

ANALYTICAL REPORT

Job Number: 580-111436-1

Job Description: Red Hill NOI GW

For:

AECOM

1001 Bishop Street

Honolulu, HI 96813

Attention: Alethea Ramos



Approved for release.
Elaine M Walker
Project Manager II
3/29/2022 12:49 PM

Elaine M Walker, Project Manager II
5755 8th Street East, Tacoma, WA, 98424
(253)248-4972
m.elaine.walker@eurofinset.com
03/29/2022

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Eurofins Seattle

5755 8th Street East, Tacoma, WA 98424

Tel (253) 922-2310 www.EurofinsUS.com

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Definitions/Glossary

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Qualifiers

GC/MS Semi VOA

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

Glossary

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

CASE NARRATIVE
Client: AECOM
Project: Red Hill NOI GW
Report Number: 580-111436-1

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

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

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

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

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

RECEIPT

Nine samples were received on 3/16/2022 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.4° C, 1.7° C and 3.1° C.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ERH2807 (RHMW03) (580-111436-1), ERH2803 (RHMW12A) (580-111436-2), ERH2804 (RHMW12A) (580-111436-3), ERH2818 (RHMW05) (580-111436-4), ERH2814 (RHMW01R) (580-111436-5), ERH2815 (RHMW01R) (580-111436-6), ERH2775 (RHMW15-05) (580-111436-7), ERH2800 (RHMW14-3) (580-111436-8) and ERH2821 (RHMW16) (580-111436-9) were analyzed for semivolatile organic compounds (GC-MS) in accordance with 8270E. The samples were prepared on 03/18/2022 and 03/21/2022 and analyzed on 03/22/2022 and 03/23/2022.

The continuing calibration verification (CCV) associated with batch 580-384624 recovered above the upper control limit for 3,3'-Dichlorobenzidine. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: ERH2775 (RHMW15-05) (580-111436-7) and (CCVIS 580-384624/3).

3,3'-Dichlorobenzidine and Hexachloroethane exceeded the RPD limit for LCSD 580-384314/3-A. The LCS and LCSD recoveries were in control.

The continuing calibration verification (CCV) associated with batch 580-384789 recovered above the upper control limit for 3,3'-Dichlorobenzidine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 580-384789/3).

The continuing calibration verification (CCV) associated with batch 580-384865 recovered above the upper control limit for 3,3'-Dichlorobenzidine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 580-384865/3).

For LCSD 580-384501/3-A, 4,6-Dinitro-2-methylphenol failed the recovery criteria low. 4,6-Dinitro-2-methylphenol has been identified as a poor performing analyte when analyzed using this method. Bis(2-ethylhexyl) phthalate failed the recovery criteria high. This analyte was biased high in the LCSD and was not detected in the associated samples. Also, several analytes exceeded the RPD limit.

For samples ERH2818 (RHMW05) (580-111436-4) and ERH2814 (RHMW01R) (580-111436-5): Detections for Di-n-butyl phthalate have been confirmed.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS - SIM)

Samples ERH2807 (RHMW03) (580-111436-1), ERH2803 (RHMW12A) (580-111436-2), ERH2804 (RHMW12A) (580-111436-3), ERH2818 (RHMW05) (580-111436-4), ERH2814 (RHMW01R) (580-111436-5), ERH2815 (RHMW01R) (580-111436-6), ERH2775 (RHMW15-05) (580-111436-7), ERH2800 (RHMW14-3) (580-111436-8) and ERH2821 (RHMW16) (580-111436-9) were analyzed for semivolatile organic compounds (GC-MS - SIM) in accordance with 8270E SIM. The samples were prepared on 03/18/2022 and 03/21/2022 and analyzed on 03/21/2022 and 03/25/2022.

For samples ERH2814 (RHMW01R) (580-111436-5) and ERH2815 (RHMW01R) (580-111436-6): Detections for polycyclic aromatic hydrocarbons have been confirmed.

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

Detection Summary

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2807 (RHMW03)

Lab Sample ID: 580-111436-1

No Detections.

Client Sample ID: ERH2803 (RHMW12A)

Lab Sample ID: 580-111436-2

No Detections.

Client Sample ID: ERH2804 (RHMW12A)

Lab Sample ID: 580-111436-3

No Detections.

Client Sample ID: ERH2818 (RHMW05)

Lab Sample ID: 580-111436-4

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.19	J	3.0	0.19	ug/L	1		8270E	Total/NA

Client Sample ID: ERH2814 (RHMW01R)

Lab Sample ID: 580-111436-5

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.032	J	0.10	0.019	ug/L	1		8270E SIM	Total/NA
Acenaphthene	0.019	J M	0.10	0.014	ug/L	1		8270E SIM	Total/NA
Naphthalene	0.11		0.10	0.031	ug/L	1		8270E SIM	Total/NA
Di-n-butyl phthalate	0.19	J	3.0	0.19	ug/L	1		8270E	Total/NA

Client Sample ID: ERH2815 (RHMW01R)

Lab Sample ID: 580-111436-6

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.037	J	0.096	0.018	ug/L	1		8270E SIM	Total/NA
Acenaphthene	0.023	J M	0.096	0.013	ug/L	1		8270E SIM	Total/NA
Fluorene	0.019	J	0.096	0.016	ug/L	1		8270E SIM	Total/NA
Naphthalene	0.14		0.096	0.030	ug/L	1		8270E SIM	Total/NA

Client Sample ID: ERH2775 (RHMW15-05)

Lab Sample ID: 580-111436-7

No Detections.

Client Sample ID: ERH2800 (RHMW14-3)

Lab Sample ID: 580-111436-8

No Detections.

Client Sample ID: ERH2821 (RHMW16)

Lab Sample ID: 580-111436-9

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2807 (RHMW03)

Lab Sample ID: 580-111436-1

Date Collected: 03/15/22 12:50

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U	0.10	0.019	ug/L		03/21/22 09:43	03/25/22 19:57	1
2-Methylnaphthalene	0.081	U	0.20	0.039	ug/L		03/21/22 09:43	03/25/22 19:57	1
Acenaphthene	0.032	U M	0.10	0.014	ug/L		03/21/22 09:43	03/25/22 19:57	1
Acenaphthylene	0.032	U M	0.050	0.0091	ug/L		03/21/22 09:43	03/25/22 19:57	1
Anthracene	0.081	U M	0.10	0.022	ug/L		03/21/22 09:43	03/25/22 19:57	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/21/22 09:43	03/25/22 19:57	1
Benzo[a]pyrene	0.032	U M	0.10	0.011	ug/L		03/21/22 09:43	03/25/22 19:57	1
Benzo[b]fluoranthene	0.032	U M	0.050	0.011	ug/L		03/21/22 09:43	03/25/22 19:57	1
Benzo[g,h,i]perylene	0.032	U M	0.050	0.012	ug/L		03/21/22 09:43	03/25/22 19:57	1
Benzo[k]fluoranthene	0.032	U M	0.050	0.012	ug/L		03/21/22 09:43	03/25/22 19:57	1
Chrysene	0.032	U M	0.10	0.016	ug/L		03/21/22 09:43	03/25/22 19:57	1
Dibenz(a,h)anthracene	0.032	U M	0.10	0.026	ug/L		03/21/22 09:43	03/25/22 19:57	1
Fluoranthene	0.032	U M	0.20	0.018	ug/L		03/21/22 09:43	03/25/22 19:57	1
Fluorene	0.032	U M	0.10	0.017	ug/L		03/21/22 09:43	03/25/22 19:57	1
Indeno[1,2,3-cd]pyrene	0.032	U M	0.050	0.014	ug/L		03/21/22 09:43	03/25/22 19:57	1
Naphthalene	0.081	U M	0.10	0.031	ug/L		03/21/22 09:43	03/25/22 19:57	1
Phenanthrene	0.081	U M	0.10	0.031	ug/L		03/21/22 09:43	03/25/22 19:57	1
Pyrene	0.081	U M	0.10	0.033	ug/L		03/21/22 09:43	03/25/22 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	57		40 - 140	03/21/22 09:43	03/25/22 19:57	1
Fluoranthene-d10 (Surr)	84		40 - 140	03/21/22 09:43	03/25/22 19:57	1
Terphenyl-d14	94		58 - 132	03/21/22 09:43	03/25/22 19:57	1

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U	0.40	0.091	ug/L		03/21/22 09:43	03/23/22 10:41	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/21/22 09:43	03/23/22 10:41	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/21/22 09:43	03/23/22 10:41	1
1,4-Dichlorobenzene	0.091	U	0.40	0.040	ug/L		03/21/22 09:43	03/23/22 10:41	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 10:41	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/21/22 09:43	03/23/22 10:41	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/21/22 09:43	03/23/22 10:41	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/21/22 09:43	03/23/22 10:41	1
2,4-Dinitrophenol	3.2	U Q	5.0	1.6	ug/L		03/21/22 09:43	03/23/22 10:41	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/21/22 09:43	03/23/22 10:41	1
2,6-Dinitrotoluene	0.30	U M	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 10:41	1
2-Chloronaphthalene	0.15	U	1.0	0.071	ug/L		03/21/22 09:43	03/23/22 10:41	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/21/22 09:43	03/23/22 10:41	1
2-Nitrophenol	0.15	U Q	1.0	0.071	ug/L		03/21/22 09:43	03/23/22 10:41	1
3,3'-Dichlorobenzidine	0.60	U M Q	1.0	0.26	ug/L		03/21/22 09:43	03/23/22 10:41	1
4,6-Dinitro-2-methylphenol	1.2	U Q	2.0	0.55	ug/L		03/21/22 09:43	03/23/22 10:41	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/21/22 09:43	03/23/22 10:41	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/21/22 09:43	03/23/22 10:41	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/21/22 09:43	03/23/22 10:41	1
4-Nitrophenol	6.0	U Q	10	1.7	ug/L		03/21/22 09:43	03/23/22 10:41	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/21/22 09:43	03/23/22 10:41	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/21/22 09:43	03/23/22 10:41	1
Bis(2-chloroethoxy)methane	0.15	U M	0.60	0.050	ug/L		03/21/22 09:43	03/23/22 10:41	1
Bis(2-chloroethyl)ether	0.091	U	0.10	0.030	ug/L		03/21/22 09:43	03/23/22 10:41	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2807 (RHMW03)

Lab Sample ID: 580-111436-1

Date Collected: 03/15/22 12:50

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	1.6	U Q	3.0	0.75	ug/L		03/21/22 09:43	03/23/22 10:41	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/21/22 09:43	03/23/22 10:41	1
Diethyl phthalate	0.30	U	1.0	0.15	ug/L		03/21/22 09:43	03/23/22 10:41	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/21/22 09:43	03/23/22 10:41	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/21/22 09:43	03/23/22 10:41	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/21/22 09:43	03/23/22 10:41	1
Hexachlorobenzene	0.091	U	0.60	0.040	ug/L		03/21/22 09:43	03/23/22 10:41	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/21/22 09:43	03/23/22 10:41	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/21/22 09:43	03/23/22 10:41	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/21/22 09:43	03/23/22 10:41	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 10:41	1
m+p-Cresol	0.30	U M	0.60	0.10	ug/L		03/21/22 09:43	03/23/22 10:41	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/21/22 09:43	03/23/22 10:41	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/21/22 09:43	03/23/22 10:41	1
N-Nitrosodi-n-propylamine	0.091	U M	0.40	0.060	ug/L		03/21/22 09:43	03/23/22 10:41	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.071	ug/L		03/21/22 09:43	03/23/22 10:41	1
o-Cresol	0.15	U M	0.60	0.050	ug/L		03/21/22 09:43	03/23/22 10:41	1
Pentachlorophenol	1.0	U Q	10	0.51	ug/L		03/21/22 09:43	03/23/22 10:41	1
Phenol	0.60	U M	1.0	0.36	ug/L		03/21/22 09:43	03/23/22 10:41	1
Pyrene	0.091	U	1.0	0.040	ug/L		03/21/22 09:43	03/23/22 10:41	1
Pyridine	3.2	U Q	10	1.1	ug/L		03/21/22 09:43	03/23/22 10:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	71		43 - 140	03/21/22 09:43	03/23/22 10:41	1
2-Fluorobiphenyl	59		44 - 119	03/21/22 09:43	03/23/22 10:41	1
2-Fluorophenol (Surr)	49		19 - 119	03/21/22 09:43	03/23/22 10:41	1
Nitrobenzene-d5 (Surr)	67		44 - 120	03/21/22 09:43	03/23/22 10:41	1
Phenol-d5 (Surr)	36	M	10 - 120	03/21/22 09:43	03/23/22 10:41	1
Terphenyl-d14	91		50 - 134	03/21/22 09:43	03/23/22 10:41	1

Client Sample ID: ERH2803 (RHMW12A)

Lab Sample ID: 580-111436-2

Date Collected: 03/15/22 13:10

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.030	U	0.095	0.018	ug/L		03/21/22 09:43	03/25/22 20:21	1
2-Methylnaphthalene	0.076	U	0.19	0.037	ug/L		03/21/22 09:43	03/25/22 20:21	1
Acenaphthene	0.030	U M	0.095	0.013	ug/L		03/21/22 09:43	03/25/22 20:21	1
Acenaphthylene	0.030	U M	0.048	0.0086	ug/L		03/21/22 09:43	03/25/22 20:21	1
Anthracene	0.076	U M	0.095	0.021	ug/L		03/21/22 09:43	03/25/22 20:21	1
Benzo[a]anthracene	0.030	U M	0.048	0.013	ug/L		03/21/22 09:43	03/25/22 20:21	1
Benzo[a]pyrene	0.030	U M	0.095	0.010	ug/L		03/21/22 09:43	03/25/22 20:21	1
Benzo[b]fluoranthene	0.030	U M	0.048	0.010	ug/L		03/21/22 09:43	03/25/22 20:21	1
Benzo[g,h,i]perylene	0.030	U M	0.048	0.011	ug/L		03/21/22 09:43	03/25/22 20:21	1
Benzo[k]fluoranthene	0.030	U M	0.048	0.011	ug/L		03/21/22 09:43	03/25/22 20:21	1
Chrysene	0.030	U M	0.095	0.015	ug/L		03/21/22 09:43	03/25/22 20:21	1
Dibenz(a,h)anthracene	0.030	U M	0.095	0.025	ug/L		03/21/22 09:43	03/25/22 20:21	1
Fluoranthene	0.030	U M	0.19	0.017	ug/L		03/21/22 09:43	03/25/22 20:21	1
Fluorene	0.030	U M	0.095	0.016	ug/L		03/21/22 09:43	03/25/22 20:21	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2803 (RHMW12A)

Lab Sample ID: 580-111436-2

Date Collected: 03/15/22 13:10

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.030	U M	0.048	0.013	ug/L		03/21/22 09:43	03/25/22 20:21	1
Naphthalene	0.076	U M	0.095	0.030	ug/L		03/21/22 09:43	03/25/22 20:21	1
Phenanthrene	0.076	U M	0.095	0.030	ug/L		03/21/22 09:43	03/25/22 20:21	1
Pyrene	0.076	U M	0.095	0.031	ug/L		03/21/22 09:43	03/25/22 20:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	68		40 - 140				03/21/22 09:43	03/25/22 20:21	1
Fluoranthene-d10 (Surr)	94		40 - 140				03/21/22 09:43	03/25/22 20:21	1
Terphenyl-d14	105		58 - 132				03/21/22 09:43	03/25/22 20:21	1

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.29	U M	0.38	0.086	ug/L		03/21/22 09:43	03/23/22 21:35	1
1,2-Dichlorobenzene	0.14	U	0.38	0.048	ug/L		03/21/22 09:43	03/23/22 21:35	1
1,3-Dichlorobenzene	0.086	U Q	0.38	0.038	ug/L		03/21/22 09:43	03/23/22 21:35	1
1,4-Dichlorobenzene	0.086	U M	0.38	0.038	ug/L		03/21/22 09:43	03/23/22 21:35	1
2,4,5-Trichlorophenol	0.29	U	0.38	0.095	ug/L		03/21/22 09:43	03/23/22 21:35	1
2,4,6-Trichlorophenol	0.29	U	0.57	0.095	ug/L		03/21/22 09:43	03/23/22 21:35	1
2,4-Dichlorophenol	0.48	U	0.95	0.19	ug/L		03/21/22 09:43	03/23/22 21:35	1
2,4-Dimethylphenol	0.48	U M	3.8	0.15	ug/L		03/21/22 09:43	03/23/22 21:35	1
2,4-Dinitrophenol	3.0	U Q	4.8	1.5	ug/L		03/21/22 09:43	03/23/22 21:35	1
2,4-Dinitrotoluene	0.29	U	0.95	0.095	ug/L		03/21/22 09:43	03/23/22 21:35	1
2,6-Dinitrotoluene	0.29	U M	0.38	0.095	ug/L		03/21/22 09:43	03/23/22 21:35	1
2-Chloronaphthalene	0.14	U	0.95	0.067	ug/L		03/21/22 09:43	03/23/22 21:35	1
2-Chlorophenol	0.14	U M	0.95	0.048	ug/L		03/21/22 09:43	03/23/22 21:35	1
2-Nitrophenol	0.14	U M Q	0.95	0.067	ug/L		03/21/22 09:43	03/23/22 21:35	1
3,3'-Dichlorobenzidine	0.57	U M Q	0.95	0.25	ug/L		03/21/22 09:43	03/23/22 21:35	1
4,6-Dinitro-2-methylphenol	1.1	U Q	1.9	0.52	ug/L		03/21/22 09:43	03/23/22 21:35	1
4-Bromophenyl phenyl ether	0.14	U	0.57	0.057	ug/L		03/21/22 09:43	03/23/22 21:35	1
4-Chloro-3-methylphenol	0.29	U M	0.57	0.12	ug/L		03/21/22 09:43	03/23/22 21:35	1
4-Chlorophenyl phenyl ether	0.14	U	0.57	0.048	ug/L		03/21/22 09:43	03/23/22 21:35	1
4-Nitrophenol	5.7	U Q	9.5	1.6	ug/L		03/21/22 09:43	03/23/22 21:35	1
Azobenzene	0.14	U M	1.9	0.057	ug/L		03/21/22 09:43	03/23/22 21:35	1
bis (2-chloroisopropyl) ether	0.14	U M	0.24	0.057	ug/L		03/21/22 09:43	03/23/22 21:35	1
Bis(2-chloroethoxy)methane	0.14	U	0.57	0.048	ug/L		03/21/22 09:43	03/23/22 21:35	1
Bis(2-chloroethyl)ether	0.086	U M	0.095	0.029	ug/L		03/21/22 09:43	03/23/22 21:35	1
Bis(2-ethylhexyl) phthalate	1.5	U Q	2.9	0.70	ug/L		03/21/22 09:43	03/23/22 21:35	1
Butyl benzyl phthalate	0.57	U	3.8	0.26	ug/L		03/21/22 09:43	03/23/22 21:35	1
Diethyl phthalate	0.29	U	0.95	0.14	ug/L		03/21/22 09:43	03/23/22 21:35	1
Dimethyl phthalate	0.14	U	0.57	0.057	ug/L		03/21/22 09:43	03/23/22 21:35	1
Di-n-butyl phthalate	0.48	U	2.9	0.18	ug/L		03/21/22 09:43	03/23/22 21:35	1
Di-n-octyl phthalate	0.29	U M	0.95	0.12	ug/L		03/21/22 09:43	03/23/22 21:35	1
Hexachlorobenzene	0.086	U	0.57	0.038	ug/L		03/21/22 09:43	03/23/22 21:35	1
Hexachlorobutadiene	0.14	U Q	0.95	0.057	ug/L		03/21/22 09:43	03/23/22 21:35	1
Hexachlorocyclopentadiene	0.29	U Q	0.95	0.13	ug/L		03/21/22 09:43	03/23/22 21:35	1
Hexachloroethane	0.14	U Q	0.95	0.048	ug/L		03/21/22 09:43	03/23/22 21:35	1
Isophorone	0.29	U	0.38	0.095	ug/L		03/21/22 09:43	03/23/22 21:35	1
m+p-Cresol	0.29	U M	0.57	0.095	ug/L		03/21/22 09:43	03/23/22 21:35	1
Nitrobenzene	0.086	U	0.95	0.038	ug/L		03/21/22 09:43	03/23/22 21:35	1
N-Nitrosodimethylamine	0.57	U	1.9	0.25	ug/L		03/21/22 09:43	03/23/22 21:35	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2803 (RHMW12A)

Lab Sample ID: 580-111436-2

Date Collected: 03/15/22 13:10

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.086	U M	0.38	0.057	ug/L		03/21/22 09:43	03/23/22 21:35	1
N-Nitrosodiphenylamine	0.14	U	0.95	0.067	ug/L		03/21/22 09:43	03/23/22 21:35	1
o-Cresol	0.14	U M	0.57	0.048	ug/L		03/21/22 09:43	03/23/22 21:35	1
Pentachlorophenol	0.95	U Q	9.5	0.49	ug/L		03/21/22 09:43	03/23/22 21:35	1
Phenol	0.57	U	0.95	0.34	ug/L		03/21/22 09:43	03/23/22 21:35	1
Pyrene	0.086	U M	0.95	0.038	ug/L		03/21/22 09:43	03/23/22 21:35	1
Pyridine	3.0	U Q	9.5	1.0	ug/L		03/21/22 09:43	03/23/22 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	75		43 - 140	03/21/22 09:43	03/23/22 21:35	1
2-Fluorobiphenyl	67		44 - 119	03/21/22 09:43	03/23/22 21:35	1
2-Fluorophenol (Surr)	54		19 - 119	03/21/22 09:43	03/23/22 21:35	1
Nitrobenzene-d5 (Surr)	78		44 - 120	03/21/22 09:43	03/23/22 21:35	1
Phenol-d5 (Surr)	39		10 - 120	03/21/22 09:43	03/23/22 21:35	1
Terphenyl-d14	102		50 - 134	03/21/22 09:43	03/23/22 21:35	1

Client Sample ID: ERH2804 (RHMW12A)

Lab Sample ID: 580-111436-3

Date Collected: 03/15/22 13:10

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U	0.10	0.019	ug/L		03/21/22 09:43	03/25/22 20:46	1
2-Methylnaphthalene	0.081	U	0.20	0.039	ug/L		03/21/22 09:43	03/25/22 20:46	1
Acenaphthene	0.032	U M	0.10	0.014	ug/L		03/21/22 09:43	03/25/22 20:46	1
Acenaphthylene	0.032	U M	0.050	0.0091	ug/L		03/21/22 09:43	03/25/22 20:46	1
Anthracene	0.081	U M	0.10	0.022	ug/L		03/21/22 09:43	03/25/22 20:46	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/21/22 09:43	03/25/22 20:46	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/21/22 09:43	03/25/22 20:46	1
Benzo[b]fluoranthene	0.032	U M	0.050	0.011	ug/L		03/21/22 09:43	03/25/22 20:46	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/21/22 09:43	03/25/22 20:46	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/21/22 09:43	03/25/22 20:46	1
Chrysene	0.032	U M	0.10	0.016	ug/L		03/21/22 09:43	03/25/22 20:46	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/21/22 09:43	03/25/22 20:46	1
Fluoranthene	0.032	U M	0.20	0.018	ug/L		03/21/22 09:43	03/25/22 20:46	1
Fluorene	0.032	U M	0.10	0.017	ug/L		03/21/22 09:43	03/25/22 20:46	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/21/22 09:43	03/25/22 20:46	1
Naphthalene	0.081	U M	0.10	0.031	ug/L		03/21/22 09:43	03/25/22 20:46	1
Phenanthrene	0.081	U M	0.10	0.031	ug/L		03/21/22 09:43	03/25/22 20:46	1
Pyrene	0.081	U M	0.10	0.033	ug/L		03/21/22 09:43	03/25/22 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	64		40 - 140	03/21/22 09:43	03/25/22 20:46	1
Fluoranthene-d10 (Surr)	98		40 - 140	03/21/22 09:43	03/25/22 20:46	1
Terphenyl-d14	110		58 - 132	03/21/22 09:43	03/25/22 20:46	1

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U	0.40	0.091	ug/L		03/21/22 09:43	03/23/22 21:58	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/21/22 09:43	03/23/22 21:58	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/21/22 09:43	03/23/22 21:58	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2804 (RHMW12A)

Lab Sample ID: 580-111436-3

Date Collected: 03/15/22 13:10

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.091	U	0.40	0.040	ug/L		03/21/22 09:43	03/23/22 21:58	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 21:58	1
2,4,6-Trichlorophenol	0.30	U	0.61	0.10	ug/L		03/21/22 09:43	03/23/22 21:58	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/21/22 09:43	03/23/22 21:58	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/21/22 09:43	03/23/22 21:58	1
2,4-Dinitrophenol	3.2	U Q	5.0	1.6	ug/L		03/21/22 09:43	03/23/22 21:58	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/21/22 09:43	03/23/22 21:58	1
2,6-Dinitrotoluene	0.30	U M	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 21:58	1
2-Chloronaphthalene	0.15	U	1.0	0.071	ug/L		03/21/22 09:43	03/23/22 21:58	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/21/22 09:43	03/23/22 21:58	1
2-Nitrophenol	0.15	U Q	1.0	0.071	ug/L		03/21/22 09:43	03/23/22 21:58	1
3,3'-Dichlorobenzidine	0.61	U M Q	1.0	0.26	ug/L		03/21/22 09:43	03/23/22 21:58	1
4,6-Dinitro-2-methylphenol	1.2	U Q	2.0	0.55	ug/L		03/21/22 09:43	03/23/22 21:58	1
4-Bromophenyl phenyl ether	0.15	U	0.61	0.061	ug/L		03/21/22 09:43	03/23/22 21:58	1
4-Chloro-3-methylphenol	0.30	U M	0.61	0.13	ug/L		03/21/22 09:43	03/23/22 21:58	1
4-Chlorophenyl phenyl ether	0.15	U	0.61	0.050	ug/L		03/21/22 09:43	03/23/22 21:58	1
4-Nitrophenol	6.1	U Q	10	1.7	ug/L		03/21/22 09:43	03/23/22 21:58	1
Azobenzene	0.15	U M	2.0	0.061	ug/L		03/21/22 09:43	03/23/22 21:58	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.061	ug/L		03/21/22 09:43	03/23/22 21:58	1
Bis(2-chloroethoxy)methane	0.15	U	0.61	0.050	ug/L		03/21/22 09:43	03/23/22 21:58	1
Bis(2-chloroethyl)ether	0.091	U M	0.10	0.030	ug/L		03/21/22 09:43	03/23/22 21:58	1
Bis(2-ethylhexyl) phthalate	1.6	U Q	3.0	0.75	ug/L		03/21/22 09:43	03/23/22 21:58	1
Butyl benzyl phthalate	0.61	U	4.0	0.27	ug/L		03/21/22 09:43	03/23/22 21:58	1
Diethyl phthalate	0.30	U	1.0	0.15	ug/L		03/21/22 09:43	03/23/22 21:58	1
Dimethyl phthalate	0.15	U M	0.61	0.061	ug/L		03/21/22 09:43	03/23/22 21:58	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/21/22 09:43	03/23/22 21:58	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/21/22 09:43	03/23/22 21:58	1
Hexachlorobenzene	0.091	U	0.61	0.040	ug/L		03/21/22 09:43	03/23/22 21:58	1
Hexachlorobutadiene	0.15	U Q	1.0	0.061	ug/L		03/21/22 09:43	03/23/22 21:58	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/21/22 09:43	03/23/22 21:58	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/21/22 09:43	03/23/22 21:58	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 21:58	1
m+p-Cresol	0.30	U M	0.61	0.10	ug/L		03/21/22 09:43	03/23/22 21:58	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/21/22 09:43	03/23/22 21:58	1
N-Nitrosodimethylamine	0.61	U	2.0	0.26	ug/L		03/21/22 09:43	03/23/22 21:58	1
N-Nitrosodi-n-propylamine	0.091	U M	0.40	0.061	ug/L		03/21/22 09:43	03/23/22 21:58	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.071	ug/L		03/21/22 09:43	03/23/22 21:58	1
o-Cresol	0.15	U M	0.61	0.050	ug/L		03/21/22 09:43	03/23/22 21:58	1
Pentachlorophenol	1.0	U Q	10	0.51	ug/L		03/21/22 09:43	03/23/22 21:58	1
Phenol	0.61	U	1.0	0.36	ug/L		03/21/22 09:43	03/23/22 21:58	1
Pyrene	0.091	U	1.0	0.040	ug/L		03/21/22 09:43	03/23/22 21:58	1
Pyridine	3.2	U Q	10	1.1	ug/L		03/21/22 09:43	03/23/22 21:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		43 - 140	03/21/22 09:43	03/23/22 21:58	1
2-Fluorobiphenyl	66		44 - 119	03/21/22 09:43	03/23/22 21:58	1
2-Fluorophenol (Surr)	51		19 - 119	03/21/22 09:43	03/23/22 21:58	1
Nitrobenzene-d5 (Surr)	74		44 - 120	03/21/22 09:43	03/23/22 21:58	1
Phenol-d5 (Surr)	36		10 - 120	03/21/22 09:43	03/23/22 21:58	1
Terphenyl-d14	110		50 - 134	03/21/22 09:43	03/23/22 21:58	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2818 (RHMW05)

Lab Sample ID: 580-111436-4

Date Collected: 03/15/22 09:05

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/21/22 09:43	03/25/22 21:10	1
2-Methylnaphthalene	0.081	U	0.20	0.039	ug/L		03/21/22 09:43	03/25/22 21:10	1
Acenaphthene	0.032	U M	0.10	0.014	ug/L		03/21/22 09:43	03/25/22 21:10	1
Acenaphthylene	0.032	U M	0.050	0.0091	ug/L		03/21/22 09:43	03/25/22 21:10	1
Anthracene	0.081	U M	0.10	0.022	ug/L		03/21/22 09:43	03/25/22 21:10	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/21/22 09:43	03/25/22 21:10	1
Benzo[a]pyrene	0.032	U M	0.10	0.011	ug/L		03/21/22 09:43	03/25/22 21:10	1
Benzo[b]fluoranthene	0.032	U M	0.050	0.011	ug/L		03/21/22 09:43	03/25/22 21:10	1
Benzo[g,h,i]perylene	0.032	U M	0.050	0.012	ug/L		03/21/22 09:43	03/25/22 21:10	1
Benzo[k]fluoranthene	0.032	U M	0.050	0.012	ug/L		03/21/22 09:43	03/25/22 21:10	1
Chrysene	0.032	U M	0.10	0.016	ug/L		03/21/22 09:43	03/25/22 21:10	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/21/22 09:43	03/25/22 21:10	1
Fluoranthene	0.032	U M	0.20	0.018	ug/L		03/21/22 09:43	03/25/22 21:10	1
Fluorene	0.032	U M	0.10	0.017	ug/L		03/21/22 09:43	03/25/22 21:10	1
Indeno[1,2,3-cd]pyrene	0.032	U M	0.050	0.014	ug/L		03/21/22 09:43	03/25/22 21:10	1
Naphthalene	0.081	U M	0.10	0.031	ug/L		03/21/22 09:43	03/25/22 21:10	1
Phenanthrene	0.081	U M	0.10	0.031	ug/L		03/21/22 09:43	03/25/22 21:10	1
Pyrene	0.081	U M	0.10	0.033	ug/L		03/21/22 09:43	03/25/22 21:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	69		40 - 140	03/21/22 09:43	03/25/22 21:10	1
Fluoranthene-d10 (Surr)	91		40 - 140	03/21/22 09:43	03/25/22 21:10	1
Terphenyl-d14	101		58 - 132	03/21/22 09:43	03/25/22 21:10	1

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U	0.40	0.091	ug/L		03/21/22 09:43	03/23/22 22:22	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/21/22 09:43	03/23/22 22:22	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/21/22 09:43	03/23/22 22:22	1
1,4-Dichlorobenzene	0.091	U	0.40	0.040	ug/L		03/21/22 09:43	03/23/22 22:22	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 22:22	1
2,4,6-Trichlorophenol	0.30	U	0.61	0.10	ug/L		03/21/22 09:43	03/23/22 22:22	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/21/22 09:43	03/23/22 22:22	1
2,4-Dimethylphenol	0.50	U M	4.0	0.16	ug/L		03/21/22 09:43	03/23/22 22:22	1
2,4-Dinitrophenol	3.2	U Q	5.0	1.6	ug/L		03/21/22 09:43	03/23/22 22:22	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/21/22 09:43	03/23/22 22:22	1
2,6-Dinitrotoluene	0.30	U M	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 22:22	1
2-Chloronaphthalene	0.15	U	1.0	0.071	ug/L		03/21/22 09:43	03/23/22 22:22	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/21/22 09:43	03/23/22 22:22	1
2-Nitrophenol	0.15	U Q	1.0	0.071	ug/L		03/21/22 09:43	03/23/22 22:22	1
3,3'-Dichlorobenzidine	0.61	U Q	1.0	0.26	ug/L		03/21/22 09:43	03/23/22 22:22	1
4,6-Dinitro-2-methylphenol	1.2	U Q	2.0	0.55	ug/L		03/21/22 09:43	03/23/22 22:22	1
4-Bromophenyl phenyl ether	0.15	U	0.61	0.061	ug/L		03/21/22 09:43	03/23/22 22:22	1
4-Chloro-3-methylphenol	0.30	U M	0.61	0.13	ug/L		03/21/22 09:43	03/23/22 22:22	1
4-Chlorophenyl phenyl ether	0.15	U	0.61	0.050	ug/L		03/21/22 09:43	03/23/22 22:22	1
4-Nitrophenol	6.1	U M Q	10	1.7	ug/L		03/21/22 09:43	03/23/22 22:22	1
Azobenzene	0.15	U	2.0	0.061	ug/L		03/21/22 09:43	03/23/22 22:22	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.061	ug/L		03/21/22 09:43	03/23/22 22:22	1
Bis(2-chloroethoxy)methane	0.15	U M	0.61	0.050	ug/L		03/21/22 09:43	03/23/22 22:22	1
Bis(2-chloroethyl)ether	0.091	U M	0.10	0.030	ug/L		03/21/22 09:43	03/23/22 22:22	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2818 (RHMW05)

Lab Sample ID: 580-111436-4

Date Collected: 03/15/22 09:05

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	1.6	U Q	3.0	0.75	ug/L		03/21/22 09:43	03/23/22 22:22	1
Butyl benzyl phthalate	0.61	U	4.0	0.27	ug/L		03/21/22 09:43	03/23/22 22:22	1
Diethyl phthalate	0.30	U	1.0	0.15	ug/L		03/21/22 09:43	03/23/22 22:22	1
Dimethyl phthalate	0.15	U	0.61	0.061	ug/L		03/21/22 09:43	03/23/22 22:22	1
Di-n-butyl phthalate	0.19	J	3.0	0.19	ug/L		03/21/22 09:43	03/23/22 22:22	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/21/22 09:43	03/23/22 22:22	1
Hexachlorobenzene	0.091	U	0.61	0.040	ug/L		03/21/22 09:43	03/23/22 22:22	1
Hexachlorobutadiene	0.15	U Q	1.0	0.061	ug/L		03/21/22 09:43	03/23/22 22:22	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/21/22 09:43	03/23/22 22:22	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/21/22 09:43	03/23/22 22:22	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 22:22	1
m+p-Cresol	0.30	U M	0.61	0.10	ug/L		03/21/22 09:43	03/23/22 22:22	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/21/22 09:43	03/23/22 22:22	1
N-Nitrosodimethylamine	0.61	U	2.0	0.26	ug/L		03/21/22 09:43	03/23/22 22:22	1
N-Nitrosodi-n-propylamine	0.091	U	0.40	0.061	ug/L		03/21/22 09:43	03/23/22 22:22	1
N-Nitrosodiphenylamine	0.15	U M	1.0	0.071	ug/L		03/21/22 09:43	03/23/22 22:22	1
o-Cresol	0.15	U	0.61	0.050	ug/L		03/21/22 09:43	03/23/22 22:22	1
Pentachlorophenol	1.0	U Q	10	0.51	ug/L		03/21/22 09:43	03/23/22 22:22	1
Phenol	0.61	U	1.0	0.36	ug/L		03/21/22 09:43	03/23/22 22:22	1
Pyrene	0.091	U M	1.0	0.040	ug/L		03/21/22 09:43	03/23/22 22:22	1
Pyridine	3.2	U Q	10	1.1	ug/L		03/21/22 09:43	03/23/22 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		43 - 140	03/21/22 09:43	03/23/22 22:22	1
2-Fluorobiphenyl	69		44 - 119	03/21/22 09:43	03/23/22 22:22	1
2-Fluorophenol (Surr)	53		19 - 119	03/21/22 09:43	03/23/22 22:22	1
Nitrobenzene-d5 (Surr)	74		44 - 120	03/21/22 09:43	03/23/22 22:22	1
Phenol-d5 (Surr)	29		10 - 120	03/21/22 09:43	03/23/22 22:22	1
Terphenyl-d14	95		50 - 134	03/21/22 09:43	03/23/22 22:22	1

Client Sample ID: ERH2814 (RHMW01R)

Lab Sample ID: 580-111436-5

Date Collected: 03/15/22 10:20

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	J	0.10	0.019	ug/L		03/21/22 09:43	03/25/22 21:35	1
2-Methylnaphthalene	0.081	U	0.20	0.039	ug/L		03/21/22 09:43	03/25/22 21:35	1
Acenaphthene	0.019	J M	0.10	0.014	ug/L		03/21/22 09:43	03/25/22 21:35	1
Acenaphthylene	0.032	U M	0.050	0.0091	ug/L		03/21/22 09:43	03/25/22 21:35	1
Anthracene	0.081	U M	0.10	0.022	ug/L		03/21/22 09:43	03/25/22 21:35	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/21/22 09:43	03/25/22 21:35	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/21/22 09:43	03/25/22 21:35	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/21/22 09:43	03/25/22 21:35	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/21/22 09:43	03/25/22 21:35	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/21/22 09:43	03/25/22 21:35	1
Chrysene	0.032	U M	0.10	0.016	ug/L		03/21/22 09:43	03/25/22 21:35	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/21/22 09:43	03/25/22 21:35	1
Fluoranthene	0.032	U M	0.20	0.018	ug/L		03/21/22 09:43	03/25/22 21:35	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/21/22 09:43	03/25/22 21:35	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2814 (RHMW01R)

Lab Sample ID: 580-111436-5

Date Collected: 03/15/22 10:20

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/21/22 09:43	03/25/22 21:35	1
Naphthalene	0.11		0.10	0.031	ug/L		03/21/22 09:43	03/25/22 21:35	1
Phenanthrene	0.081	U M	0.10	0.031	ug/L		03/21/22 09:43	03/25/22 21:35	1
Pyrene	0.081	U M	0.10	0.033	ug/L		03/21/22 09:43	03/25/22 21:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	64		40 - 140				03/21/22 09:43	03/25/22 21:35	1
Fluoranthene-d10 (Surr)	83		40 - 140				03/21/22 09:43	03/25/22 21:35	1
Terphenyl-d14	89		58 - 132				03/21/22 09:43	03/25/22 21:35	1

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U	0.40	0.091	ug/L		03/21/22 09:43	03/23/22 22:45	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/21/22 09:43	03/23/22 22:45	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/21/22 09:43	03/23/22 22:45	1
1,4-Dichlorobenzene	0.091	U	0.40	0.040	ug/L		03/21/22 09:43	03/23/22 22:45	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 22:45	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/21/22 09:43	03/23/22 22:45	1
2,4-Dichlorophenol	0.50	U M	1.0	0.20	ug/L		03/21/22 09:43	03/23/22 22:45	1
2,4-Dimethylphenol	0.50	U M	4.0	0.16	ug/L		03/21/22 09:43	03/23/22 22:45	1
2,4-Dinitrophenol	3.2	U Q	5.0	1.6	ug/L		03/21/22 09:43	03/23/22 22:45	1
2,4-Dinitrotoluene	0.30	U M	1.0	0.10	ug/L		03/21/22 09:43	03/23/22 22:45	1
2,6-Dinitrotoluene	0.30	U M	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 22:45	1
2-Chloronaphthalene	0.15	U M	1.0	0.071	ug/L		03/21/22 09:43	03/23/22 22:45	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/21/22 09:43	03/23/22 22:45	1
2-Nitrophenol	0.15	U M Q	1.0	0.071	ug/L		03/21/22 09:43	03/23/22 22:45	1
3,3'-Dichlorobenzidine	0.60	U Q	1.0	0.26	ug/L		03/21/22 09:43	03/23/22 22:45	1
4,6-Dinitro-2-methylphenol	1.2	U M Q	2.0	0.55	ug/L		03/21/22 09:43	03/23/22 22:45	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/21/22 09:43	03/23/22 22:45	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/21/22 09:43	03/23/22 22:45	1
4-Chlorophenyl phenyl ether	0.15	U M	0.60	0.050	ug/L		03/21/22 09:43	03/23/22 22:45	1
4-Nitrophenol	6.0	U M Q	10	1.7	ug/L		03/21/22 09:43	03/23/22 22:45	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/21/22 09:43	03/23/22 22:45	1
bis (2-chloroisopropyl) ether	0.15	U	0.25	0.060	ug/L		03/21/22 09:43	03/23/22 22:45	1
Bis(2-chloroethoxy)methane	0.15	U M	0.60	0.050	ug/L		03/21/22 09:43	03/23/22 22:45	1
Bis(2-chloroethyl)ether	0.091	U M	0.10	0.030	ug/L		03/21/22 09:43	03/23/22 22:45	1
Bis(2-ethylhexyl) phthalate	1.6	U Q	3.0	0.75	ug/L		03/21/22 09:43	03/23/22 22:45	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/21/22 09:43	03/23/22 22:45	1
Diethyl phthalate	0.30	U M	1.0	0.15	ug/L		03/21/22 09:43	03/23/22 22:45	1
Dimethyl phthalate	0.15	U M	0.60	0.060	ug/L		03/21/22 09:43	03/23/22 22:45	1
Di-n-butyl phthalate	0.19	J	3.0	0.19	ug/L		03/21/22 09:43	03/23/22 22:45	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/21/22 09:43	03/23/22 22:45	1
Hexachlorobenzene	0.091	U	0.60	0.040	ug/L		03/21/22 09:43	03/23/22 22:45	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/21/22 09:43	03/23/22 22:45	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/21/22 09:43	03/23/22 22:45	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/21/22 09:43	03/23/22 22:45	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 22:45	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/21/22 09:43	03/23/22 22:45	1
Nitrobenzene	0.091	U M	1.0	0.040	ug/L		03/21/22 09:43	03/23/22 22:45	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/21/22 09:43	03/23/22 22:45	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2814 (RHMW01R)

Lab Sample ID: 580-111436-5

Date Collected: 03/15/22 10:20

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.091	U M	0.40	0.060	ug/L		03/21/22 09:43	03/23/22 22:45	1
N-Nitrosodiphenylamine	0.15	U M	1.0	0.071	ug/L		03/21/22 09:43	03/23/22 22:45	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/21/22 09:43	03/23/22 22:45	1
Pentachlorophenol	1.0	U M Q	10	0.51	ug/L		03/21/22 09:43	03/23/22 22:45	1
Phenol	0.60	U	1.0	0.36	ug/L		03/21/22 09:43	03/23/22 22:45	1
Pyrene	0.091	U M	1.0	0.040	ug/L		03/21/22 09:43	03/23/22 22:45	1
Pyridine	3.2	U Q	10	1.1	ug/L		03/21/22 09:43	03/23/22 22:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		43 - 140	03/21/22 09:43	03/23/22 22:45	1
2-Fluorobiphenyl	60		44 - 119	03/21/22 09:43	03/23/22 22:45	1
2-Fluorophenol (Surr)	52		19 - 119	03/21/22 09:43	03/23/22 22:45	1
Nitrobenzene-d5 (Surr)	66		44 - 120	03/21/22 09:43	03/23/22 22:45	1
Phenol-d5 (Surr)	40		10 - 120	03/21/22 09:43	03/23/22 22:45	1
Terphenyl-d14	91		50 - 134	03/21/22 09:43	03/23/22 22:45	1

Client Sample ID: ERH2815 (RHMW01R)

Lab Sample ID: 580-111436-6

Date Collected: 03/15/22 10:20

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.037	J	0.096	0.018	ug/L		03/21/22 09:43	03/25/22 22:00	1
2-Methylnaphthalene	0.076	U	0.19	0.037	ug/L		03/21/22 09:43	03/25/22 22:00	1
Acenaphthene	0.023	J M	0.096	0.013	ug/L		03/21/22 09:43	03/25/22 22:00	1
Acenaphthylene	0.031	U M	0.048	0.0086	ug/L		03/21/22 09:43	03/25/22 22:00	1
Anthracene	0.076	U M	0.096	0.021	ug/L		03/21/22 09:43	03/25/22 22:00	1
Benzo[a]anthracene	0.031	U M	0.048	0.013	ug/L		03/21/22 09:43	03/25/22 22:00	1
Benzo[a]pyrene	0.031	U M	0.096	0.011	ug/L		03/21/22 09:43	03/25/22 22:00	1
Benzo[b]fluoranthene	0.031	U M	0.048	0.011	ug/L		03/21/22 09:43	03/25/22 22:00	1
Benzo[g,h,i]perylene	0.031	U M	0.048	0.011	ug/L		03/21/22 09:43	03/25/22 22:00	1
Benzo[k]fluoranthene	0.031	U M	0.048	0.011	ug/L		03/21/22 09:43	03/25/22 22:00	1
Chrysene	0.031	U M	0.096	0.015	ug/L		03/21/22 09:43	03/25/22 22:00	1
Dibenz(a,h)anthracene	0.031	U M	0.096	0.025	ug/L		03/21/22 09:43	03/25/22 22:00	1
Fluoranthene	0.031	U M	0.19	0.017	ug/L		03/21/22 09:43	03/25/22 22:00	1
Fluorene	0.019	J	0.096	0.016	ug/L		03/21/22 09:43	03/25/22 22:00	1
Indeno[1,2,3-cd]pyrene	0.031	U M	0.048	0.013	ug/L		03/21/22 09:43	03/25/22 22:00	1
Naphthalene	0.14		0.096	0.030	ug/L		03/21/22 09:43	03/25/22 22:00	1
Phenanthrene	0.076	U M	0.096	0.030	ug/L		03/21/22 09:43	03/25/22 22:00	1
Pyrene	0.076	U M	0.096	0.032	ug/L		03/21/22 09:43	03/25/22 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	72		40 - 140	03/21/22 09:43	03/25/22 22:00	1
Fluoranthene-d10 (Surr)	87		40 - 140	03/21/22 09:43	03/25/22 22:00	1
Terphenyl-d14	95		58 - 132	03/21/22 09:43	03/25/22 22:00	1

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.29	U	0.38	0.086	ug/L		03/21/22 09:43	03/23/22 23:08	1
1,2-Dichlorobenzene	0.14	U	0.38	0.048	ug/L		03/21/22 09:43	03/23/22 23:08	1
1,3-Dichlorobenzene	0.086	U Q	0.38	0.038	ug/L		03/21/22 09:43	03/23/22 23:08	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2815 (RHMW01R)

Lab Sample ID: 580-111436-6

Date Collected: 03/15/22 10:20

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.086	U	0.38	0.038	ug/L		03/21/22 09:43	03/23/22 23:08	1
2,4,5-Trichlorophenol	0.29	U	0.38	0.096	ug/L		03/21/22 09:43	03/23/22 23:08	1
2,4,6-Trichlorophenol	0.29	U	0.57	0.096	ug/L		03/21/22 09:43	03/23/22 23:08	1
2,4-Dichlorophenol	0.48	U M	0.96	0.19	ug/L		03/21/22 09:43	03/23/22 23:08	1
2,4-Dimethylphenol	0.48	U M	3.8	0.15	ug/L		03/21/22 09:43	03/23/22 23:08	1
2,4-Dinitrophenol	3.1	U Q	4.8	1.5	ug/L		03/21/22 09:43	03/23/22 23:08	1
2,4-Dinitrotoluene	0.29	U M	0.96	0.096	ug/L		03/21/22 09:43	03/23/22 23:08	1
2,6-Dinitrotoluene	0.29	U M	0.38	0.096	ug/L		03/21/22 09:43	03/23/22 23:08	1
2-Chloronaphthalene	0.14	U M	0.96	0.067	ug/L		03/21/22 09:43	03/23/22 23:08	1
2-Chlorophenol	0.14	U	0.96	0.048	ug/L		03/21/22 09:43	03/23/22 23:08	1
2-Nitrophenol	0.14	U M Q	0.96	0.067	ug/L		03/21/22 09:43	03/23/22 23:08	1
3,3'-Dichlorobenzidine	0.57	U Q	0.96	0.25	ug/L		03/21/22 09:43	03/23/22 23:08	1
4,6-Dinitro-2-methylphenol	1.1	U M Q	1.9	0.53	ug/L		03/21/22 09:43	03/23/22 23:08	1
4-Bromophenyl phenyl ether	0.14	U	0.57	0.057	ug/L		03/21/22 09:43	03/23/22 23:08	1
4-Chloro-3-methylphenol	0.29	U M	0.57	0.12	ug/L		03/21/22 09:43	03/23/22 23:08	1
4-Chlorophenyl phenyl ether	0.14	U M	0.57	0.048	ug/L		03/21/22 09:43	03/23/22 23:08	1
4-Nitrophenol	5.7	U M Q	9.6	1.6	ug/L		03/21/22 09:43	03/23/22 23:08	1
Azobenzene	0.14	U	1.9	0.057	ug/L		03/21/22 09:43	03/23/22 23:08	1
bis (2-chloroisopropyl) ether	0.14	U	0.24	0.057	ug/L		03/21/22 09:43	03/23/22 23:08	1
Bis(2-chloroethoxy)methane	0.14	U M	0.57	0.048	ug/L		03/21/22 09:43	03/23/22 23:08	1
Bis(2-chloroethyl)ether	0.086	U M	0.096	0.029	ug/L		03/21/22 09:43	03/23/22 23:08	1
Bis(2-ethylhexyl) phthalate	1.5	U Q	2.9	0.71	ug/L		03/21/22 09:43	03/23/22 23:08	1
Butyl benzyl phthalate	0.57	U	3.8	0.26	ug/L		03/21/22 09:43	03/23/22 23:08	1
Diethyl phthalate	0.29	U M	0.96	0.14	ug/L		03/21/22 09:43	03/23/22 23:08	1
Dimethyl phthalate	0.14	U M	0.57	0.057	ug/L		03/21/22 09:43	03/23/22 23:08	1
Di-n-butyl phthalate	0.48	U	2.9	0.18	ug/L		03/21/22 09:43	03/23/22 23:08	1
Di-n-octyl phthalate	0.29	U M	0.96	0.12	ug/L		03/21/22 09:43	03/23/22 23:08	1
Hexachlorobenzene	0.086	U	0.57	0.038	ug/L		03/21/22 09:43	03/23/22 23:08	1
Hexachlorobutadiene	0.14	U Q	0.96	0.057	ug/L		03/21/22 09:43	03/23/22 23:08	1
Hexachlorocyclopentadiene	0.29	U Q	0.96	0.13	ug/L		03/21/22 09:43	03/23/22 23:08	1
Hexachloroethane	0.14	U Q	0.96	0.048	ug/L		03/21/22 09:43	03/23/22 23:08	1
Isophorone	0.29	U M	0.38	0.096	ug/L		03/21/22 09:43	03/23/22 23:08	1
m+p-Cresol	0.29	U	0.57	0.096	ug/L		03/21/22 09:43	03/23/22 23:08	1
Nitrobenzene	0.086	U M	0.96	0.038	ug/L		03/21/22 09:43	03/23/22 23:08	1
N-Nitrosodimethylamine	0.57	U	1.9	0.25	ug/L		03/21/22 09:43	03/23/22 23:08	1
N-Nitrosodi-n-propylamine	0.086	U M	0.38	0.057	ug/L		03/21/22 09:43	03/23/22 23:08	1
N-Nitrosodiphenylamine	0.14	U	0.96	0.067	ug/L		03/21/22 09:43	03/23/22 23:08	1
o-Cresol	0.14	U	0.57	0.048	ug/L		03/21/22 09:43	03/23/22 23:08	1
Pentachlorophenol	0.96	U Q	9.6	0.49	ug/L		03/21/22 09:43	03/23/22 23:08	1
Phenol	0.57	U	0.96	0.34	ug/L		03/21/22 09:43	03/23/22 23:08	1
Pyrene	0.086	U	0.96	0.038	ug/L		03/21/22 09:43	03/23/22 23:08	1
Pyridine	3.1	U Q	9.6	1.0	ug/L		03/21/22 09:43	03/23/22 23:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		43 - 140	03/21/22 09:43	03/23/22 23:08	1
2-Fluorobiphenyl	77		44 - 119	03/21/22 09:43	03/23/22 23:08	1
2-Fluorophenol (Surr)	59		19 - 119	03/21/22 09:43	03/23/22 23:08	1
Nitrobenzene-d5 (Surr)	79		44 - 120	03/21/22 09:43	03/23/22 23:08	1
Phenol-d5 (Surr)	43		10 - 120	03/21/22 09:43	03/23/22 23:08	1
Terphenyl-d14	95		50 - 134	03/21/22 09:43	03/23/22 23:08	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2775 (RHMW15-05)

Lab Sample ID: 580-111436-7

Date Collected: 03/14/22 09:45

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/18/22 10:55	03/21/22 16:39	1
2-Methylnaphthalene	0.080	U M	0.20	0.039	ug/L		03/18/22 10:55	03/21/22 16:39	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/18/22 10:55	03/21/22 16:39	1
Acenaphthylene	0.032	U	0.050	0.0091	ug/L		03/18/22 10:55	03/21/22 16:39	1
Anthracene	0.080	U	0.10	0.022	ug/L		03/18/22 10:55	03/21/22 16:39	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/18/22 10:55	03/21/22 16:39	1
Benzo[a]pyrene	0.032	U M	0.10	0.011	ug/L		03/18/22 10:55	03/21/22 16:39	1
Benzo[b]fluoranthene	0.032	U M	0.050	0.011	ug/L		03/18/22 10:55	03/21/22 16:39	1
Benzo[g,h,i]perylene	0.032	U M	0.050	0.012	ug/L		03/18/22 10:55	03/21/22 16:39	1
Benzo[k]fluoranthene	0.032	U M	0.050	0.012	ug/L		03/18/22 10:55	03/21/22 16:39	1
Chrysene	0.032	U M	0.10	0.016	ug/L		03/18/22 10:55	03/21/22 16:39	1
Dibenz(a,h)anthracene	0.032	U M	0.10	0.026	ug/L		03/18/22 10:55	03/21/22 16:39	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/18/22 10:55	03/21/22 16:39	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/18/22 10:55	03/21/22 16:39	1
Indeno[1,2,3-cd]pyrene	0.032	U M	0.050	0.014	ug/L		03/18/22 10:55	03/21/22 16:39	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/18/22 10:55	03/21/22 16:39	1
Phenanthrene	0.080	U M	0.10	0.031	ug/L		03/18/22 10:55	03/21/22 16:39	1
Pyrene	0.080	U	0.10	0.033	ug/L		03/18/22 10:55	03/21/22 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	59		40 - 140	03/18/22 10:55	03/21/22 16:39	1
Fluoranthene-d10 (Surr)	97		40 - 140	03/18/22 10:55	03/21/22 16:39	1
Terphenyl-d14	107		58 - 132	03/18/22 10:55	03/21/22 16:39	1

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U	0.40	0.091	ug/L		03/18/22 10:55	03/22/22 20:34	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/18/22 10:55	03/22/22 20:34	1
1,3-Dichlorobenzene	0.091	U	0.40	0.040	ug/L		03/18/22 10:55	03/22/22 20:34	1
1,4-Dichlorobenzene	0.091	U	0.40	0.040	ug/L		03/18/22 10:55	03/22/22 20:34	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/18/22 10:55	03/22/22 20:34	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/18/22 10:55	03/22/22 20:34	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/18/22 10:55	03/22/22 20:34	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/18/22 10:55	03/22/22 20:34	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/18/22 10:55	03/22/22 20:34	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/18/22 10:55	03/22/22 20:34	1
2,6-Dinitrotoluene	0.30	U M	0.40	0.10	ug/L		03/18/22 10:55	03/22/22 20:34	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/18/22 10:55	03/22/22 20:34	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/18/22 10:55	03/22/22 20:34	1
2-Nitrophenol	0.15	U M	1.0	0.070	ug/L		03/18/22 10:55	03/22/22 20:34	1
3,3'-Dichlorobenzidine	0.60	U Q	1.0	0.26	ug/L		03/18/22 10:55	03/22/22 20:34	1
4,6-Dinitro-2-methylphenol	1.2	U M	2.0	0.55	ug/L		03/18/22 10:55	03/22/22 20:34	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/18/22 10:55	03/22/22 20:34	1
4-Chloro-3-methylphenol	0.30	U	0.60	0.13	ug/L		03/18/22 10:55	03/22/22 20:34	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/18/22 10:55	03/22/22 20:34	1
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/18/22 10:55	03/22/22 20:34	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/18/22 10:55	03/22/22 20:34	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/18/22 10:55	03/22/22 20:34	1
Bis(2-chloroethoxy)methane	0.15	U M	0.60	0.050	ug/L		03/18/22 10:55	03/22/22 20:34	1
Bis(2-chloroethyl)ether	0.091	U	0.10	0.030	ug/L		03/18/22 10:55	03/22/22 20:34	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2775 (RHMW15-05)

Lab Sample ID: 580-111436-7

Date Collected: 03/14/22 09:45

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/18/22 10:55	03/22/22 20:34	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/18/22 10:55	03/22/22 20:34	1
Diethyl phthalate	0.30	U	1.0	0.15	ug/L		03/18/22 10:55	03/22/22 20:34	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/18/22 10:55	03/22/22 20:34	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/18/22 10:55	03/22/22 20:34	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/18/22 10:55	03/22/22 20:34	1
Hexachlorobenzene	0.091	U	0.60	0.040	ug/L		03/18/22 10:55	03/22/22 20:34	1
Hexachlorobutadiene	0.15	U	1.0	0.060	ug/L		03/18/22 10:55	03/22/22 20:34	1
Hexachlorocyclopentadiene	0.30	U	1.0	0.14	ug/L		03/18/22 10:55	03/22/22 20:34	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/18/22 10:55	03/22/22 20:34	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/18/22 10:55	03/22/22 20:34	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/18/22 10:55	03/22/22 20:34	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/18/22 10:55	03/22/22 20:34	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/18/22 10:55	03/22/22 20:34	1
N-Nitrosodi-n-propylamine	0.091	U	0.40	0.060	ug/L		03/18/22 10:55	03/22/22 20:34	1
N-Nitrosodiphenylamine	0.15	U M	1.0	0.070	ug/L		03/18/22 10:55	03/22/22 20:34	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/18/22 10:55	03/22/22 20:34	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/18/22 10:55	03/22/22 20:34	1
Phenol	0.60	U M	1.0	0.36	ug/L		03/18/22 10:55	03/22/22 20:34	1
Pyrene	0.091	U M	1.0	0.040	ug/L		03/18/22 10:55	03/22/22 20:34	1
Pyridine	3.2	U	10	1.1	ug/L		03/18/22 10:55	03/22/22 20:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	67		43 - 140	03/18/22 10:55	03/22/22 20:34	1
2-Fluorobiphenyl	57		44 - 119	03/18/22 10:55	03/22/22 20:34	1
2-Fluorophenol (Surr)	41		19 - 119	03/18/22 10:55	03/22/22 20:34	1
Nitrobenzene-d5 (Surr)	64		44 - 120	03/18/22 10:55	03/22/22 20:34	1
Phenol-d5 (Surr)	25		10 - 120	03/18/22 10:55	03/22/22 20:34	1
Terphenyl-d14	102		50 - 134	03/18/22 10:55	03/22/22 20:34	1

Client Sample ID: ERH2800 (RHMW14-3)

Lab Sample ID: 580-111436-8

Date Collected: 03/15/22 10:00

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U	0.10	0.019	ug/L		03/21/22 09:43	03/25/22 22:24	1
2-Methylnaphthalene	0.081	U M	0.20	0.039	ug/L		03/21/22 09:43	03/25/22 22:24	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/21/22 09:43	03/25/22 22:24	1
Acenaphthylene	0.032	U	0.050	0.0091	ug/L		03/21/22 09:43	03/25/22 22:24	1
Anthracene	0.081	U M	0.10	0.022	ug/L		03/21/22 09:43	03/25/22 22:24	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/21/22 09:43	03/25/22 22:24	1
Benzo[a]pyrene	0.032	U M	0.10	0.011	ug/L		03/21/22 09:43	03/25/22 22:24	1
Benzo[b]fluoranthene	0.032	U M	0.050	0.011	ug/L		03/21/22 09:43	03/25/22 22:24	1
Benzo[g,h,i]perylene	0.032	U M	0.050	0.012	ug/L		03/21/22 09:43	03/25/22 22:24	1
Benzo[k]fluoranthene	0.032	U M	0.050	0.012	ug/L		03/21/22 09:43	03/25/22 22:24	1
Chrysene	0.032	U M	0.10	0.016	ug/L		03/21/22 09:43	03/25/22 22:24	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/21/22 09:43	03/25/22 22:24	1
Fluoranthene	0.032	U M	0.20	0.018	ug/L		03/21/22 09:43	03/25/22 22:24	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/21/22 09:43	03/25/22 22:24	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2800 (RHMW14-3)

Lab Sample ID: 580-111436-8

Date Collected: 03/15/22 10:00

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.032	U M	0.050	0.014	ug/L		03/21/22 09:43	03/25/22 22:24	1
Naphthalene	0.081	U M	0.10	0.031	ug/L		03/21/22 09:43	03/25/22 22:24	1
Phenanthrene	0.081	U M	0.10	0.031	ug/L		03/21/22 09:43	03/25/22 22:24	1
Pyrene	0.081	U M	0.10	0.033	ug/L		03/21/22 09:43	03/25/22 22:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	68		40 - 140	03/21/22 09:43	03/25/22 22:24	1
Fluoranthene-d10 (Surr)	100		40 - 140	03/21/22 09:43	03/25/22 22:24	1
Terphenyl-d14	113		58 - 132	03/21/22 09:43	03/25/22 22:24	1

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U	0.40	0.091	ug/L		03/21/22 09:43	03/23/22 23:31	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/21/22 09:43	03/23/22 23:31	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/21/22 09:43	03/23/22 23:31	1
1,4-Dichlorobenzene	0.091	U	0.40	0.040	ug/L		03/21/22 09:43	03/23/22 23:31	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 23:31	1
2,4,6-Trichlorophenol	0.30	U	0.61	0.10	ug/L		03/21/22 09:43	03/23/22 23:31	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/21/22 09:43	03/23/22 23:31	1
2,4-Dimethylphenol	0.50	U M	4.0	0.16	ug/L		03/21/22 09:43	03/23/22 23:31	1
2,4-Dinitrophenol	3.2	U Q	5.0	1.6	ug/L		03/21/22 09:43	03/23/22 23:31	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/21/22 09:43	03/23/22 23:31	1
2,6-Dinitrotoluene	0.30	U M	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 23:31	1
2-Chloronaphthalene	0.15	U	1.0	0.071	ug/L		03/21/22 09:43	03/23/22 23:31	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/21/22 09:43	03/23/22 23:31	1
2-Nitrophenol	0.15	U Q	1.0	0.071	ug/L		03/21/22 09:43	03/23/22 23:31	1
3,3'-Dichlorobenzidine	0.61	U Q	1.0	0.26	ug/L		03/21/22 09:43	03/23/22 23:31	1
4,6-Dinitro-2-methylphenol	1.2	U M Q	2.0	0.56	ug/L		03/21/22 09:43	03/23/22 23:31	1
4-Bromophenyl phenyl ether	0.15	U	0.61	0.061	ug/L		03/21/22 09:43	03/23/22 23:31	1
4-Chloro-3-methylphenol	0.30	U M	0.61	0.13	ug/L		03/21/22 09:43	03/23/22 23:31	1
4-Chlorophenyl phenyl ether	0.15	U	0.61	0.050	ug/L		03/21/22 09:43	03/23/22 23:31	1
4-Nitrophenol	6.1	U Q	10	1.7	ug/L		03/21/22 09:43	03/23/22 23:31	1
Azobenzene	0.15	U M	2.0	0.061	ug/L		03/21/22 09:43	03/23/22 23:31	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.061	ug/L		03/21/22 09:43	03/23/22 23:31	1
Bis(2-chloroethoxy)methane	0.15	U	0.61	0.050	ug/L		03/21/22 09:43	03/23/22 23:31	1
Bis(2-chloroethyl)ether	0.091	U M	0.10	0.030	ug/L		03/21/22 09:43	03/23/22 23:31	1
Bis(2-ethylhexyl) phthalate	1.6	U Q	3.0	0.75	ug/L		03/21/22 09:43	03/23/22 23:31	1
Butyl benzyl phthalate	0.61	U	4.0	0.27	ug/L		03/21/22 09:43	03/23/22 23:31	1
Diethyl phthalate	0.30	U	1.0	0.15	ug/L		03/21/22 09:43	03/23/22 23:31	1
Dimethyl phthalate	0.15	U	0.61	0.061	ug/L		03/21/22 09:43	03/23/22 23:31	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/21/22 09:43	03/23/22 23:31	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/21/22 09:43	03/23/22 23:31	1
Hexachlorobenzene	0.091	U	0.61	0.040	ug/L		03/21/22 09:43	03/23/22 23:31	1
Hexachlorobutadiene	0.15	U Q	1.0	0.061	ug/L		03/21/22 09:43	03/23/22 23:31	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/21/22 09:43	03/23/22 23:31	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/21/22 09:43	03/23/22 23:31	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 23:31	1
m+p-Cresol	0.30	U M	0.61	0.10	ug/L		03/21/22 09:43	03/23/22 23:31	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/21/22 09:43	03/23/22 23:31	1
N-Nitrosodimethylamine	0.61	U	2.0	0.26	ug/L		03/21/22 09:43	03/23/22 23:31	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2800 (RHMW14-3)

Lab Sample ID: 580-111436-8

Date Collected: 03/15/22 10:00

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.091	U	0.40	0.061	ug/L		03/21/22 09:43	03/23/22 23:31	1
N-Nitrosodiphenylamine	0.15	U M	1.0	0.071	ug/L		03/21/22 09:43	03/23/22 23:31	1
o-Cresol	0.15	U M	0.61	0.050	ug/L		03/21/22 09:43	03/23/22 23:31	1
Pentachlorophenol	1.0	U Q	10	0.51	ug/L		03/21/22 09:43	03/23/22 23:31	1
Phenol	0.61	U M	1.0	0.36	ug/L		03/21/22 09:43	03/23/22 23:31	1
Pyrene	0.091	U M	1.0	0.040	ug/L		03/21/22 09:43	03/23/22 23:31	1
Pyridine	3.2	U Q	10	1.1	ug/L		03/21/22 09:43	03/23/22 23:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		43 - 140	03/21/22 09:43	03/23/22 23:31	1
2-Fluorobiphenyl	74		44 - 119	03/21/22 09:43	03/23/22 23:31	1
2-Fluorophenol (Surr)	53		19 - 119	03/21/22 09:43	03/23/22 23:31	1
Nitrobenzene-d5 (Surr)	78		44 - 120	03/21/22 09:43	03/23/22 23:31	1
Phenol-d5 (Surr)	37		10 - 120	03/21/22 09:43	03/23/22 23:31	1
Terphenyl-d14	114		50 - 134	03/21/22 09:43	03/23/22 23:31	1

Client Sample ID: ERH2821 (RHMW16)

Lab Sample ID: 580-111436-9

Date Collected: 03/15/22 10:40

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/21/22 09:43	03/25/22 22:49	1
2-Methylnaphthalene	0.081	U M	0.20	0.039	ug/L		03/21/22 09:43	03/25/22 22:49	1
Acenaphthene	0.032	U M	0.10	0.014	ug/L		03/21/22 09:43	03/25/22 22:49	1
Acenaphthylene	0.032	U M	0.050	0.0091	ug/L		03/21/22 09:43	03/25/22 22:49	1
Anthracene	0.081	U M	0.10	0.022	ug/L		03/21/22 09:43	03/25/22 22:49	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/21/22 09:43	03/25/22 22:49	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/21/22 09:43	03/25/22 22:49	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/21/22 09:43	03/25/22 22:49	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/21/22 09:43	03/25/22 22:49	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/21/22 09:43	03/25/22 22:49	1
Chrysene	0.032	U M	0.10	0.016	ug/L		03/21/22 09:43	03/25/22 22:49	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/21/22 09:43	03/25/22 22:49	1
Fluoranthene	0.032	U M	0.20	0.018	ug/L		03/21/22 09:43	03/25/22 22:49	1
Fluorene	0.032	U M	0.10	0.017	ug/L		03/21/22 09:43	03/25/22 22:49	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/21/22 09:43	03/25/22 22:49	1
Naphthalene	0.081	U M	0.10	0.031	ug/L		03/21/22 09:43	03/25/22 22:49	1
Phenanthrene	0.081	U M	0.10	0.031	ug/L		03/21/22 09:43	03/25/22 22:49	1
Pyrene	0.081	U M	0.10	0.033	ug/L		03/21/22 09:43	03/25/22 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	72		40 - 140	03/21/22 09:43	03/25/22 22:49	1
Fluoranthene-d10 (Surr)	102		40 - 140	03/21/22 09:43	03/25/22 22:49	1
Terphenyl-d14	113		58 - 132	03/21/22 09:43	03/25/22 22:49	1

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U	0.40	0.091	ug/L		03/21/22 09:43	03/23/22 23:54	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/21/22 09:43	03/23/22 23:54	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/21/22 09:43	03/23/22 23:54	1

Client Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2821 (RHMW16)

Lab Sample ID: 580-111436-9

Date Collected: 03/15/22 10:40

Matrix: Water

Date Received: 03/16/22 14:59

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.091	U	0.40	0.040	ug/L		03/21/22 09:43	03/23/22 23:54	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 23:54	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/21/22 09:43	03/23/22 23:54	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/21/22 09:43	03/23/22 23:54	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/21/22 09:43	03/23/22 23:54	1
2,4-Dinitrophenol	3.2	U Q	5.0	1.6	ug/L		03/21/22 09:43	03/23/22 23:54	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/21/22 09:43	03/23/22 23:54	1
2,6-Dinitrotoluene	0.30	U M	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 23:54	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/21/22 09:43	03/23/22 23:54	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/21/22 09:43	03/23/22 23:54	1
2-Nitrophenol	0.15	U Q	1.0	0.070	ug/L		03/21/22 09:43	03/23/22 23:54	1
3,3'-Dichlorobenzidine	0.60	U Q	1.0	0.26	ug/L		03/21/22 09:43	03/23/22 23:54	1
4,6-Dinitro-2-methylphenol	1.2	U Q	2.0	0.55	ug/L		03/21/22 09:43	03/23/22 23:54	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/21/22 09:43	03/23/22 23:54	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/21/22 09:43	03/23/22 23:54	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/21/22 09:43	03/23/22 23:54	1
4-Nitrophenol	6.0	U Q	10	1.7	ug/L		03/21/22 09:43	03/23/22 23:54	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/21/22 09:43	03/23/22 23:54	1
bis (2-chloroisopropyl) ether	0.15	U	0.25	0.060	ug/L		03/21/22 09:43	03/23/22 23:54	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/21/22 09:43	03/23/22 23:54	1
Bis(2-chloroethyl)ether	0.091	U M	0.10	0.030	ug/L		03/21/22 09:43	03/23/22 23:54	1
Bis(2-ethylhexyl) phthalate	1.6	U Q	3.0	0.74	ug/L		03/21/22 09:43	03/23/22 23:54	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/21/22 09:43	03/23/22 23:54	1
Diethyl phthalate	0.30	U	1.0	0.15	ug/L		03/21/22 09:43	03/23/22 23:54	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/21/22 09:43	03/23/22 23:54	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/21/22 09:43	03/23/22 23:54	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/21/22 09:43	03/23/22 23:54	1
Hexachlorobenzene	0.091	U	0.60	0.040	ug/L		03/21/22 09:43	03/23/22 23:54	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/21/22 09:43	03/23/22 23:54	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/21/22 09:43	03/23/22 23:54	1
Hexachloroethane	0.15	U M Q	1.0	0.050	ug/L		03/21/22 09:43	03/23/22 23:54	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 23:54	1
m+p-Cresol	0.30	U M	0.60	0.10	ug/L		03/21/22 09:43	03/23/22 23:54	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/21/22 09:43	03/23/22 23:54	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/21/22 09:43	03/23/22 23:54	1
N-Nitrosodi-n-propylamine	0.091	U M	0.40	0.060	ug/L		03/21/22 09:43	03/23/22 23:54	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/21/22 09:43	03/23/22 23:54	1
o-Cresol	0.15	U M	0.60	0.050	ug/L		03/21/22 09:43	03/23/22 23:54	1
Pentachlorophenol	1.0	U Q	10	0.51	ug/L		03/21/22 09:43	03/23/22 23:54	1
Phenol	0.60	U M	1.0	0.36	ug/L		03/21/22 09:43	03/23/22 23:54	1
Pyrene	0.091	U M	1.0	0.040	ug/L		03/21/22 09:43	03/23/22 23:54	1
Pyridine	3.2	U Q	10	1.1	ug/L		03/21/22 09:43	03/23/22 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		43 - 140	03/21/22 09:43	03/23/22 23:54	1
2-Fluorobiphenyl	78		44 - 119	03/21/22 09:43	03/23/22 23:54	1
2-Fluorophenol (Surr)	55		19 - 119	03/21/22 09:43	03/23/22 23:54	1
Nitrobenzene-d5 (Surr)	78		44 - 120	03/21/22 09:43	03/23/22 23:54	1
Phenol-d5 (Surr)	42		10 - 120	03/21/22 09:43	03/23/22 23:54	1
Terphenyl-d14	113		50 - 134	03/21/22 09:43	03/23/22 23:54	1

Default Detection Limits

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

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

Prep: 3510C

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

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

Prep: 3510C

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

Default Detection Limits

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

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

Prep: 3510C

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

Surrogate Summary

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (43-140)	FBP (44-119)	2FP (19-119)	NBZ (44-120)	PHL (10-120)	TPHL (50-134)
580-111436-1	ERH2807 (RHMW03)	71	59	49	67	36 M	91
580-111436-2	ERH2803 (RHMW12A)	75	67	54	78	39	102
580-111436-3	ERH2804 (RHMW12A)	83	66	51	74	36	110
580-111436-4	ERH2818 (RHMW05)	82	69	53	74	29	95
580-111436-5	ERH2814 (RHMW01R)	84	60	52	66	40	91
580-111436-6	ERH2815 (RHMW01R)	86	77	59	79	43	95
580-111436-7	ERH2775 (RHMW15-05)	67	57	41	64	25	102
580-111436-8	ERH2800 (RHMW14-3)	85	74	53	78	37	114
580-111436-9	ERH2821 (RHMW16)	81	78	55	78	42	113
LCS 580-384314/2-A	Lab Control Sample	84	78	53	82	36	101
LCS 580-384501/2-A	Lab Control Sample	81	75	55	80	41	94
LCSD 580-384314/3-A	Lab Control Sample Dup	81	68	54	78	38	97
LCSD 580-384501/3-A	Lab Control Sample Dup	74	74	44	76	36	93
MB 580-384314/1-A	Method Blank	68	78	57	88	39	107
MB 580-384501/1-A	Method Blank	67	70	55	71	21	93

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHL = Terphenyl-d14

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2MN (40-140)	FLN10 (40-140)	TPHL (58-132)
580-111436-1	ERH2807 (RHMW03)	57	84	94
580-111436-2	ERH2803 (RHMW12A)	68	94	105
580-111436-3	ERH2804 (RHMW12A)	64	98	110
580-111436-4	ERH2818 (RHMW05)	69	91	101
580-111436-5	ERH2814 (RHMW01R)	64	83	89
580-111436-6	ERH2815 (RHMW01R)	72	87	95
580-111436-7	ERH2775 (RHMW15-05)	59	97	107
580-111436-8	ERH2800 (RHMW14-3)	68	100	113
580-111436-9	ERH2821 (RHMW16)	72	102	113
LCS 580-384314/2-A	Lab Control Sample	72	92	101
LCS 580-384501/2-A	Lab Control Sample	72	86	98
LCSD 580-384314/3-A	Lab Control Sample Dup	69	94	101
LCSD 580-384501/3-A	Lab Control Sample Dup	71	89	100
MB 580-384314/1-A	Method Blank	76	102	110
MB 580-384501/1-A	Method Blank	66	87	100

Surrogate Legend

2MN = 2-methylnaphthalene-d10

FLN10 = Fluoranthene-d10 (Surr)

TPHL = Terphenyl-d14

QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

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

Lab Sample ID: MB 580-384314/1-A

Matrix: Water

Analysis Batch: 384624

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 384314

Analyte	MB	MB	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4-Trichlorobenzene	0.30	U	0.40	0.090	ug/L		03/18/22 10:55	03/22/22 18:12	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/18/22 10:55	03/22/22 18:12	1
1,3-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/18/22 10:55	03/22/22 18:12	1
1,4-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/18/22 10:55	03/22/22 18:12	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/18/22 10:55	03/22/22 18:12	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/18/22 10:55	03/22/22 18:12	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/18/22 10:55	03/22/22 18:12	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/18/22 10:55	03/22/22 18:12	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/18/22 10:55	03/22/22 18:12	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/18/22 10:55	03/22/22 18:12	1
2,6-Dinitrotoluene	0.30	U M	0.40	0.10	ug/L		03/18/22 10:55	03/22/22 18:12	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/18/22 10:55	03/22/22 18:12	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/18/22 10:55	03/22/22 18:12	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/18/22 10:55	03/22/22 18:12	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/18/22 10:55	03/22/22 18:12	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/18/22 10:55	03/22/22 18:12	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/18/22 10:55	03/22/22 18:12	1
4-Chloro-3-methylphenol	0.30	U	0.60	0.13	ug/L		03/18/22 10:55	03/22/22 18:12	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/18/22 10:55	03/22/22 18:12	1
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/18/22 10:55	03/22/22 18:12	1
Azobenzene	0.15	U	2.0	0.060	ug/L		03/18/22 10:55	03/22/22 18:12	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/18/22 10:55	03/22/22 18:12	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/18/22 10:55	03/22/22 18:12	1
Bis(2-chloroethyl)ether	0.090	U M	0.10	0.030	ug/L		03/18/22 10:55	03/22/22 18:12	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/18/22 10:55	03/22/22 18:12	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/18/22 10:55	03/22/22 18:12	1
Diethyl phthalate	0.30	U	1.0	0.15	ug/L		03/18/22 10:55	03/22/22 18:12	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/18/22 10:55	03/22/22 18:12	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/18/22 10:55	03/22/22 18:12	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/18/22 10:55	03/22/22 18:12	1
Hexachlorobenzene	0.090	U	0.60	0.040	ug/L		03/18/22 10:55	03/22/22 18:12	1
Hexachlorobutadiene	0.15	U	1.0	0.060	ug/L		03/18/22 10:55	03/22/22 18:12	1
Hexachlorocyclopentadiene	0.30	U	1.0	0.14	ug/L		03/18/22 10:55	03/22/22 18:12	1
Hexachloroethane	0.15	U	1.0	0.050	ug/L		03/18/22 10:55	03/22/22 18:12	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/18/22 10:55	03/22/22 18:12	1
m+p-Cresol	0.30	U M	0.60	0.10	ug/L		03/18/22 10:55	03/22/22 18:12	1
Nitrobenzene	0.090	U	1.0	0.040	ug/L		03/18/22 10:55	03/22/22 18:12	1
N-Nitrosodimethylamine	0.60	U M	2.0	0.26	ug/L		03/18/22 10:55	03/22/22 18:12	1
N-Nitrosodi-n-propylamine	0.090	U	0.40	0.060	ug/L		03/18/22 10:55	03/22/22 18:12	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/18/22 10:55	03/22/22 18:12	1
o-Cresol	0.15	U M	0.60	0.050	ug/L		03/18/22 10:55	03/22/22 18:12	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/18/22 10:55	03/22/22 18:12	1
Phenol	0.60	U M	1.0	0.36	ug/L		03/18/22 10:55	03/22/22 18:12	1
Pyrene	0.090	U	1.0	0.040	ug/L		03/18/22 10:55	03/22/22 18:12	1
Pyridine	3.2	U	10	1.1	ug/L		03/18/22 10:55	03/22/22 18:12	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	68		43 - 140	03/18/22 10:55	03/22/22 18:12	1

QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

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

Lab Sample ID: MB 580-384314/1-A
Matrix: Water
Analysis Batch: 384624

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384314

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl	78		44 - 119	03/18/22 10:55	03/22/22 18:12	1
2-Fluorophenol (Surr)	57		19 - 119	03/18/22 10:55	03/22/22 18:12	1
Nitrobenzene-d5 (Surr)	88		44 - 120	03/18/22 10:55	03/22/22 18:12	1
Phenol-d5 (Surr)	39		10 - 120	03/18/22 10:55	03/22/22 18:12	1
Terphenyl-d14	107		50 - 134	03/18/22 10:55	03/22/22 18:12	1

Lab Sample ID: LCS 580-384314/2-A
Matrix: Water
Analysis Batch: 384624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384314

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
1,2-Dichlorobenzene	2.00	0.978		ug/L		49	32 - 111	
1,3-Dichlorobenzene	2.00	0.929		ug/L		46	28 - 110	
1,4-Dichlorobenzene	2.00	0.939		ug/L		47	29 - 112	
2,4,5-Trichlorophenol	2.00	1.48		ug/L		74	53 - 123	
2,4,6-Trichlorophenol	2.00	1.55		ug/L		77	50 - 125	
2,4-Dichlorophenol	2.00	1.56		ug/L		78	47 - 121	
2,4-Dimethylphenol	2.00	1.52	J	ug/L		76	31 - 124	
2,4-Dinitrophenol	4.00	3.14	J M	ug/L		78	23 - 143	
2,4-Dinitrotoluene	2.00	1.68		ug/L		84	57 - 128	
2,6-Dinitrotoluene	2.00	1.66		ug/L		83	57 - 124	
2-Chloronaphthalene	2.00	1.44		ug/L		72	40 - 116	
2-Chlorophenol	2.00	1.45		ug/L		73	38 - 117	
2-Nitrophenol	2.00	1.58		ug/L		79	47 - 123	
3,3'-Dichlorobenzidine	4.00	4.39		ug/L		110	27 - 129	
4,6-Dinitro-2-methylphenol	4.00	2.99		ug/L		75	44 - 137	
4-Bromophenyl phenyl ether	2.00	1.57		ug/L		79	55 - 124	
4-Chloro-3-methylphenol	2.00	1.79		ug/L		89	52 - 119	
4-Chlorophenyl phenyl ether	2.00	1.70		ug/L		85	53 - 121	
4-Nitrophenol	4.00	2.14	J M	ug/L		54	35 - 145	
Azobenzene	2.00	1.78	J	ug/L		89	61 - 116	
bis (2-chloroisopropyl) ether	2.00	1.59		ug/L		80	37 - 130	
Bis(2-chloroethoxy)methane	2.00	1.54		ug/L		77	48 - 120	
Bis(2-chloroethyl)ether	2.00	1.45		ug/L		72	43 - 118	
Bis(2-ethylhexyl) phthalate	2.00	2.11	J	ug/L		106	55 - 135	
Butyl benzyl phthalate	2.00	1.98	J	ug/L		99	53 - 134	
Diethyl phthalate	2.00	1.95		ug/L		98	56 - 125	
Dimethyl phthalate	2.00	1.84		ug/L		92	45 - 127	
Di-n-butyl phthalate	2.00	1.87	J	ug/L		93	59 - 127	
Di-n-octyl phthalate	2.00	1.74		ug/L		87	51 - 140	
Hexachlorobenzene	2.00	1.47		ug/L		73	53 - 125	
Hexachlorobutadiene	2.00	0.820	J	ug/L		41	22 - 124	
Hexachlorocyclopentadiene	2.00	0.952	J	ug/L		48	20 - 125	
Hexachloroethane	2.00	0.812	J	ug/L		41	21 - 115	
Isophorone	2.00	1.69		ug/L		85	42 - 124	
m+p-Cresol	2.00	1.33		ug/L		66	29 - 110	
Nitrobenzene	2.00	1.53		ug/L		76	45 - 121	

QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

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

Lab Sample ID: LCS 580-384314/2-A
Matrix: Water
Analysis Batch: 384624

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384314
%Rec. Limits

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
N-Nitrosodimethylamine	2.00	1.29	J	ug/L		64	45 - 125
N-Nitrosodi-n-propylamine	2.00	1.49		ug/L		74	49 - 119
N-Nitrosodiphenylamine	2.00	1.61		ug/L		81	51 - 123
o-Cresol	2.00	1.36		ug/L		68	30 - 117
Pentachlorophenol	4.00	2.47	J	ug/L		62	35 - 138
Phenol	2.00	0.820	J	ug/L		41	13 - 120
Pyrene	2.00	1.74		ug/L		87	57 - 126
Pyridine	4.00	1.24	J	ug/L		31	20 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	84		43 - 140
2-Fluorobiphenyl	78		44 - 119
2-Fluorophenol (Surr)	53		19 - 119
Nitrobenzene-d5 (Surr)	82		44 - 120
Phenol-d5 (Surr)	36		10 - 120
Terphenyl-d14	101		50 - 134

Lab Sample ID: LCSD 580-384314/3-A
Matrix: Water
Analysis Batch: 384624

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384314
%Rec. RPD Limit

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,2,4-Trichlorobenzene	2.00	1.13		ug/L		56	29 - 116	6	20
1,2-Dichlorobenzene	2.00	1.12		ug/L		56	32 - 111	13	20
1,3-Dichlorobenzene	2.00	1.09		ug/L		54	28 - 110	16	20
1,4-Dichlorobenzene	2.00	1.09		ug/L		54	29 - 112	15	20
2,4,5-Trichlorophenol	2.00	1.29		ug/L		65	53 - 123	14	20
2,4,6-Trichlorophenol	2.00	1.38		ug/L		69	50 - 125	12	20
2,4-Dichlorophenol	2.00	1.63		ug/L		81	47 - 121	4	20
2,4-Dimethylphenol	2.00	1.57	J	ug/L		79	31 - 124	4	20
2,4-Dinitrophenol	4.00	3.35	J M	ug/L		84	23 - 143	7	20
2,4-Dinitrotoluene	2.00	1.61		ug/L		81	57 - 128	4	20
2,6-Dinitrotoluene	2.00	1.60		ug/L		80	57 - 124	4	20
2-Chloronaphthalene	2.00	1.38		ug/L		69	40 - 116	4	20
2-Chlorophenol	2.00	1.59		ug/L		80	38 - 117	9	20
2-Nitrophenol	2.00	1.73		ug/L		87	47 - 123	9	20
3,3'-Dichlorobenzidine	4.00	3.44	Q	ug/L		86	27 - 129	24	20
4,6-Dinitro-2-methylphenol	4.00	3.24		ug/L		81	44 - 137	8	20
4-Bromophenyl phenyl ether	2.00	1.59		ug/L		80	55 - 124	1	20
4-Chloro-3-methylphenol	2.00	1.54		ug/L		77	52 - 119	15	20
4-Chlorophenyl phenyl ether	2.00	1.59		ug/L		80	53 - 121	6	20
4-Nitrophenol	4.00	1.87	J	ug/L		47	35 - 145	13	20
Azobenzene	2.00	1.76	J	ug/L		88	61 - 116	1	20
bis (2-chloroisopropyl) ether	2.00	1.70		ug/L		85	37 - 130	7	20
Bis(2-chloroethoxy)methane	2.00	1.69		ug/L		85	48 - 120	9	20
Bis(2-chloroethyl)ether	2.00	1.56		ug/L		78	43 - 118	7	20
Bis(2-ethylhexyl) phthalate	2.00	2.09	J	ug/L		105	55 - 135	1	20
Butyl benzyl phthalate	2.00	1.90	J	ug/L		95	53 - 134	4	20

QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

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

Lab Sample ID: LCSD 580-384314/3-A
Matrix: Water
Analysis Batch: 384624

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384314

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							RPD	Limit	RPD	Limit
Diethyl phthalate	2.00	1.78		ug/L		89	56 - 125	9	20	
Dimethyl phthalate	2.00	1.66		ug/L		83	45 - 127	10	20	
Di-n-butyl phthalate	2.00	1.88	J	ug/L		94	59 - 127	1	20	
Di-n-octyl phthalate	2.00	1.68		ug/L		84	51 - 140	3	20	
Hexachlorobenzene	2.00	1.53		ug/L		77	53 - 125	4	20	
Hexachlorobutadiene	2.00	0.949	J	ug/L		47	22 - 124	15	20	
Hexachlorocyclopentadiene	2.00	0.998	J	ug/L		50	20 - 125	5	20	
Hexachloroethane	2.00	1.01	Q	ug/L		51	21 - 115	22	20	
Isophorone	2.00	1.76		ug/L		88	42 - 124	4	20	
m+p-Cresol	2.00	1.37		ug/L		68	29 - 110	3	20	
Nitrobenzene	2.00	1.60		ug/L		80	45 - 121	5	20	
N-Nitrosodimethylamine	2.00	1.39	J	ug/L		69	45 - 125	8	20	
N-Nitrosodi-n-propylamine	2.00	1.62		ug/L		81	49 - 119	8	20	
N-Nitrosodiphenylamine	2.00	1.66		ug/L		83	51 - 123	3	20	
o-Cresol	2.00	1.50		ug/L		75	30 - 117	9	20	
Pentachlorophenol	4.00	2.98	J	ug/L		74	35 - 138	19	20	
Phenol	2.00	0.866	J	ug/L		43	13 - 120	5	20	
Pyrene	2.00	1.76		ug/L		88	57 - 126	1	20	
Pyridine	4.00	1.25	J	ug/L		31	20 - 125	1	20	

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	81		43 - 140
2-Fluorobiphenyl	68		44 - 119
2-Fluorophenol (Surr)	54		19 - 119
Nitrobenzene-d5 (Surr)	78		44 - 120
Phenol-d5 (Surr)	38		10 - 120
Terphenyl-d14	97		50 - 134

Lab Sample ID: MB 580-384501/1-A
Matrix: Water
Analysis Batch: 384789

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384501

Analyte	MB MB		LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4-Trichlorobenzene	0.30	U	0.40	0.090	ug/L		03/21/22 09:43	03/23/22 05:13	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/21/22 09:43	03/23/22 05:13	1
1,3-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/21/22 09:43	03/23/22 05:13	1
1,4-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/21/22 09:43	03/23/22 05:13	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 05:13	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/21/22 09:43	03/23/22 05:13	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/21/22 09:43	03/23/22 05:13	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/21/22 09:43	03/23/22 05:13	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/21/22 09:43	03/23/22 05:13	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/21/22 09:43	03/23/22 05:13	1
2,6-Dinitrotoluene	0.30	U M	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 05:13	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/21/22 09:43	03/23/22 05:13	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/21/22 09:43	03/23/22 05:13	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/21/22 09:43	03/23/22 05:13	1
3,3'-Dichlorobenzidine	0.60	U M	1.0	0.26	ug/L		03/21/22 09:43	03/23/22 05:13	1

QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

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

Lab Sample ID: MB 580-384501/1-A
Matrix: Water
Analysis Batch: 384789

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384501

Analyte	MB	MB	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/21/22 09:43	03/23/22 05:13	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/21/22 09:43	03/23/22 05:13	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/21/22 09:43	03/23/22 05:13	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/21/22 09:43	03/23/22 05:13	1
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/21/22 09:43	03/23/22 05:13	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/21/22 09:43	03/23/22 05:13	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/21/22 09:43	03/23/22 05:13	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/21/22 09:43	03/23/22 05:13	1
Bis(2-chloroethyl)ether	0.090	U M	0.10	0.030	ug/L		03/21/22 09:43	03/23/22 05:13	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/21/22 09:43	03/23/22 05:13	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/21/22 09:43	03/23/22 05:13	1
Diethyl phthalate	0.30	U	1.0	0.15	ug/L		03/21/22 09:43	03/23/22 05:13	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/21/22 09:43	03/23/22 05:13	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/21/22 09:43	03/23/22 05:13	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/21/22 09:43	03/23/22 05:13	1
Hexachlorobenzene	0.090	U	0.60	0.040	ug/L		03/21/22 09:43	03/23/22 05:13	1
Hexachlorobutadiene	0.15	U	1.0	0.060	ug/L		03/21/22 09:43	03/23/22 05:13	1
Hexachlorocyclopentadiene	0.30	U	1.0	0.14	ug/L		03/21/22 09:43	03/23/22 05:13	1
Hexachloroethane	0.15	U	1.0	0.050	ug/L		03/21/22 09:43	03/23/22 05:13	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/21/22 09:43	03/23/22 05:13	1
m+p-Cresol	0.30	U M	0.60	0.10	ug/L		03/21/22 09:43	03/23/22 05:13	1
Nitrobenzene	0.090	U M	1.0	0.040	ug/L		03/21/22 09:43	03/23/22 05:13	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/21/22 09:43	03/23/22 05:13	1
N-Nitrosodi-n-propylamine	0.090	U M	0.40	0.060	ug/L		03/21/22 09:43	03/23/22 05:13	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/21/22 09:43	03/23/22 05:13	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/21/22 09:43	03/23/22 05:13	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/21/22 09:43	03/23/22 05:13	1
Phenol	0.60	U M	1.0	0.36	ug/L		03/21/22 09:43	03/23/22 05:13	1
Pyrene	0.090	U	1.0	0.040	ug/L		03/21/22 09:43	03/23/22 05:13	1
Pyridine	3.2	U M	10	1.1	ug/L		03/21/22 09:43	03/23/22 05:13	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	67		43 - 140	03/21/22 09:43	03/23/22 05:13	1
2-Fluorobiphenyl	70		44 - 119	03/21/22 09:43	03/23/22 05:13	1
2-Fluorophenol (Surr)	55		19 - 119	03/21/22 09:43	03/23/22 05:13	1
Nitrobenzene-d5 (Surr)	71		44 - 120	03/21/22 09:43	03/23/22 05:13	1
Phenol-d5 (Surr)	21		10 - 120	03/21/22 09:43	03/23/22 05:13	1
Terphenyl-d14	93		50 - 134	03/21/22 09:43	03/23/22 05:13	1

Lab Sample ID: LCS 580-384501/2-A
Matrix: Water
Analysis Batch: 384789

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384501

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
1,2,4-Trichlorobenzene	2.00	1.38		ug/L		69		29 - 116
1,2-Dichlorobenzene	2.00	1.34		ug/L		67		32 - 111
1,3-Dichlorobenzene	2.00	1.32		ug/L		66		28 - 110
1,4-Dichlorobenzene	2.00	1.28		ug/L		64		29 - 112

QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

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

Lab Sample ID: LCS 580-384501/2-A
Matrix: Water
Analysis Batch: 384789

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384501
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4,5-Trichlorophenol	2.00	1.54		ug/L		77	53 - 123
2,4,6-Trichlorophenol	2.00	1.64		ug/L		82	50 - 125
2,4-Dichlorophenol	2.00	1.68		ug/L		84	47 - 121
2,4-Dimethylphenol	2.00	1.66	J M	ug/L		83	31 - 124
2,4-Dinitrophenol	4.00	3.01	J M	ug/L		75	23 - 143
2,4-Dinitrotoluene	2.00	1.77		ug/L		89	57 - 128
2,6-Dinitrotoluene	2.00	1.80		ug/L		90	57 - 124
2-Chloronaphthalene	2.00	1.60		ug/L		80	40 - 116
2-Chlorophenol	2.00	1.56		ug/L		78	38 - 117
2-Nitrophenol	2.00	1.70		ug/L		85	47 - 123
3,3'-Dichlorobenzidine	4.00	4.47		ug/L		112	27 - 129
4,6-Dinitro-2-methylphenol	4.00	3.00		ug/L		75	44 - 137
4-Bromophenyl phenyl ether	2.00	1.64		ug/L		82	55 - 124
4-Chloro-3-methylphenol	2.00	1.77		ug/L		88	52 - 119
4-Chlorophenyl phenyl ether	2.00	1.73		ug/L		87	53 - 121
4-Nitrophenol	4.00	2.78	J M	ug/L		70	35 - 145
Azobenzene	2.00	1.74	J	ug/L		87	61 - 116
bis (2-chloroisopropyl) ether	2.00	1.69		ug/L		84	37 - 130
Bis(2-chloroethoxy)methane	2.00	1.63		ug/L		81	48 - 120
Bis(2-chloroethyl)ether	2.00	1.55		ug/L		78	43 - 118
Bis(2-ethylhexyl) phthalate	2.00	2.62	J	ug/L		131	55 - 135
Butyl benzyl phthalate	2.00	1.96	J	ug/L		98	53 - 134
Diethyl phthalate	2.00	1.79		ug/L		89	56 - 125
Dimethyl phthalate	2.00	1.82		ug/L		91	45 - 127
Di-n-butyl phthalate	2.00	1.89	J	ug/L		94	59 - 127
Di-n-octyl phthalate	2.00	1.83		ug/L		92	51 - 140
Hexachlorobenzene	2.00	1.60		ug/L		80	53 - 125
Hexachlorobutadiene	2.00	1.26		ug/L		63	22 - 124
Hexachlorocyclopentadiene	2.00	1.49		ug/L		75	20 - 125
Hexachloroethane	2.00	1.27		ug/L		63	21 - 115
Isophorone	2.00	1.72		ug/L		86	42 - 124
m+p-Cresol	2.00	1.48		ug/L		74	29 - 110
Nitrobenzene	2.00	1.61		ug/L		81	45 - 121
N-Nitrosodimethylamine	2.00	1.30	J	ug/L		65	45 - 125
N-Nitrosodi-n-propylamine	2.00	1.60		ug/L		80	49 - 119
N-Nitrosodiphenylamine	2.00	1.67		ug/L		84	51 - 123
o-Cresol	2.00	1.60		ug/L		80	30 - 117
Pentachlorophenol	4.00	2.72	J	ug/L		68	35 - 138
Phenol	2.00	0.894	J M	ug/L		45	13 - 120
Pyrene	2.00	1.73		ug/L		86	57 - 126
Pyridine	4.00	2.12	J	ug/L		53	20 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	81		43 - 140
2-Fluorobiphenyl	75		44 - 119
2-Fluorophenol (Surr)	55		19 - 119
Nitrobenzene-d5 (Surr)	80		44 - 120
Phenol-d5 (Surr)	41		10 - 120

QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

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

Lab Sample ID: LCS 580-384501/2-A
Matrix: Water
Analysis Batch: 384789

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384501

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14	94		50 - 134

Lab Sample ID: LCSD 580-384501/3-A
Matrix: Water
Analysis Batch: 384789

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384501

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	RPD Limit
							Limits	RPD		
1,2,4-Trichlorobenzene	2.00	1.21		ug/L		60	29 - 116	13	20	
1,2-Dichlorobenzene	2.00	1.14		ug/L		57	32 - 111	16	20	
1,3-Dichlorobenzene	2.00	1.06	Q	ug/L		53	28 - 110	22	20	
1,4-Dichlorobenzene	2.00	1.08		ug/L		54	29 - 112	17	20	
2,4,5-Trichlorophenol	2.00	1.46		ug/L		73	53 - 123	5	20	
2,4,6-Trichlorophenol	2.00	1.38		ug/L		69	50 - 125	17	20	
2,4-Dichlorophenol	2.00	1.45		ug/L		73	47 - 121	14	20	
2,4-Dimethylphenol	2.00	1.48	J	ug/L		74	31 - 124	12	20	
2,4-Dinitrophenol	4.00	1.66	J M Q	ug/L		42	23 - 143	58	20	
2,4-Dinitrotoluene	2.00	1.68		ug/L		84	57 - 128	6	20	
2,6-Dinitrotoluene	2.00	1.68		ug/L		84	57 - 124	7	20	
2-Chloronaphthalene	2.00	1.53		ug/L		76	40 - 116	5	20	
2-Chlorophenol	2.00	1.27		ug/L		64	38 - 117	20	20	
2-Nitrophenol	2.00	1.24	Q	ug/L		62	47 - 123	32	20	
3,3'-Dichlorobenzidine	4.00	4.10		ug/L		103	27 - 129	9	20	
4,6-Dinitro-2-methylphenol	4.00	1.34	J Q	ug/L		33	44 - 137	77	20	
4-Bromophenyl phenyl ether	2.00	1.54		ug/L		77	55 - 124	7	20	
4-Chloro-3-methylphenol	2.00	1.66		ug/L		83	52 - 119	6	20	
4-Chlorophenyl phenyl ether	2.00	1.70		ug/L		85	53 - 121	2	20	
4-Nitrophenol	4.00	6.0	U Q	ug/L		39	35 - 145	55	20	
Azobenzene	2.00	1.67	J	ug/L		83	61 - 116	4	20	
bis (2-chloroisopropyl) ether	2.00	1.52		ug/L		76	37 - 130	10	20	
Bis(2-chloroethoxy)methane	2.00	1.55		ug/L		78	48 - 120	5	20	
Bis(2-chloroethyl)ether	2.00	1.49		ug/L		74	43 - 118	4	20	
Bis(2-ethylhexyl) phthalate	2.00	3.27	Q	ug/L		163	55 - 135	22	20	
Butyl benzyl phthalate	2.00	2.10	J	ug/L		105	53 - 134	7	20	
Diethyl phthalate	2.00	1.91		ug/L		95	56 - 125	6	20	
Dimethyl phthalate	2.00	1.83		ug/L		91	45 - 127	0	20	
Di-n-butyl phthalate	2.00	2.11	J	ug/L		105	59 - 127	11	20	
Di-n-octyl phthalate	2.00	2.01		ug/L		101	51 - 140	9	20	
Hexachlorobenzene	2.00	1.47		ug/L		74	53 - 125	8	20	
Hexachlorobutadiene	2.00	1.01	Q	ug/L		50	22 - 124	22	20	
Hexachlorocyclopentadiene	2.00	1.18	Q	ug/L		59	20 - 125	23	20	
Hexachloroethane	2.00	1.02	Q	ug/L		51	21 - 115	22	20	
Isophorone	2.00	1.61		ug/L		81	42 - 124	6	20	
m+p-Cresol	2.00	1.45		ug/L		72	29 - 110	2	20	
Nitrobenzene	2.00	1.50		ug/L		75	45 - 121	7	20	
N-Nitrosodimethylamine	2.00	1.24	J	ug/L		62	45 - 125	5	20	
N-Nitrosodi-n-propylamine	2.00	1.51		ug/L		75	49 - 119	6	20	
N-Nitrosodiphenylamine	2.00	1.57		ug/L		79	51 - 123	6	20	
o-Cresol	2.00	1.52		ug/L		76	30 - 117	5	20	

QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

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

Lab Sample ID: LCSD 580-384501/3-A
Matrix: Water
Analysis Batch: 384789

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384501

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol	4.00	1.98	J Q	ug/L		49	35 - 138	32	20
Phenol	2.00	0.767	J M	ug/L		38	13 - 120	15	20
Pyrene	2.00	1.72		ug/L		86	57 - 126	1	20
Pyridine	4.00	1.42	J Q	ug/L		35	20 - 125	39	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	74		43 - 140
2-Fluorobiphenyl	74		44 - 119
2-Fluorophenol (Surr)	44		19 - 119
Nitrobenzene-d5 (Surr)	76		44 - 120
Phenol-d5 (Surr)	36		10 - 120
Terphenyl-d14	93		50 - 134

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

Lab Sample ID: MB 580-384314/1-A
Matrix: Water
Analysis Batch: 384521

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384314

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/18/22 10:55	03/21/22 12:29	1
2-Methylnaphthalene	0.080	U M	0.20	0.039	ug/L		03/18/22 10:55	03/21/22 12:29	1
Acenaphthene	0.032	U M	0.10	0.014	ug/L		03/18/22 10:55	03/21/22 12:29	1
Acenaphthylene	0.032	U	0.050	0.0090	ug/L		03/18/22 10:55	03/21/22 12:29	1
Anthracene	0.080	U	0.10	0.022	ug/L		03/18/22 10:55	03/21/22 12:29	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/18/22 10:55	03/21/22 12:29	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/18/22 10:55	03/21/22 12:29	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/18/22 10:55	03/21/22 12:29	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/18/22 10:55	03/21/22 12:29	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/18/22 10:55	03/21/22 12:29	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/18/22 10:55	03/21/22 12:29	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/18/22 10:55	03/21/22 12:29	1
Fluoranthene	0.032	U M	0.20	0.018	ug/L		03/18/22 10:55	03/21/22 12:29	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/18/22 10:55	03/21/22 12:29	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/18/22 10:55	03/21/22 12:29	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/18/22 10:55	03/21/22 12:29	1
Phenanthrene	0.080	U M	0.10	0.031	ug/L		03/18/22 10:55	03/21/22 12:29	1
Pyrene	0.080	U M	0.10	0.033	ug/L		03/18/22 10:55	03/21/22 12:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	76		40 - 140	03/18/22 10:55	03/21/22 12:29	1
Fluoranthene-d10 (Surr)	102		40 - 140	03/18/22 10:55	03/21/22 12:29	1
Terphenyl-d14	110		58 - 132	03/18/22 10:55	03/21/22 12:29	1

QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

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

Lab Sample ID: LCS 580-384314/2-A
Matrix: Water
Analysis Batch: 384521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384314

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	2.00	1.32		ug/L		66	41 - 115
2-Methylnaphthalene	2.00	1.25		ug/L		63	39 - 114
Acenaphthene	2.00	1.50		ug/L		75	48 - 114
Acenaphthylene	2.00	1.42		ug/L		71	35 - 121
Anthracene	2.00	1.61		ug/L		81	53 - 119
Benzo[a]anthracene	2.00	1.71		ug/L		85	59 - 120
Benzo[a]pyrene	2.00	1.59		ug/L		80	53 - 120
Benzo[b]fluoranthene	2.00	1.72		ug/L		86	53 - 126
Benzo[g,h,i]perylene	2.00	1.84		ug/L		92	44 - 128
Benzo[k]fluoranthene	2.00	1.78		ug/L		89	54 - 125
Chrysene	2.00	1.67		ug/L		83	57 - 120
Dibenz(a,h)anthracene	2.00	1.83	M	ug/L		92	44 - 131
Fluoranthene	2.00	1.83		ug/L		91	58 - 120
Fluorene	2.00	1.65		ug/L		82	50 - 118
Indeno[1,2,3-cd]pyrene	2.00	1.83	M	ug/L		91	48 - 130
Naphthalene	2.00	1.32		ug/L		66	43 - 114
Phenanthrene	2.00	1.61		ug/L		80	53 - 115
Pyrene	2.00	1.80		ug/L		90	53 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-methylnaphthalene-d10	72		40 - 140
Fluoranthene-d10 (Surr)	92		40 - 140
Terphenyl-d14	101		58 - 132

Lab Sample ID: LCSD 580-384314/3-A
Matrix: Water
Analysis Batch: 384521

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384314

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1-Methylnaphthalene	2.00	1.36		ug/L		68	41 - 115	3	20
2-Methylnaphthalene	2.00	1.30		ug/L		65	39 - 114	4	20
Acenaphthene	2.00	1.53		ug/L		76	48 - 114	2	20
Acenaphthylene	2.00	1.45		ug/L		73	35 - 121	2	20
Anthracene	2.00	1.66		ug/L		83	53 - 119	3	20
Benzo[a]anthracene	2.00	1.75		ug/L		88	59 - 120	3	20
Benzo[a]pyrene	2.00	1.63		ug/L		82	53 - 120	3	20
Benzo[b]fluoranthene	2.00	1.74		ug/L		87	53 - 126	2	20
Benzo[g,h,i]perylene	2.00	1.85		ug/L		92	44 - 128	0	20
Benzo[k]fluoranthene	2.00	1.83		ug/L		91	54 - 125	3	20
Chrysene	2.00	1.72		ug/L		86	57 - 120	3	20
Dibenz(a,h)anthracene	2.00	1.84	M	ug/L		92	44 - 131	1	20
Fluoranthene	2.00	1.89		ug/L		95	58 - 120	4	20
Fluorene	2.00	1.68		ug/L		84	50 - 118	2	20
Indeno[1,2,3-cd]pyrene	2.00	1.84	M	ug/L		92	48 - 130	1	20
Naphthalene	2.00	1.35		ug/L		67	43 - 114	2	20
Phenanthrene	2.00	1.66		ug/L		83	53 - 115	3	20
Pyrene	2.00	1.84		ug/L		92	53 - 121	2	20

QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

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

Lab Sample ID: LCSD 580-384314/3-A
Matrix: Water
Analysis Batch: 384521

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384314

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2-methylnaphthalene-d10	69		40 - 140
Fluoranthene-d10 (Surr)	94		40 - 140
Terphenyl-d14	101		58 - 132

Lab Sample ID: MB 580-384501/1-A
Matrix: Water
Analysis Batch: 385175

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384501

Analyte	MB		LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/21/22 09:43	03/25/22 17:54	1
2-Methylnaphthalene	0.080	U	0.20	0.039	ug/L		03/21/22 09:43	03/25/22 17:54	1
Acenaphthene	0.032	U M	0.10	0.014	ug/L		03/21/22 09:43	03/25/22 17:54	1
Acenaphthylene	0.032	U M	0.050	0.0090	ug/L		03/21/22 09:43	03/25/22 17:54	1
Anthracene	0.080	U M	0.10	0.022	ug/L		03/21/22 09:43	03/25/22 17:54	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/21/22 09:43	03/25/22 17:54	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/21/22 09:43	03/25/22 17:54	1
Benzo[b]fluoranthene	0.032	U M	0.050	0.011	ug/L		03/21/22 09:43	03/25/22 17:54	1
Benzo[g,h,i]perylene	0.032	U M	0.050	0.012	ug/L		03/21/22 09:43	03/25/22 17:54	1
Benzo[k]fluoranthene	0.032	U M	0.050	0.012	ug/L		03/21/22 09:43	03/25/22 17:54	1
Chrysene	0.032	U M	0.10	0.016	ug/L		03/21/22 09:43	03/25/22 17:54	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/21/22 09:43	03/25/22 17:54	1
Fluoranthene	0.032	U M	0.20	0.018	ug/L		03/21/22 09:43	03/25/22 17:54	1
Fluorene	0.032	U M	0.10	0.017	ug/L		03/21/22 09:43	03/25/22 17:54	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/21/22 09:43	03/25/22 17:54	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/21/22 09:43	03/25/22 17:54	1
Phenanthrene	0.080	U M	0.10	0.031	ug/L		03/21/22 09:43	03/25/22 17:54	1
Pyrene	0.080	U M	0.10	0.033	ug/L		03/21/22 09:43	03/25/22 17:54	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-methylnaphthalene-d10	66		40 - 140	03/21/22 09:43	03/25/22 17:54	1
Fluoranthene-d10 (Surr)	87		40 - 140	03/21/22 09:43	03/25/22 17:54	1
Terphenyl-d14	100		58 - 132	03/21/22 09:43	03/25/22 17:54	1

Lab Sample ID: LCS 580-384501/2-A
Matrix: Water
Analysis Batch: 385175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384501

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
1-Methylnaphthalene	2.00	1.58		ug/L		79	41 - 115
2-Methylnaphthalene	2.00	1.59		ug/L		79	39 - 114
Acenaphthene	2.00	1.62		ug/L		81	48 - 114
Acenaphthylene	2.00	1.68		ug/L		84	35 - 121
Anthracene	2.00	1.74		ug/L		87	53 - 119
Benzo[a]anthracene	2.00	1.90		ug/L		95	59 - 120
Benzo[a]pyrene	2.00	1.88		ug/L		94	53 - 120
Benzo[b]fluoranthene	2.00	1.85		ug/L		93	53 - 126
Benzo[g,h,i]perylene	2.00	1.78		ug/L		89	44 - 128
Benzo[k]fluoranthene	2.00	1.84		ug/L		92	54 - 125

QC Sample Results

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

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

Lab Sample ID: LCS 580-384501/2-A
Matrix: Water
Analysis Batch: 385175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384501
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chrysene	2.00	1.67		ug/L		83	57 - 120
Dibenz(a,h)anthracene	2.00	1.80		ug/L		90	44 - 131
Fluoranthene	2.00	1.89		ug/L		94	58 - 120
Fluorene	2.00	1.79		ug/L		90	50 - 118
Indeno[1,2,3-cd]pyrene	2.00	1.67		ug/L		84	48 - 130
Naphthalene	2.00	1.49		ug/L		74	43 - 114
Phenanthrene	2.00	1.70		ug/L		85	53 - 115
Pyrene	2.00	1.81		ug/L		90	53 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-methylnaphthalene-d10	72		40 - 140
Fluoranthene-d10 (Surr)	86		40 - 140
Terphenyl-d14	98		58 - 132

Lab Sample ID: LCSD 580-384501/3-A
Matrix: Water
Analysis Batch: 385175

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384501
%Rec.

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1-Methylnaphthalene	2.00	1.47		ug/L		74	41 - 115	7	20
2-Methylnaphthalene	2.00	1.48		ug/L		74	39 - 114	7	20
Acenaphthene	2.00	1.57		ug/L		78	48 - 114	3	20
Acenaphthylene	2.00	1.65		ug/L		83	35 - 121	2	20
Anthracene	2.00	1.74		ug/L		87	53 - 119	0	20
Benzo[a]anthracene	2.00	1.99		ug/L		99	59 - 120	4	20
Benzo[a]pyrene	2.00	1.90		ug/L		95	53 - 120	1	20
Benzo[b]fluoranthene	2.00	1.85		ug/L		93	53 - 126	0	20
Benzo[g,h,i]perylene	2.00	1.85		ug/L		92	44 - 128	4	20
Benzo[k]fluoranthene	2.00	1.88		ug/L		94	54 - 125	3	20
Chrysene	2.00	1.76		ug/L		88	57 - 120	5	20
Dibenz(a,h)anthracene	2.00	1.88		ug/L		94	44 - 131	4	20
Fluoranthene	2.00	1.93		ug/L		97	58 - 120	2	20
Fluorene	2.00	1.77		ug/L		88	50 - 118	2	20
Indeno[1,2,3-cd]pyrene	2.00	1.89		ug/L		95	48 - 130	12	20
Naphthalene	2.00	1.38		ug/L		69	43 - 114	7	20
Phenanthrene	2.00	1.70		ug/L		85	53 - 115	0	20
Pyrene	2.00	1.84		ug/L		92	53 - 121	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-methylnaphthalene-d10	71		40 - 140
Fluoranthene-d10 (Surr)	89		40 - 140
Terphenyl-d14	100		58 - 132

QC Association Summary

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

GC/MS Semi VOA

Prep Batch: 384314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111436-7	ERH2775 (RHMW15-05)	Total/NA	Water	3510C	
MB 580-384314/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-384314/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 580-384314/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 384501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111436-1	ERH2807 (RHMW03)	Total/NA	Water	3510C	
580-111436-2	ERH2803 (RHMW12A)	Total/NA	Water	3510C	
580-111436-3	ERH2804 (RHMW12A)	Total/NA	Water	3510C	
580-111436-4	ERH2818 (RHMW05)	Total/NA	Water	3510C	
580-111436-5	ERH2814 (RHMW01R)	Total/NA	Water	3510C	
580-111436-6	ERH2815 (RHMW01R)	Total/NA	Water	3510C	
580-111436-8	ERH2800 (RHMW14-3)	Total/NA	Water	3510C	
580-111436-9	ERH2821 (RHMW16)	Total/NA	Water	3510C	
MB 580-384501/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-384501/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 580-384501/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 384521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111436-7	ERH2775 (RHMW15-05)	Total/NA	Water	8270E SIM	384314
MB 580-384314/1-A	Method Blank	Total/NA	Water	8270E SIM	384314
LCS 580-384314/2-A	Lab Control Sample	Total/NA	Water	8270E SIM	384314
LCS 580-384314/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	384314

Analysis Batch: 384624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111436-7	ERH2775 (RHMW15-05)	Total/NA	Water	8270E	384314
MB 580-384314/1-A	Method Blank	Total/NA	Water	8270E	384314
LCS 580-384314/2-A	Lab Control Sample	Total/NA	Water	8270E	384314
LCS 580-384314/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	384314

Analysis Batch: 384789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111436-1	ERH2807 (RHMW03)	Total/NA	Water	8270E	384501
MB 580-384501/1-A	Method Blank	Total/NA	Water	8270E	384501
LCS 580-384501/2-A	Lab Control Sample	Total/NA	Water	8270E	384501
LCS 580-384501/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	384501

Analysis Batch: 384865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111436-2	ERH2803 (RHMW12A)	Total/NA	Water	8270E	384501
580-111436-3	ERH2804 (RHMW12A)	Total/NA	Water	8270E	384501
580-111436-4	ERH2818 (RHMW05)	Total/NA	Water	8270E	384501
580-111436-5	ERH2814 (RHMW01R)	Total/NA	Water	8270E	384501
580-111436-6	ERH2815 (RHMW01R)	Total/NA	Water	8270E	384501
580-111436-8	ERH2800 (RHMW14-3)	Total/NA	Water	8270E	384501
580-111436-9	ERH2821 (RHMW16)	Total/NA	Water	8270E	384501

QC Association Summary

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

GC/MS Semi VOA

Analysis Batch: 385175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111436-1	ERH2807 (RHMW03)	Total/NA	Water	8270E SIM	384501
580-111436-2	ERH2803 (RHMW12A)	Total/NA	Water	8270E SIM	384501
580-111436-3	ERH2804 (RHMW12A)	Total/NA	Water	8270E SIM	384501
580-111436-4	ERH2818 (RHMW05)	Total/NA	Water	8270E SIM	384501
580-111436-5	ERH2814 (RHMW01R)	Total/NA	Water	8270E SIM	384501
580-111436-6	ERH2815 (RHMW01R)	Total/NA	Water	8270E SIM	384501
580-111436-8	ERH2800 (RHMW14-3)	Total/NA	Water	8270E SIM	384501
580-111436-9	ERH2821 (RHMW16)	Total/NA	Water	8270E SIM	384501
MB 580-384501/1-A	Method Blank	Total/NA	Water	8270E SIM	384501
LCS 580-384501/2-A	Lab Control Sample	Total/NA	Water	8270E SIM	384501
LCSD 580-384501/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	384501

Lab Chronicle

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2807 (RHMW03)

Lab Sample ID: 580-111436-1

Date Collected: 03/15/22 12:50

Matrix: Water

Date Received: 03/16/22 14:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E		1	384789	03/23/22 10:41	E1L	FGS SEA
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	385175	03/25/22 19:57	E1L	FGS SEA

Client Sample ID: ERH2803 (RHMW12A)

Lab Sample ID: 580-111436-2

Date Collected: 03/15/22 13:10

Matrix: Water

Date Received: 03/16/22 14:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E		1	384865	03/23/22 21:35	JCM	FGS SEA
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	385175	03/25/22 20:21	E1L	FGS SEA

Client Sample ID: ERH2804 (RHMW12A)

Lab Sample ID: 580-111436-3

Date Collected: 03/15/22 13:10

Matrix: Water

Date Received: 03/16/22 14:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E		1	384865	03/23/22 21:58	JCM	FGS SEA
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	385175	03/25/22 20:46	E1L	FGS SEA

Client Sample ID: ERH2818 (RHMW05)

Lab Sample ID: 580-111436-4

Date Collected: 03/15/22 09:05

Matrix: Water

Date Received: 03/16/22 14:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E		1	384865	03/23/22 22:22	JCM	FGS SEA
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	385175	03/25/22 21:10	E1L	FGS SEA

Client Sample ID: ERH2814 (RHMW01R)

Lab Sample ID: 580-111436-5

Date Collected: 03/15/22 10:20

Matrix: Water

Date Received: 03/16/22 14:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E		1	384865	03/23/22 22:45	JCM	FGS SEA
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	385175	03/25/22 21:35	E1L	FGS SEA

Lab Chronicle

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Client Sample ID: ERH2815 (RHMW01R)

Lab Sample ID: 580-111436-6

Date Collected: 03/15/22 10:20

Matrix: Water

Date Received: 03/16/22 14:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E		1	384865	03/23/22 23:08	JCM	FGS SEA
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	385175	03/25/22 22:00	E1L	FGS SEA

Client Sample ID: ERH2775 (RHMW15-05)

Lab Sample ID: 580-111436-7

Date Collected: 03/14/22 09:45

Matrix: Water

Date Received: 03/16/22 14:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384314	03/18/22 10:55	ASL	FGS SEA
Total/NA	Analysis	8270E		1	384624	03/22/22 20:34	ADB	FGS SEA
Total/NA	Prep	3510C			384314	03/18/22 10:55	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	384521	03/21/22 16:39	TL1	FGS SEA

Client Sample ID: ERH2800 (RHMW14-3)

Lab Sample ID: 580-111436-8

Date Collected: 03/15/22 10:00

Matrix: Water

Date Received: 03/16/22 14:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E		1	384865	03/23/22 23:31	JCM	FGS SEA
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	385175	03/25/22 22:24	E1L	FGS SEA

Client Sample ID: ERH2821 (RHMW16)

Lab Sample ID: 580-111436-9

Date Collected: 03/15/22 10:40

Matrix: Water

Date Received: 03/16/22 14:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E		1	384865	03/23/22 23:54	JCM	FGS SEA
Total/NA	Prep	3510C			384501	03/21/22 09:43	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	385175	03/25/22 22:49	E1L	FGS SEA

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Laboratory: Eurofins Seattle

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

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

Method Summary

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: AECOM
Project/Site: Red Hill NOI GW

Job ID: 580-111436-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-111436-1	ERH2807 (RHMW03)	Water	03/15/22 12:50	03/16/22 14:59
580-111436-2	ERH2803 (RHMW12A)	Water	03/15/22 13:10	03/16/22 14:59
580-111436-3	ERH2804 (RHMW12A)	Water	03/15/22 13:10	03/16/22 14:59
580-111436-4	ERH2818 (RHMW05)	Water	03/15/22 09:05	03/16/22 14:59
580-111436-5	ERH2814 (RHMW01R)	Water	03/15/22 10:20	03/16/22 14:59
580-111436-6	ERH2815 (RHMW01R)	Water	03/15/22 10:20	03/16/22 14:59
580-111436-7	ERH2775 (RHMW15-05)	Water	03/14/22 09:45	03/16/22 14:59
580-111436-8	ERH2800 (RHMW14-3)	Water	03/15/22 10:00	03/16/22 14:59
580-111436-9	ERH2821 (RHMW16)	Water	03/15/22 10:40	03/16/22 14:59

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384624Lab Sample ID: CCVIS 580-384624/3 Client Sample ID: _____Date Analyzed: 03/22/22 12:55 Lab File ID: 40Scan032222a004.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	5.53	Peak Tail	boylea	03/22/22 17:27
2,4,5-Trichlorophenol	6.58	Peak Tail	boylea	03/22/22 17:27
2,4-Dinitrophenol	7.22	Peak assignment corrected	limmere	03/22/22 13:30
Pentachlorophenol	8.22	Peak Tail	boylea	03/22/22 17:28

Lab Sample ID: MB 580-384314/1-A Client Sample ID: _____Date Analyzed: 03/22/22 18:12 Lab File ID: 40Scan032222a017.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,6-Dinitrotoluene		Invalid Compound ID	mohammedj	03/22/22 19:52
bis (2-chloroisopropyl) ether		Invalid Compound ID	mohammedj	03/22/22 19:52
Bis(2-chloroethyl) ether		Invalid Compound ID	mohammedj	03/22/22 19:52
Di-n-octyl phthalate		Invalid Compound ID	mohammedj	03/22/22 19:52
m+p-Cresol		Invalid Compound ID	mohammedj	03/22/22 19:52
N-Nitrosodimethylamine		Invalid Compound ID	mohammedj	03/22/22 19:52
o-Cresol		Invalid Compound ID	mohammedj	03/22/22 19:52
Phenol		Invalid Compound ID	mohammedj	03/22/22 19:52

Lab Sample ID: LCS 580-384314/2-A Client Sample ID: _____Date Analyzed: 03/22/22 18:36 Lab File ID: 40Scan032222a018.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol	7.22	Peak assignment corrected	mohammedj	03/22/22 19:53
4-Nitrophenol	7.31	Incomplete Integration	mohammedj	03/22/22 19:54

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384624Lab Sample ID: LCSD 580-384314/3-A Client Sample ID: _____Date Analyzed: 03/22/22 19:00 Lab File ID: 40Scan032222a019.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol	7.22	Incomplete Integration	mohammedj	03/22/22 19:55

Lab Sample ID: 580-111436-7 Client Sample ID: ERH2775 (RHMW15-05)Date Analyzed: 03/22/22 20:34 Lab File ID: 40Scan032222a023.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,6-Dinitrotoluene		Invalid Compound ID	limmere	03/23/22 16:00
2-Nitrophenol		Invalid Compound ID	limmere	03/23/22 16:00
4,6-Dinitro-2-methylphenol		Invalid Compound ID	limmere	03/23/22 16:00
Azobenzene		Invalid Compound ID	limmere	03/23/22 16:00
bis (2-chloroisopropyl) ether		Invalid Compound ID	limmere	03/23/22 16:00
Bis(2-chloroethoxy)methane		Invalid Compound ID	limmere	03/23/22 16:00
Di-n-octyl phthalate		Invalid Compound ID	limmere	03/23/22 16:01
N-Nitrosodiphenylamine		Invalid Compound ID	limmere	03/23/22 16:00
Phenol		Invalid Compound ID	limmere	03/23/22 16:00
Pyrene		Invalid Compound ID	limmere	03/23/22 16:01

Lab Sample ID: CCVC 580-384624/30 Client Sample ID: _____Date Analyzed: 03/22/22 23:41 Lab File ID: 40Scan032222a031.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.46	Peak assignment corrected	limmere	03/23/22 16:11
Benzyl alcohol	4.82	Baseline	limmere	03/23/22 16:11
2,4,5-Trichlorophenol	6.61	Baseline	limmere	03/23/22 16:11
2,4-Dinitrophenol	7.22	Baseline	limmere	03/23/22 16:11
4-Nitrophenol	7.36	Baseline	limmere	03/23/22 16:11
Benzofluoranthene	11.66	Baseline	limmere	03/23/22 16:12

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384789Lab Sample ID: CCVIS 580-384789/3 Client Sample ID: _____Date Analyzed: 03/23/22 03:18 Lab File ID: 40Scan032322x004.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.45	Peak assignment corrected	mohammedj	03/23/22 03:40
Benzyl alcohol	4.82	Incomplete Integration	mohammedj	03/23/22 04:32
Benzoic acid	5.55	Baseline	limmere	03/23/22 13:37
2,4,5-Trichlorophenol	6.61	Peak assignment corrected	mohammedj	03/23/22 03:40
2,4-Dinitrophenol	7.23	Peak assignment corrected	mohammedj	03/23/22 03:40
4-Nitrophenol	7.36	Peak assignment corrected	mohammedj	03/23/22 03:40
Benzidine	9.50	Baseline	limmere	03/23/22 13:37
3,3'-Dichlorobenzidine	10.56	Baseline	limmere	03/23/22 13:37

Lab Sample ID: MB 580-384501/1-A Client Sample ID: _____Date Analyzed: 03/23/22 05:13 Lab File ID: 40Scan032322x009.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,6-Dinitrotoluene		Invalid Compound ID	limmere	03/23/22 14:23
3,3'-Dichlorobenzidine		Invalid Compound ID	limmere	03/23/22 14:23
4-Chloro-3-methylphenol		Invalid Compound ID	limmere	03/23/22 14:23
Azobenzene		Invalid Compound ID	limmere	03/23/22 14:23
bis (2-chloroisopropyl) ether		Invalid Compound ID	limmere	03/23/22 14:23
Bis(2-chloroethyl) ether		Invalid Compound ID	limmere	03/23/22 14:23
Di-n-octyl phthalate		Invalid Compound ID	limmere	03/23/22 14:24
m+p-Cresol		Invalid Compound ID	limmere	03/23/22 14:23
Nitrobenzene		Invalid Compound ID	limmere	03/23/22 14:23
N-Nitrosodi-n-propylamine		Invalid Compound ID	limmere	03/23/22 14:23
Phenol		Invalid Compound ID	limmere	03/23/22 14:23
Pyridine		Invalid Compound ID	limmere	03/23/22 14:23

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384789Lab Sample ID: LCS 580-384501/2-A Client Sample ID: _____Date Analyzed: 03/23/22 05:37 Lab File ID: 40Scan032322x010.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.46	Baseline	limmere	03/23/22 14:25
2,4-Dimethylphenol	5.48	Baseline	limmere	03/23/22 14:25
2,4-Dinitrophenol	7.22	Baseline	limmere	03/23/22 14:26
4-Nitrophenol	7.36	Baseline	limmere	03/23/22 14:26

Lab Sample ID: LCSD 580-384501/3-A Client Sample ID: _____Date Analyzed: 03/23/22 06:00 Lab File ID: 40Scan032322x011.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.47	Baseline	limmere	03/23/22 14:28
2,4-Dinitrophenol	7.22	Baseline	limmere	03/23/22 14:28

Lab Sample ID: 580-111436-1 Client Sample ID: ERH2807 (RHMW03)Date Analyzed: 03/23/22 10:41 Lab File ID: 40Scan032322x023.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol-d5 (Surr)	4.45	Baseline	limmere	03/23/22 14:45
2,6-Dinitrotoluene		Invalid Compound ID	limmere	03/23/22 14:46
3,3'-Dichlorobenzidine		Invalid Compound ID	limmere	03/23/22 14:46
4-Chloro-3-methylphenol		Invalid Compound ID	limmere	03/23/22 14:45
Azobenzene		Invalid Compound ID	limmere	03/23/22 14:46
bis (2-chloroisopropyl) ether		Invalid Compound ID	limmere	03/23/22 14:45
Bis(2-chloroethoxy)methane		Invalid Compound ID	limmere	03/23/22 14:45
Di-n-octyl phthalate		Invalid Compound ID	limmere	03/23/22 14:46
m+p-Cresol		Invalid Compound ID	limmere	03/23/22 14:45
N-Nitrosodi-n-propylamine		Invalid Compound ID	limmere	03/23/22 14:45
o-Cresol		Invalid Compound ID	limmere	03/23/22 14:45
Phenol		Invalid Compound ID	limmere	03/23/22 14:45

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384789Lab Sample ID: CCVC 580-384789/23 Client Sample ID: _____Date Analyzed: 03/23/22 11:04 Lab File ID: 40Scan032322x024.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzyl alcohol	4.82	Baseline	limmere	03/23/22 14:47
Benzoic acid	5.55	Baseline	limmere	03/23/22 14:47
2,4-Dinitrophenol	7.22	Baseline	limmere	03/23/22 14:48

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384865Lab Sample ID: CCVIS 580-384865/3 Client Sample ID: _____Date Analyzed: 03/23/22 14:10 Lab File ID: 40Scan032322a007.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.45	Peak assignment corrected	thaneerat w	03/24/22 16:27
Benzyl alcohol	4.81	Incomplete Integration	thaneerat w	03/24/22 16:28
Benzoic acid	5.55	Incomplete Integration	thaneerat w	03/24/22 16:28
2,4-Dinitrophenol	7.22	Incomplete Integration	thaneerat w	03/24/22 16:29
4-Nitrophenol	7.35	Incomplete Integration	thaneerat w	03/24/22 16:29

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384865Lab Sample ID: 580-111436-2 Client Sample ID: ERH2803 (RHMW12A)Date Analyzed: 03/23/22 21:35 Lab File ID: 40Scan032322a026.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,4-Trichlorobenzene	5.68	Peak assignment corrected	thaneerat w	03/24/22 17:58
Diethyl phthalate	7.53	Invalid Compound ID	thaneerat w	03/24/22 17:59
1,4-Dichlorobenzene		Invalid Compound ID	thaneerat w	03/24/22 17:57
2,4-Dimethylphenol		Invalid Compound ID	thaneerat w	03/24/22 17:58
2,6-Dinitrotoluene		Invalid Compound ID	thaneerat w	03/24/22 17:59
2-Chlorophenol		Invalid Compound ID	thaneerat w	03/24/22 17:57
2-Nitrophenol		Invalid Compound ID	thaneerat w	03/24/22 17:58
3,3'-Dichlorobenzidine		Invalid Compound ID	thaneerat w	03/24/22 18:01
4-Chloro-3-methylphenol		Invalid Compound ID	thaneerat w	03/24/22 17:58
Azobenzene		Invalid Compound ID	thaneerat w	03/24/22 18:00
bis (2-chloroisopropyl) ether		Invalid Compound ID	thaneerat w	03/24/22 17:57
Bis(2-chloroethyl) ether		Invalid Compound ID	thaneerat w	03/24/22 17:57
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/24/22 18:02
m+p-Cresol		Invalid Compound ID	thaneerat w	03/24/22 17:58
N-Nitrosodi-n-propylamine		Invalid Compound ID	thaneerat w	03/24/22 17:58
o-Cresol		Invalid Compound ID	thaneerat w	03/24/22 17:57
Pyrene		Invalid Compound ID	thaneerat w	03/24/22 18:01

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384865Lab Sample ID: 580-111436-3 Client Sample ID: ERH2804 (RHMW12A)Date Analyzed: 03/23/22 21:58 Lab File ID: 40Scan032322a027.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dimethyl phthalate	6.95	Peak assignment corrected	thaneerat w	03/24/22 18:05
2,6-Dinitrotoluene		Invalid Compound ID	thaneerat w	03/24/22 18:05
3,3'-Dichlorobenzidine		Invalid Compound ID	thaneerat w	03/24/22 18:06
4-Chloro-3-methylphenol		Invalid Compound ID	thaneerat w	03/24/22 18:04
Azobenzene		Invalid Compound ID	thaneerat w	03/24/22 18:06
bis (2-chloroisopropyl) ether		Invalid Compound ID	thaneerat w	03/24/22 18:04
Bis(2-chloroethyl)ether		Invalid Compound ID	thaneerat w	03/24/22 18:03
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/24/22 18:06
m+p-Cresol		Invalid Compound ID	thaneerat w	03/24/22 18:04
N-Nitrosodi-n-propylamine		Invalid Compound ID	thaneerat w	03/24/22 18:04
o-Cresol		Invalid Compound ID	thaneerat w	03/24/22 18:04

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384865Lab Sample ID: 580-111436-4 Client Sample ID: ERH2818 (RHMW05)Date Analyzed: 03/23/22 22:22 Lab File ID: 40Scan032322a028.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.46	Invalid Compound ID	thaneerat w	03/24/22 18:08
Pyrene	9.55	Incomplete Integration	thaneerat w	03/24/22 18:10
2,4-Dimethylphenol		Invalid Compound ID	thaneerat w	03/24/22 18:08
2,6-Dinitrotoluene		Invalid Compound ID	thaneerat w	03/24/22 18:09
4-Chloro-3-methylphenol		Invalid Compound ID	thaneerat w	03/24/22 18:09
4-Nitrophenol		Invalid Compound ID	thaneerat w	03/24/22 18:10
bis (2-chloroisopropyl) ether		Invalid Compound ID	thaneerat w	03/24/22 18:08
Bis(2-chloroethoxy)methane		Invalid Compound ID	thaneerat w	03/24/22 18:08
Bis(2-chloroethyl) ether		Invalid Compound ID	thaneerat w	03/24/22 18:08
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/24/22 18:11
m+p-Cresol		Invalid Compound ID	thaneerat w	03/24/22 18:08
N-Nitrosodiphenylamine		Invalid Compound ID	thaneerat w	03/24/22 18:10
Bis(2-ethylhexyl) phthalate	10.62	Invalid Compound ID	thaneerat w	03/24/22 18:10

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384865Lab Sample ID: 580-111436-5 Client Sample ID: ERH2814 (RHMW01R)Date Analyzed: 03/23/22 22:45 Lab File ID: 40Scan032322a029.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachlorophenol	8.23	Incomplete Integration	thaneerat w	03/24/22 18:15
2,4-Dichlorophenol		Invalid Compound ID	thaneerat w	03/24/22 18:13
2,4-Dimethylphenol		Invalid Compound ID	thaneerat w	03/24/22 18:13
2,4-Dinitrotoluene		Invalid Compound ID	thaneerat w	03/24/22 18:14
2,6-Dinitrotoluene		Invalid Compound ID	thaneerat w	03/24/22 18:14
2-Chloronaphthalene		Invalid Compound ID	thaneerat w	03/24/22 18:14
2-Nitrophenol		Invalid Compound ID	thaneerat w	03/24/22 18:13
4,6-Dinitro-2-methylphenol		Invalid Compound ID	thaneerat w	03/24/22 18:14
4-Chloro-3-methylphenol		Invalid Compound ID	thaneerat w	03/24/22 18:14
4-Chlorophenyl phenyl ether		Invalid Compound ID	thaneerat w	03/24/22 18:14
4-Nitrophenol		Invalid Compound ID	thaneerat w	03/24/22 18:14
Azobenzene		Invalid Compound ID	thaneerat w	03/24/22 18:14
Bis(2-chloroethoxy)methane		Invalid Compound ID	thaneerat w	03/24/22 18:13
Bis(2-chloroethyl)ether		Invalid Compound ID	thaneerat w	03/24/22 18:12
Diethyl phthalate		Invalid Compound ID	thaneerat w	03/24/22 18:14
Dimethyl phthalate		Invalid Compound ID	thaneerat w	03/24/22 18:14
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/24/22 18:15

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384865

Lab Sample ID: 580-111436-5 Client Sample ID: ERH2814 (RHMW01R)

Date Analyzed: 03/23/22 22:45 Lab File ID: 40Scan032322a029.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene		Invalid Compound ID	thaneerat w	03/24/22 18:13
N-Nitrosodi-n-propylamine		Invalid Compound ID	thaneerat w	03/24/22 18:13
N-Nitrosodiphenylamine		Invalid Compound ID	thaneerat w	03/24/22 18:14
Pyrene		Invalid Compound ID	thaneerat w	03/24/22 18:15

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384865Lab Sample ID: 580-111436-6 Client Sample ID: ERH2815 (RHMW01R)Date Analyzed: 03/23/22 23:08 Lab File ID: 40Scan032322a030.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyrene	9.55	Invalid Compound ID	thaneerat w	03/24/22 18:21
2,4-Dichlorophenol		Invalid Compound ID	thaneerat w	03/24/22 18:19
2,4-Dimethylphenol		Invalid Compound ID	thaneerat w	03/24/22 18:18
2,4-Dinitrotoluene		Invalid Compound ID	thaneerat w	03/24/22 18:20
2,6-Dinitrotoluene		Invalid Compound ID	thaneerat w	03/24/22 18:19
2-Chloronaphthalene		Invalid Compound ID	thaneerat w	03/24/22 18:19
2-Nitrophenol		Invalid Compound ID	thaneerat w	03/24/22 18:18
4,6-Dinitro-2-methylphenol		Invalid Compound ID	thaneerat w	03/24/22 18:20
4-Chloro-3-methylphenol		Invalid Compound ID	thaneerat w	03/24/22 18:19
4-Chlorophenyl phenyl ether		Invalid Compound ID	thaneerat w	03/24/22 18:20
4-Nitrophenol		Invalid Compound ID	thaneerat w	03/24/22 18:20
Bis(2-chloroethoxy)methane		Invalid Compound ID	thaneerat w	03/24/22 18:18
Bis(2-chloroethyl)ether		Invalid Compound ID	thaneerat w	03/24/22 18:17
Diethyl phthalate		Invalid Compound ID	thaneerat w	03/24/22 18:20
Dimethyl phthalate		Invalid Compound ID	thaneerat w	03/24/22 18:19
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/24/22 18:21
Isophorone		Invalid Compound ID	thaneerat w	03/24/22 18:18

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384865

Lab Sample ID: 580-111436-6 Client Sample ID: ERH2815 (RHMW01R)

Date Analyzed: 03/23/22 23:08 Lab File ID: 40Scan032322a030.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene		Invalid Compound ID	thaneerat w	03/24/22 18:18
N-Nitrosodi-n-propylamine		Invalid Compound ID	thaneerat w	03/24/22 18:18

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384865Lab Sample ID: 580-111436-8 Client Sample ID: ERH2800 (RHMW14-3)Date Analyzed: 03/23/22 23:31 Lab File ID: 40Scan032322a031.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dimethylphenol		Invalid Compound ID	thaneerat w	03/24/22 18:22
2,6-Dinitrotoluene		Invalid Compound ID	thaneerat w	03/24/22 18:23
4,6-Dinitro-2-methylphenol		Invalid Compound ID	thaneerat w	03/24/22 18:23
4-Chloro-3-methylphenol		Invalid Compound ID	thaneerat w	03/24/22 18:23
Azobenzene		Invalid Compound ID	thaneerat w	03/24/22 18:23
bis (2-chloroisopropyl) ether		Invalid Compound ID	thaneerat w	03/24/22 18:22
Bis(2-chloroethyl)ether		Invalid Compound ID	thaneerat w	03/24/22 18:22
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/24/22 18:24
m+p-Cresol		Invalid Compound ID	thaneerat w	03/24/22 18:22
N-Nitrosodiphenylamine		Invalid Compound ID	thaneerat w	03/24/22 18:23
o-Cresol		Invalid Compound ID	thaneerat w	03/24/22 18:22
Phenol		Invalid Compound ID	thaneerat w	03/24/22 18:22
Pyrene		Invalid Compound ID	thaneerat w	03/24/22 18:24

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384865Lab Sample ID: 580-111436-9 Client Sample ID: ERH2821 (RHMW16)Date Analyzed: 03/23/22 23:54 Lab File ID: 40Scan032322a032.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,6-Dinitrotoluene		Invalid Compound ID	thaneerat w	03/24/22 18:26
4-Chloro-3-methylphenol		Invalid Compound ID	thaneerat w	03/24/22 18:26
Azobenzene		Invalid Compound ID	thaneerat w	03/24/22 18:27
Bis(2-chloroethyl)ether		Invalid Compound ID	thaneerat w	03/24/22 18:25
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/24/22 18:29
Hexachloroethane		Invalid Compound ID	thaneerat w	03/24/22 18:26
m+p-Cresol		Invalid Compound ID	thaneerat w	03/24/22 18:26
N-Nitrosodi-n-propylamine		Invalid Compound ID	thaneerat w	03/24/22 18:26
o-Cresol		Invalid Compound ID	thaneerat w	03/24/22 18:26
Phenol		Invalid Compound ID	thaneerat w	03/24/22 18:25
Pyrene		Invalid Compound ID	thaneerat w	03/24/22 18:28

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Analysis Batch Number: 384865Lab Sample ID: CCVC 580-384865/29 Client Sample ID: _____Date Analyzed: 03/24/22 00:17 Lab File ID: 40Scan032322a033.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	4.45	Peak assignment corrected	thaneerat w	03/24/22 18:30
Benzyl alcohol	4.82	Incomplete Integration	thaneerat w	03/24/22 18:31
Benzoic acid	5.54	Incomplete Integration	thaneerat w	03/24/22 18:31
2,4,5-Trichlorophenol	6.60	Incomplete Integration	thaneerat w	03/24/22 18:32
2,4-Dinitrophenol	7.22	Incomplete Integration	thaneerat w	03/24/22 18:32
4-Nitrophenol	7.34	Incomplete Integration	thaneerat w	03/24/22 18:33

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Analysis Batch Number: 385060Lab Sample ID: STD7 580-385060/10 IC Client Sample ID: _____Date Analyzed: 03/24/22 22:01 Lab File ID: 032422a023.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	7.64	Peak assignment corrected	limmere	03/25/22 12:54

Lab Sample ID: STD6 580-385060/11 IC Client Sample ID: _____Date Analyzed: 03/24/22 22:51 Lab File ID: 032422a025.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	7.64	Peak assignment corrected	limmere	03/25/22 12:54
Indeno[1,2,3-cd]pyrene	14.45	Baseline	limmere	03/25/22 12:55
Dibenz(a,h)anthracene	14.49	Peak assignment corrected	limmere	03/25/22 12:54

Lab Sample ID: STD5 580-385060/12 IC Client Sample ID: _____Date Analyzed: 03/24/22 23:40 Lab File ID: 032422a027.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	7.64	Baseline	limmere	03/25/22 12:55
2,4,6-Tribromophenol (Surr)	8.83	Baseline	limmere	03/25/22 12:55
Pentachlorophenol	9.25	Baseline	limmere	03/25/22 12:55
Indeno[1,2,3-cd]pyrene	14.45	Baseline	limmere	03/25/22 12:55
Dibenz(a,h)anthracene	14.49	Baseline	limmere	03/25/22 12:55

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Analysis Batch Number: 385060Lab Sample ID: STD4 580-385060/13 IC Client Sample ID: _____Date Analyzed: 03/25/22 00:29 Lab File ID: 032422a029.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	7.64	Baseline	limmere	03/25/22 12:56
2,4,6-Tribromophenol (Surr)	8.83	Baseline	limmere	03/25/22 12:56
Pentachlorophenol	9.26	Baseline	limmere	03/25/22 13:27
Benzo[k]fluoranthene	12.73	Baseline	limmere	03/25/22 12:56
Benzo[a]pyrene	13.07	Baseline	limmere	03/25/22 12:56
Indeno[1,2,3-cd]pyrene	14.45	Baseline	limmere	03/25/22 12:56
Dibenz(a,h)anthracene	14.49	Baseline	limmere	03/25/22 12:56
Benzo[g,h,i]perylene	14.78	Baseline	limmere	03/25/22 12:56

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Analysis Batch Number: 385060Lab Sample ID: STD3 580-385060/14 IC Client Sample ID: _____Date Analyzed: 03/25/22 01:19 Lab File ID: 032422a031.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.74	Baseline	limmere	03/25/22 12:57
2-Fluorobiphenyl	7.64	Baseline	limmere	03/25/22 12:57
Fluorene	8.64	Baseline	limmere	03/25/22 12:57
2,4,6-Tribromophenol (Surr)	8.84	Baseline	limmere	03/25/22 12:57
Pentachlorophenol	9.31	Baseline	limmere	03/25/22 12:57
Phenanthrene	9.42	Baseline	limmere	03/25/22 13:04
Anthracene	9.46	Peak assignment corrected	limmere	03/25/22 13:04
Fluoranthene-d10 (Surr)	10.38	Baseline	limmere	03/25/22 12:57
Fluoranthene	10.39	Baseline	limmere	03/25/22 13:04
Pyrene	10.58	Baseline	limmere	03/25/22 13:04
Terphenyl-d14	10.72	Baseline	limmere	03/25/22 12:57
Benzo[a]anthracene	11.59	Baseline	limmere	03/25/22 13:04
Chrysene	11.62	Baseline	limmere	03/25/22 13:04
Benzo[b]fluoranthene	12.70	Baseline	limmere	03/25/22 13:05
Benzo[k]fluoranthene	12.73	Baseline	limmere	03/25/22 13:05
Benzo[a]pyrene	13.07	Baseline	limmere	03/25/22 13:05
Indeno[1,2,3-cd]pyrene	14.45	Baseline	limmere	03/25/22 13:05
Dibenz(a,h)anthracene	14.50	Baseline	limmere	03/25/22 13:05
Benzo[g,h,i]perylene	14.78	Baseline	limmere	03/25/22 13:05

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Analysis Batch Number: 385060Lab Sample ID: STD2 580-385060/15 IC Client Sample ID: _____Date Analyzed: 03/25/22 02:08 Lab File ID: 032422a033.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.74	Baseline	limmere	03/25/22 13:08
2-Fluorobiphenyl	7.64	Baseline	limmere	03/25/22 13:08
Acenaphthylene	8.07	Baseline	limmere	03/25/22 13:08
Fluorene	8.64	Baseline	limmere	03/25/22 13:08
2,4,6-Tribromophenol (Surr)	8.84	Baseline	limmere	03/25/22 13:08
Phenanthrene	9.42	Baseline	limmere	03/25/22 13:08
Anthracene	9.46	Baseline	limmere	03/25/22 13:08
Fluoranthene-d10 (Surr)	10.38	Baseline	limmere	03/25/22 13:08
Fluoranthene	10.39	Baseline	limmere	03/25/22 13:08
Pyrene	10.58	Baseline	limmere	03/25/22 13:08
Terphenyl-d14	10.72	Baseline	limmere	03/25/22 13:08
Benzo[a]anthracene	11.59	Baseline	limmere	03/25/22 13:09
Chrysene	11.63	Baseline	limmere	03/25/22 13:09
Benzo[b]fluoranthene	12.70	Baseline	limmere	03/25/22 13:09
Benzo[k]fluoranthene	12.73	Baseline	limmere	03/25/22 13:09
Benzo[a]pyrene	13.07	Baseline	limmere	03/25/22 13:09
Indeno[1,2,3-cd]pyrene	14.46	Baseline	limmere	03/25/22 13:09
Dibenz(a,h)anthracene	14.50	Baseline	limmere	03/25/22 13:09
Benzo[g,h,i]perylene	14.78	Baseline	limmere	03/25/22 13:09

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Analysis Batch Number: 385060Lab Sample ID: STD1 580-385060/16 IC Client Sample ID: _____Date Analyzed: 03/25/22 02:32 Lab File ID: 032422a034.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.74	Baseline	limmere	03/25/22 13:17
2-methylnaphthalene-d10	7.30	Peak assignment corrected	limmere	03/25/22 13:16
2-Methylnaphthalene	7.33	Baseline	limmere	03/25/22 13:17
1-Methylnaphthalene	7.41	Baseline	limmere	03/25/22 13:17
2-Fluorobiphenyl	7.64	Baseline	limmere	03/25/22 13:17
Acenaphthylene	8.07	Baseline	limmere	03/25/22 13:17
Acenaphthene	8.21	Baseline	limmere	03/25/22 13:17
Fluorene	8.64	Baseline	limmere	03/25/22 13:17
Phenanthrene	9.42	Baseline	limmere	03/25/22 13:17
Anthracene	9.46	Baseline	limmere	03/25/22 13:17
Fluoranthene-d10 (Surr)	10.38	Baseline	limmere	03/25/22 13:17
Fluoranthene	10.39	Baseline	limmere	03/25/22 13:18
Pyrene	10.58	Baseline	limmere	03/25/22 13:18
Terphenyl-d14	10.72	Baseline	limmere	03/25/22 13:17
Benzo[a]anthracene	11.59	Baseline	limmere	03/25/22 13:18
Chrysene	11.62	Baseline	limmere	03/25/22 13:18
Benzo[b]fluoranthene	12.70	Baseline	limmere	03/25/22 13:18
Benzo[k]fluoranthene	12.73	Baseline	limmere	03/25/22 13:18
Benzo[a]pyrene	13.07	Baseline	limmere	03/25/22 13:18
Indeno[1,2,3-cd]pyrene	14.45	Baseline	limmere	03/25/22 13:18
Dibenz(a,h)anthracene	14.49	Baseline	limmere	03/25/22 13:18
Benzo[g,h,i]perylene	14.78	Baseline	limmere	03/25/22 13:18

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Analysis Batch Number: 385175Lab Sample ID: MB 580-384501/1-A Client Sample ID: _____Date Analyzed: 03/25/22 17:54 Lab File ID: 032522b009.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.74	Assign Peak	limwirojt	03/28/22 09:24
1-Methylnaphthalene	7.41	Assign Peak	limwirojt	03/28/22 09:24
Acenaphthylene	8.07	Assign Peak	limwirojt	03/28/22 09:24
Acenaphthene	8.21	Assign Peak	limwirojt	03/28/22 09:24
Fluorene	8.64	Assign Peak	limwirojt	03/28/22 09:24
Phenanthrene	9.42	Assign Peak	limwirojt	03/28/22 09:24
Anthracene	9.46	Assign Peak	limwirojt	03/28/22 09:24
Benzo[a]anthracene		Invalid Compound ID	limwirojt	03/28/22 09:25
Fluoranthene	10.39	Split Peak	limwirojt	03/28/22 09:24
Pyrene	10.57	Assign Peak	limwirojt	03/28/22 09:25
Chrysene	11.62	Assign Peak	limwirojt	03/28/22 09:25
Benzo[b]fluoranthene	12.70	Assign Peak	limwirojt	03/28/22 09:25
Benzo[k]fluoranthene	12.73	Assign Peak	limwirojt	03/28/22 09:25
Benzo[g,h,i]perylene	14.78	Assign Peak	limwirojt	03/28/22 09:25

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Analysis Batch Number: 385175Lab Sample ID: 580-111436-1 Client Sample ID: ERH2807 (RHMW03)Date Analyzed: 03/25/22 19:57 Lab File ID: 032522b014.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.74	Assign Peak	limwirojt	03/28/22 09:29
Acenaphthylene	8.07	Assign Peak	limwirojt	03/28/22 09:30
Acenaphthene	8.21	Assign Peak	limwirojt	03/28/22 09:30
Fluorene	8.64	Assign Peak	limwirojt	03/28/22 09:30
Phenanthrene	9.42	Baseline	limwirojt	03/28/22 09:30
Anthracene	9.46	Assign Peak	limwirojt	03/28/22 09:30
Fluoranthene	10.39	Assign Peak	limwirojt	03/28/22 09:30
Pyrene	10.57	Baseline	limwirojt	03/28/22 09:31
Benzo[a]anthracene	11.59	Assign Peak	limwirojt	03/28/22 09:31
Chrysene-d12	11.60	Baseline	limwirojt	03/28/22 09:29
Chrysene	11.62	Assign Peak	limwirojt	03/28/22 09:31
Benzo[b]fluoranthene	12.71	Assign Peak	limwirojt	03/28/22 09:31
Benzo[k]fluoranthene	12.73	Assign Peak	limwirojt	03/28/22 09:31
Benzo[a]pyrene	13.07	Assign Peak	limwirojt	03/28/22 09:31
Indeno[1,2,3-cd]pyrene	14.45	Assign Peak	limwirojt	03/28/22 09:31
Dibenz(a,h)anthracene	14.49	Assign Peak	limwirojt	03/28/22 09:31
Benzo[g,h,i]perylene	14.78	Assign Peak	limwirojt	03/28/22 09:31

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Analysis Batch Number: 385175Lab Sample ID: 580-111436-2 Client Sample ID: ERH2803 (RHMW12A)Date Analyzed: 03/25/22 20:21 Lab File ID: 032522b015.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.74	Assign Peak	limwirojt	03/28/22 09:58
Acenaphthylene	8.07	Assign Peak	limwirojt	03/28/22 09:58
Acenaphthene	8.21	Assign Peak	limwirojt	03/28/22 09:58
Fluorene	8.64	Assign Peak	limwirojt	03/28/22 09:59
Phenanthrene	9.42	Assign Peak	limwirojt	03/28/22 09:59
Anthracene	9.46	Assign Peak	limwirojt	03/28/22 09:59
Fluoranthene	10.39	Split Peak	limwirojt	03/28/22 09:59
Pyrene	10.57	Assign Peak	limwirojt	03/28/22 09:59
Benzo[a]anthracene	11.59	Assign Peak	limwirojt	03/28/22 09:59
Chrysene	11.62	Assign Peak	limwirojt	03/28/22 09:59
Benzo[b]fluoranthene	12.70	Assign Peak	limwirojt	03/28/22 10:00
Benzo[k]fluoranthene	12.73	Assign Peak	limwirojt	03/28/22 10:00
Benzo[a]pyrene	13.07	Assign Peak	limwirojt	03/28/22 10:00
Indeno[1,2,3-cd]pyrene	14.45	Assign Peak	limwirojt	03/28/22 10:00
Dibenz(a,h)anthracene	14.49	Assign Peak	limwirojt	03/28/22 10:00
Benzo[g,h,i]perylene	14.78	Assign Peak	limwirojt	03/28/22 10:00

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Analysis Batch Number: 385175Lab Sample ID: 580-111436-3 Client Sample ID: ERH2804 (RHMW12A)Date Analyzed: 03/25/22 20:46 Lab File ID: 032522b016.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.74	Peak assignment corrected	limwirojt	03/28/22 10:01
Acenaphthylene	8.07	Assign Peak	limwirojt	03/28/22 10:01
Acenaphthene	8.21	Assign Peak	limwirojt	03/28/22 10:01
Fluorene	8.64	Assign Peak	limwirojt	03/28/22 10:01
Phenanthrene	9.42	Assign Peak	limwirojt	03/28/22 10:01
Anthracene	9.46	Assign Peak	limwirojt	03/28/22 10:01
Benzo[a]anthracene		Invalid Compound ID	limwirojt	03/28/22 10:02
Fluoranthene	10.39	Split Peak	limwirojt	03/28/22 10:02
Pyrene	10.57	Assign Peak	limwirojt	03/28/22 10:02
Chrysene	11.62	Assign Peak	limwirojt	03/28/22 10:02
Benzo[b]fluoranthene	12.70	Assign Peak	limwirojt	03/28/22 10:02

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Analysis Batch Number: 385175Lab Sample ID: 580-111436-4 Client Sample ID: ERH2818 (RHMW05)Date Analyzed: 03/25/22 21:10 Lab File ID: 032522b017.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.74	Assign Peak	limwirojt	03/28/22 10:04
1-Methylnaphthalene	7.41	Baseline	limwirojt	03/28/22 10:04
Acenaphthylene	8.07	Assign Peak	limwirojt	03/28/22 10:04
Acenaphthene	8.21	Assign Peak	limwirojt	03/28/22 10:04
Fluorene	8.64	Assign Peak	limwirojt	03/28/22 10:05
Phenanthrene	9.42	Baseline	limwirojt	03/28/22 10:05
Anthracene	9.46	Assign Peak	limwirojt	03/28/22 10:05
Fluoranthene	10.39	Assign Peak	limwirojt	03/28/22 10:05
Pyrene	10.57	Assign Peak	limwirojt	03/28/22 10:05
Benzo[a]anthracene	11.59	Assign Peak	limwirojt	03/28/22 10:05
Chrysene	11.62	Assign Peak	limwirojt	03/28/22 10:06
Benzo[b]fluoranthene	12.71	Assign Peak	limwirojt	03/28/22 10:06
Benzo[k]fluoranthene	12.73	Assign Peak	limwirojt	03/28/22 10:06
Benzo[a]pyrene	13.07	Assign Peak	limwirojt	03/28/22 10:06
Indeno[1,2,3-cd]pyrene	14.45	Assign Peak	limwirojt	03/28/22 10:06
Benzo[g,h,i]perylene	14.78	Assign Peak	limwirojt	03/28/22 10:06

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Analysis Batch Number: 385175Lab Sample ID: 580-111436-5 Client Sample ID: _____Date Analyzed: 03/25/22 21:35 Lab File ID: 032522b018.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthene-d10	8.18	Baseline	limwirojt	03/28/22 10:07
Acenaphthene	8.21	Baseline	limwirojt	03/28/22 10:29
Phenanthrene-d10	9.40	Baseline	limwirojt	03/28/22 10:28
Acenaphthylene		Invalid Compound ID	limwirojt	03/28/22 10:29
Anthracene		Invalid Compound ID	limwirojt	03/28/22 10:29
Phenanthrene		Invalid Compound ID	limwirojt	03/28/22 10:29
Fluoranthene	10.39	Assign Peak	limwirojt	03/28/22 10:29
Pyrene	10.57	Assign Peak	limwirojt	03/28/22 10:30
Benzo[a]anthracene	11.59	Assign Peak	limwirojt	03/28/22 10:30
Chrysene	11.62	Assign Peak	limwirojt	03/28/22 10:30

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Analysis Batch Number: 385175Lab Sample ID: 580-111436-6 Client Sample ID: _____Date Analyzed: 03/25/22 22:00 Lab File ID: 032522b019.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthene-d10	8.18	Baseline	limwirojt	03/28/22 10:30
Acenaphthene	8.21	Baseline	limwirojt	03/28/22 10:32
Phenanthrene-d10	9.40	Baseline	limwirojt	03/28/22 10:31
Phenanthrene	9.42	Baseline	limwirojt	03/28/22 10:32
Acenaphthylene		Invalid Compound ID	limwirojt	03/28/22 10:32
Anthracene		Invalid Compound ID	limwirojt	03/28/22 10:32
Fluoranthene	10.39	Assign Peak	limwirojt	03/28/22 10:32
Pyrene	10.57	Assign Peak	limwirojt	03/28/22 10:32
Benzo[a]anthracene	11.59	Assign Peak	limwirojt	03/28/22 10:32
Chrysene	11.62	Assign Peak	limwirojt	03/28/22 10:32
Benzo[b]fluoranthene	12.70	Assign Peak	limwirojt	03/28/22 10:33
Benzo[k]fluoranthene	12.73	Assign Peak	limwirojt	03/28/22 10:33
Benzo[a]pyrene	13.07	Assign Peak	limwirojt	03/28/22 10:33
Indeno[1,2,3-cd]pyrene	14.45	Assign Peak	limwirojt	03/28/22 10:45
Dibenz(a,h)anthracene	14.49	Assign Peak	limwirojt	03/28/22 10:45
Benzo[g,h,i]perylene	14.78	Assign Peak	limwirojt	03/28/22 10:45

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Analysis Batch Number: 385175Lab Sample ID: 580-111436-8 Client Sample ID: ERH2800 (RHMW14-3)Date Analyzed: 03/25/22 22:24 Lab File ID: 032522b020.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.74	Assign Peak	limwirojt	03/28/22 10:46
2-Methylnaphthalene	7.33	Assign Peak	limwirojt	03/28/22 10:46
Phenanthrene	9.42	Assign Peak	limwirojt	03/28/22 10:46
Anthracene	9.46	Assign Peak	limwirojt	03/28/22 10:46
Benzo[k]fluoranthene		Invalid Compound ID	limwirojt	03/28/22 10:47
Fluoranthene	10.39	Assign Peak	limwirojt	03/28/22 10:47
Pyrene	10.57	Assign Peak	limwirojt	03/28/22 10:47
Benzo[a]anthracene	11.59	Assign Peak	limwirojt	03/28/22 10:47
Chrysene	11.62	Assign Peak	limwirojt	03/28/22 10:47
Benzo[b]fluoranthene	12.70	Assign Peak	limwirojt	03/28/22 10:47
Benzo[a]pyrene	13.07	Assign Peak	limwirojt	03/28/22 10:47
Indeno[1,2,3-cd]pyrene	14.45	Assign Peak	limwirojt	03/28/22 10:48
Benzo[g,h,i]perylene	14.78	Assign Peak	limwirojt	03/28/22 10:48

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Analysis Batch Number: 385175Lab Sample ID: 580-111436-9 Client Sample ID: ERH2821 (RHMW16)Date Analyzed: 03/25/22 22:49 Lab File ID: 032522b021.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.74	Assign Peak	limwirojt	03/28/22 10:48
2-Methylnaphthalene	7.33	Baseline	limwirojt	03/28/22 10:48
1-Methylnaphthalene	7.41	Assign Peak	limwirojt	03/28/22 10:48
Acenaphthylene	8.07	Assign Peak	limwirojt	03/28/22 10:48
Acenaphthene	8.21	Assign Peak	limwirojt	03/28/22 10:49
Phenanthrene	9.42	Assign Peak	limwirojt	03/28/22 10:49
Anthracene	9.46	Assign Peak	limwirojt	03/28/22 10:49
Benzo[a]anthracene		Invalid Compound ID	limwirojt	03/28/22 10:49
Chrysene		Invalid Compound ID	limwirojt	03/28/22 10:49
Fluorene		Invalid Compound ID	limwirojt	03/28/22 10:49
Fluoranthene	10.39	Split Peak	limwirojt	03/28/22 10:49
Pyrene	10.57	Assign Peak	limwirojt	03/28/22 10:49

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC050 Analysis Batch Number: 378263Lab Sample ID: STD13 580-378263/4 IC Client Sample ID: _____Date Analyzed: 01/14/22 01:16 Lab File ID: SIM011322b014.D GC Column: ZB-SV ID: 0.25 (mm)

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

Lab Sample ID: STD12 580-378263/5 IC Client Sample ID: _____Date Analyzed: 01/14/22 01:35 Lab File ID: SIM011322b015.D GC Column: ZB-SV ID: 0.25 (mm)

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

Lab Sample ID: STD11 580-378263/6 IC Client Sample ID: _____Date Analyzed: 01/14/22 01:54 Lab File ID: SIM011322b016.D GC Column: ZB-SV ID: 0.25 (mm)

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

Lab Sample ID: STD10 580-378263/7 IC Client Sample ID: _____Date Analyzed: 01/14/22 02:13 Lab File ID: SIM011322b017.D GC Column: ZB-SV ID: 0.25 (mm)

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC050 Analysis Batch Number: 378263Lab Sample ID: STD9IS 580-378263/8 IC Client Sample ID: _____Date Analyzed: 01/14/22 02:32 Lab File ID: SIM011322b018.D GC Column: ZB-SV ID: 0.25 (mm)

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

Lab Sample ID: STD8 580-378263/9 IC Client Sample ID: _____Date Analyzed: 01/14/22 02:51 Lab File ID: SIM011322b019.D GC Column: ZB-SV ID: 0.25 (mm)

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

Lab Sample ID: STD7 580-378263/10 IC Client Sample ID: _____Date Analyzed: 01/14/22 03:10 Lab File ID: SIM011322b020.D GC Column: ZB-SV ID: 0.25 (mm)

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC050 Analysis Batch Number: 378263Lab Sample ID: STD6 580-378263/11 IC Client Sample ID: _____Date Analyzed: 01/14/22 03:29 Lab File ID: SIM011322b021.D GC Column: ZB-SV ID: 0.25 (mm)

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

Lab Sample ID: STD5 580-378263/12 IC Client Sample ID: _____Date Analyzed: 01/14/22 03:48 Lab File ID: SIM011322b022.D GC Column: ZB-SV ID: 0.25 (mm)

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC050 Analysis Batch Number: 378263Lab Sample ID: STD4 580-378263/13 IC Client Sample ID: _____Date Analyzed: 01/14/22 04:07 Lab File ID: SIM011322b023.D GC Column: ZB-SV ID: 0.25 (mm)

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC050 Analysis Batch Number: 378263Lab Sample ID: STD3 580-378263/14 IC Client Sample ID: _____Date Analyzed: 01/14/22 04:26 Lab File ID: SIM011322b024.D GC Column: ZB-SV ID: 0.25 (mm)

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC050 Analysis Batch Number: 378263Lab Sample ID: STD2 580-378263/15 IC Client Sample ID: _____Date Analyzed: 01/14/22 04:45 Lab File ID: SIM011322b025.D GC Column: ZB-SV ID: 0.25 (mm)

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC050 Analysis Batch Number: 378263Lab Sample ID: STD1 580-378263/16 IC Client Sample ID: _____Date Analyzed: 01/14/22 05:04 Lab File ID: SIM011322b026.D GC Column: ZB-SV ID: 0.25 (mm)

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC050 Analysis Batch Number: 378263Lab Sample ID: ICV 580-378263/18 Client Sample ID: _____Date Analyzed: 01/14/22 05:42 Lab File ID: SIM011322b028.D GC Column: ZB-SV ID: 0.25 (mm)

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC050 Analysis Batch Number: 384521Lab Sample ID: CCVIS 580-384521/3 Client Sample ID: _____Date Analyzed: 03/21/22 10:58 Lab File ID: SIM032122a004.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	6.17	Peak assignment corrected	limmere	03/21/22 11:48
Bis(2-ethylhexyl) phthalate	11.86	Baseline	limmere	03/21/22 11:49
Indeno[1,2,3-cd]pyrene	14.91	Baseline	limmere	03/21/22 11:49
Dibenz(a,h)anthracene	14.96	Baseline	limmere	03/21/22 11:49

Lab Sample ID: MB 580-384314/1-A Client Sample ID: _____Date Analyzed: 03/21/22 12:29 Lab File ID: SIM032122a006.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.17	Assign Peak	limwirojt	03/22/22 08:57
2-Methylnaphthalene	5.82	Assign Peak	limwirojt	03/22/22 08:57
1-Methylnaphthalene	5.91	Assign Peak	limwirojt	03/22/22 08:57
Phenanthrene	8.33	Assign Peak	limwirojt	03/22/22 08:58
Acenaphthene		Invalid Compound ID	limwirojt	03/22/22 08:58
Fluoranthene		Invalid Compound ID	limwirojt	03/22/22 08:58
Pyrene		Invalid Compound ID	limwirojt	03/22/22 08:59

Lab Sample ID: LCS 580-384314/2-A Client Sample ID: _____Date Analyzed: 03/21/22 13:27 Lab File ID: SIM032122a009.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.91	Split Peak	limwirojt	03/22/22 09:03
Dibenz(a,h)anthracene	14.95	Split Peak	limwirojt	03/22/22 09:04

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC050 Analysis Batch Number: 384521Lab Sample ID: LCSD 580-384314/3-A Client Sample ID: _____Date Analyzed: 03/21/22 13:46 Lab File ID: SIM032122a010.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.91	Split Peak	limwirojt	03/22/22 09:05
Dibenz(a,h)anthracene	14.95	Split Peak	limwirojt	03/22/22 09:05

Lab Sample ID: 580-111436-7 Client Sample ID: ERH2775 (RHMW15-05)Date Analyzed: 03/21/22 16:39 Lab File ID: SIM032122a019.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.17	Assign Peak	limwirojt	03/22/22 09:21
2-Methylnaphthalene	5.82	Assign Peak	limwirojt	03/22/22 09:21
1-Methylnaphthalene	5.91	Assign Peak	limwirojt	03/22/22 09:21
Phenanthrene		Invalid Compound ID	limwirojt	03/22/22 09:21
Benzo[a]anthracene	10.99	Assign Peak	limwirojt	03/22/22 09:21
Chrysene	11.04	Assign Peak	limwirojt	03/22/22 09:21
Benzo[b]fluoranthene	12.45	Assign Peak	limwirojt	03/22/22 09:21
Benzo[k]fluoranthene	12.49	Assign Peak	limwirojt	03/22/22 09:22
Benzo[a]pyrene	12.96	Assign Peak	limwirojt	03/22/22 09:22
Indeno[1,2,3-cd]pyrene	14.93	Assign Peak	limwirojt	03/22/22 09:22
Dibenz(a,h)anthracene	14.97	Assign Peak	limwirojt	03/22/22 09:22
Benzo[g,h,i]perylene	15.42	Assign Peak	limwirojt	03/22/22 09:22

Lab Sample ID: CCVC 580-384521/19 Client Sample ID: _____Date Analyzed: 03/21/22 18:01 Lab File ID: SIM032122a020.D GC Column: ZB-SV ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	6.17	Assign Peak	limwirojt	03/22/22 09:37
Bis(2-ethylhexyl) phthalate	11.86	Assign Peak	limwirojt	03/22/22 09:38
Indeno[1,2,3-cd]pyrene	14.92	Split Peak	limwirojt	03/22/22 09:38
Dibenz(a,h)anthracene	14.97	Split Peak	limwirojt	03/22/22 09:38

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
8270ccv1_50_00037	06/07/22	08/14/21	DCM, Lot 266183	10 mL	8270_ic_stk_00060	5 uL	1-Methylnaphthalene	50 ug/L
							2-Methylnaphthalene	50 ug/L
							Acenaphthene	50 ug/L
							Acenaphthylene	50 ug/L
							Anthracene	50 ug/L
							Benzo[a]anthracene	50 ug/L
							Benzo[a]pyrene	50 ug/L
							Benzo[b]fluoranthene	50 ug/L
							Benzo[g,h,i]perylene	50 ug/L
							Benzo[k]fluoranthene	50 ug/L
							Chrysene	50 ug/L
							Dibenz(a,h)anthracene	50 ug/L
							Fluoranthene	50 ug/L
							Fluorene	50 ug/L
							Indeno[1,2,3-cd]pyrene	50 ug/L
							Naphthalene	50 ug/L
							Pentachlorophenol	100 ug/L
							Phenanthrene	50 ug/L
							Pyrene	50 ug/L
					2,4,6-Tribromophenol (Surr)	50 ug/L		
					2-Fluorobiphenyl	50 ug/L		
					2-methylnaphthalene-d10	50 ug/L		
					Fluoranthene-d10 (Surr)	50 ug/L		
Terphenyl-d14	50 ug/L							
					8270SIM_IS_00067	100 uL	1,4-Dichlorobenzene-d4	100 ug/L
							Acenaphthene-d10	100 ug/L
							Chrysene-d12	100 ug/L
							Naphthalene-d8	100 ug/L
							Perylene-d12	100 ug/L
							Phenanthrene-d10	100 ug/L
.8270_ic_stk_00060	06/07/22	06/07/21	DCM, Lot DCM CT#211	10 mL	8270Mega_1stk_00016	1 mL	1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Chrysene	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Fluoranthene	100 ug/mL
Fluorene	100 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Naphthalene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-methylnaphthalene-d10	100 ug/mL
							Fluoranthene-d10 (Surr)	100 ug/mL
							Terphenyl-d14	100 ug/mL
..8270Mega_1stk_00016	03/31/22		Restek, Lot A0164427			(Purchased Reagent)	1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771			(Purchased Reagent)	2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SIM_IS_00067	06/07/22	06/07/21	DCM, Lot CT#211	50 mL	8270ISstk_00007	250 uL	1,4-Dichlorobenzene-d4	10 ug/mL
							Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL
							Phenanthrene-d10	10 ug/mL
..8270ISstk_00007	09/30/24		Restek, Lot A0153348			(Purchased Reagent)	1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
8270ccv1_50_00039	03/31/22	11/09/21	DCM, Lot 266183	10 mL	8270_ic_stk_00062	5 uL	1-Methylnaphthalene	50 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	50 ug/L
							Acenaphthene	50 ug/L
							Acenaphthylene	50 ug/L
							Anthracene	50 ug/L
							Benzo[a]anthracene	50 ug/L
							Benzo[a]pyrene	50 ug/L
							Benzo[b]fluoranthene	50 ug/L
							Benzo[g,h,i]perylene	50 ug/L
							Benzo[k]fluoranthene	50 ug/L
							Bis(2-ethylhexyl) phthalate	50 ug/L
							Chrysene	50 ug/L
							Dibenz(a,h)anthracene	50 ug/L
							Fluoranthene	50 ug/L
							Fluorene	50 ug/L
							Indeno[1,2,3-cd]pyrene	50 ug/L
							Naphthalene	50 ug/L
							Pentachlorophenol	100 ug/L
							Phenanthrene	50 ug/L
							Pyrene	50 ug/L
							2,4,6-Tribromophenol (Surr)	50 ug/L
							2-Fluorobiphenyl	50 ug/L
2-methylnaphthalene-d10	50 ug/L							
Fluoranthene-d10 (Surr)	50 ug/L							
Terphenyl-d14	50 ug/L							
8270SIM_IS_00067					100 uL	Acenaphthene-d10	100 ug/L	
						Chrysene-d12	100 ug/L	
						Naphthalene-d8	100 ug/L	
						Perylene-d12	100 ug/L	
						Phenanthrene-d10	100 ug/L	
.8270_ic_stk_00062	03/31/22	09/15/21	DCM, Lot DCM CT#211	10 mL	8270Mega_1stk_00016	1 mL	1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Chrysene	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Naphthalene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					8270SSstkPhen_00004	0.2 mL	Pyrene	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-methylnaphthalene-d10	100 ug/mL
							Fluoranthene-d10 (Surr)	100 ug/mL
							Terphenyl-d14	100 ug/mL
..8270Mega_1stk_00016	03/31/22		Restek, Lot A0164427				(Purchased Reagent)	
							1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771				(Purchased Reagent)	
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SIM_IS_00067	06/07/22	06/07/21	DCM, Lot CT#211	50 mL	8270ISstk_00007	250 uL	Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL
							Phenanthrene-d10	10 ug/mL
..8270ISstk_00007	09/30/24		Restek, Lot A0153348				(Purchased Reagent)	
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
8270f1spk_00296	11/30/22	03/04/22	Acetone/DCM, Lot 236884/MeCl_CT201	50 mL	2356TCP_00005	1 mL	2,3,5,6-Tetrachlorophenol	20 ug/mL
					8270Mega_1stk_00018	1 mL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m+p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
.8270S#10_1stk_00018	12/31/22		Restek, Lot A0173787		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
.8270S#11_1stk_00013	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.8270S#9_1stk_00017	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
8270SIM_IS_00069	08/24/22	09/25/21	DCM, Lot CT#215	50 mL	8270ISstk_00007	250 uL	1,4-Dichlorobenzene-d4	10 ug/mL
							Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL
							Phenanthrene-d10	10 ug/mL
.8270ISstk_00007	09/30/24		Restek, Lot A0153348		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
8270SIM_IS_00070	02/10/23	02/10/22	DCM, Lot 21J2162003	50 mL	8270ISstk_00007	250 uL	1,4-Dichlorobenzene-d4	10 ug/mL
							Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL
							Phenanthrene-d10	10 ug/mL
.8270ISstk_00007	09/30/24		Restek, Lot A0153348		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
8270waterSurr_00119	12/29/22	03/11/22	Acetone/DCM, Lot 285502/CT#235	50 mL	8270Surr_Phen_00015	10 mL	1,4-Dioxane-d8	100 ug/mL
							2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							2-methylnaphthalene-d10	20 ug/mL
							Fluoranthene-d10 (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14	20 ug/mL
.8270Surr_Phen_00015	01/31/26		Phenova, Lot CL16338			(Purchased Reagent)	1,4-Dioxane-d8	500 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-methylnaphthalene-d10	100 ug/mL
							Fluoranthene-d10 (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14	100 ug/mL
ccv_8270_1000_00057	03/31/22	09/15/21	DCM, Lot MeC12_CT_00211	10 mL	8270_ic_stk_00062	100 uL	1-Methylnaphthalene	1000 ug/L
							2-Methylnaphthalene	1000 ug/L
							Acenaphthene	1000 ug/L
							Acenaphthylene	1000 ug/L
							Anthracene	1000 ug/L
							Benzo[a]anthracene	1000 ug/L
							Benzo[a]pyrene	1000 ug/L
							Benzo[b]fluoranthene	1000 ug/L
							Benzo[g,h,i]perylene	1000 ug/L
							Benzo[k]fluoranthene	1000 ug/L
							Bis(2-ethylhexyl) phthalate	1000 ug/L
							Chrysene	1000 ug/L
							Dibenz(a,h)anthracene	1000 ug/L
							Fluoranthene	1000 ug/L
							Fluorene	1000 ug/L
							Indeno[1,2,3-cd]pyrene	1000 ug/L
							Naphthalene	1000 ug/L
							Pentachlorophenol	2000 ug/L
							Phenanthrene	1000 ug/L
							Pyrene	1000 ug/L
							2,4,6-Tribromophenol (Surr)	1000 ug/L
							2-Fluorobiphenyl	1000 ug/L
							2-methylnaphthalene-d10	1000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration							
					Reagent ID	Volume Added									
							Fluoranthene-d10 (Surr)	1000 ug/L							
							Terphenyl-d14	1000 ug/L							
							8270SIM_IS_00068	100 uL	1,4-Dichlorobenzene-d4	100 ug/L					
									Acenaphthene-d10	100 ug/L					
									Chrysene-d12	100 ug/L					
									Naphthalene-d8	100 ug/L					
									Perylene-d12	100 ug/L					
.8270_ic_stk_00062	03/31/22	09/15/21	DCM, Lot DCM CT#211	10 mL	8270Mega_1stk_00016	1 mL	Phenanthrene-d10	100 ug/L							
							1-Methylnaphthalene	100 ug/mL							
							2-Methylnaphthalene	100 ug/mL							
							Acenaphthene	100 ug/mL							
							Acenaphthylene	100 ug/mL							
							Anthracene	100 ug/mL							
							Benzo[a]anthracene	100 ug/mL							
							Benzo[a]pyrene	100 ug/mL							
							Benzo[b]fluoranthene	100 ug/mL							
							Benzo[g,h,i]perylene	100 ug/mL							
							Benzo[k]fluoranthene	100 ug/mL							
							Bis(2-ethylhexyl) phthalate	100 ug/mL							
							Chrysene	100 ug/mL							
							Dibenz(a,h)anthracene	100 ug/mL							
							Fluoranthene	100 ug/mL							
							Fluorene	100 ug/mL							
							Indeno[1,2,3-cd]pyrene	100 ug/mL							
							Naphthalene	100 ug/mL							
							Pentachlorophenol	200 ug/mL							
							Phenanthrene	100 ug/mL							
							Pyrene	100 ug/mL							
							..8270Mega_1stk_00016	03/31/22		Restek, Lot A0164427				8270SSstkPhen_00004	0.2 mL
		2-Fluorobiphenyl	100 ug/mL												
		2-methylnaphthalene-d10	100 ug/mL												
		Fluoranthene-d10 (Surr)	100 ug/mL												
..8270Mega_1stk_00016	03/31/22		Restek, Lot A0164427				(Purchased Reagent)	100 ug/mL							
									1-Methylnaphthalene	1000 ug/mL					
									2-Methylnaphthalene	1000 ug/mL					
									Acenaphthene	1000 ug/mL					
									Acenaphthylene	1000 ug/mL					
									Anthracene	1000 ug/mL					
									Benzo[a]anthracene	1000 ug/mL					
									Benzo[a]pyrene	1000 ug/mL					
									Benzo[b]fluoranthene	1000 ug/mL					
									Benzo[g,h,i]perylene	1000 ug/mL					
									Benzo[k]fluoranthene	1000 ug/mL					
									Bis(2-ethylhexyl) phthalate	1000 ug/mL					
									Chrysene	1000 ug/mL					
									Dibenz(a,h)anthracene	1000 ug/mL					
		Fluoranthene	1000 ug/mL												
		Fluorene	1000 ug/mL												

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SIM_IS_00068	08/24/22	08/24/21	DCM, Lot CT#215	50 mL	8270ISstk_00007	250 uL	1,4-Dichlorobenzene-d4	10 ug/mL
							Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL
							Phenanthrene-d10	10 ug/mL
..8270ISstk_00007	09/30/24		Restek, Lot A0153348		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
ccv_8270_1000_00057	03/31/22	09/15/21	DCM, Lot MeCl2_CT_00211	10 mL	8270_ic_stk_00062	100 uL	1,2,4-Trichlorobenzene	1000 ug/L
							1,2-Dichlorobenzene	1000 ug/L
							1,3-Dichlorobenzene	1000 ug/L
							1,4-Dichlorobenzene	1000 ug/L
							2,4,5-Trichlorophenol	1000 ug/L
							2,4,6-Trichlorophenol	1000 ug/L
							2,4-Dichlorophenol	1000 ug/L
							2,4-Dimethylphenol	1000 ug/L
							2,4-Dinitrophenol	2000 ug/L
							2,4-Dinitrotoluene	1000 ug/L
							2,6-Dinitrotoluene	1000 ug/L
							2-Chloronaphthalene	1000 ug/L
							2-Chlorophenol	1000 ug/L
							2-Nitrophenol	1000 ug/L
							4,6-Dinitro-2-methylphenol	2000 ug/L
							4-Bromophenyl phenyl ether	1000 ug/L
							4-Chloro-3-methylphenol	1000 ug/L
							4-Chlorophenyl phenyl ether	1000 ug/L
							4-Nitrophenol	2000 ug/L
							Azobenzene	1000 ug/L
							bis (2-chloroisopropyl) ether	1000 ug/L
							Bis (2-chloroethoxy)methane	1000 ug/L
							Bis (2-chloroethyl) ether	1000 ug/L
							Butyl benzyl phthalate	1000 ug/L
							Di-n-butyl phthalate	1000 ug/L
							Di-n-octyl phthalate	1000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	1000 ug/L
							Dimethyl phthalate	1000 ug/L
							Hexachlorobenzene	1000 ug/L
							Hexachlorobutadiene	1000 ug/L
							Hexachlorocyclopentadiene	1000 ug/L
							Hexachloroethane	1000 ug/L
							Isophorone	1000 ug/L
							m+p-Cresol	1000 ug/L
							N-Nitrosodi-n-propylamine	1000 ug/L
							N-Nitrosodimethylamine	1000 ug/L
							N-Nitrosodiphenylamine	1000 ug/L
							Nitrobenzene	1000 ug/L
							o-Cresol	1000 ug/L
							Phenol	1000 ug/L
							Pyridine	2000 ug/L
							3,3'-Dichlorobenzidine	2000 ug/L
							2-Fluorophenol (Surr)	1000 ug/L
							Nitrobenzene-d5 (Surr)	1000 ug/L
							Phenol-d5 (Surr)	1000 ug/L
.8270_ic_stk_00062	03/31/22	09/15/21	DCM, Lot DCM CT#211	10 mL	8270Mega_1stk_00016	1 mL	1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Azobenzene	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis (2-chloroethoxy)methane	100 ug/mL
							Bis (2-chloroethyl) ether	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Hexachlorobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Isophorone	100 ug/mL
							m+p-Cresol	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Nitrobenzene	100 ug/mL
							o-Cresol	100 ug/mL
							Phenol	100 ug/mL
							Pyridine	200 ug/mL
					8270S#9 1stk 00015	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
					8270SSstkPhen_00004	0.2 mL	2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
..8270Mega_1stk_00016	03/31/22		Restek, Lot A0164427		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Azobenzene	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis (2-chloroethoxy)methane	1000 ug/mL
							Bis (2-chloroethyl) ether	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL

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Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	1000 ug/mL
							m+p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Phenol	1000 ug/mL
							Pyridine	2000 ug/mL
..8270S#9 1stk_00015	07/31/22		Restek, Lot A0167791			(Purchased Reagent)	3,3'-Dichlorobenzidine	2000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771			(Purchased Reagent)	2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
ccv_SIM_500_00084	06/07/22	06/07/21	DCM, Lot MeCl2_CT_00211	10 mL	8270_ic_stk_00060	50 uL	1-Methylnaphthalene	500 ug/L
							2-Methylnaphthalene	500 ug/L
							Acenaphthene	500 ug/L
							Acenaphthylene	500 ug/L
							Anthracene	500 ug/L
							Benzo[a]anthracene	500 ug/L
							Benzo[a]pyrene	500 ug/L
							Benzo[b]fluoranthene	500 ug/L
							Benzo[g,h,i]perylene	500 ug/L
							Benzo[k]fluoranthene	500 ug/L
							Chrysene	500 ug/L
							Dibenz(a,h)anthracene	500 ug/L
							Fluoranthene	500 ug/L
							Fluorene	500 ug/L
							Indeno[1,2,3-cd]pyrene	500 ug/L
							Naphthalene	500 ug/L
							Pentachlorophenol	1000 ug/L
							Phenanthrene	500 ug/L
							Pyrene	500 ug/L
							2,4,6-Tribromophenol (Surr)	500 ug/L
							2-Fluorobiphenyl	500 ug/L
							2-methylnaphthalene-d10	500 ug/L
							Fluoranthene-d10 (Surr)	500 ug/L
							Terphenyl-d14	500 ug/L
					8270SIM_IS_00067	100 uL	1,4-Dichlorobenzene-d4	100 ug/L
							Acenaphthene-d10	100 ug/L
							Chrysene-d12	100 ug/L
							Naphthalene-d8	100 ug/L
							Perylene-d12	100 ug/L
							Phenanthrene-d10	100 ug/L
.8270_ic_stk_00060	06/07/22	06/07/21	DCM, Lot DCM CT#211	10 mL	8270Mega_1stk_00016	1 mL	1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL

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Lab Name: Eurofins Seattle

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Chrysene	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Naphthalene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-methylnaphthalene-d10	100 ug/mL
							Fluoranthene-d10 (Surr)	100 ug/mL
							Terphenyl-d14	100 ug/mL
..8270Mega_1stk_00016	03/31/22		Restek, Lot A0164427			(Purchased Reagent)	1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771			(Purchased Reagent)	2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SIM_IS_00067	06/07/22	06/07/21	DCM, Lot CT#211	50 mL	8270ISstk_00007	250 uL	1,4-Dichlorobenzene-d4	10 ug/mL
							Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration							
					Reagent ID	Volume Added									
..8270ISstk_00007	09/30/24		Restek, Lot A0153348			(Purchased Reagent)	Perylene-d12	10 ug/mL							
							Phenanthrene-d10	10 ug/mL							
							1,4-Dichlorobenzene-d4	2000 ug/mL							
							Acenaphthene-d10	2000 ug/mL							
							Chrysene-d12	2000 ug/mL							
							Naphthalene-d8	2000 ug/mL							
							Phenanthrene-d10	2000 ug/mL							
ccv_SIM_500_00086	03/31/22	11/09/21	DCM, Lot MeC12_CT_00211	10 mL	8270_ic_stk_00062	50 uL	1-Methylnaphthalene	500 ug/L							
							2-Methylnaphthalene	500 ug/L							
							Acenaphthene	500 ug/L							
							Acenaphthylene	500 ug/L							
							Anthracene	500 ug/L							
							Benzo[a]anthracene	500 ug/L							
							Benzo[a]pyrene	500 ug/L							
							Benzo[b]fluoranthene	500 ug/L							
							Benzo[g,h,i]perylene	500 ug/L							
							Benzo[k]fluoranthene	500 ug/L							
							Bis(2-ethylhexyl) phthalate	500 ug/L							
							Chrysene	500 ug/L							
							Dibenz(a,h)anthracene	500 ug/L							
							Fluoranthene	500 ug/L							
							Fluorene	500 ug/L							
							Indeno[1,2,3-cd]pyrene	500 ug/L							
							Naphthalene	500 ug/L							
							Pentachlorophenol	1000 ug/L							
							Phenanthrene	500 ug/L							
							Pyrene	500 ug/L							
							2,4,6-Tribromophenol (Surr)	500 ug/L							
							2-Fluorobiphenyl	500 ug/L							
							2-methylnaphthalene-d10	500 ug/L							
							Fluoranthene-d10 (Surr)	500 ug/L							
							Terphenyl-d14	500 ug/L							
							.8270_ic_stk_00062	03/31/22	09/15/21	DCM, Lot DCM CT#211	10 mL	8270Mega_1stk_00016	1 mL	1,4-Dichlorobenzene-d4	100 ug/L
														Acenaphthene-d10	100 ug/L
Chrysene-d12	100 ug/L														
Naphthalene-d8	100 ug/L														
Perylene-d12	100 ug/L														
Phenanthrene-d10	100 ug/L														
1-Methylnaphthalene	100 ug/mL														
2-Methylnaphthalene	100 ug/mL														
Acenaphthene	100 ug/mL														
Acenaphthylene	100 ug/mL														
Anthracene	100 ug/mL														
Benzo[a]anthracene	100 ug/mL														
Benzo[a]pyrene	100 ug/mL														
Benzo[b]fluoranthene	100 ug/mL														

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Chrysene	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Naphthalene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-methylnaphthalene-d10	100 ug/mL
							Fluoranthene-d10 (Surr)	100 ug/mL
							Terphenyl-d14	100 ug/mL
..8270Mega_1stk_00016	03/31/22		Restek, Lot A0164427				1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771				2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SIM_IS_00069	08/24/22	09/25/21	DCM, Lot CT#215	50 mL	8270ISstk_00007	250 uL	1,4-Dichlorobenzene-d4	10 ug/mL
							Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL
							Phenanthrene-d10	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration		
					Reagent ID	Volume Added				
..8270ISstk_00007	09/30/24		Restek, Lot A0153348			(Purchased Reagent)	1,4-Dichlorobenzene-d4	2000 ug/mL		
							Acenaphthene-d10	2000 ug/mL		
							Chrysene-d12	2000 ug/mL		
							Naphthalene-d8	2000 ug/mL		
							Perylene-d12	2000 ug/mL		
Phenanthrene-d10	2000 ug/mL									
DFTPPx2_00044							4,4'-DDD			
							4,4'-DDE			
							Tentatively Identified Compound			
							TPAH			
							DFTPPSTK_00014	200 uL	4,4'-DDT	20 ug/mL
									Benzidine_T	20 ug/mL
.DFTPPSTK_00014	08/31/22		Restek, Lot A0151587			(Purchased Reagent)	4,4'-DDT	1000 ug/mL		
							Benzidine_T	1000 ug/mL		
							DFTPP	1000 ug/mL		
							Pentachlorophenol_T	1000 ug/mL		
icv_8270_1000_00012	06/07/22	06/07/21	DCM, Lot CT_211	10 mL	8270SIM_IS_00067	100 uL	1,4-Dichlorobenzene-d4	100 ug/L		
							Acenaphthene-d10	100 ug/L		
							Chrysene-d12	100 ug/L		
							Naphthalene-d8	100 ug/L		
							Perylene-d12	100 ug/L		
							Phenanthrene-d10	100 ug/L		
.8270SIM_IS_00067	06/07/22	06/07/21	DCM, Lot CT#211	50 mL	8270ISstk_00007	250 uL	1,4-Dichlorobenzene-d4	10 ug/mL		
							Acenaphthene-d10	10 ug/mL		
							Chrysene-d12	10 ug/mL		
							Naphthalene-d8	10 ug/mL		
							Perylene-d12	10 ug/mL		
							Phenanthrene-d10	10 ug/mL		
..8270ISstk_00007	09/30/24		Restek, Lot A0153348			(Purchased Reagent)	1,4-Dichlorobenzene-d4	2000 ug/mL		
							Acenaphthene-d10	2000 ug/mL		
							Chrysene-d12	2000 ug/mL		
							Naphthalene-d8	2000 ug/mL		
							Perylene-d12	2000 ug/mL		
							Phenanthrene-d10	2000 ug/mL		
icv_8270_1000_00012	06/07/22	06/07/21	DCM, Lot CT_211	10 mL	8270_IC_STK_00061	100 uL	1-Methylnaphthalene	1000 ug/L		
							2-Methylnaphthalene	1000 ug/L		
							Acenaphthene	1000 ug/L		
							Acenaphthylene	1000 ug/L		
							Anthracene	1000 ug/L		
							Benzo[a]anthracene	1000 ug/L		
							Benzo[a]pyrene	1000 ug/L		
							Benzo[b]fluoranthene	1000 ug/L		
							Benzo[g,h,i]perylene	1000 ug/L		
							Benzo[k]fluoranthene	1000 ug/L		

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	1000 ug/L
							Dibenz(a,h)anthracene	1000 ug/L
							Fluoranthene	1000 ug/L
							Fluorene	1000 ug/L
							Indeno[1,2,3-cd]pyrene	1000 ug/L
							Naphthalene	1000 ug/L
							Phenanthrene	1000 ug/L
							Pyrene	1000 ug/L
							2,4,6-Tribromophenol (Surr)	1000 ug/L
							2-Fluorobiphenyl	1000 ug/L
							2-methylnaphthalene-d10	1000 ug/L
							Fluoranthene-d10 (Surr)	1000 ug/L
							Terphenyl-d14	1000 ug/L
.8270_IC_STK_00061	09/30/21	06/07/21	DCM, Lot CT#211	10 mL	8270L1S1-S_00009	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100000 ug/L
							2-Fluorobiphenyl	100000 ug/L
							2-methylnaphthalene-d10	100000 ug/L
							Fluoranthene-d10 (Surr)	100000 ug/L
							Terphenyl-d14	100000 ug/L
..8270L1S1-S_00009	09/30/21		Restek, Lot A0159459		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771			(Purchased Reagent)	2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
icv_8270_1000_00014	01/26/22	10/05/21	DCM, Lot CT_211	10 mL	8270_IC_STK_00065	100 uL	1-Methylnaphthalene	1000 ug/L
							2-Methylnaphthalene	1000 ug/L
							Acenaphthene	1000 ug/L
							Acenaphthylene	1000 ug/L
							Anthracene	1000 ug/L
							Benzo[a]anthracene	1000 ug/L
							Benzo[a]pyrene	1000 ug/L
							Benzo[b]fluoranthene	1000 ug/L
							Benzo[g,h,i]perylene	1000 ug/L
							Benzo[k]fluoranthene	1000 ug/L
							Chrysene	1000 ug/L
							Dibenz(a,h)anthracene	1000 ug/L
							Fluoranthene	1000 ug/L
							Fluorene	1000 ug/L
							Indeno[1,2,3-cd]pyrene	1000 ug/L
							Naphthalene	1000 ug/L
							Phenanthrene	1000 ug/L
							Pyrene	1000 ug/L
							2,4,6-Tribromophenol (Surr)	1000 ug/L
							2-Fluorobiphenyl	1000 ug/L
							2-methylnaphthalene-d10	1000 ug/L
							Fluoranthene-d10 (Surr)	1000 ug/L
							Terphenyl-d14	1000 ug/L
.8270_IC_STK_00065	01/26/22	10/05/21	DCM, Lot CT#211	10 mL	8270L1S1-S_00011	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100000 ug/L
							2-Fluorobiphenyl	100000 ug/L
							2-methylnaphthalene-d10	100000 ug/L
							Fluoranthene-d10 (Surr)	100000 ug/L
							Terphenyl-d14	100000 ug/L
..8270L1S1-S_00011	05/28/22		Restek, Lot A0159459			(Purchased Reagent)	1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771			(Purchased Reagent)	2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL

Reagent

2356TCP_00005



Reference Materials Producer
Cert #2495.01

SPEXertificate®

Certificate of Reference Material



Chemical Testing
Cert #2495.02

Catalog Number: S-3410

Lot No. AA210304019

Description: 2,3,5,6-Tetrachlorophenol

Ship Date: November 2, 2021

Matrix: Methanol

Expiration Date: November 1, 2024

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

Certified Compounds:

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

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

Final Solution Verification:

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

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

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

Date of Certification: November 2, 2021

Certifying Officer: Shannon Macieira
Shannon Macieira, Operations Manager

Reagent

8270f1spk_00296

Preliminary Report

Eurofins TestAmerica, Seattle
CCV, Cal Verification Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20200820-72434.b\820A06.D
 Lims ID: 8270flspk_00269
 Client ID:
 Sample Type: CCV
 Inject. Date: 20-Aug-2020 14:09:30 ALS Bottle#: 6 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 8270FLSPK_00269
 Misc. Info.: 20X
 Operator ID: jkm Instrument ID: TAC051
 Sublist: chrom-8270 TAC051*sub32
 Method: \\chromfs\Seattle\ChromData\TAC051\20200820-72434.b\8270 TAC051.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 20-Aug-2020 15:21:54 Calib Date: 31-Jul-2020 22:24:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20200731-72074.b\0731B14.D

Column 1 : Det: MS SCAN
 Process Host: CTX1001

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

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

Preliminary Report

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

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

Preliminary Report

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

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

(I) Fails an Initial Calibration Test

Reagent

8270ISstk_00007



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

Handling: Sonication required. Mix is photosensitive.



2529280
ID: 8270ISstk_00007
Exp: 09/30/24 Pppl: E1L
8270 Internal standard st

CERTIFIED VALUES

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

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

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

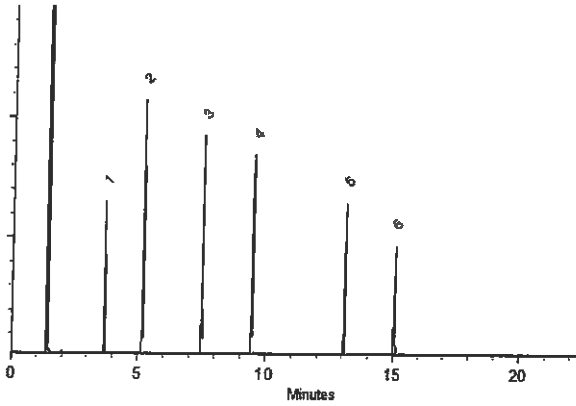
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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

Cathleen Soltis

Cathleen Soltis - Mix Technician

Date Mixed: 26-Sep-2019

Balance: B442140311

Justin Albertson

Justin Albertson - Operations Tech-ARM GC

Date Passed: 01-Oct-2019

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

Reagent

8270L1S1-S_00009

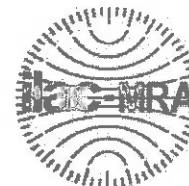


CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 571995.SEC Lot No.: A0159459

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



0001470
ID: 20701515_00000
Exp: 09/30/21 Peps, JKS
8270 List 1 / Std#1 MegaM

Container Size : 10 mL Pkg Amt: > 5 mL

Expiration Date : September 30, 2021 Storage: 0°C or colder

Handling: Carcinogen/reproductive toxin, Photosensitive, Sonicate.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	1,4-Dioxane	1,003.4 µg/mL (Lot 8CALO)	+/-	5.8473	µg/mL	Gravimetric
	CAS # 123-91-1.SEC		+/-	12.0013	µg/mL	Unstressed
	Purity 99%		+/-	19.0935	µg/mL	Stressed
2	N-Nitrosodimethylamine	1,004.2 µg/mL (Lot 71L89)	+/-	5.8520	µg/mL	Gravimetric
	CAS # 62-75-9.SEC		+/-	12.0108	µg/mL	Unstressed
	Purity 99%		+/-	19.1087	µg/mL	Stressed
3	Pyridine	2,002.8 µg/mL (Lot QN8DK)	+/-	11.6445	µg/mL	Gravimetric
	CAS # 110-86-1.SEC		+/-	23.9416	µg/mL	Unstressed
	Purity 99%		+/-	38.1027	µg/mL	Stressed
4	Phenol	1,002.4 µg/mL (Lot EDPYN)	+/-	5.8415	µg/mL	Gravimetric
	CAS # 108-95-2.SEC		+/-	11.9893	µg/mL	Unstressed
	Purity 99%		+/-	19.0745	µg/mL	Stressed
5	Aniline	1,007.0 µg/mL (Lot ZCD3N)	+/-	5.8683	µg/mL	Gravimetric
	CAS # 62-53-3.SEC		+/-	12.0443	µg/mL	Unstressed
	Purity 99%		+/-	19.1620	µg/mL	Stressed
6	Bis(2-chloroethyl)ether	1,002.6 µg/mL (Lot FA010143)	+/-	5.8427	µg/mL	Gravimetric
	CAS # 111-44-4.SEC		+/-	11.9917	µg/mL	Unstressed
	Purity 99%		+/-	19.0783	µg/mL	Stressed
7	n-Decane (C10)	1,005.2 µg/mL (Lot UCVNN)	+/-	5.8578	µg/mL	Gravimetric
	CAS # 124-18-5.SEC		+/-	12.0228	µg/mL	Unstressed
	Purity 99%		+/-	19.1278	µg/mL	Stressed

8	2-Chlorophenol CAS # 95-57-8.SEC Purity 99%	(Lot GJ01)	1,003.0 µg/mL	+/- 5.8450 +/- 11.9965 +/- 19.0859	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	1,3-Dichlorobenzene CAS # 541-73-1.SEC Purity 99%	(Lot FMDFD)	1,003.2 µg/mL	+/- 5.8462 +/- 11.9989 +/- 19.0897	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	1,4-Dichlorobenzene CAS # 106-46-7.SEC Purity 99%	(Lot 4Y5DC)	1,002.4 µg/mL	+/- 5.8415 +/- 11.9893 +/- 19.0745	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Benzyl alcohol CAS # 100-51-6.SEC Purity 99%	(Lot QZBUO)	1,001.0 µg/mL	+/- 5.8333 +/- 11.9726 +/- 19.0478	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	1,2-Dichlorobenzene CAS # 95-50-1.SEC Purity 99%	(Lot R6QDM)	1,005.8 µg/mL	+/- 5.8613 +/- 12.0300 +/- 19.1392	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	2-Methylphenol (o-cresol) CAS # 95-48-7.SEC Purity 99%	(Lot NC7HL)	1,004.4 µg/mL	+/- 5.8532 +/- 12.0132 +/- 19.1125	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	2,2'-oxybis(1-chloropropane) CAS # 108-60-1.SEC Purity 99%	(Lot 2-KMW-57-8)	1,003.6 µg/mL	+/- 5.8485 +/- 12.0037 +/- 19.0973	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	Acetophenone CAS # 98-86-2.SEC Purity 99%	(Lot NSGTT)	1,002.0 µg/mL	+/- 5.8392 +/- 11.9845 +/- 19.0669	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	3-Methylphenol (m-cresol) CAS # 108-39-4.SEC Purity 99%	(Lot 6LHTM)	500.8 µg/mL	+/- 2.9184 +/- 5.9899 +/- 9.5296	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	4-Methylphenol (p-cresol) CAS # 106-44-5.SEC Purity 99%	(Lot 65S2E)	502.4 µg/mL	+/- 2.9277 +/- 6.0090 +/- 9.5601	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	N-Nitroso-di-n-propylamine CAS # 621-64-7.SEC Purity 99%	(Lot 9566100)	1,002.4 µg/mL	+/- 5.8415 +/- 11.9893 +/- 19.0745	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Hexachloroethane CAS # 67-72-1.SEC Purity 99%	(Lot 10173016)	1,003.6 µg/mL	+/- 5.8485 +/- 12.0037 +/- 19.0973	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Nitrobenzene CAS # 98-95-3.SEC Purity 99%	(Lot FLYIG)	1,004.6 µg/mL	+/- 5.8543 +/- 12.0156 +/- 19.1164	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	Isophorone CAS # 78-59-1.SEC Purity 99%	(Lot XHGJI)	1,001.8 µg/mL	+/- 5.8380 +/- 11.9821 +/- 19.0631	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	2-Nitrophenol CAS # 88-75-5.SEC Purity 99%	(Lot GXJ7J)	1,000.4 µg/mL	+/- 5.8299 +/- 11.9654 +/- 19.0364	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	2,4-Dimethylphenol CAS # 105-67-9.SEC Purity 99%	(Lot MKBL3650V)	1,005.0 µg/mL	+/- 5.8567 +/- 12.0204 +/- 19.1240	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	Bis(2-chloroethoxy)methane CAS # 111-91-1 * Purity 99%	(Lot 8238500)	1,002.8	µg/mL	+/- 5.8438 +/- 11.9941 +/- 19.0821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	2,4-Dichlorophenol CAS # 120-83-2.SEC Purity 99%	(Lot FHM01)	1,003.6	µg/mL	+/- 5.8485 +/- 12.0037 +/- 19.0973	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,2,4-Trichlorobenzene CAS # 120-82-1.SEC Purity 99%	(Lot 3LYYC)	1,001.8	µg/mL	+/- 5.8380 +/- 11.9821 +/- 19.0631	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	Naphthalene CAS # 91-20-3.SEC Purity 99%	(Lot SKZ5N)	1,004.0	µg/mL	+/- 5.8508 +/- 12.0084 +/- 19.1049	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	2,6-Dichlorophenol CAS # 87-65-0.SEC Purity 99%	(Lot SIDBB)	1,000.4	µg/mL	+/- 5.8299 +/- 11.9654 +/- 19.0364	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	4-Chloroaniline CAS # 106-47-8.SEC Purity 99%	(Lot 10171860)	1,005.2	µg/mL	+/- 5.8578 +/- 12.0228 +/- 19.1278	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	Hexachlorobutadiene CAS # 87-68-3.SEC Purity 97%	(Lot 8290900)	1,003.8	µg/mL	+/- 5.8494 +/- 12.0055 +/- 19.1003	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	4-Chloro-3-methylphenol CAS # 59-50-7.SEC Purity 99%	(Lot FDO02)	1,000.6	µg/mL	+/- 5.8310 +/- 11.9678 +/- 19.0402	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	2-Methylnaphthalene CAS # 91-57-6.SEC Purity 99%	(Lot 76023-1)	1,004.4	µg/mL	+/- 5.8532 +/- 12.0132 +/- 19.1125	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	1-Methylnaphthalene CAS # 90-12-0.SEC Purity 99%	(Lot OEE3F)	1,004.4	µg/mL	+/- 5.8532 +/- 12.0132 +/- 19.1125	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	1,2,4,5-Tetrachlorobenzene CAS # 95-94-3.SEC Purity 99%	(Lot AF02)	1,004.4	µg/mL	+/- 5.8532 +/- 12.0132 +/- 19.1125	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	Hexachlorocyclopentadiene CAS # 77-47-4.SEC Purity 99%	(Lot 9707900)	1,001.6	µg/mL	+/- 5.8368 +/- 11.9797 +/- 19.0593	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	2,4,6-Trichlorophenol CAS # 88-06-2.SEC Purity 98%	(Lot UUMYM)	1,009.0	µg/mL	+/- 5.8800 +/- 12.0683 +/- 19.2002	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	2,4,5-Trichlorophenol CAS # 95-95-4.SEC Purity 99%	(Lot MKBQ9937V)	1,004.4	µg/mL	+/- 5.8532 +/- 12.0132 +/- 19.1125	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
38	2-Chloronaphthalene CAS # 91-58-7.SEC Purity 99%	(Lot 6984000)	1,001.0	µg/mL	+/- 5.8333 +/- 11.9726 +/- 19.0478	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
39	Biphenyl CAS # 92-52-4.SEC Purity 99%	(Lot 33OQE)	1,000.4	µg/mL	+/- 5.8299 +/- 11.9654 +/- 19.0364	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

40	2-Nitroaniline CAS # 88-74-4.SEC Purity 99%	(Lot T6E7B)	1,000.2 µg/mL	+/- 5.8287 +/- 11.9630 +/- 19.0326	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
41	Acenaphthylene CAS # 208-96-8.SEC Purity 96%	(Lot 0012014)	1,000.7 µg/mL	+/- 5.8316 +/- 11.9690 +/- 19.0422	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
42	1,3-Dinitrobenzene CAS # 99-65-0.SEC Purity 99%	(Lot 3XXLB)	1,001.0 µg/mL	+/- 5.8333 +/- 11.9726 +/- 19.0478	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
43	Dimethylphthalate CAS # 131-11-3.SEC Purity 99%	(Lot 483WC)	1,000.0 µg/mL	+/- 5.8275 +/- 11.9606 +/- 19.0288	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
44	2,6-Dinitrotoluene CAS # 606-20-2.SEC Purity 99%	(Lot GE01)	1,002.8 µg/mL	+/- 5.8438 +/- 11.9941 +/- 19.0821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
45	3-Nitroaniline CAS # 99-09-2.SEC Purity 99%	(Lot FGN03)	1,003.0 µg/mL	+/- 5.8450 +/- 11.9965 +/- 19.0859	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
46	Acenaphthene CAS # 83-32-9.SEC Purity 99%	(Lot BWZJE)	1,002.2 µg/mL	+/- 5.8403 +/- 11.9869 +/- 19.0707	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
47	2,4-Dinitrophenol CAS # 51-28-5.SEC Purity 99%	(Lot 2TXXH)	2,002.0 µg/mL	+/- 11.6398 +/- 23.9320 +/- 38.0875	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
48	Dibenzofuran CAS # 132-64-9.SEC Purity 99%	(Lot 27ZGC)	999.8 µg/mL	+/- 5.8264 +/- 11.9582 +/- 19.0250	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
49	4-Nitrophenol CAS # 100-02-7.SEC Purity 99%	(Lot 2J5LB)	2,009.4 µg/mL	+/- 11.6828 +/- 24.0205 +/- 38.2283	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
50	2,4-Dinitrotoluene CAS # 121-14-2.SEC Purity 99%	(Lot SHRSA)	1,001.6 µg/mL	+/- 5.8368 +/- 11.9797 +/- 19.0593	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
51	2,3,4,6-Tetrachlorophenol CAS # 58-90-2.SEC Purity 99%	(Lot LRAC4175)	1,006.8 µg/mL	+/- 5.8671 +/- 12.0419 +/- 19.1582	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
52	Fluorene CAS # 86-73-7.SEC Purity 99%	(Lot 8292200)	1,002.2 µg/mL	+/- 5.8403 +/- 11.9869 +/- 19.0707	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
53	n-Hexadecane (C16) CAS # 544-76-3.SEC Purity 99%	(Lot A0328141)	1,006.6 µg/mL	+/- 5.8660 +/- 12.0395 +/- 19.1544	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
54	Diethylphthalate CAS # 84-66-2.SEC Purity 99%	(Lot UMBJC)	1,001.0 µg/mL	+/- 5.8333 +/- 11.9726 +/- 19.0478	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
55	4-Chlorophenyl phenyl ether CAS # 7005-72-3.SEC Purity 98%	(Lot P31G)	1,004.9 µg/mL	+/- 5.8560 +/- 12.0191 +/- 19.1219	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

56	4-Nitroaniline		1,000.2	µg/mL	+/-	5.8287	µg/mL	Gravimetric
	CAS #	100-01-6.SEC	(Lot 5ITRC)		+/-	11.9630	µg/mL	Unstressed
	Purity	99%			+/-	19.0326	µg/mL	Stressed
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)		2,000.8	µg/mL	+/-	11.6328	µg/mL	Gravimetric
	CAS #	534-52-1.SEC	(Lot 8644800)		+/-	23.9177	µg/mL	Unstressed
	Purity	99%			+/-	38.0646	µg/mL	Stressed
58	Diphenylamine		849.8	µg/mL	+/-	4.9522	µg/mL	Gravimetric
	CAS #	122-39-4.SEC	(Lot 10164691)		+/-	10.1641	µg/mL	Unstressed
	Purity	99%			+/-	16.1707	µg/mL	Stressed
59	Azobenzene		1,003.6	µg/mL	+/-	5.8485	µg/mL	Gravimetric
	CAS #	103-33-3.SEC	(Lot JUWAG)		+/-	12.0037	µg/mL	Unstressed
	Purity	99%			+/-	19.0973	µg/mL	Stressed
60	4-Bromophenyl phenyl ether		1,005.2	µg/mL	+/-	5.8578	µg/mL	Gravimetric
	CAS #	101-55-3.SEC	(Lot 84C6D)		+/-	12.0228	µg/mL	Unstressed
	Purity	99%			+/-	19.1278	µg/mL	Stressed
61	Hexachlorobenzene		1,007.4	µg/mL	+/-	5.8706	µg/mL	Gravimetric
	CAS #	118-74-1.SEC	(Lot G137934)		+/-	12.0491	µg/mL	Unstressed
	Purity	99%			+/-	19.1696	µg/mL	Stressed
62	Pentachlorophenol		2,007.2	µg/mL	+/-	11.6700	µg/mL	Gravimetric
	CAS #	87-86-5.SEC	(Lot 5784900)		+/-	23.9942	µg/mL	Unstressed
	Purity	99%			+/-	38.1864	µg/mL	Stressed
63	n-Octadecane (C18)		1,005.6	µg/mL	+/-	5.8602	µg/mL	Gravimetric
	CAS #	593-45-3.SEC	(Lot G14U045)		+/-	12.0276	µg/mL	Unstressed
	Purity	99%			+/-	19.1354	µg/mL	Stressed
64	Phenanthrene		1,002.3	µg/mL	+/-	5.8412	µg/mL	Gravimetric
	CAS #	85-01-8.SEC	(Lot 8637000)		+/-	11.9886	µg/mL	Unstressed
	Purity	98%			+/-	19.0734	µg/mL	Stressed
65	Anthracene		1,000.4	µg/mL	+/-	5.8299	µg/mL	Gravimetric
	CAS #	120-12-7.SEC	(Lot WDFNJ)		+/-	11.9654	µg/mL	Unstressed
	Purity	99%			+/-	19.0364	µg/mL	Stressed
66	Carbazole		1,005.6	µg/mL	+/-	5.8602	µg/mL	Gravimetric
	CAS #	86-74-8.SEC	(Lot LMIZB)		+/-	12.0276	µg/mL	Unstressed
	Purity	99%			+/-	19.1354	µg/mL	Stressed
67	Di-n-butylphthalate		1,004.4	µg/mL	+/-	5.8532	µg/mL	Gravimetric
	CAS #	84-74-2.SEC	(Lot 42FSG)		+/-	12.0132	µg/mL	Unstressed
	Purity	99%			+/-	19.1125	µg/mL	Stressed
68	Fluoranthene		1,007.2	µg/mL	+/-	5.8695	µg/mL	Gravimetric
	CAS #	206-44-0.SEC	(Lot FREGF)		+/-	12.0467	µg/mL	Unstressed
	Purity	99%			+/-	19.1658	µg/mL	Stressed
69	Pyrene		1,005.6	µg/mL	+/-	5.8602	µg/mL	Gravimetric
	CAS #	129-00-0.SEC	(Lot ROVJC)		+/-	12.0276	µg/mL	Unstressed
	Purity	99%			+/-	19.1354	µg/mL	Stressed
70	Benzyl butyl phthalate		1,004.5	µg/mL	+/-	5.8537	µg/mL	Gravimetric
	CAS #	85-68-7.SEC	(Lot GX3GL)		+/-	12.0144	µg/mL	Unstressed
	Purity	98%			+/-	19.1144	µg/mL	Stressed
71	Benz(a)anthracene		1,006.2	µg/mL	+/-	5.8637	µg/mL	Gravimetric
	CAS #	56-55-3.SEC	(Lot MTENF)		+/-	12.0348	µg/mL	Unstressed
	Purity	99%			+/-	19.1468	µg/mL	Stressed

72	chrysene CAS # 218-01-9.SEC Purity 99%	(Lot NICZC)	1,001.2 µg/mL	+/- 5.8345 +/- 11.9750 +/- 19.0517	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
73	Bis(2-ethylhexyl)phthalate CAS # 117-81-7.SEC Purity 99%	(Lot MT8AG)	1,006.6 µg/mL	+/- 5.8660 +/- 12.0395 +/- 19.1544	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
74	Di-n-octyl phthalate CAS # 117-84-0.SEC Purity 99%	(Lot O8DLD)	1,000.8 µg/mL	+/- 5.8322 +/- 11.9702 +/- 19.0440	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
75	Benzo(b)fluoranthene CAS # 205-99-2.SEC Purity 99%	(Lot FLUSD)	1,000.4 µg/mL	+/- 5.8299 +/- 11.9654 +/- 19.0364	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
76	Benzo(k)fluoranthene CAS # 207-08-9.SEC Purity 99%	(Lot 6899200)	1,005.4 µg/mL	+/- 5.8590 +/- 12.0252 +/- 19.1316	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
77	Benzo(a)pyrene CAS # 50-32-8.SEC Purity 97%	(Lot M8DFD)	1,006.3 µg/mL	+/- 5.8641 +/- 12.0357 +/- 19.1483	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
78	Indeno(1,2,3-cd)pyrene CAS # 193-39-5.SEC Purity 99%	(Lot 02201571)	1,008.0 µg/mL	+/- 5.8741 +/- 12.0563 +/- 19.1811	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
79	Dibenz(a,h)anthracene CAS # 53-70-3.SEC Purity 99%	(Lot 0012012)	1,002.0 µg/mL	+/- 5.8392 +/- 11.9845 +/- 19.0669	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
80	Benzo(g,h,i)perylene CAS # 191-24-2.SEC Purity 96%	(Lot 0022012)	1,003.8 µg/mL	+/- 5.8495 +/- 12.0058 +/- 19.1007	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

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

* Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL. N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine. N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.

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

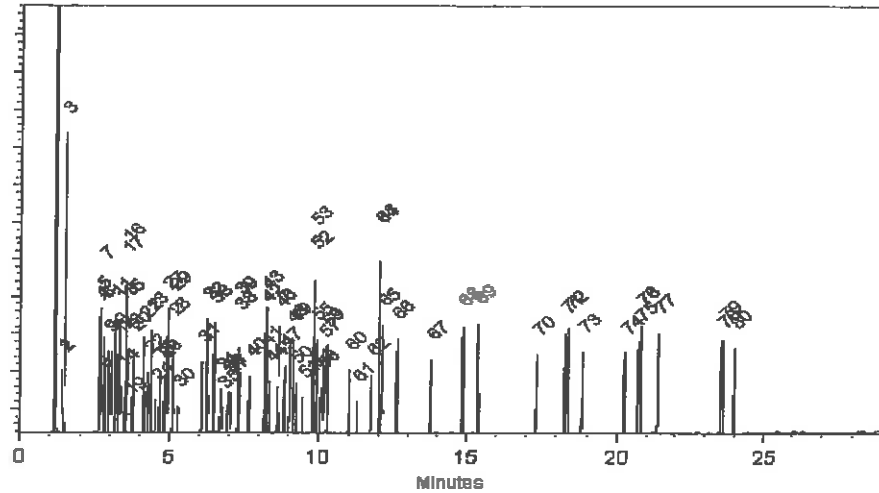
Carrier Gas:
hydrogen-constant flow 1.8 ml/min.

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

Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID



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

Brandon Reish

Brandon Reish - Mix Technician

Date Mixed: 31-Mar-2020

Balance: B345965662

Jennifer L Pollino

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 09-Apr-2020

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

8270Mega_1stk_00016



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

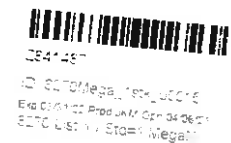
Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No.: 571995 Lot No.: A0164427
Description: 8270 List 1 / Std #1 MegaMix (2017)
8270 List 1 / Std #1 MegaMix (2017) 500-2000 µg/mL, Methylene chloride, 5mL/ampul
Container Size: 10 mL Pkg Amt: > 5 mL
Expiration Date: March 31, 2022 Storage: 0°C or colder
Handling: Carcinogen/reproductive toxin. Shlp: Ambient
Photosensitive. Sonicate.



CERTIFIED VALUES

Table with 7 rows and 8 columns: Elution Order, Compound, Grav. Conc. (weight/volume), Expanded Uncertainty (95% C.L.; K=2), and three additional columns for measurement details.

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

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

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

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

72	Chrysene CAS # 218-01-9 Purity 99%	(Lot 012015)	1,008.9 µg/mL	+/- 5.8658 +/- 12.0605 +/- 19.1940	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
73	Bis(2-ethylhexyl)phthalate CAS # 117-81-7 Purity 99%	(Lot MKCJ1159)	1,002.7 µg/mL	+/- 5.8298 +/- 11.9863 +/- 19.0761	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
74	Di-n-octyl phthalate CAS # 117-84-0 Purity 99%	(Lot 10532100)	1,007.6 µg/mL	+/- 5.8583 +/- 12.0449 +/- 19.1693	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
75	Benzo(b)fluoranthene CAS # 205-99-2 Purity 99%	(Lot 012020B)	1,006.0 µg/mL	+/- 5.8490 +/- 12.0258 +/- 19.1389	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
76	Benzo(k)fluoranthene CAS # 207-08-9 Purity 99%	(Lot 012017K)	1,005.2 µg/mL	+/- 5.8443 +/- 12.0162 +/- 19.1236	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
77	Benzo(a)pyrene CAS # 50-32-8 Purity 99%	(Lot RP200901)	1,005.0 µg/mL	+/- 5.8432 +/- 12.0138 +/- 19.1198	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
78	Indeno(1,2,3-cd)pyrene CAS # 193-39-5 Purity 99%	(Lot 11-FLI-175-4)	1,004.6 µg/mL	+/- 5.8408 +/- 12.0091 +/- 19.1122	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
79	Dibenz(a,h)anthracene CAS # 53-70-3 Purity 99%	(Lot ER032211-01)	1,005.7 µg/mL	+/- 5.8472 +/- 12.0222 +/- 19.1332	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
80	Benzo(g,h,i)perylene CAS # 191-24-2 Purity 99%	(Lot 8GFYJ)	1,003.6 µg/mL	+/- 5.8350 +/- 11.9971 +/- 19.0932	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
Solvent:	Methylene chloride CAS # 75-09-2 Purity 99%					

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.

N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.

N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.

This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

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

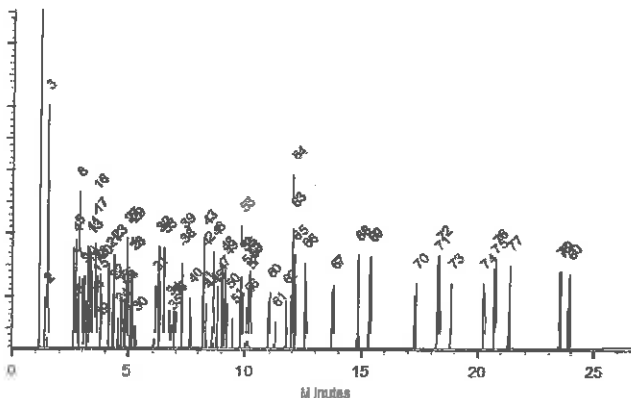
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

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

Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID



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


Tom Suckal - Mix Technician

Date Mixed: 15-Sep-2020

Balance: B442140311


Justine Allerton - Operations Tech-APM CO

Date Passed: 25-Sep-2020

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

8270Mega_1stk_00018



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 571995 **Lot No.:** A0175066
Description : 8270 List 1 / Std #1 MegaMix (2017)
8270 List 1 / Std #1 MegaMix (2017) 500-2000 µg/mL, Methylene chloride, 5mL/ampul
Container Size : 10 mL **Pkg Amt:** > 5 mL
Expiration Date : February 28, 2023 **Storage:** 0°C or colder
Handling: Carcinogen/reproductive toxin. **Ship:** Ambient
Photosensitive. Sonicate.

CERTIFIED VALUES

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

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

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

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

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

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

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.

N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.

N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.

This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

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

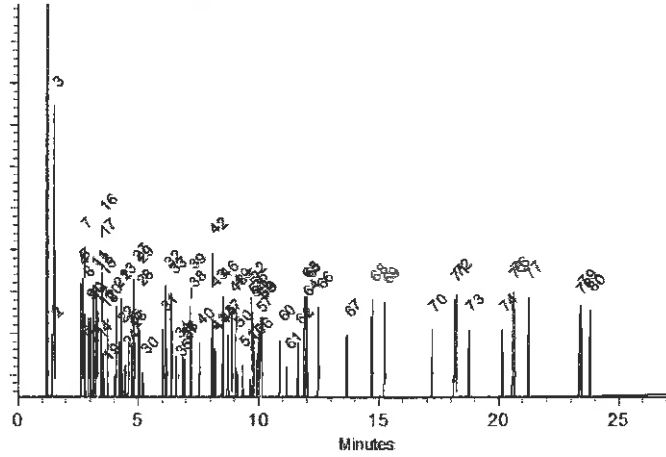
Carrier Gas:
 hydrogen-constant flow 1.8 mL/min.

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

inj. Temp:
 250°C

Det. Temp:
 340°C

Det. Type:
 FID



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

Cathleen Soitis
 Cathleen Soitis - Mix Technician

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

John Lidgett
 John Lidgett - AD Chemist

Date Passed: 23-Aug-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

8270S#10_1stk_00018



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

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

CERTIFIED VALUES

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

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

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

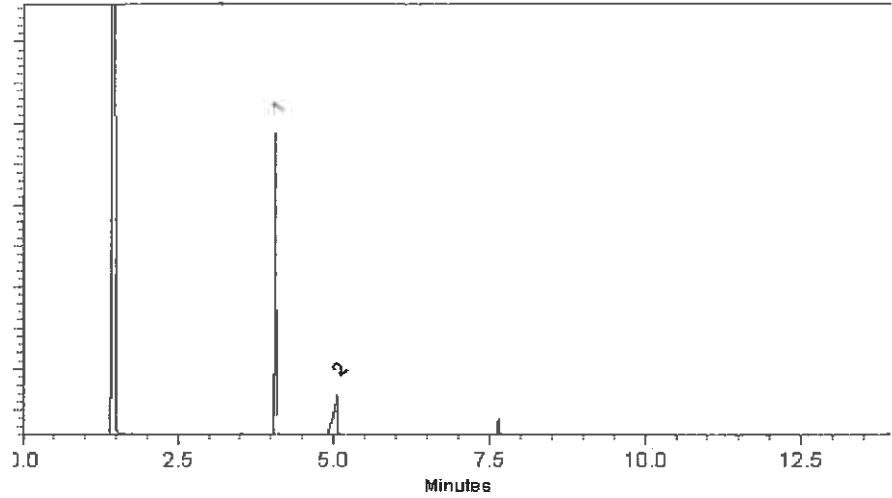
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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

Sam Moodler
Sam Moodler - Operations Tech I

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

Alxis Shelow
Alxis Shelow - Operations Tech I

Date Passed: 28-Jun-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

8270S#11_1stk_00013



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

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

CERTIFIED VALUES

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

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

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

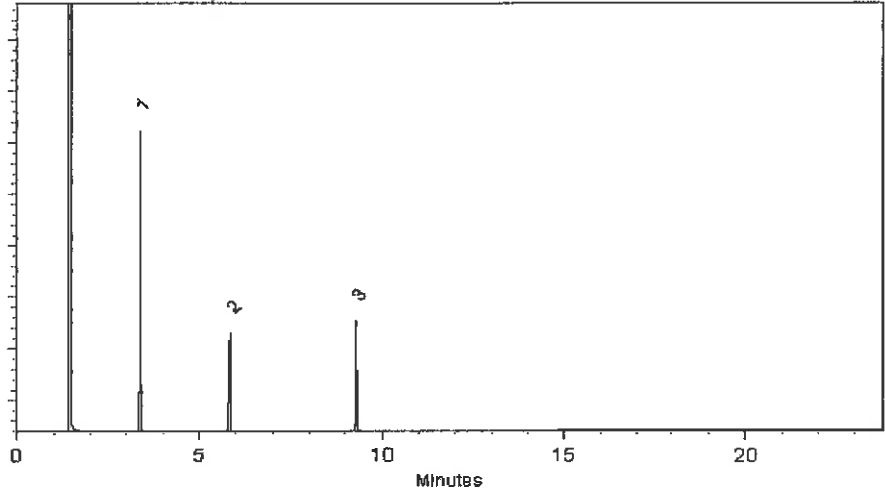
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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

Sam Moodler
Sam Moodler - Operations Tech I

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

Marilina Cowan
Marilina Cowan - Operations Tech I

Date Passed: 12-May-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

8270S#9_1stk_00015



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

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



ID: 8270S#9_1stk_00016
Exp 07/31/22 Prod JKIR Cpn 0615201
8270 List 1 / Std#9 (prim)

CERTIFIED VALUES

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

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



2841447
ID: 8270S#9_1stk_00016
Exp 07/31/22 Prod JKIR Cpn 0406201
8270 List 1 / Std#9 (prim)

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

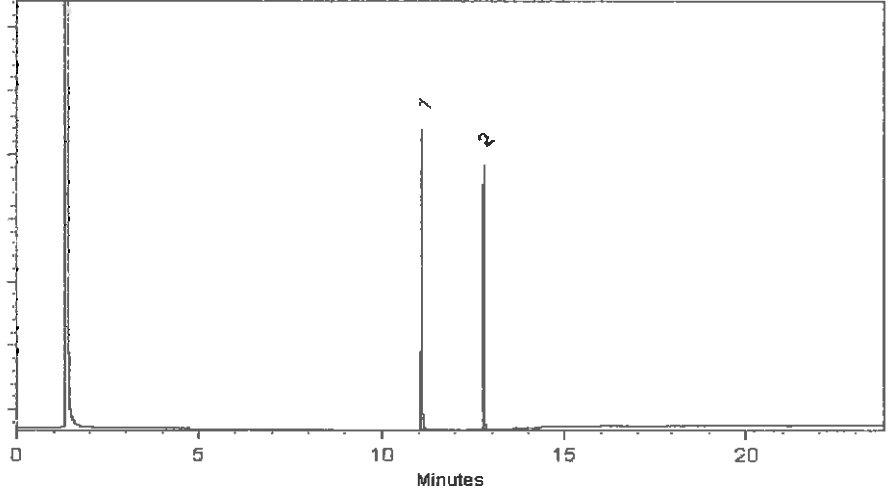
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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

Russ Bookhamer - Operations Technician

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

Alexis Shalov - Operations Tech I

Date Passed: 26-Feb-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

8270S#9_1stk_00017



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

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

CERTIFIED VALUES

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

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

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

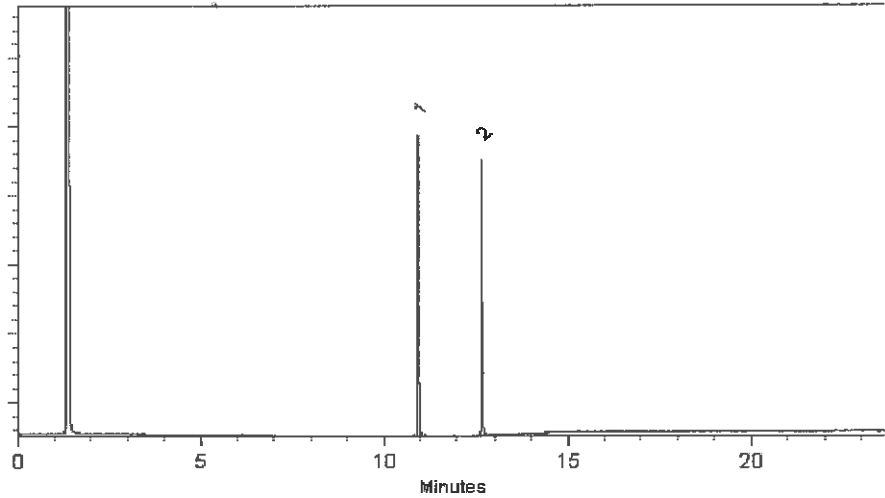
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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


Tom Suckal - Mix Technician

Date Mixed: 30-Aug-2021 Balance: 1128360905


Merlina Cowan - Operations Tech I

Date Passed: 07-Sep-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

8270Surr_Phen_00015

Certificate of Analysis

Produced by Phenova

3350 Agave Drive STE 100 Golden, CO 80405 USA ■ Tel: 303-940-9033 ■ Fax: 303-940-0043 ■ info@phenova.com
Access your Safety Data Sheets and digital Certificates at www.phenova.com/documents.

Certified Reference Material

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

Catalog Number: AL0-130371

Description: Revised BNA Surrogate Spike Mix

Storage: Refrigerate (4-10 °C)

Provided As: 25mL in 30mL Vial in Methanol

Lot Number: CL16338

Certification Date: January 21, 2021

Expiration Date: January 31, 2026

Andrea Gill

Andrea Gill, Certified Reference Material Manager

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



Reference Material Producer
Certificate No. 2427.02



phenova
Certified Reference Materials

A Phenomenex Company

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



Chemical Testing Laboratory
Certificate No. 2427.03

Certificate of Analysis

Produced by Phenova

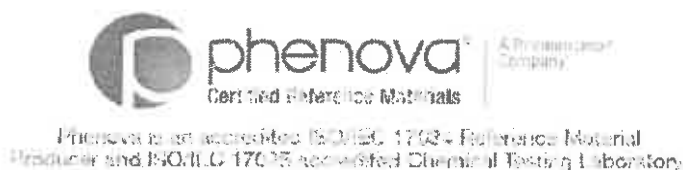
6390 Joyal Drive STE 100, Golden, CO 80403 USA • Tel: 303-940-0033 • Fax: 303-940-0033 • info@phenova.com
Access your Safety Data Sheets and digital Certificates at www.phenova.com/documents.

1. **Quality Document:** This Certificate of Analysis has been created in accordance with ISO Guide 31¹ and ISO Guide 35².
2. **Quality Standards:** Phenova is accredited by A2LA to ISO 17034³ and ISO/IEC 17025⁴ as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.
3. **Intended Use:** This product is manufactured for calibration, calibration verification, quantification, identification and other appropriate analytical control applications. This product is provided for routine laboratory analysis and research purposes only. Only trained personnel should handle this product.
4. **Handling and Usage Notes:** Store according to the recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate or heat the unopened ampoule until material is fully dissolved. Dilute as required, use only glassware and diluents compatible with all certified analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects and addition transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty, and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm that the opened product is fit for purpose under repeated use conditions.
5. **Hazardous Situation:** The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.
6. **Level of Homogeneity:** The product has been determined to be homogeneous to a minimum volume of the packaged amount.
7. **Certified Value:** Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.
8. **Raw Materials and Purity:** Phenova reference standard products are prepared from the highest quality starting materials. The purity of the materials used in this product were verified using ISO/IEC 17025 methodology.
9. **Expanded Uncertainty:** The expanded uncertainty (uRM) as stated is determined in accordance with ISO/IEC Guide 98⁵ and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty is calculated based on the element of manufacturing (uM) times a coverage factor (k=2).

$$uRM = k * uM$$
10. **Metrological Traceability:** The property value (certified value and its uncertainty) is traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO Guide 34. This is achieved through calibration of balances, verification of weights, and use of national methodology for glassware calibration utilizing and ISO/IEC 17025 methodology.
11. **Period of Validity:** The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the Expiration Date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

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



Reagent

DFTPPSTK_00014



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31615 **Lot No.:** A0151587

Description : GC/MS Tuning Mixture
GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

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

Handling: Contains carcinogen/reproductive toxin.



2494939
ID: DFTPPSTK_00014
Exp: 08/31/22 Prg: ADB Opn: 10/03/19
GC/MS Tuning Mixture Stoc

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)				
1	Pentachlorophenol CAS # 87-86-5 Purity 99% (Lot 190227CGKJ)	1,002.4 µg/mL	+/-	5.8826	µg/mL	Gravimetric	
			+/-	45.6585	µg/mL	Unstressed	
			+/-	65.9247	µg/mL	Stressed	
2	DFTPP (Decafluorotriphenylphosphine) CAS # 5074-71-5 Purity 99% (Lot 10198748)	1,008.8 µg/mL	+/-	5.9202	µg/mL	Gravimetric	
			+/-	45.9501	µg/mL	Unstressed	
			+/-	66.3457	µg/mL	Stressed	
3	Benzidine CAS # 92-87-5 Purity 99% (Lot 190409JACG)	1,000.8 µg/mL	+/-	5.8733	µg/mL	Gravimetric	
			+/-	45.5857	µg/mL	Unstressed	
			+/-	65.8195	µg/mL	Stressed	
4	4,4'-DDT CAS # 50-29-3 Purity 99% (Lot S37912V)	1,010.0 µg/mL	+/-	5.9272	µg/mL	Gravimetric	
			+/-	46.0047	µg/mL	Unstressed	
			+/-	66.4246	µg/mL	Stressed	

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

Column:

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

Carrier Gas:

Hydrogen-constant pressure 10 psi.

Temp. Program:

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

Inj. Temp:

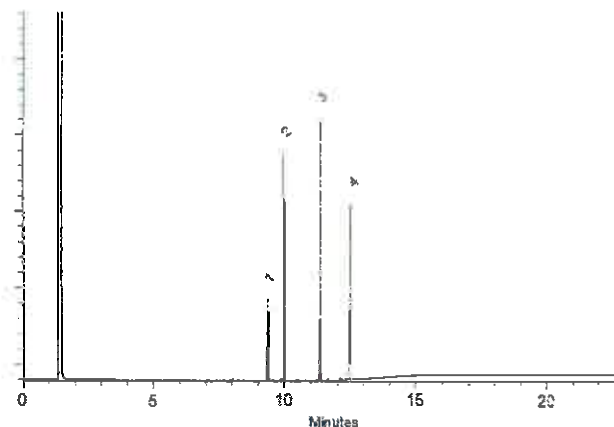
250°C

Det. Temp:

330°C

Det. Type:

FID



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

Joseph Jaglowski
Joseph Jaglowski - Mix Technician

Date Mixed: 06-Aug-2019 Balance: 1128360905

Justina Albertson
Justina Albertson - Operations Tech-ARM QC

Date Passed: 09-Aug-2019

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
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0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

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

Manufacturing Notes:

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

Handling Notes:

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

8270E_DOD5

Semivolatile Organic Compounds
(GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): ZB-SV ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
ERH2807 (RHMW03)	580-111436-1	49	36 M	67	59	71	91
ERH2803 (RHMW12A)	580-111436-2	54	39	78	67	75	102
ERH2804 (RHMW12A)	580-111436-3	51	36	74	66	83	110
ERH2818 (RHMW05)	580-111436-4	53	29	74	69	82	95
ERH2814 (RHMW01R)	580-111436-5	52	40	66	60	84	91
ERH2815 (RHMW01R)	580-111436-6	59	43	79	77	86	95
ERH2775 (RHMW15-05)	580-111436-7	41	25	64	57	67	102
ERH2800 (RHMW14-3)	580-111436-8	53	37	78	74	85	114
ERH2821 (RHMW16)	580-111436-9	55	42	78	78	81	113
	MB 580-384314/1-A	57	39	88	78	68	107
	MB 580-384501/1-A	55	21	71	70	67	93
	LCS 580-384314/2-A	53	36	82	78	84	101
	LCS 580-384501/2-A	55	41	80	75	81	94
	LCSD 580-384314/3-A	54	38	78	68	81	97
	LCSD 580-384501/3-A	44	36	76	74	74	93

	<u>QC LIMITS</u>
2FP = 2-Fluorophenol (Surr)	19-119
PHL = Phenol-d5 (Surr)	10-120
NBZ = Nitrobenzene-d5 (Surr)	44-120
FBP = 2-Fluorobiphenyl	44-119
TBP = 2,4,6-Tribromophenol (Surr)	43-140
TPHL = Terphenyl-d14	50-134

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: 40Scan032222a018.D

Lab ID: LCS 580-384314/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	2.00	1.06	53	29-116	
1,2-Dichlorobenzene	2.00	0.978	49	32-111	
1,3-Dichlorobenzene	2.00	0.929	46	28-110	
1,4-Dichlorobenzene	2.00	0.939	47	29-112	
2,4,5-Trichlorophenol	2.00	1.48	74	53-123	
2,4,6-Trichlorophenol	2.00	1.55	77	50-125	
2,4-Dichlorophenol	2.00	1.56	78	47-121	
2,4-Dimethylphenol	2.00	1.52 J	76	31-124	
2,4-Dinitrophenol	4.00	3.14 J	78	23-143	M
2,4-Dinitrotoluene	2.00	1.68	84	57-128	
2,6-Dinitrotoluene	2.00	1.66	83	57-124	
2-Chloronaphthalene	2.00	1.44	72	40-116	
2-Chlorophenol	2.00	1.45	73	38-117	
2-Nitrophenol	2.00	1.58	79	47-123	
3,3'-Dichlorobenzidine	4.00	4.39	110	27-129	
4,6-Dinitro-2-methylphenol	4.00	2.99	75	44-137	
4-Bromophenyl phenyl ether	2.00	1.57	79	55-124	
4-Chloro-3-methylphenol	2.00	1.79	89	52-119	
4-Chlorophenyl phenyl ether	2.00	1.70	85	53-121	
4-Nitrophenol	4.00	2.14 J	54	35-145	M
Azobenzene	2.00	1.78 J	89	61-116	
bis (2-chloroisopropyl) ether	2.00	1.59	80	37-130	
Bis(2-chloroethoxy)methane	2.00	1.54	77	48-120	
Bis(2-chloroethyl) ether	2.00	1.45	72	43-118	
Bis(2-ethylhexyl) phthalate	2.00	2.11 J	106	55-135	
Butyl benzyl phthalate	2.00	1.98 J	99	53-134	
Diethyl phthalate	2.00	1.95	98	56-125	
Dimethyl phthalate	2.00	1.84	92	45-127	
Di-n-butyl phthalate	2.00	1.87 J	93	59-127	
Di-n-octyl phthalate	2.00	1.74	87	51-140	
Hexachlorobenzene	2.00	1.47	73	53-125	
Hexachlorobutadiene	2.00	0.820 J	41	22-124	
Hexachlorocyclopentadiene	2.00	0.952 J	48	20-125	
Hexachloroethane	2.00	0.812 J	41	21-115	
Isophorone	2.00	1.69	85	42-124	
m+p-Cresol	2.00	1.33	66	29-110	
Nitrobenzene	2.00	1.53	76	45-121	
N-Nitrosodimethylamine	2.00	1.29 J	64	45-125	
N-Nitrosodi-n-propylamine	2.00	1.49	74	49-119	
N-Nitrosodiphenylamine	2.00	1.61	81	51-123	
o-Cresol	2.00	1.36	68	30-117	
Pentachlorophenol	4.00	2.47 J	62	35-138	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: 40Scan032222a018.D

Lab ID: LCS 580-384314/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Phenol	2.00	0.820 J	41	13-120	
Pyrene	2.00	1.74	87	57-126	
Pyridine	4.00	1.24 J	31	20-125	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 40Scan032322x010.D
 Lab ID: LCS 580-384501/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	2.00	1.38	69	29-116	
1,2-Dichlorobenzene	2.00	1.34	67	32-111	
1,3-Dichlorobenzene	2.00	1.32	66	28-110	
1,4-Dichlorobenzene	2.00	1.28	64	29-112	
2,4,5-Trichlorophenol	2.00	1.54	77	53-123	
2,4,6-Trichlorophenol	2.00	1.64	82	50-125	
2,4-Dichlorophenol	2.00	1.68	84	47-121	
2,4-Dimethylphenol	2.00	1.66 J	83	31-124	M
2,4-Dinitrophenol	4.00	3.01 J	75	23-143	M
2,4-Dinitrotoluene	2.00	1.77	89	57-128	
2,6-Dinitrotoluene	2.00	1.80	90	57-124	
2-Chloronaphthalene	2.00	1.60	80	40-116	
2-Chlorophenol	2.00	1.56	78	38-117	
2-Nitrophenol	2.00	1.70	85	47-123	
3,3'-Dichlorobenzidine	4.00	4.47	112	27-129	
4,6-Dinitro-2-methylphenol	4.00	3.00	75	44-137	
4-Bromophenyl phenyl ether	2.00	1.64	82	55-124	
4-Chloro-3-methylphenol	2.00	1.77	88	52-119	
4-Chlorophenyl phenyl ether	2.00	1.73	87	53-121	
4-Nitrophenol	4.00	2.78 J	70	35-145	M
Azobenzene	2.00	1.74 J	87	61-116	
bis (2-chloroisopropyl) ether	2.00	1.69	84	37-130	
Bis(2-chloroethoxy)methane	2.00	1.63	81	48-120	
Bis(2-chloroethyl) ether	2.00	1.55	78	43-118	
Bis(2-ethylhexyl) phthalate	2.00	2.62 J	131	55-135	
Butyl benzyl phthalate	2.00	1.96 J	98	53-134	
Diethyl phthalate	2.00	1.79	89	56-125	
Dimethyl phthalate	2.00	1.82	91	45-127	
Di-n-butyl phthalate	2.00	1.89 J	94	59-127	
Di-n-octyl phthalate	2.00	1.83	92	51-140	
Hexachlorobenzene	2.00	1.60	80	53-125	
Hexachlorobutadiene	2.00	1.26	63	22-124	
Hexachlorocyclopentadiene	2.00	1.49	75	20-125	
Hexachloroethane	2.00	1.27	63	21-115	
Isophorone	2.00	1.72	86	42-124	
m+p-Cresol	2.00	1.48	74	29-110	
Nitrobenzene	2.00	1.61	81	45-121	
N-Nitrosodimethylamine	2.00	1.30 J	65	45-125	
N-Nitrosodi-n-propylamine	2.00	1.60	80	49-119	
N-Nitrosodiphenylamine	2.00	1.67	84	51-123	
o-Cresol	2.00	1.60	80	30-117	
Pentachlorophenol	4.00	2.72 J	68	35-138	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 40Scan032322x010.D
 Lab ID: LCS 580-384501/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Phenol	2.00	0.894 J	45	13-120	M
Pyrene	2.00	1.73	86	57-126	
Pyridine	4.00	2.12 J	53	20-125	

Column to be used to flag recovery and RPD values
 FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 40Scan032222a019.D
 Lab ID: LCSD 580-384314/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,2,4-Trichlorobenzene	2.00	1.13	56	6	20	29-116	
1,2-Dichlorobenzene	2.00	1.12	56	13	20	32-111	
1,3-Dichlorobenzene	2.00	1.09	54	16	20	28-110	
1,4-Dichlorobenzene	2.00	1.09	54	15	20	29-112	
2,4,5-Trichlorophenol	2.00	1.29	65	14	20	53-123	
2,4,6-Trichlorophenol	2.00	1.38	69	12	20	50-125	
2,4-Dichlorophenol	2.00	1.63	81	4	20	47-121	
2,4-Dimethylphenol	2.00	1.57 J	79	4	20	31-124	
2,4-Dinitrophenol	4.00	3.35 J	84	7	20	23-143	M
2,4-Dinitrotoluene	2.00	1.61	81	4	20	57-128	
2,6-Dinitrotoluene	2.00	1.60	80	4	20	57-124	
2-Chloronaphthalene	2.00	1.38	69	4	20	40-116	
2-Chlorophenol	2.00	1.59	80	9	20	38-117	
2-Nitrophenol	2.00	1.73	87	9	20	47-123	
3,3'-Dichlorobenzidine	4.00	3.44	86	24	20	27-129	Q
4,6-Dinitro-2-methylphenol	4.00	3.24	81	8	20	44-137	
4-Bromophenyl phenyl ether	2.00	1.59	80	1	20	55-124	
4-Chloro-3-methylphenol	2.00	1.54	77	15	20	52-119	
4-Chlorophenyl phenyl ether	2.00	1.59	80	6	20	53-121	
4-Nitrophenol	4.00	1.87 J	47	13	20	35-145	
Azobenzene	2.00	1.76 J	88	1	20	61-116	
bis (2-chloroisopropyl) ether	2.00	1.70	85	7	20	37-130	
Bis(2-chloroethoxy)methane	2.00	1.69	85	9	20	48-120	
Bis(2-chloroethyl) ether	2.00	1.56	78	7	20	43-118	
Bis(2-ethylhexyl) phthalate	2.00	2.09 J	105	1	20	55-135	
Butyl benzyl phthalate	2.00	1.90 J	95	4	20	53-134	
Diethyl phthalate	2.00	1.78	89	9	20	56-125	
Dimethyl phthalate	2.00	1.66	83	10	20	45-127	
Di-n-butyl phthalate	2.00	1.88 J	94	1	20	59-127	
Di-n-octyl phthalate	2.00	1.68	84	3	20	51-140	
Hexachlorobenzene	2.00	1.53	77	4	20	53-125	
Hexachlorobutadiene	2.00	0.949 J	47	15	20	22-124	
Hexachlorocyclopentadiene	2.00	0.998 J	50	5	20	20-125	
Hexachloroethane	2.00	1.01	51	22	20	21-115	Q
Isophorone	2.00	1.76	88	4	20	42-124	
m+p-Cresol	2.00	1.37	68	3	20	29-110	
Nitrobenzene	2.00	1.60	80	5	20	45-121	
N-Nitrosodimethylamine	2.00	1.39 J	69	8	20	45-125	
N-Nitrosodi-n-propylamine	2.00	1.62	81	8	20	49-119	
N-Nitrosodiphenylamine	2.00	1.66	83	3	20	51-123	
o-Cresol	2.00	1.50	75	9	20	30-117	
Pentachlorophenol	4.00	2.98 J	74	19	20	35-138	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 40Scan032222a019.D
 Lab ID: LCSD 580-384314/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Phenol	2.00	0.866 J	43	5	20	13-120	
Pyrene	2.00	1.76	88	1	20	57-126	
Pyridine	4.00	1.25 J	31	1	20	20-125	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: 40Scan032322x011.D

Lab ID: LCSD 580-384501/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,2,4-Trichlorobenzene	2.00	1.21	60	13	20	29-116	
1,2-Dichlorobenzene	2.00	1.14	57	16	20	32-111	
1,3-Dichlorobenzene	2.00	1.06	53	22	20	28-110	Q
1,4-Dichlorobenzene	2.00	1.08	54	17	20	29-112	
2,4,5-Trichlorophenol	2.00	1.46	73	5	20	53-123	
2,4,6-Trichlorophenol	2.00	1.38	69	17	20	50-125	
2,4-Dichlorophenol	2.00	1.45	73	14	20	47-121	
2,4-Dimethylphenol	2.00	1.48 J	74	12	20	31-124	
2,4-Dinitrophenol	4.00	1.66 J	42	58	20	23-143	M Q
2,4-Dinitrotoluene	2.00	1.68	84	6	20	57-128	
2,6-Dinitrotoluene	2.00	1.68	84	7	20	57-124	
2-Chloronaphthalene	2.00	1.53	76	5	20	40-116	
2-Chlorophenol	2.00	1.27	64	20	20	38-117	
2-Nitrophenol	2.00	1.24	62	32	20	47-123	Q
3,3'-Dichlorobenzidine	4.00	4.10	103	9	20	27-129	
4,6-Dinitro-2-methylphenol	4.00	1.34 J	33	77	20	44-137	Q
4-Bromophenyl phenyl ether	2.00	1.54	77	7	20	55-124	
4-Chloro-3-methylphenol	2.00	1.66	83	6	20	52-119	
4-Chlorophenyl phenyl ether	2.00	1.70	85	2	20	53-121	
4-Nitrophenol	4.00	6.0 U	39	55	20	35-145	Q
Azobenzene	2.00	1.67 J	83	4	20	61-116	
bis (2-chloroisopropyl) ether	2.00	1.52	76	10	20	37-130	
Bis(2-chloroethoxy)methane	2.00	1.55	78	5	20	48-120	
Bis(2-chloroethyl) ether	2.00	1.49	74	4	20	43-118	
Bis(2-ethylhexyl) phthalate	2.00	3.27	163	22	20	55-135	Q
Butyl benzyl phthalate	2.00	2.10 J	105	7	20	53-134	
Diethyl phthalate	2.00	1.91	95	6	20	56-125	
Dimethyl phthalate	2.00	1.83	91	0	20	45-127	
Di-n-butyl phthalate	2.00	2.11 J	105	11	20	59-127	
Di-n-octyl phthalate	2.00	2.01	101	9	20	51-140	
Hexachlorobenzene	2.00	1.47	74	8	20	53-125	
Hexachlorobutadiene	2.00	1.01	50	22	20	22-124	Q
Hexachlorocyclopentadiene	2.00	1.18	59	23	20	20-125	Q
Hexachloroethane	2.00	1.02	51	22	20	21-115	Q
Isophorone	2.00	1.61	81	6	20	42-124	
m+p-Cresol	2.00	1.45	72	2	20	29-110	
Nitrobenzene	2.00	1.50	75	7	20	45-121	
N-Nitrosodimethylamine	2.00	1.24 J	62	5	20	45-125	
N-Nitrosodi-n-propylamine	2.00	1.51	75	6	20	49-119	
N-Nitrosodiphenylamine	2.00	1.57	79	6	20	51-123	
o-Cresol	2.00	1.52	76	5	20	30-117	
Pentachlorophenol	4.00	1.98 J	49	32	20	35-138	Q

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 40Scan032322x011.D
 Lab ID: LCSD 580-384501/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Phenol	2.00	0.767 J	38	15	20	13-120	M
Pyrene	2.00	1.72	86	1	20	57-126	
Pyridine	4.00	1.42 J	35	39	20	20-125	Q

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab File ID: 40Scan032222a017.D Lab Sample ID: MB 580-384314/1-A
 Matrix: Water Date Extracted: 03/18/2022 10:55
 Instrument ID: TAC040 Date Analyzed: 03/22/2022 18:12
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-384314/2-A	40Scan03222 2a018.D	03/22/2022 18:36
	LCSD 580-384314/3-A	40Scan03222 2a019.D	03/22/2022 19:00
ERH2775 (RHMW15-05)	580-111436-7	40Scan03222 2a023.D	03/22/2022 20:34

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab File ID: 40Scan032322x009.D Lab Sample ID: MB 580-384501/1-A
 Matrix: Water Date Extracted: 03/21/2022 09:43
 Instrument ID: TAC040 Date Analyzed: 03/23/2022 05:13
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-384501/2-A	40Scan032322x010.D	03/23/2022 05:37
	LCSD 580-384501/3-A	40Scan032322x011.D	03/23/2022 06:00
ERH2807 (RHMW03)	580-111436-1	40Scan032322x023.D	03/23/2022 10:41
ERH2803 (RHMW12A)	580-111436-2	40Scan032322a026.D	03/23/2022 21:35
ERH2804 (RHMW12A)	580-111436-3	40Scan032322a027.D	03/23/2022 21:58
ERH2818 (RHMW05)	580-111436-4	40Scan032322a028.D	03/23/2022 22:22
ERH2814 (RHMW01R)	580-111436-5	40Scan032322a029.D	03/23/2022 22:45
ERH2815 (RHMW01R)	580-111436-6	40Scan032322a030.D	03/23/2022 23:08
ERH2800 (RHMW14-3)	580-111436-8	40Scan032322a031.D	03/23/2022 23:31
ERH2821 (RHMW16)	580-111436-9	40Scan032322a032.D	03/23/2022 23:54

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab File ID: 40Scan032222a003.D DFTPP Injection Date: 03/22/2022
 Instrument ID: TAC040 DFTPP Injection Time: 12:06
 Analysis Batch No.: 384624

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	52.8
68	Less than 2.0 % of mass 69	0.1 (0.1) 1
69	Mass 69 relative abundance	57.9
70	Less than 2.0 % of mass 69	0.3 (0.4) 1
127	10.0 - 80.0 % of mass 198	51.2
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.8
275	10.0 - 60.0 % of mass 198	25.9
365	Greater than 1.0 % of mass 198	4.4
441	Present but less than mass 443	24.1
442	Greater than 50.0 % of mass 198	144.3
443	15.0 - 24.0 % of mass 442	27.9 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-384624/3	40Scan032222a	03/22/2022	12:55
	MB 580-384314/1-A	40Scan032222a	03/22/2022	18:12
	LCS 580-384314/2-A	40Scan032222a	03/22/2022	18:36
	LCSD 580-384314/3-A	40Scan032222a	03/22/2022	19:00
ERH2775 (RHMW15-05)	580-111436-7	40Scan032222a	03/22/2022	20:34
	CCVC 580-384624/30	40Scan032222a	03/22/2022	23:41

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab File ID: 40Scan032322x003.D DFTPP Injection Date: 03/23/2022
 Instrument ID: TAC040 DFTPP Injection Time: 02:54
 Analysis Batch No.: 384789

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	58.7
68	Less than 2.0 % of mass 69	1.2 (1.9) 1
69	Mass 69 relative abundance	65.0
70	Less than 2.0 % of mass 69	0.3 (0.4) 1
127	10.0 - 80.0 % of mass 198	55.1
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.8
275	10.0 - 60.0 % of mass 198	25.1
365	Greater than 1.0 % of mass 198	4.0
441	Present but less than mass 443	20.4
442	Greater than 50.0 % of mass 198	120.9
443	15.0 - 24.0 % of mass 442	23.7 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-384789/3	40Scan032322x	03/23/2022	3:18
	MB 580-384501/1-A	40Scan032322x	03/23/2022	5:13
	LCS 580-384501/2-A	40Scan032322x	03/23/2022	5:37
	LCSD 580-384501/3-A	40Scan032322x	03/23/2022	6:00
ERH2807 (RHMW03)	580-111436-1	40Scan032322x	03/23/2022	10:41
	CCVC 580-384789/23	40Scan032322x	03/23/2022	11:04

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab File ID: 40Scan032322a006.D DFTPP Injection Date: 03/23/2022
 Instrument ID: TAC040 DFTPP Injection Time: 13:45
 Analysis Batch No.: 384865

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	55.8
68	Less than 2.0 % of mass 69	1.2 (1.9) 1
69	Mass 69 relative abundance	60.8
70	Less than 2.0 % of mass 69	0.2 (0.4) 1
127	10.0 - 80.0 % of mass 198	53.0
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.7
275	10.0 - 60.0 % of mass 198	25.8
365	Greater than 1.0 % of mass 198	4.4
441	Present but less than mass 443	22.7
442	Greater than 50.0 % of mass 198	133.5
443	15.0 - 24.0 % of mass 442	25.4 (19.0) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-384865/3	40Scan032322a	03/23/2022	14:10
ERH2803 (RHMW12A)	580-111436-2	40Scan032322a	03/23/2022	21:35
ERH2804 (RHMW12A)	580-111436-3	40Scan032322a	03/23/2022	21:58
ERH2818 (RHMW05)	580-111436-4	40Scan032322a	03/23/2022	22:22
ERH2814 (RHMW01R)	580-111436-5	40Scan032322a	03/23/2022	22:45
ERH2815 (RHMW01R)	580-111436-6	40Scan032322a	03/23/2022	23:08
ERH2800 (RHMW14-3)	580-111436-8	40Scan032322a	03/23/2022	23:31
ERH2821 (RHMW16)	580-111436-9	40Scan032322a	03/23/2022	23:54
	CCVC 580-384865/29	40Scan032322a	03/24/2022	0:17

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Sample No.: CCVIS 580-384624/3 Date Analyzed: 03/22/2022 12:55
 Instrument ID: TAC040 GC Column: ZB-SV ID: 0.25 (mm)
 Lab File ID (Standard): 40Scan032222a004.D Heated Purge: (Y/N) N
 Calibration ID: 32213

	DCBd4		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	18493	4.69	71720	5.72	35488	7.15	
UPPER LIMIT	36986	5.19	143440	6.22	70976	7.65	
LOWER LIMIT	9247	4.19	35860	5.22	17744	6.65	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-384314/1-A		16323	4.69	62869	5.72	28234	7.15
LCS 580-384314/2-A		17200	4.69	63173	5.72	30426	7.15
LCSD 580-384314/3-A		15801	4.69	62433	5.72	32603	7.15
580-111436-7	ERH2775 (RHMW15-05)	16370	4.69	65477	5.72	30278	7.15
CCVC 580-384624/30		19660	4.69	74527	5.72	37071	7.15

DCBd4 = 1,4-Dichlorobenzene-d4
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Sample No.: CCVIS 580-384624/3 Date Analyzed: 03/22/2022 12:55
 Instrument ID: TAC040 GC Column: ZB-SV ID: 0.25 (mm)
 Lab File ID (Standard): 40Scan032222a004.D Heated Purge: (Y/N) N
 Calibration ID: 32213

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	61906	8.37	52526	10.58	55148	12.09	
UPPER LIMIT	123812	8.87	105052	11.08	110296	12.59	
LOWER LIMIT	30953	7.87	26263	10.08	27574	11.59	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-384314/1-A	51676	8.37	44234	10.58	52456	12.09	
LCS 580-384314/2-A	53808	8.37	47530	10.57	52299	12.09	
LCSD 580-384314/3-A	53124	8.37	50232	10.58	55618	12.09	
580-111436-7	ERH2775 (RHMW15-05)	55658	8.37	47912	10.57	55847	12.08
CCVC 580-384624/30		59800	8.37	57131	10.57	62657	12.08

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Sample No.: CCVIS 580-384789/3 Date Analyzed: 03/23/2022 03:18
 Instrument ID: TAC040 GC Column: ZB-SV ID: 0.25 (mm)
 Lab File ID (Standard): 40Scan032322x004.D Heated Purge: (Y/N) N
 Calibration ID: 32213

	DCBd4		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	17396	4.69	72245	5.72	35558	7.15	
UPPER LIMIT	34792	5.19	144490	6.22	71116	7.65	
LOWER LIMIT	8698	4.19	36123	5.22	17779	6.65	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-384501/1-A	18561	4.69	72980	5.72	32097	7.15	
LCS 580-384501/2-A	17966	4.69	68249	5.72	33287	7.15	
LCSD 580-384501/3-A	18680	4.69	67872	5.72	33347	7.15	
580-111436-1	ERH2807 (RHMW03)	17484	4.69	66042	5.72	30252	7.15
CCVC 580-384789/23	18588	4.69	72519	5.72	34534	7.15	

DCBd4 = 1,4-Dichlorobenzene-d4
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Sample No.: CCVIS 580-384789/3 Date Analyzed: 03/23/2022 03:18
 Instrument ID: TAC040 GC Column: ZB-SV ID: 0.25 (mm)
 Lab File ID (Standard): 40Scan032322x004.D Heated Purge: (Y/N) N
 Calibration ID: 32213

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	59984	8.37	52126	10.57	56182	12.09	
UPPER LIMIT	119968	8.87	104252	11.07	112364	12.59	
LOWER LIMIT	29992	7.87	26063	10.07	28091	11.59	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-384501/1-A	56546	8.37	48141	10.58	57130	12.09	
LCS 580-384501/2-A	57400	8.37	51947	10.57	60841	12.08	
LCSD 580-384501/3-A	59909	8.37	50494	10.57	59018	12.09	
580-111436-1	ERH2807 (RHMW03)	52725	8.37	43825	10.58	58894	12.09
CCVC 580-384789/23	57211	8.37	53177	10.57	56697	12.09	

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Sample No.: CCVIS 580-384865/3 Date Analyzed: 03/23/2022 14:10
 Instrument ID: TAC040 GC Column: ZB-SV ID: 0.25 (mm)
 Lab File ID (Standard): 40Scan032322a007.D Heated Purge: (Y/N) N
 Calibration ID: 32213

	DCBd4		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	18810	4.69	73130	5.72	34303	7.15
UPPER LIMIT	37620	5.19	146260	6.22	68606	7.65
LOWER LIMIT	9405	4.19	36565	5.22	17152	6.65
LAB SAMPLE ID	CLIENT SAMPLE ID					
580-111436-2	ERH2803 (RHMW12A)	17604	4.69	67699	5.72	29954 7.15
580-111436-3	ERH2804 (RHMW12A)	16987	4.69	66424	5.72	29392 7.15
580-111436-4	ERH2818 (RHMW05)	17723	4.69	68949	5.72	32948 7.15
580-111436-5	ERH2814 (RHMW01R)	17805	4.69	68065	5.72	35835 7.15
580-111436-6	ERH2815 (RHMW01R)	16640	4.69	69935	5.72	31687 7.15
580-111436-8	ERH2800 (RHMW14-3)	18337	4.69	66669	5.72	28186 7.15
580-111436-9	ERH2821 (RHMW16)	17839	4.69	67865	5.72	29424 7.15
CCVC 580-384865/29		18155	4.69	71422	5.72	36630 7.15

DCBd4 = 1,4-Dichlorobenzene-d4
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Sample No.: CCVIS 580-384865/3 Date Analyzed: 03/23/2022 14:10
 Instrument ID: TAC040 GC Column: ZB-SV ID: 0.25 (mm)
 Lab File ID (Standard): 40Scan032322a007.D Heated Purge: (Y/N) N
 Calibration ID: 32213

	PHN		CRY		PRY			
	AREA #	RT #	AREA #	RT #	AREA #	RT #		
12/24 HOUR STD	59014	8.37	51501	10.57	53404	12.08		
UPPER LIMIT	118028	8.87	103002	11.07	106808	12.58		
LOWER LIMIT	29507	7.87	25751	10.07	26702	11.58		
LAB SAMPLE ID	CLIENT SAMPLE ID							
580-111436-2	ERH2803 (RHMW12A)		52040	8.37	46784	10.58	60305	12.09
580-111436-3	ERH2804 (RHMW12A)		50783	8.37	46295	10.58	55233	12.09
580-111436-4	ERH2818 (RHMW05)		53790	8.37	49929	10.57	64342	12.09
580-111436-5	ERH2814 (RHMW01R)		57288	8.37	55601	10.57	66619	12.08
580-111436-6	ERH2815 (RHMW01R)		60231	8.37	53580	10.57	66094	12.08
580-111436-8	ERH2800 (RHMW14-3)		50322	8.37	48910	10.57	62268	12.09
580-111436-9	ERH2821 (RHMW16)		50991	8.37	50750	10.57	62797	12.09
CCVC 580-384865/29			56291	8.37	54205	10.57	62158	12.08

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2807 (RHMW03) Lab Sample ID: 580-111436-1
 Matrix: Water Lab File ID: 40Scan032322x023.D
 Analysis Method: 8270E Date Collected: 03/15/2022 12:50
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 992.6(mL) Date Analyzed: 03/23/2022 10:41
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384789 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U	0.40	0.30	0.091
95-50-1	1,2-Dichlorobenzene	0.15	U	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.091	U Q	0.40	0.091	0.040
106-46-7	1,4-Dichlorobenzene	0.091	U	0.40	0.091	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U Q	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U M	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.071
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U Q	1.0	0.15	0.071
91-94-1	3,3'-Dichlorobenzidine	0.60	U M Q	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U Q	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U M	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.60	0.15	0.050
100-02-7	4-Nitrophenol	6.0	U Q	10	6.0	1.7
103-33-3	Azobenzene	0.15	U M	2.0	0.15	0.060
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U M	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.091	U	0.10	0.091	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U Q	3.0	1.6	0.75
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.30	U	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.091	U	0.60	0.091	0.040
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.050

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2807 (RHMW03) Lab Sample ID: 580-111436-1
 Matrix: Water Lab File ID: 40Scan032322x023.D
 Analysis Method: 8270E Date Collected: 03/15/2022 12:50
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 992.6(mL) Date Analyzed: 03/23/2022 10:41
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384789 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U M	0.60	0.30	0.10
98-95-3	Nitrobenzene	0.091	U	1.0	0.091	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.091	U M	0.40	0.091	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.071
95-48-7	o-Cresol	0.15	U M	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U Q	10	1.0	0.51
108-95-2	Phenol	0.60	U M	1.0	0.60	0.36
129-00-0	Pyrene	0.091	U	1.0	0.091	0.040
110-86-1	Pyridine	3.2	U Q	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	71		43-140
321-60-8	2-Fluorobiphenyl	59		44-119
367-12-4	2-Fluorophenol (Surr)	49		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	67		44-120
4165-62-2	Phenol-d5 (Surr)	36	M	10-120
1718-51-0	Terphenyl-d14	91		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x023.D
 Lims ID: 580-111436-A-1-A
 Client ID: ERH2807 (RHMW03)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 10:41:30 ALS Bottle#: 25 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 436 1
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 23-Mar-2022 14:47:05 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1607

First Level Reviewer: limmere

Date: 23-Mar-2022 14:47:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	92	17484	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	97	66042	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	96	30252	100.0	
* 4 Phenanthrene-d10	188	8.371	8.372	-0.001	93	52725	100.0	
* 5 Chrysene-d12	240	10.577	10.571	0.006	92	43825	100.0	
* 6 Perylene-d12	264	12.089	12.089	0.000	95	58894	100.0	
\$ 7 2-Fluorophenol	112	3.665	3.659	0.006	94	113842	490.8	
\$ 8 Phenol-d5	99	4.454	4.454	0.012	0	99490	355.3	M
\$ 9 Nitrobenzene-d5	82	5.136	5.136	0.000	95	178404	665.8	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	97	236663	588.5	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	93	64882	708.2	
\$ 12 Terphenyl-d14	244	9.689	9.689	0.000	96	380477	911.3	
26 Cyclohexanone	55	4.524	4.542	-0.018	1	166	NC	
21 n-Decane	57	4.572	4.566	0.006	78	23208	64.0	
41 Naphthalene	128	5.736	5.736	0.000	48	2445	3.64	
46 2-Methylnaphthalene	142	6.307	6.301	0.006	26	2845	6.84	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	43	1590	3.94	
55 Dimethyl phthalate	163	6.948	6.954	-0.006	89	5340	14.4	
66 Diethyl phthalate	149	7.530	7.530	0.000	88	9592	24.1	
79 Phenanthrene	178	8.389	8.395	0.000	45	2921	5.08	
82 2,3-Dichlorobenzamine	161	8.483	8.477	0.006	1	228	NC	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	85	47602	66.4	
86 Pyrene	202	9.548	9.555	0.000	74	4066	6.39	
88 Nonylphenol	135	9.748	9.736	0.012	0	2866	NC	
87 Butyl benzyl phthalate	149	10.106	10.107	-0.001	60	8285	31.4	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.630	0.000	96	119715	327.5	
121 DFTPP								
124 4,4'-DDD	235	9.907	9.924	-0.018	1	1223	NR	
125 4,4'-DDT	235	10.171	10.171	0.000	1	413	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

MeCl2_CT_00216

Amount Added: 1.00

Units: mL

Run Reagent

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x023.D

Injection Date: 23-Mar-2022 10:41:30

Instrument ID: TAC040

Lims ID: 580-111436-A-1-A

Lab Sample ID: 580-111436-1

Client ID: ERH2807 (RHMW03)

Operator ID: jcm

ALS Bottle#: 25 Worklist Smp#: 22

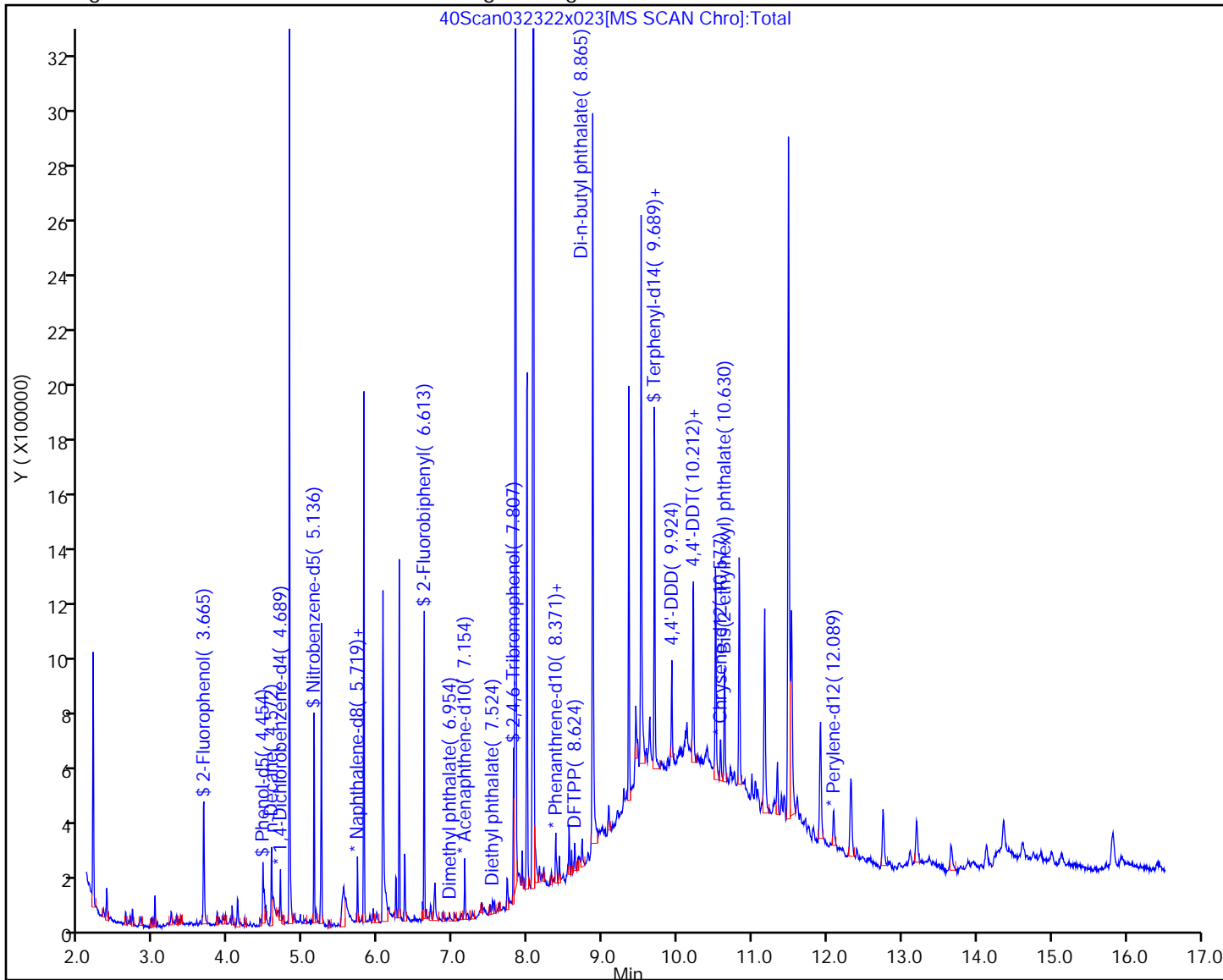
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x023.D
 Lims ID: 580-111436-A-1-A
 Client ID: ERH2807 (RHMW03)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 10:41:30 ALS Bottle#: 25 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 436 1
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 23-Mar-2022 14:47:05 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1607

First Level Reviewer: limmere

Date: 23-Mar-2022 14:47:05

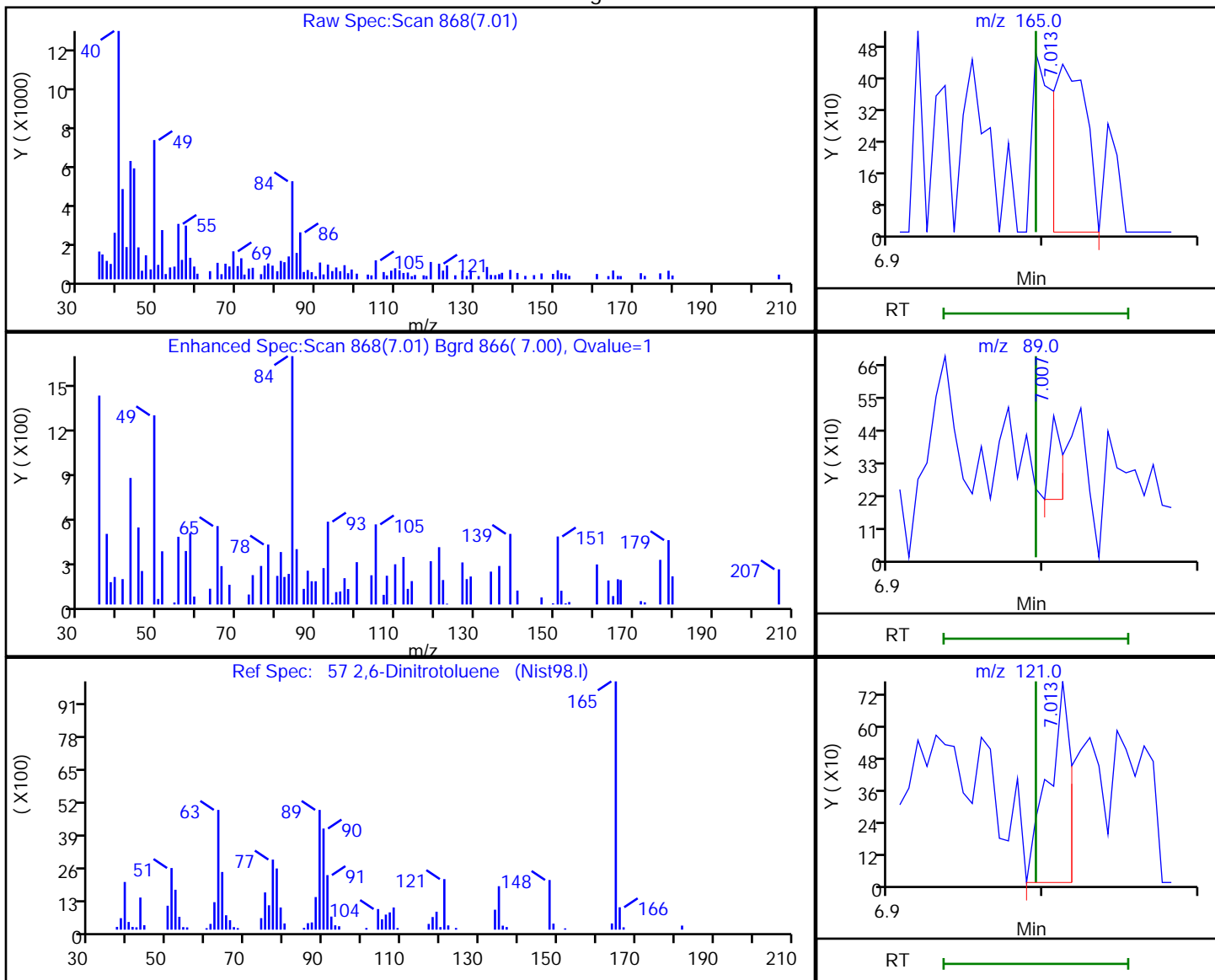
Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-Fluorophenol	1000.0	490.8	49.08
\$ 8 Phenol-d5	1000.0	355.3	35.53
\$ 9 Nitrobenzene-d5	1000.0	665.8	66.58
\$ 10 2-Fluorobiphenyl	1000.0	588.5	58.85
\$ 11 2,4,6-Tribromophenol	1000.0	708.2	70.82
\$ 12 Terphenyl-d14	1000.0	911.3	91.13

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x023.D
 Injection Date: 23-Mar-2022 10:41:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
 Client ID: ERH2807 (RHMW03)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

57 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
7.01	165.00	653	22.045084
7.01	89.00	155	
7.01	121.00	783	

Reviewer: limmere, 23-Mar-2022 14:46:12

Audit Action: Marked Compound Undetected

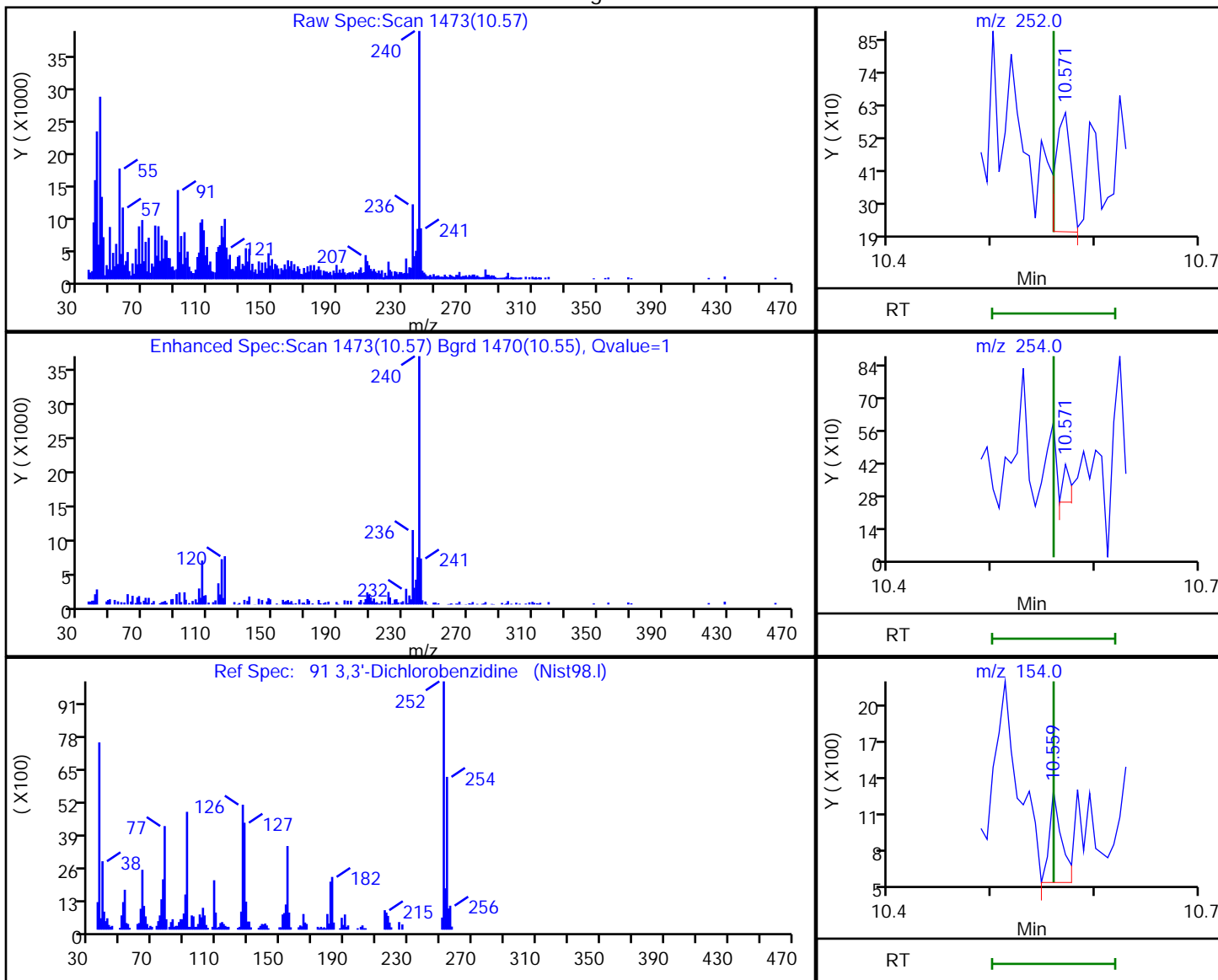
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x023.D
 Injection Date: 23-Mar-2022 10:41:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
 Client ID: ERH2807 (RHMW03)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

91 3,3'-Dichlorobenzidine, CAS: 91-94-1

Processing Results



RT	Mass	Response	Amount
10.57	252.00	410	2.687746
10.57	254.00	84	
10.56	154.00	586	

Reviewer: limmere, 23-Mar-2022 14:46:44

Audit Action: Marked Compound Undetected

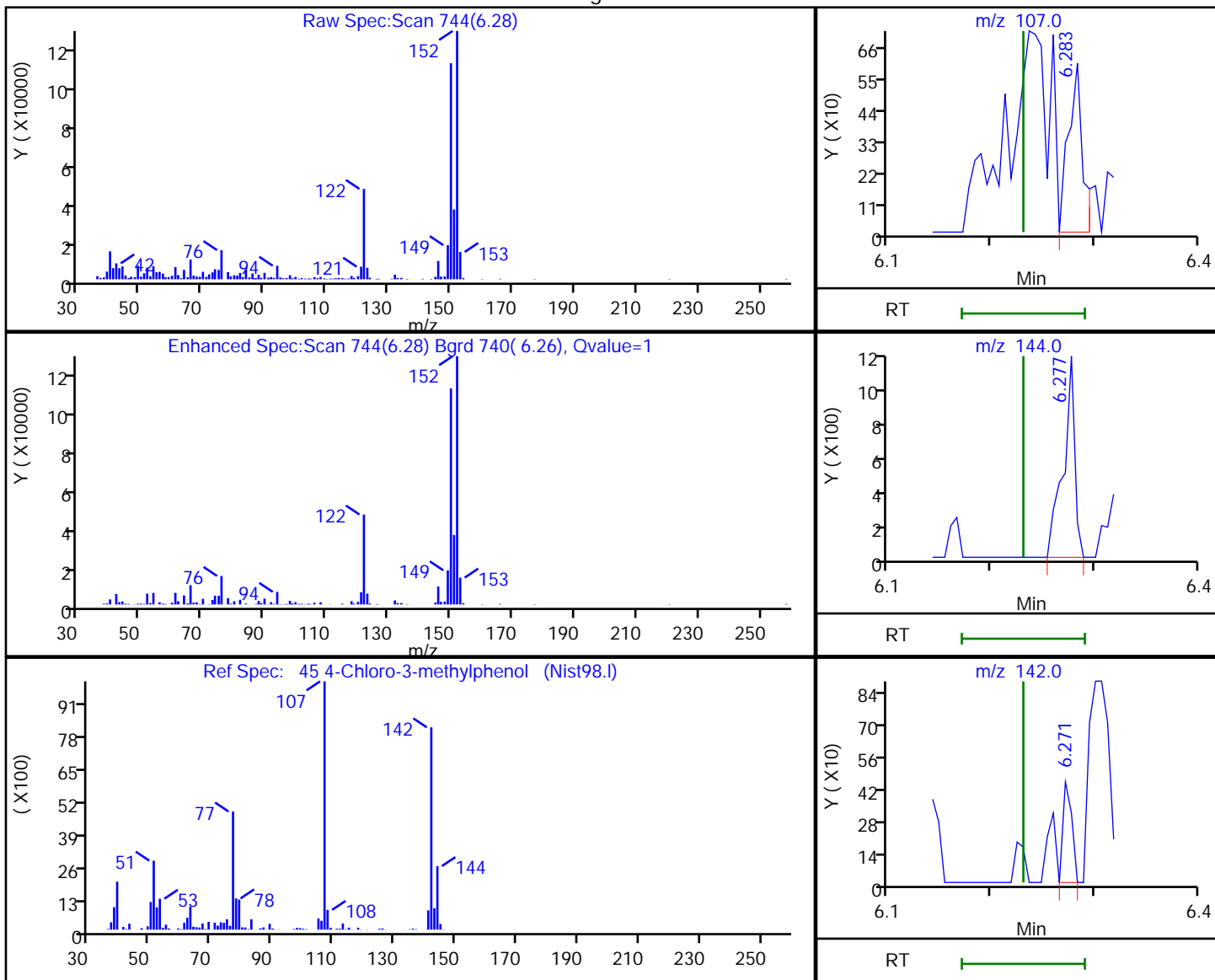
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x023.D
 Injection Date: 23-Mar-2022 10:41:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
 Client ID: ERH2807 (RHMW03)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

45 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
6.28	107.00	572	24.925658
6.28	144.00	908	
6.27	142.00	264	

Reviewer: limmere, 23-Mar-2022 14:45:58

Audit Action: Marked Compound Undetected

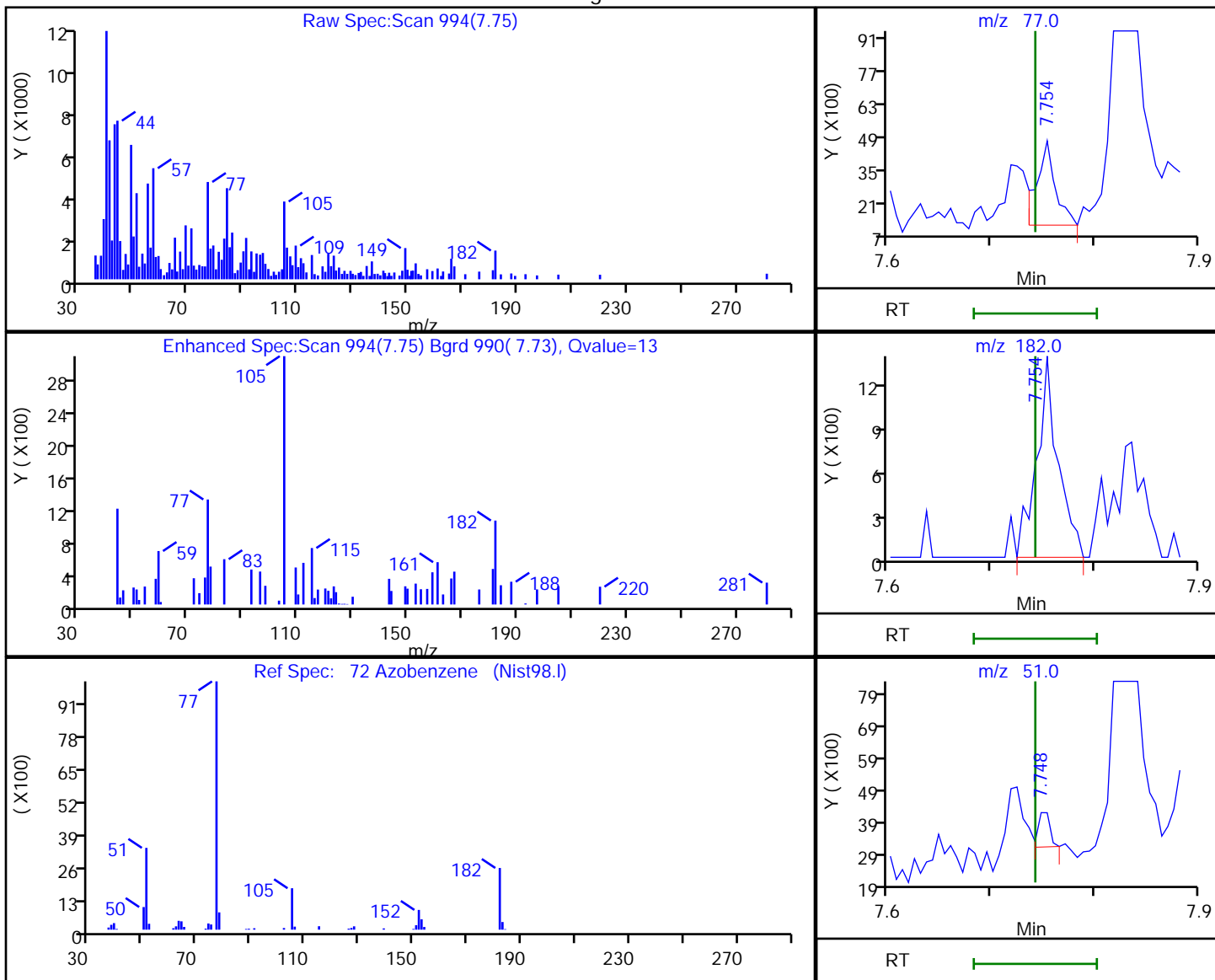
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x023.D
 Injection Date: 23-Mar-2022 10:41:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
 Client ID: ERH2807 (RHMW03)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

72 Azobenzene, CAS: 103-33-3

Processing Results



RT	Mass	Response	Amount
7.75	77.00	4556	8.603314
7.75	182.00	1992	
7.75	51.00	870	

Reviewer: limmere, 23-Mar-2022 14:46:25
 Audit Action: Marked Compound Undetected

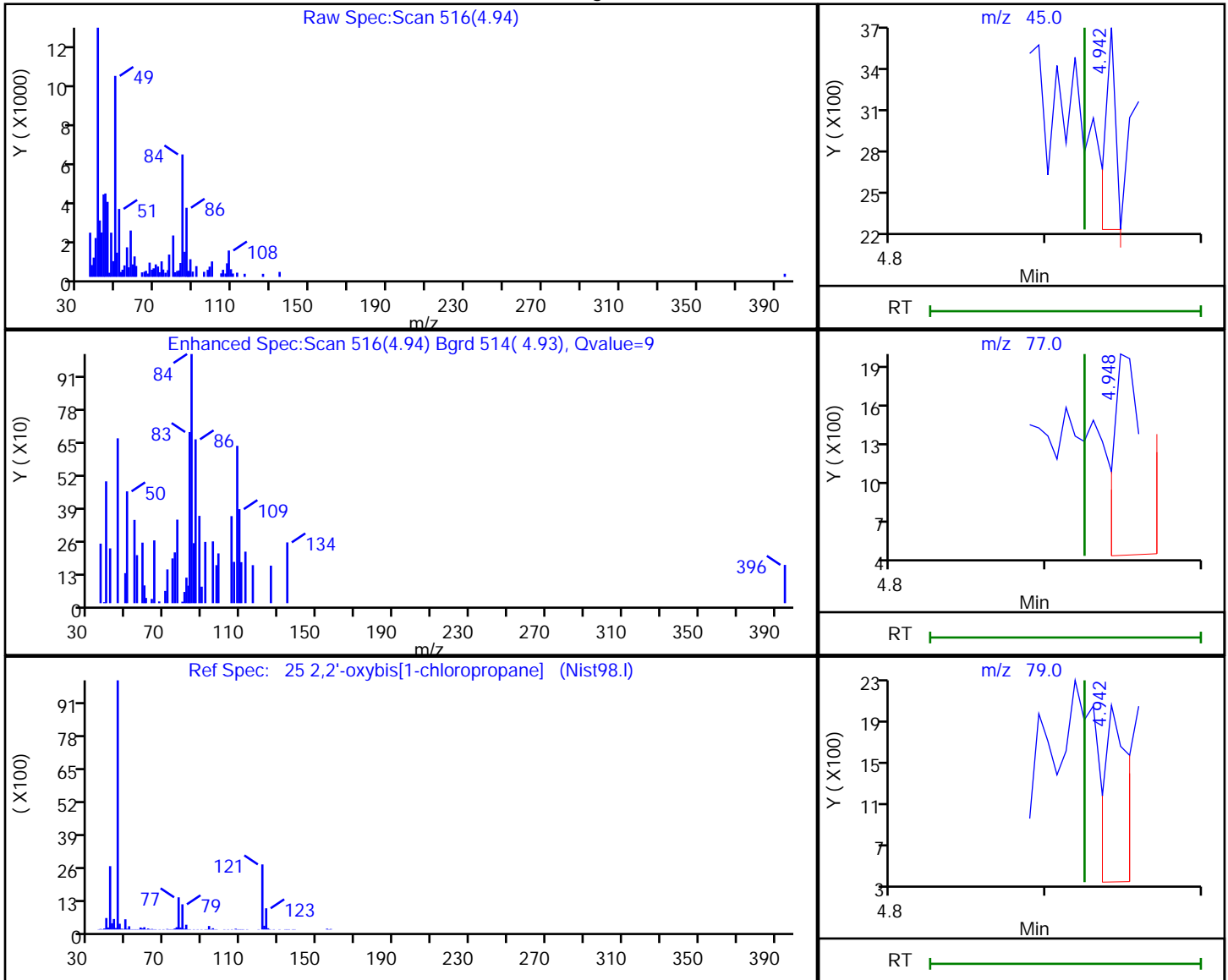
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x023.D
 Injection Date: 23-Mar-2022 10:41:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
 Client ID: ERH2807 (RHMW03)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

25 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.94	45.00	674	1.564690
4.95	77.00	2040	
4.94	79.00	1782	

Reviewer: limmere, 23-Mar-2022 14:45:39

Audit Action: Marked Compound Undetected

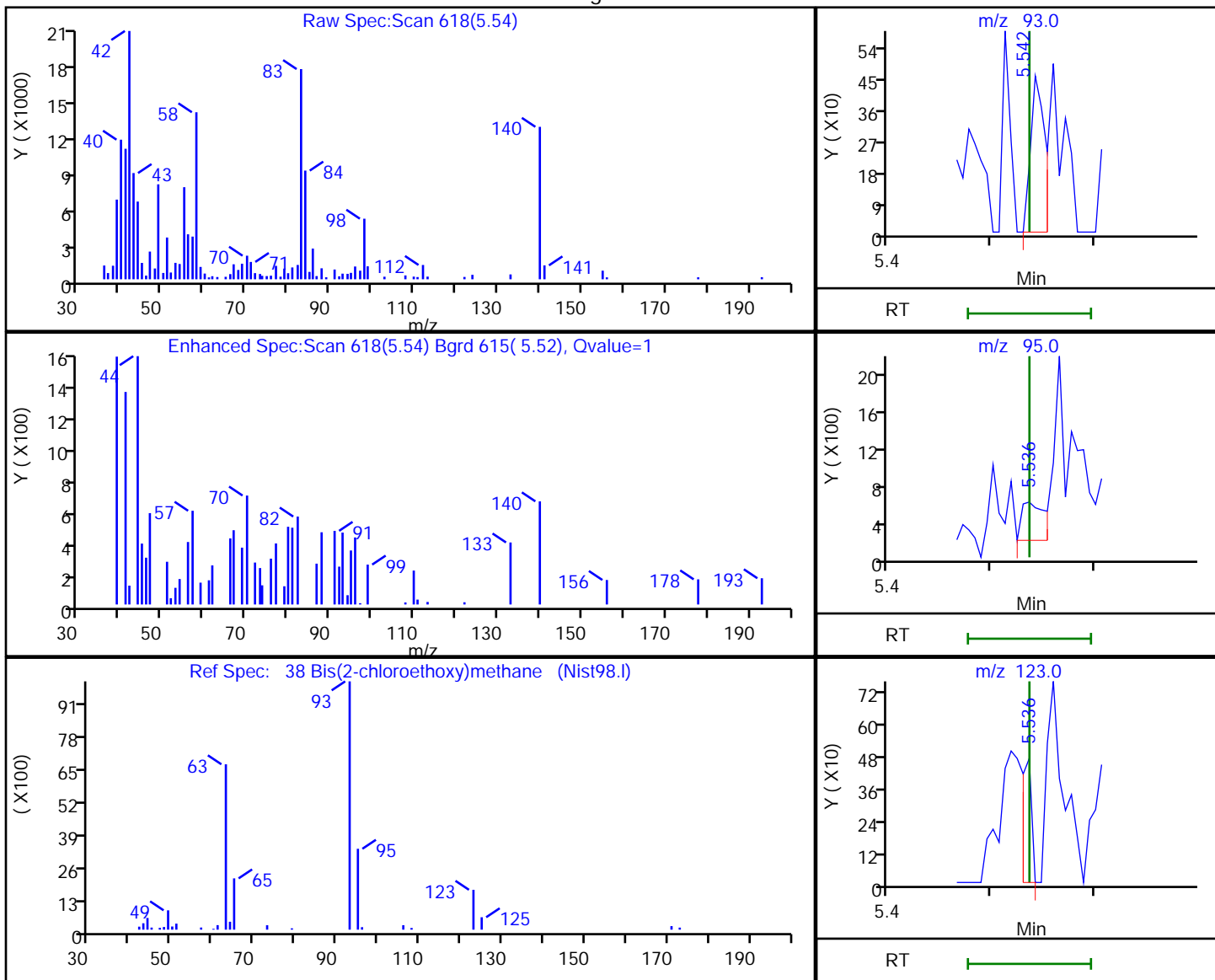
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x023.D
 Injection Date: 23-Mar-2022 10:41:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
 Client ID: ERH2807 (RHMW03)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

38 Bis(2-chloroethoxy)methane, CAS: 111-91-1

Processing Results



RT	Mass	Response	Amount
5.54	93.00	444	1.572380
5.54	95.00	621	
5.54	123.00	306	

Reviewer: limmere, 23-Mar-2022 14:45:47

Audit Action: Marked Compound Undetected

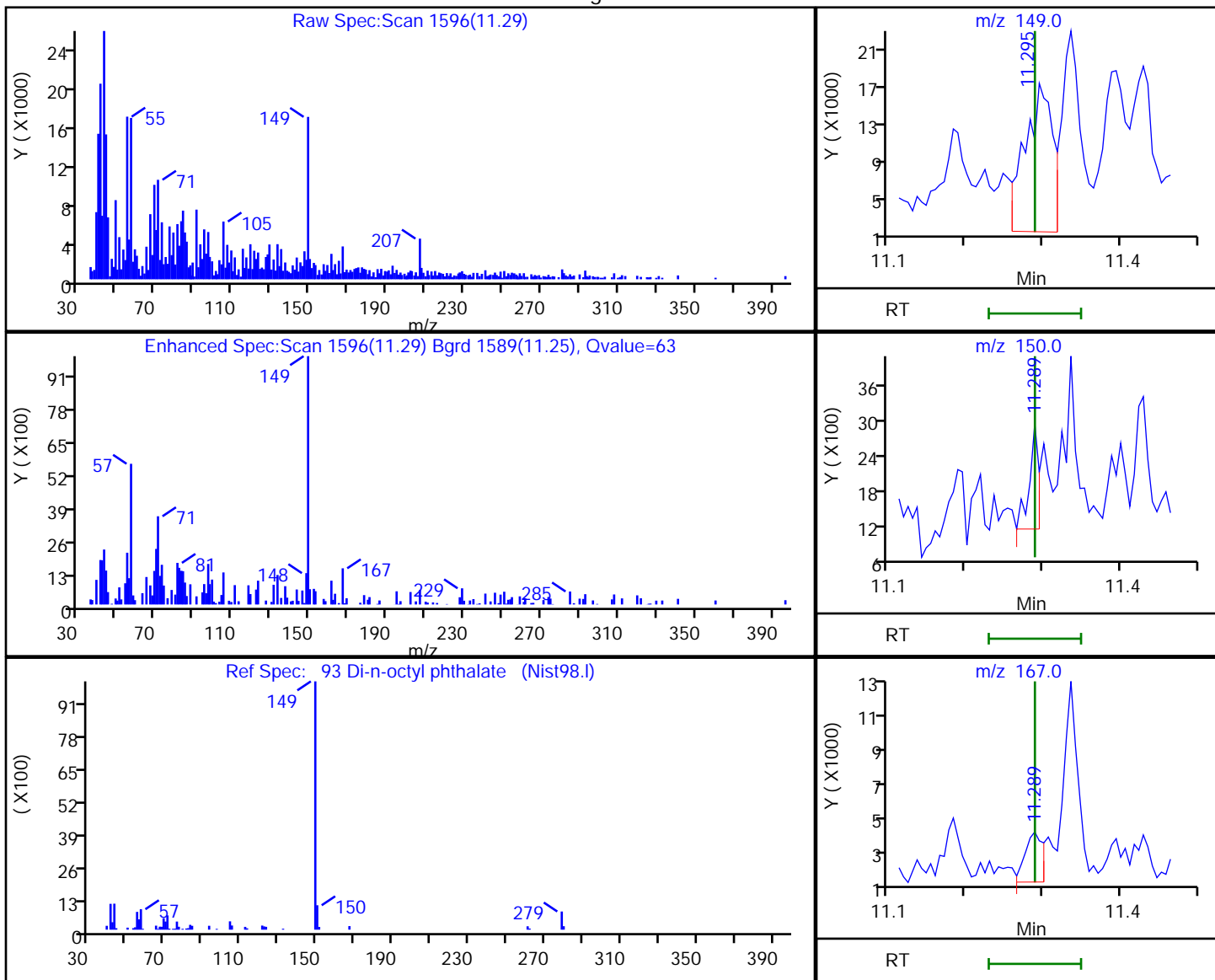
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x023.D
 Injection Date: 23-Mar-2022 10:41:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
 Client ID: ERH2807 (RHMW03)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

93 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.29	149.00	39155	74.182376
11.29	150.00	1517	
11.29	167.00	4359	

Reviewer: limmere, 23-Mar-2022 14:46:50

Audit Action: Marked Compound Undetected

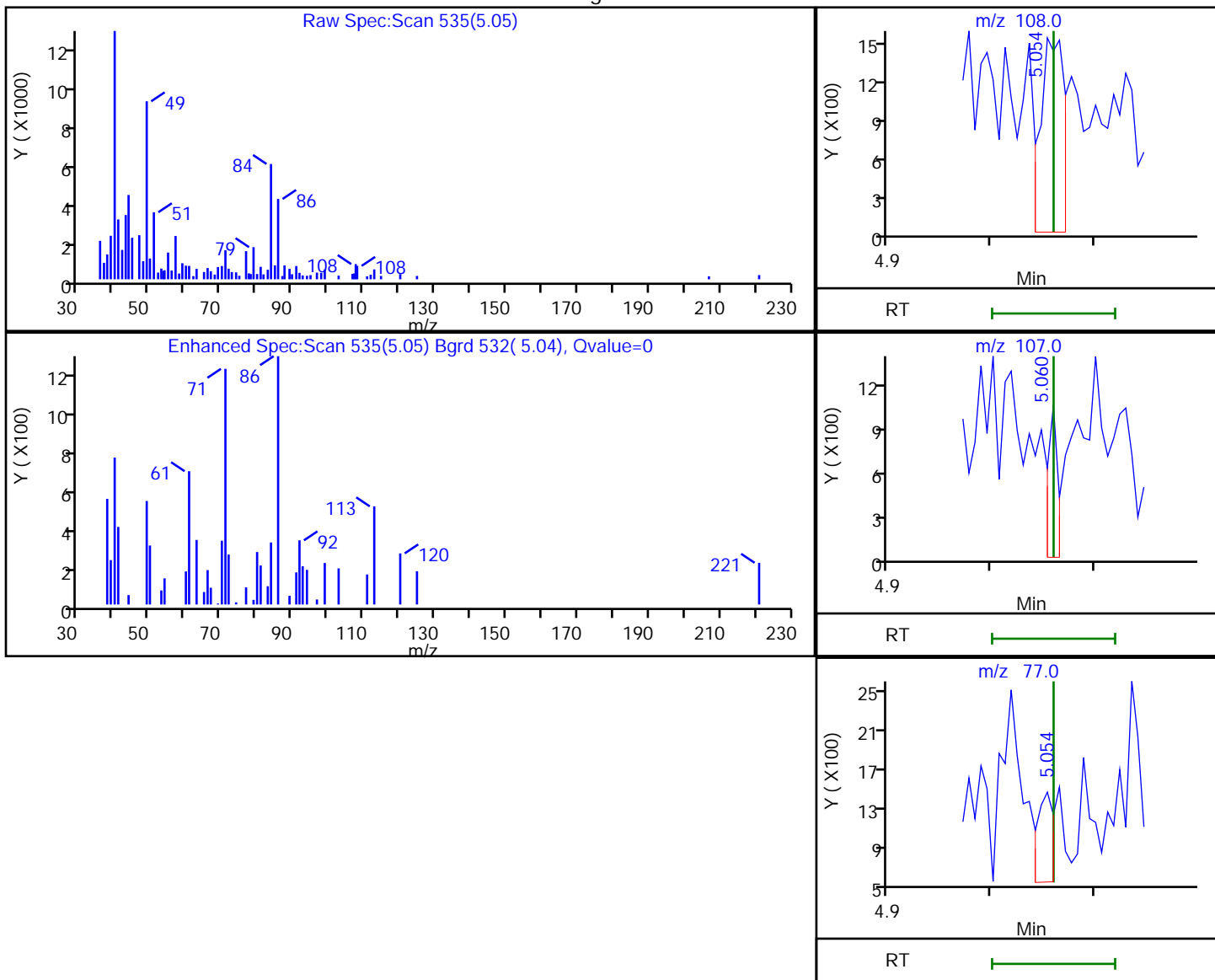
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x023.D
 Injection Date: 23-Mar-2022 10:41:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
 Client ID: ERH2807 (RHMW03)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

32 3 & 4 Methylphenol, CAS: 15831-10-4

Processing Results



RT	Mass	Response	Amount
5.05	108.00	2424	11.096654
5.06	107.00	693	
5.05	77.00	977	

Reviewer: limmere, 23-Mar-2022 14:45:45
 Audit Action: Marked Compound Undetected

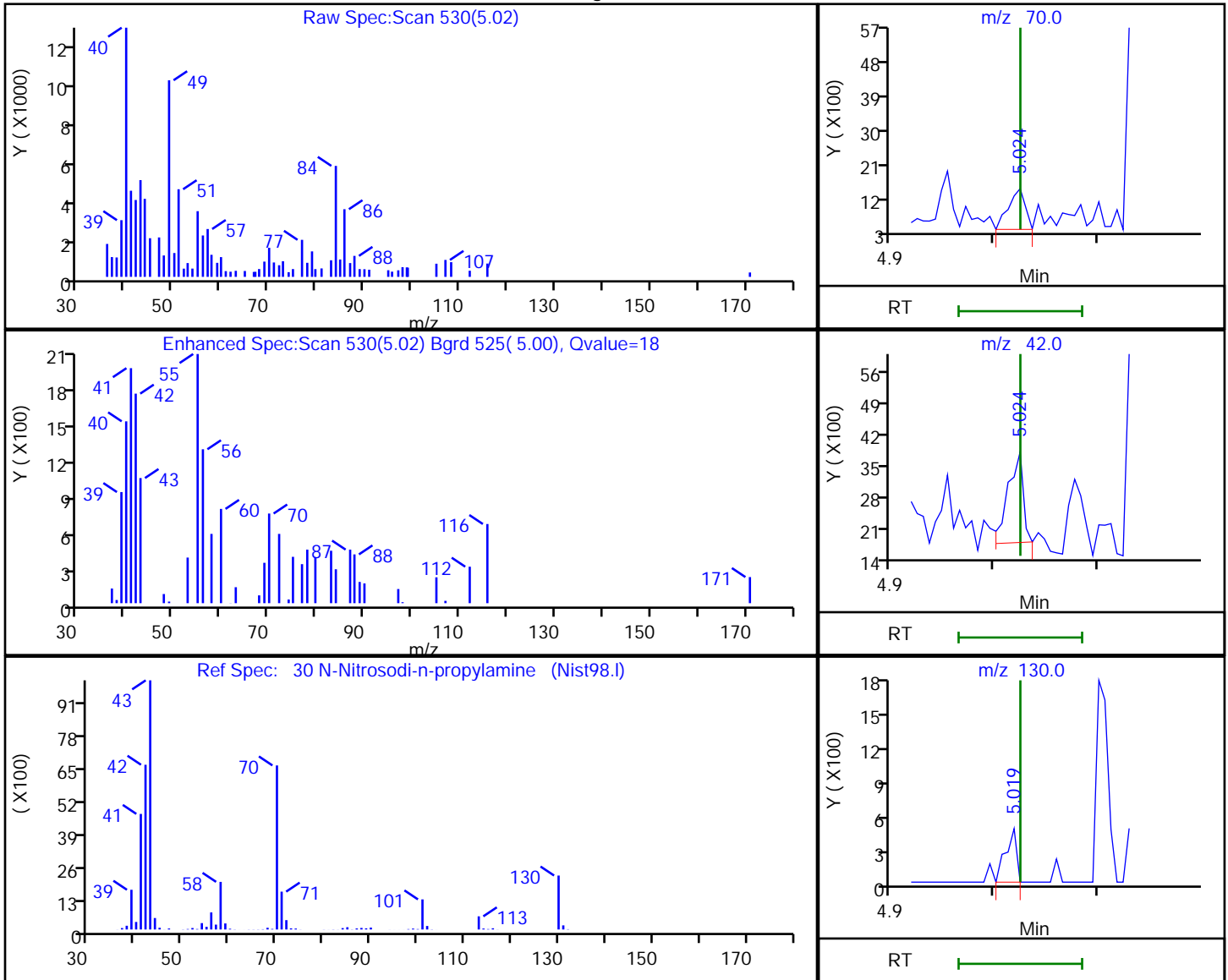
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x023.D
 Injection Date: 23-Mar-2022 10:41:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
 Client ID: ERH2807 (RHMW03)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

30 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Processing Results



RT	Mass	Response	Amount
5.02	70.00	1210	5.861849
5.02	42.00	2084	
5.02	130.00	344	

Reviewer: limmere, 23-Mar-2022 14:45:43

Audit Action: Marked Compound Undetected

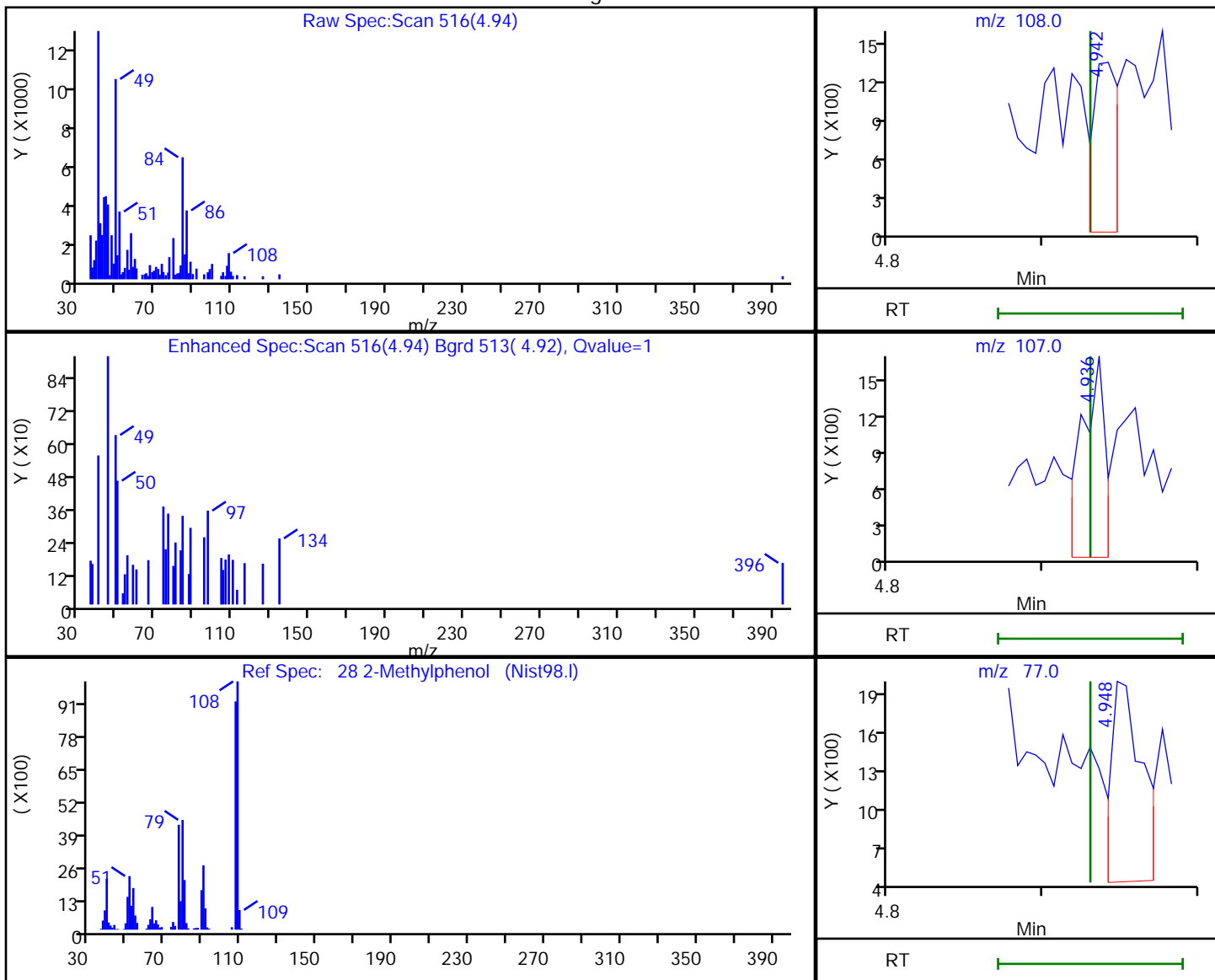
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x023.D
 Injection Date: 23-Mar-2022 10:41:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
 Client ID: ERH2807 (RHMW03)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

28 2-Methylphenol, CAS: 95-48-7

Processing Results



RT	Mass	Response	Amount
4.94	108.00	1539	6.979055
4.94	107.00	1857	
4.95	77.00	2040	

Reviewer: limmere, 23-Mar-2022 14:45:40

Audit Action: Marked Compound Undetected

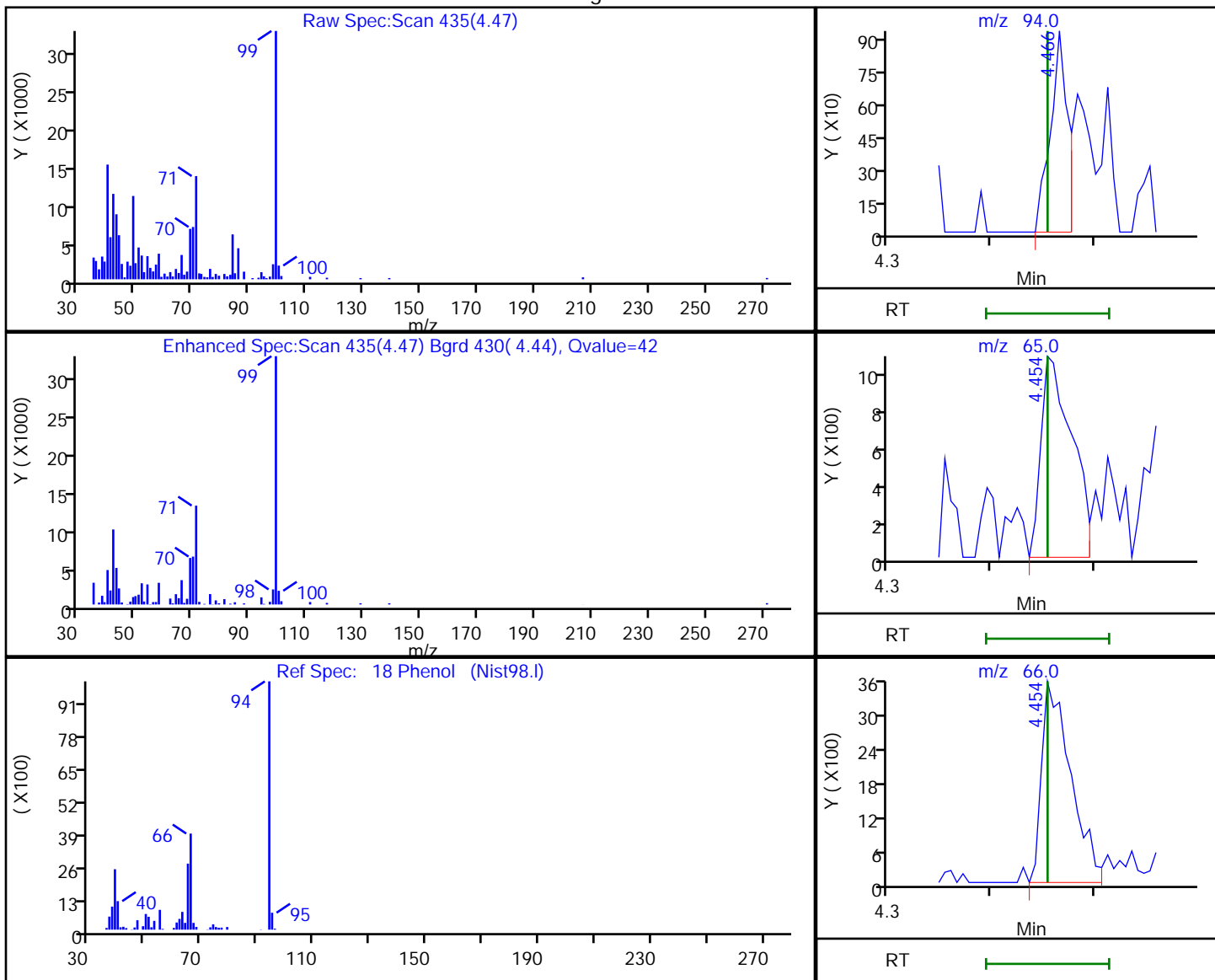
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x023.D
 Injection Date: 23-Mar-2022 10:41:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
 Client ID: ERH2807 (RHMW03)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

18 Phenol, CAS: 108-95-2

Processing Results



RT	Mass	Response	Amount
4.47	94.00	1113	3.505305
4.45	65.00	2284	
4.45	66.00	7090	

Reviewer: limmere, 23-Mar-2022 14:45:34

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Seattle

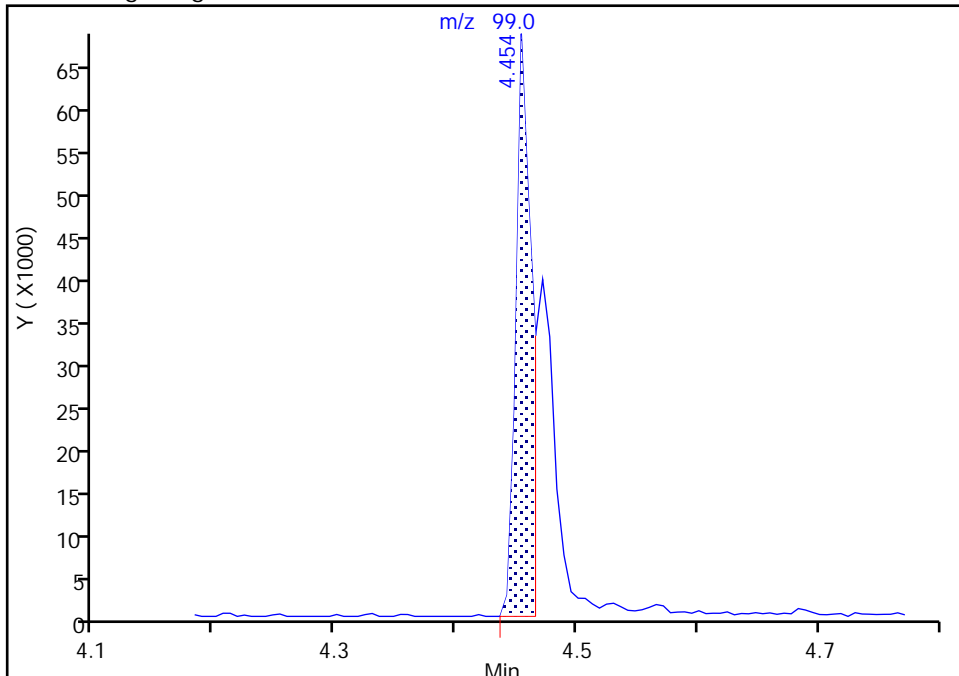
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Injection Date: 23-Mar-2022 10:41:30 Instrument ID: TAC040
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

\$ 8 Phenol-d5, CAS: 4165-62-2

Signal: 1

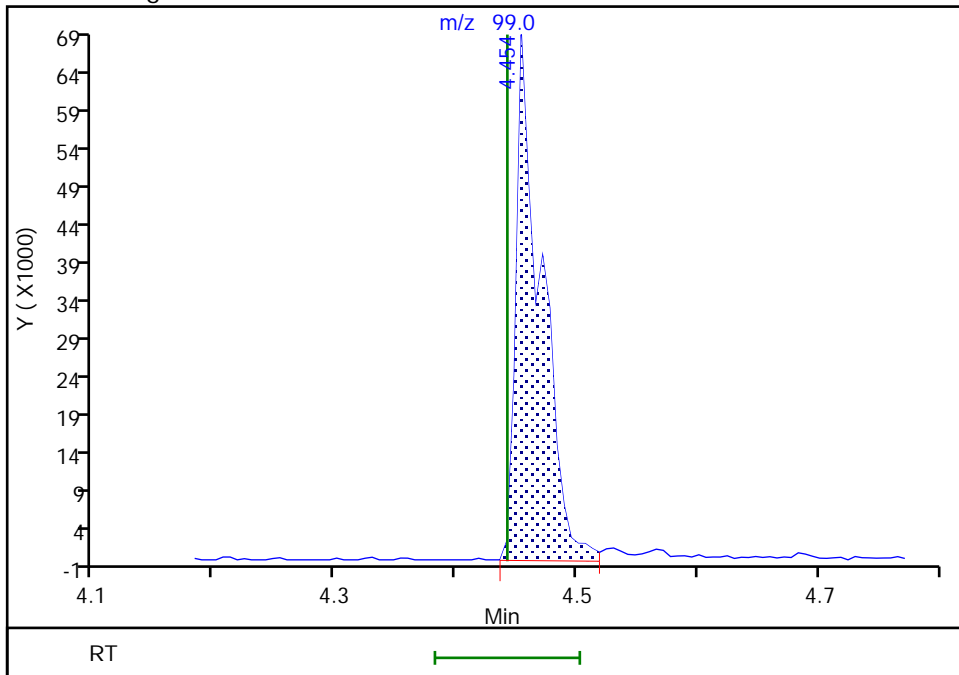
RT: 4.45
Area: 62197
Amount: 222.0919
Amount Units: ug/L

Processing Integration Results



RT: 4.45
Area: 99490
Amount: 355.2570
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 23-Mar-2022 14:45:27
Audit Action: Manually Integrated

Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2803 (RHMW12A) Lab Sample ID: 580-111436-2
 Matrix: Water Lab File ID: 40Scan032322a026.D
 Analysis Method: 8270E Date Collected: 03/15/2022 13:10
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 1050.6 (mL) Date Analyzed: 03/23/2022 21:35
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384865 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.29	U M	0.38	0.29	0.086
95-50-1	1,2-Dichlorobenzene	0.14	U	0.38	0.14	0.048
541-73-1	1,3-Dichlorobenzene	0.086	U Q	0.38	0.086	0.038
106-46-7	1,4-Dichlorobenzene	0.086	U M	0.38	0.086	0.038
95-95-4	2,4,5-Trichlorophenol	0.29	U	0.38	0.29	0.095
88-06-2	2,4,6-Trichlorophenol	0.29	U	0.57	0.29	0.095
120-83-2	2,4-Dichlorophenol	0.48	U	0.95	0.48	0.19
105-67-9	2,4-Dimethylphenol	0.48	U M	3.8	0.48	0.15
51-28-5	2,4-Dinitrophenol	3.0	U Q	4.8	3.0	1.5
121-14-2	2,4-Dinitrotoluene	0.29	U	0.95	0.29	0.095
606-20-2	2,6-Dinitrotoluene	0.29	U M	0.38	0.29	0.095
91-58-7	2-Chloronaphthalene	0.14	U	0.95	0.14	0.067
95-57-8	2-Chlorophenol	0.14	U M	0.95	0.14	0.048
88-75-5	2-Nitrophenol	0.14	U M Q	0.95	0.14	0.067
91-94-1	3,3'-Dichlorobenzidine	0.57	U M Q	0.95	0.57	0.25
534-52-1	4,6-Dinitro-2-methylphenol	1.1	U Q	1.9	1.1	0.52
101-55-3	4-Bromophenyl phenyl ether	0.14	U	0.57	0.14	0.057
59-50-7	4-Chloro-3-methylphenol	0.29	U M	0.57	0.29	0.12
7005-72-3	4-Chlorophenyl phenyl ether	0.14	U	0.57	0.14	0.048
100-02-7	4-Nitrophenol	5.7	U Q	9.5	5.7	1.6
103-33-3	Azobenzene	0.14	U M	1.9	0.14	0.057
108-60-1	bis (2-chloroisopropyl) ether	0.14	U M	0.24	0.14	0.057
111-91-1	Bis(2-chloroethoxy)methane	0.14	U	0.57	0.14	0.048
111-44-4	Bis(2-chloroethyl)ether	0.086	U M	0.095	0.086	0.029
117-81-7	Bis(2-ethylhexyl) phthalate	1.5	U Q	2.9	1.5	0.70
85-68-7	Butyl benzyl phthalate	0.57	U	3.8	0.57	0.26
84-66-2	Diethyl phthalate	0.29	U	0.95	0.29	0.14
131-11-3	Dimethyl phthalate	0.14	U	0.57	0.14	0.057
84-74-2	Di-n-butyl phthalate	0.48	U	2.9	0.48	0.18
117-84-0	Di-n-octyl phthalate	0.29	U M	0.95	0.29	0.12
118-74-1	Hexachlorobenzene	0.086	U	0.57	0.086	0.038
87-68-3	Hexachlorobutadiene	0.14	U Q	0.95	0.14	0.057
77-47-4	Hexachlorocyclopentadiene	0.29	U Q	0.95	0.29	0.13
67-72-1	Hexachloroethane	0.14	U Q	0.95	0.14	0.048

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2803 (RHMW12A) Lab Sample ID: 580-111436-2
 Matrix: Water Lab File ID: 40Scan032322a026.D
 Analysis Method: 8270E Date Collected: 03/15/2022 13:10
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 1050.6 (mL) Date Analyzed: 03/23/2022 21:35
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384865 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.29	U	0.38	0.29	0.095
15831-10-4	m+p-Cresol	0.29	U M	0.57	0.29	0.095
98-95-3	Nitrobenzene	0.086	U	0.95	0.086	0.038
62-75-9	N-Nitrosodimethylamine	0.57	U	1.9	0.57	0.25
621-64-7	N-Nitrosodi-n-propylamine	0.086	U M	0.38	0.086	0.057
86-30-6	N-Nitrosodiphenylamine	0.14	U	0.95	0.14	0.067
95-48-7	o-Cresol	0.14	U M	0.57	0.14	0.048
87-86-5	Pentachlorophenol	0.95	U Q	9.5	0.95	0.49
108-95-2	Phenol	0.57	U	0.95	0.57	0.34
129-00-0	Pyrene	0.086	U M	0.95	0.086	0.038
110-86-1	Pyridine	3.0	U Q	9.5	3.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	75		43-140
321-60-8	2-Fluorobiphenyl	67		44-119
367-12-4	2-Fluorophenol (Surr)	54		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	78		44-120
4165-62-2	Phenol-d5 (Surr)	39		10-120
1718-51-0	Terphenyl-d14	102		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Lims ID: 580-111436-A-2-A
 Client ID: ERH2803 (RHMW12A)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 21:35:30 ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-A-2-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 18:03:19 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw

Date: 24-Mar-2022 18:03:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	93	17604	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	97	67699	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	48	29954	100.0	
* 4 Phenanthrene-d10	188	8.372	8.371	0.001	96	52040	100.0	
* 5 Chrysene-d12	240	10.577	10.571	0.006	93	46784	100.0	
* 6 Perylene-d12	264	12.089	12.083	0.006	95	60305	100.0	
\$ 7 2-Fluorophenol	112	3.659	3.718	0.005	92	125125	535.7	
\$ 8 Phenol-d5	99	4.448	4.466	0.006	0	109102	386.9	
\$ 9 Nitrobenzene-d5	82	5.136	5.148	-0.006	95	213972	779.0	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	99	266995	670.5	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	93	68001	750.5	
\$ 12 Terphenyl-d14	244	9.689	9.689	0.000	96	419464	1017.9	
26 Cyclohexanone	55	4.531	4.589	-0.011	1	1065	NC	
21 n-Decane	57	4.572	4.572	0.000	86	27874	79.4	
40 1,2,4-Trichlorobenzene	180	5.678	5.678	0.001	1	220	1.03	a
41 Naphthalene	128	5.736	5.742	0.000	35	2478	3.60	
46 2-Methylnaphthalene	142	6.301	6.313	-0.006	21	1538	3.61	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	15	878	2.12	
66 Diethyl phthalate	149	7.530	7.530	0.000	77	4752	12.1	
79 Phenanthrene	178	8.389	8.389	0.000	16	1328	2.34	
80 Anthracene	178	8.430	8.430	0.000	15	1004	1.74	
82 2,3-Dichlorobenzeneamine	161	8.460	8.477	-0.017	1	224	NC	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	86	34868	49.3	
88 Nonylphenol	135	9.748	9.736	0.012	0	288	NC	
87 Butyl benzyl phthalate	149	10.107	10.107	0.000	70	4285	15.2	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.630	0.000	95	83975	215.2	
121 DFTPP								

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

MeCl2_CT_00216

Amount Added: 1.00

Units: mL

Run Reagent

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D

Injection Date: 23-Mar-2022 21:35:30

Instrument ID: TAC040

Lims ID: 580-111436-A-2-A

Lab Sample ID: 580-111436-2

Client ID: ERH2803 (RHMW12A)

Operator ID: jcm

ALS Bottle#: 22

Worklist Smp#: 22

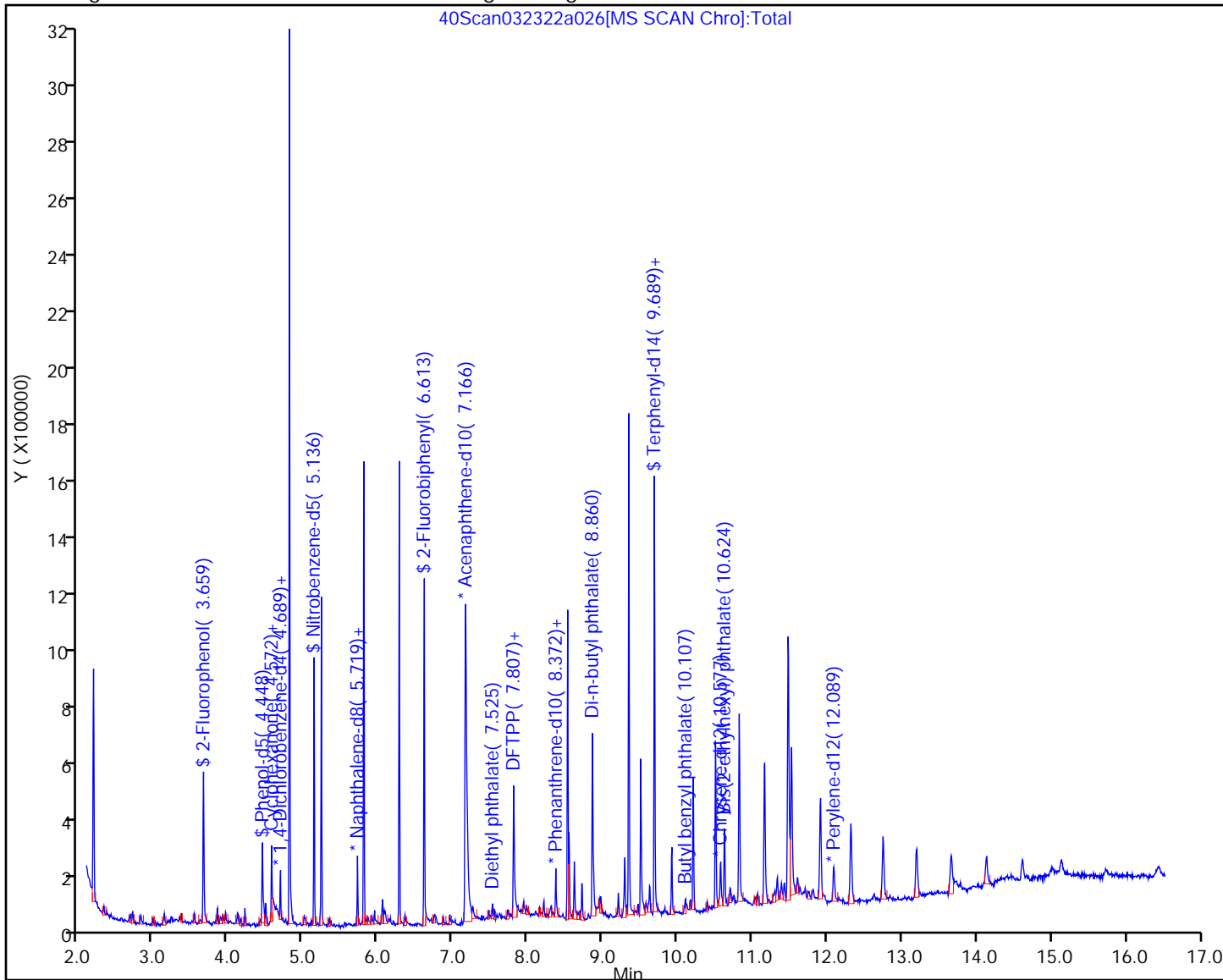
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Lims ID: 580-111436-A-2-A
 Client ID: ERH2803 (RHMW12A)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 21:35:30 ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-A-2-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 18:03:19 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw

Date: 24-Mar-2022 18:03:19

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-Fluorophenol	1000.0	535.7	53.57
\$ 8 Phenol-d5	1000.0	386.9	38.69
\$ 9 Nitrobenzene-d5	1000.0	779.0	77.90
\$ 10 2-Fluorobiphenyl	1000.0	670.5	67.05
\$ 11 2,4,6-Tribromophenol	1000.0	750.5	75.05
\$ 12 Terphenyl-d14	1000.0	1017.9	101.79

Eurofins Seattle

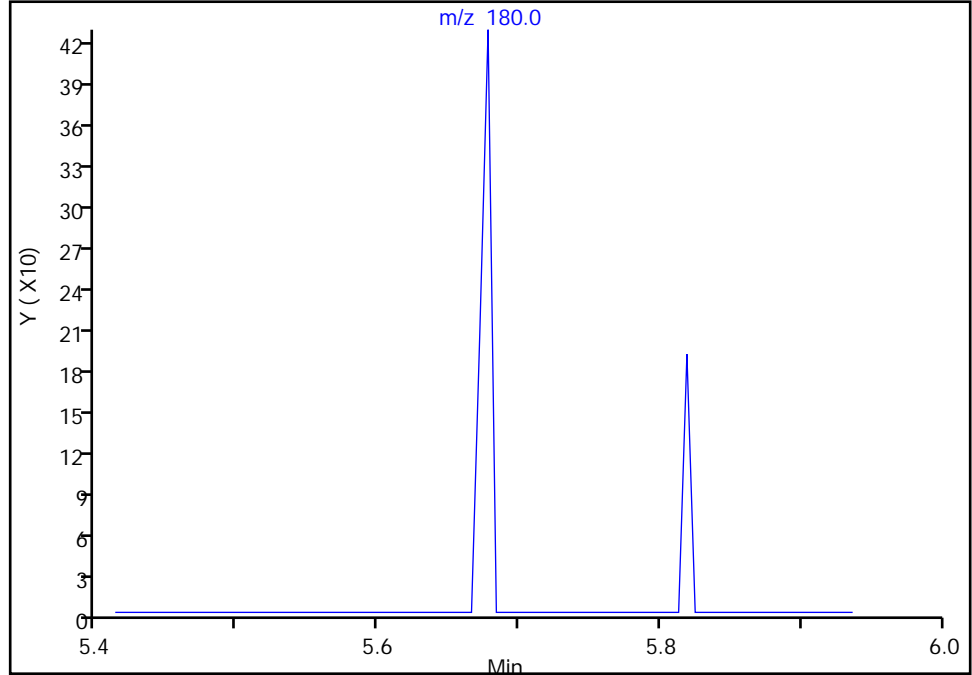
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

40 1,2,4-Trichlorobenzene, CAS: 120-82-1

Signal: 1

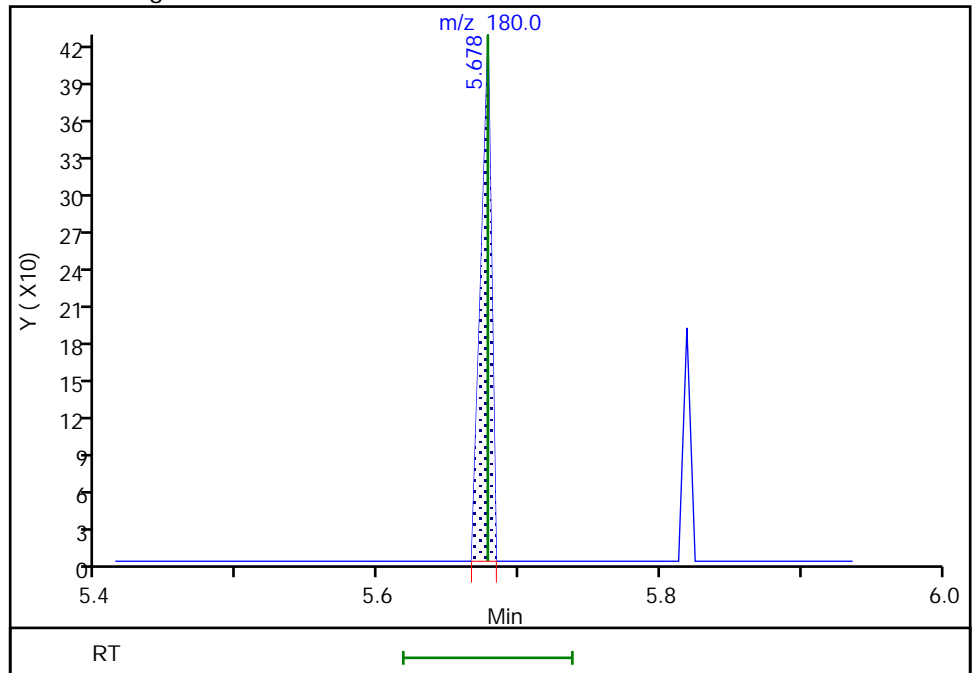
Not Detected
Expected RT: 5.68

Processing Integration Results



Manual Integration Results

RT: 5.68
Area: 220
Amount: 1.032536
Amount Units: ug/L



Reviewer: thaneeratw, 24-Mar-2022 17:58:32
Audit Action: Assigned Compound ID

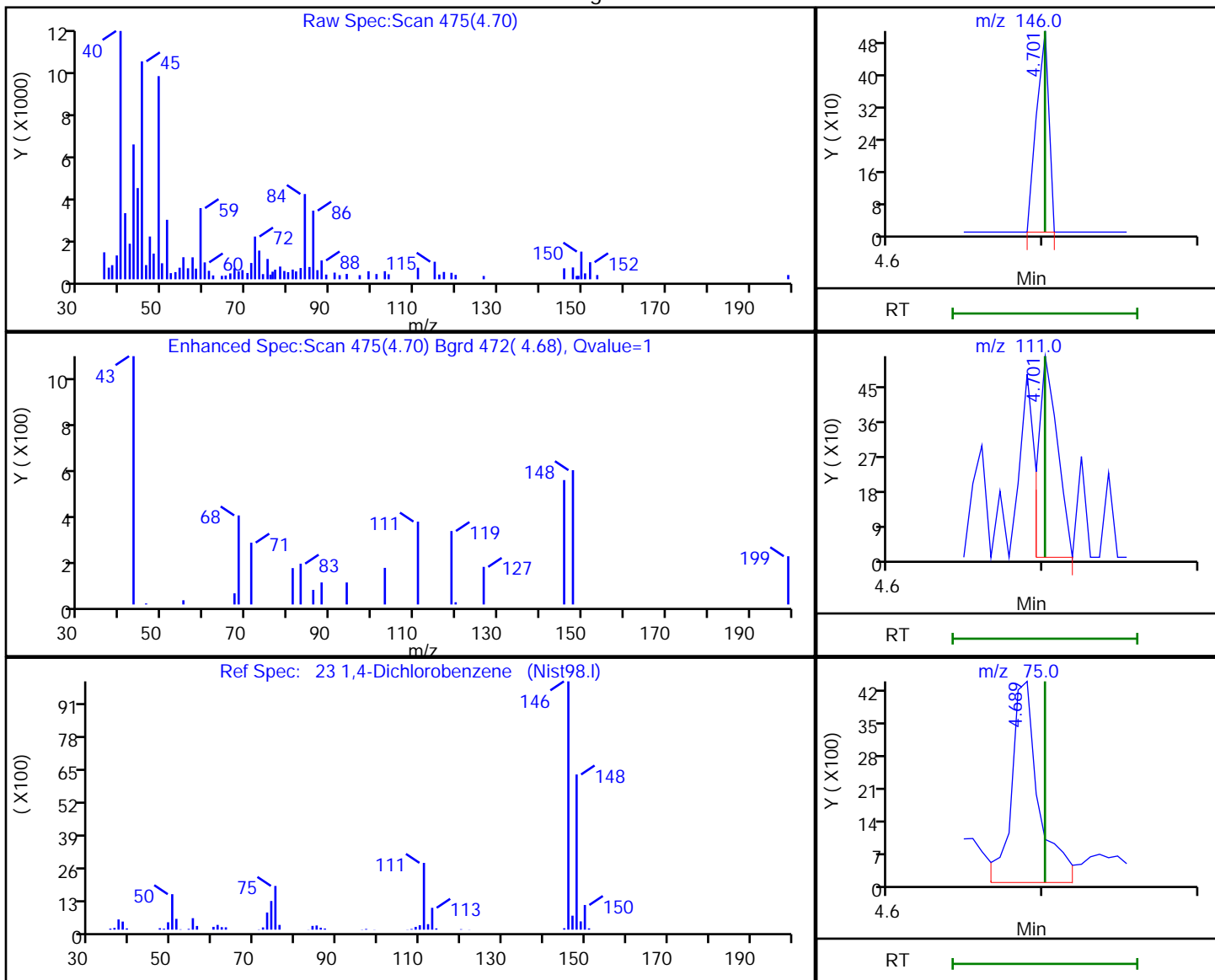
Audit Reason: Peak assignment corrected

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
 Client ID: ERH2803 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

23 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
4.70	146.00	280	1.014245
4.70	111.00	458	
4.69	75.00	5391	

Reviewer: thaneeratw, 24-Mar-2022 17:57:43

Audit Action: Marked Compound Undetected

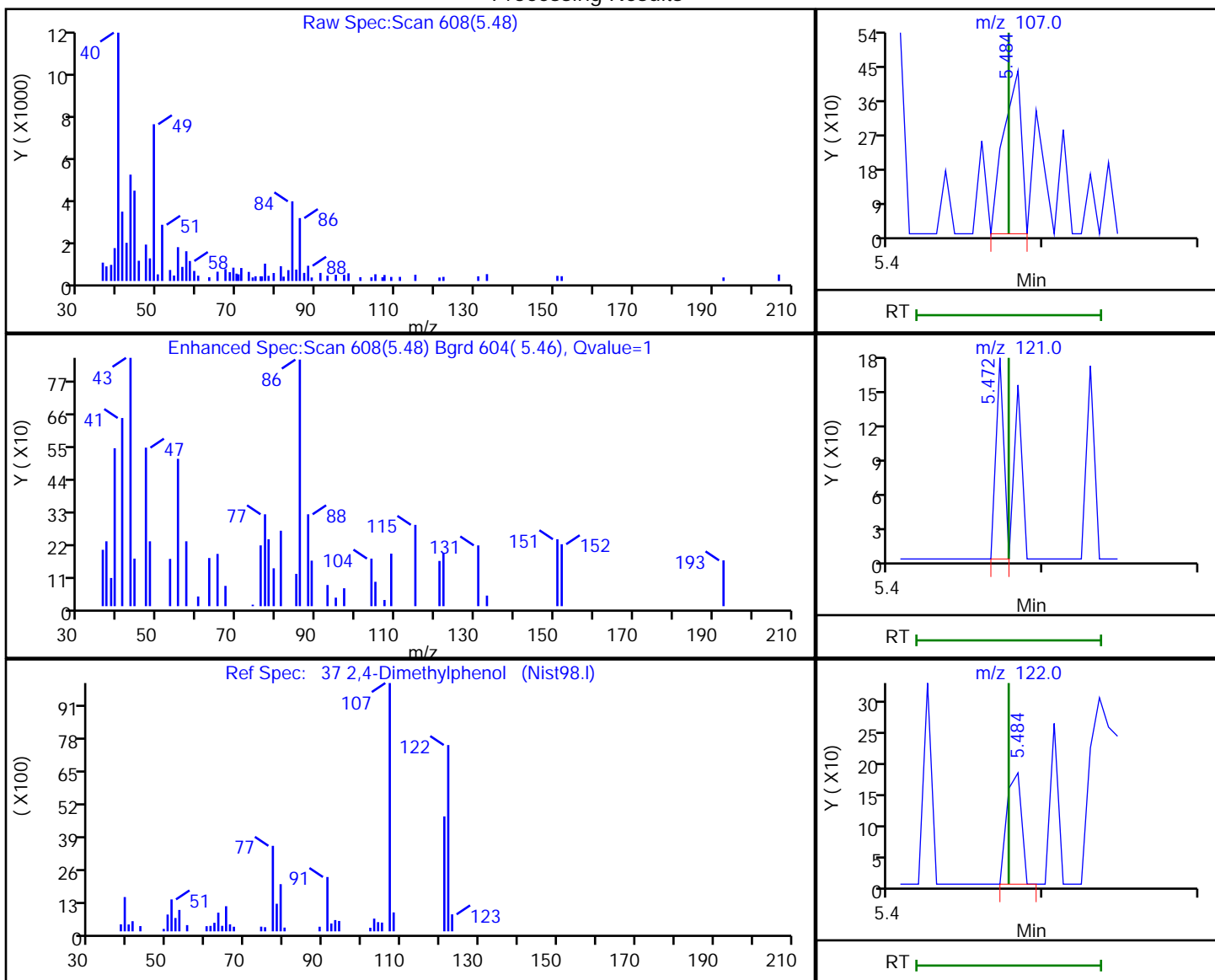
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
 Client ID: ERH2803 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

37 2,4-Dimethylphenol, CAS: 105-67-9

Processing Results



RT	Mass	Response	Amount
5.48	107.00	348	1.501794
5.47	121.00	63	
5.48	122.00	120	

Reviewer: thaneeratw, 24-Mar-2022 17:58:20

Audit Action: Marked Compound Undetected

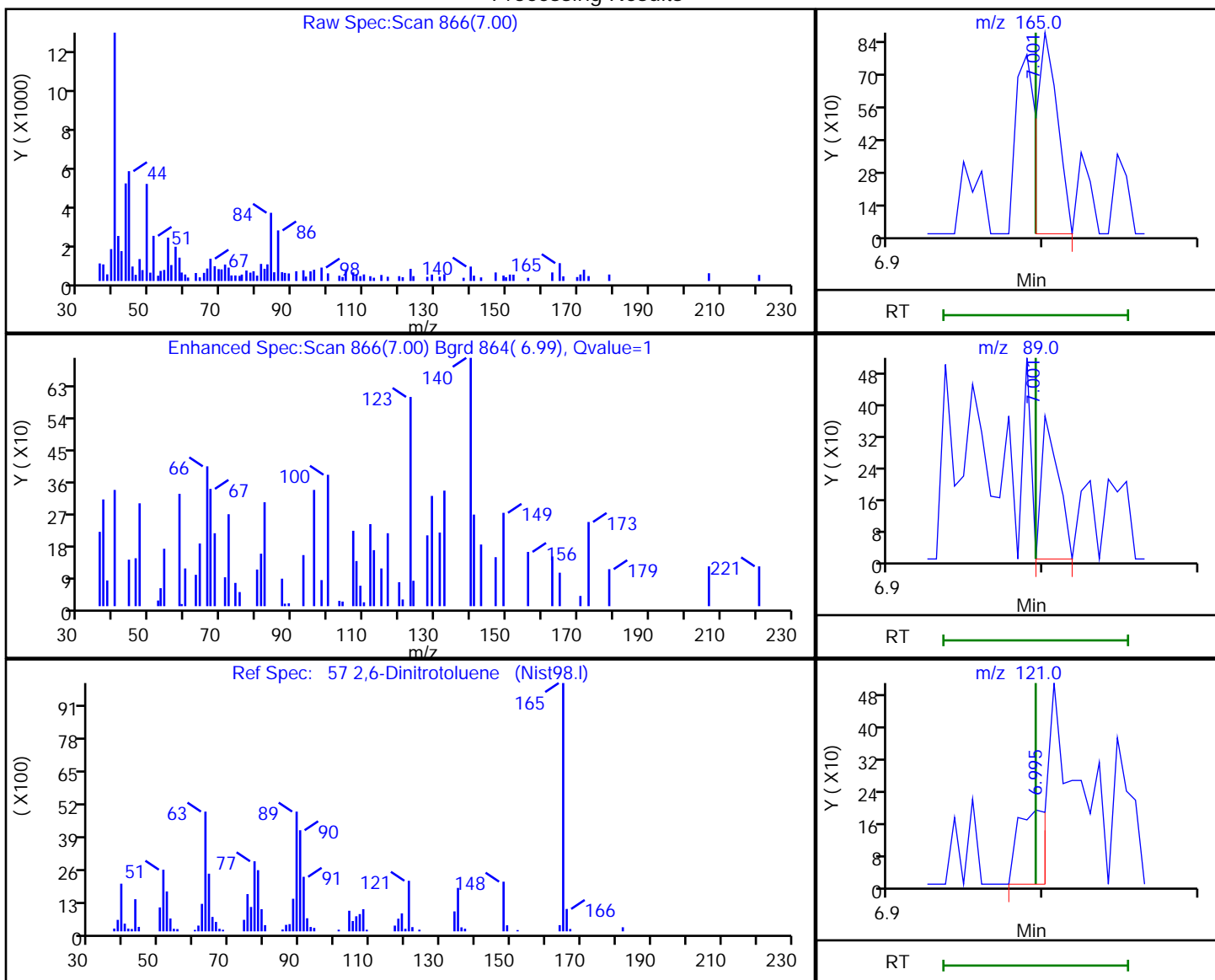
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
 Client ID: ERH2803 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

57 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
7.00	165.00	816	24.054158
7.00	89.00	281	
7.00	121.00	248	

Reviewer: thaneeratw, 24-Mar-2022 17:59:28

Audit Action: Marked Compound Undetected

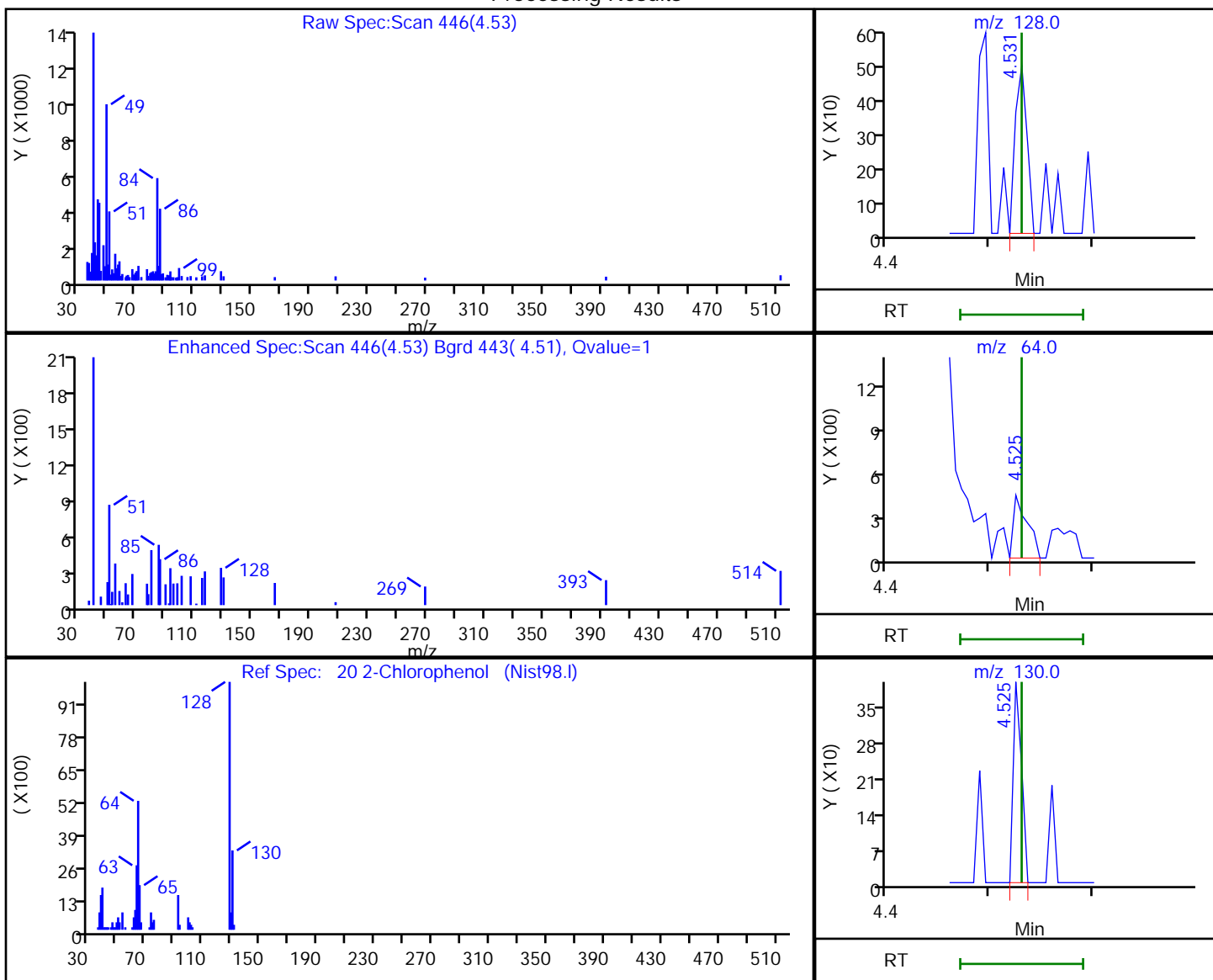
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
 Client ID: ERH2803 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

20 2-Chlorophenol, CAS: 95-57-8

Processing Results



RT	Mass	Response	Amount
4.53	128.00	394	1.646889
4.52	64.00	406	
4.52	130.00	219	

Reviewer: thaneeratw, 24-Mar-2022 17:57:30

Audit Action: Marked Compound Undetected

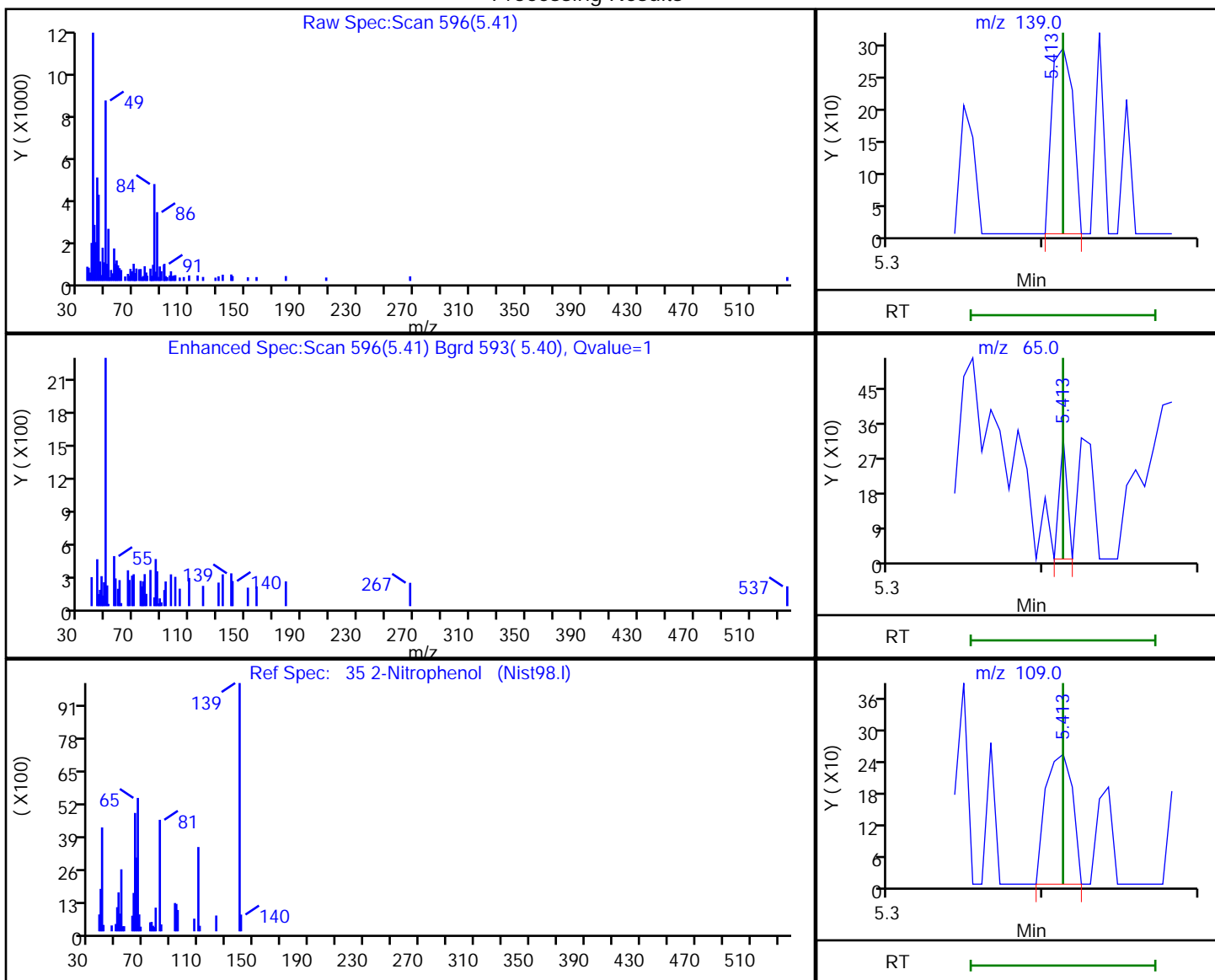
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
 Client ID: ERH2803 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

35 2-Nitrophenol, CAS: 88-75-5

Processing Results



RT	Mass	Response	Amount
5.41	139.00	277	2.545230
5.41	65.00	112	
5.41	109.00	303	

Reviewer: thaneeratw, 24-Mar-2022 17:58:17

Audit Action: Marked Compound Undetected

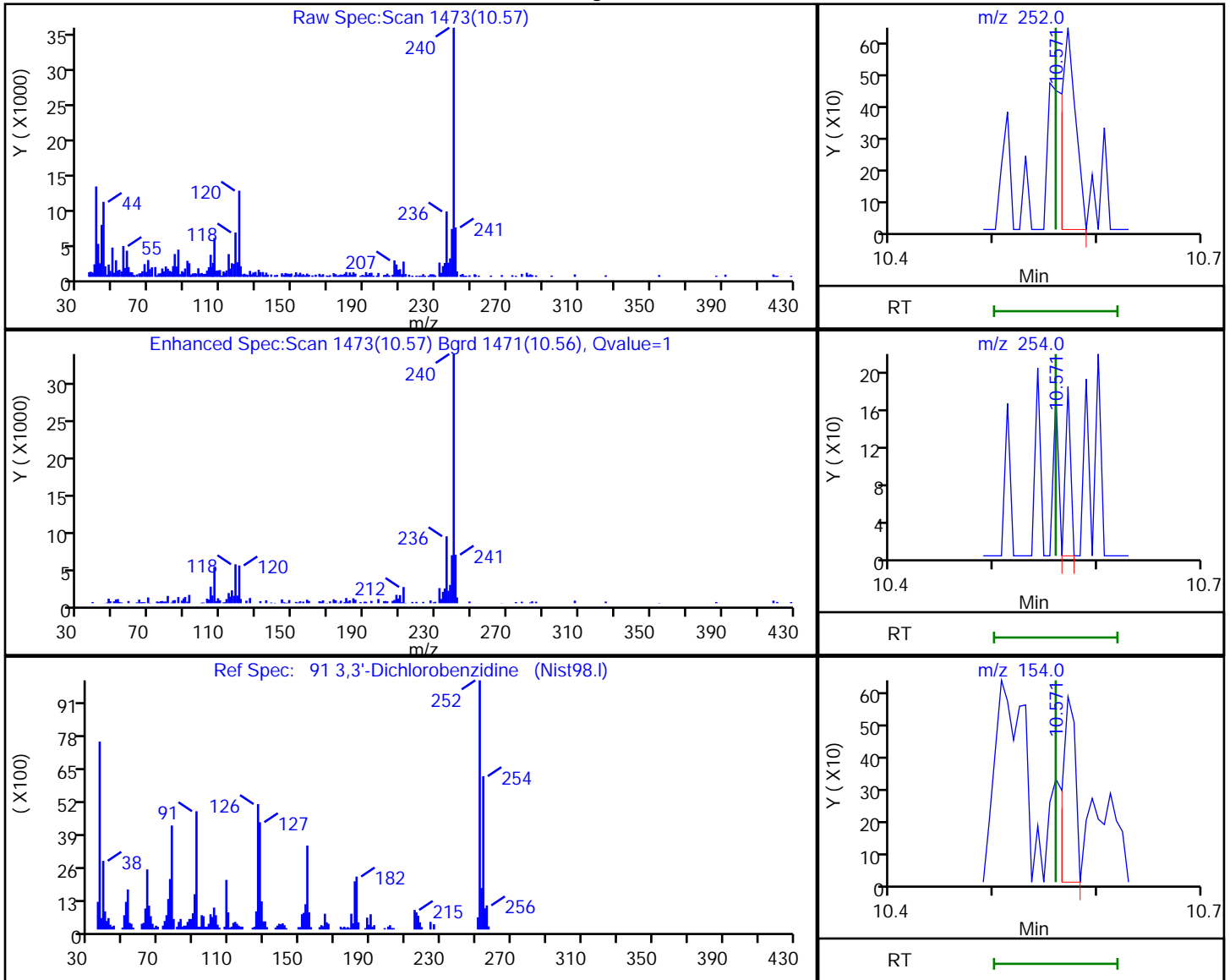
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
 Client ID: ERH2803 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

91 3,3'-Dichlorobenzidine, CAS: 91-94-1

Processing Results



RT	Mass	Response	Amount
10.57	252.00	596	3.659951
10.57	254.00	64	
10.57	154.00	482	

Reviewer: thaneeratw, 24-Mar-2022 18:01:45
 Audit Action: Marked Compound Undetected

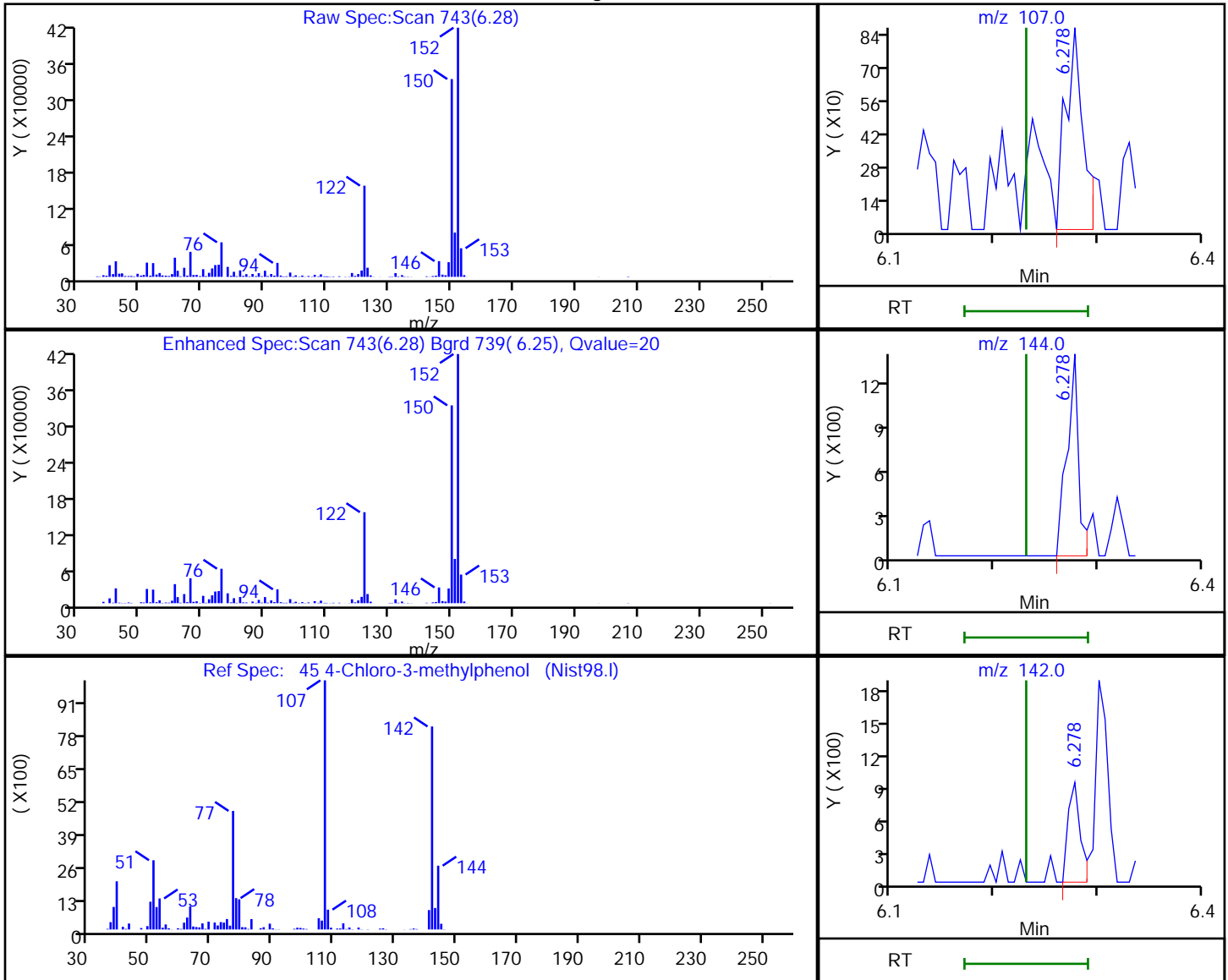
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
 Client ID: ERH2803 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

45 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
6.28	107.00	1013	27.720787
6.28	144.00	1075	
6.28	142.00	769	

Reviewer: thaneeratw, 24-Mar-2022 17:58:44
 Audit Action: Marked Compound Undetected

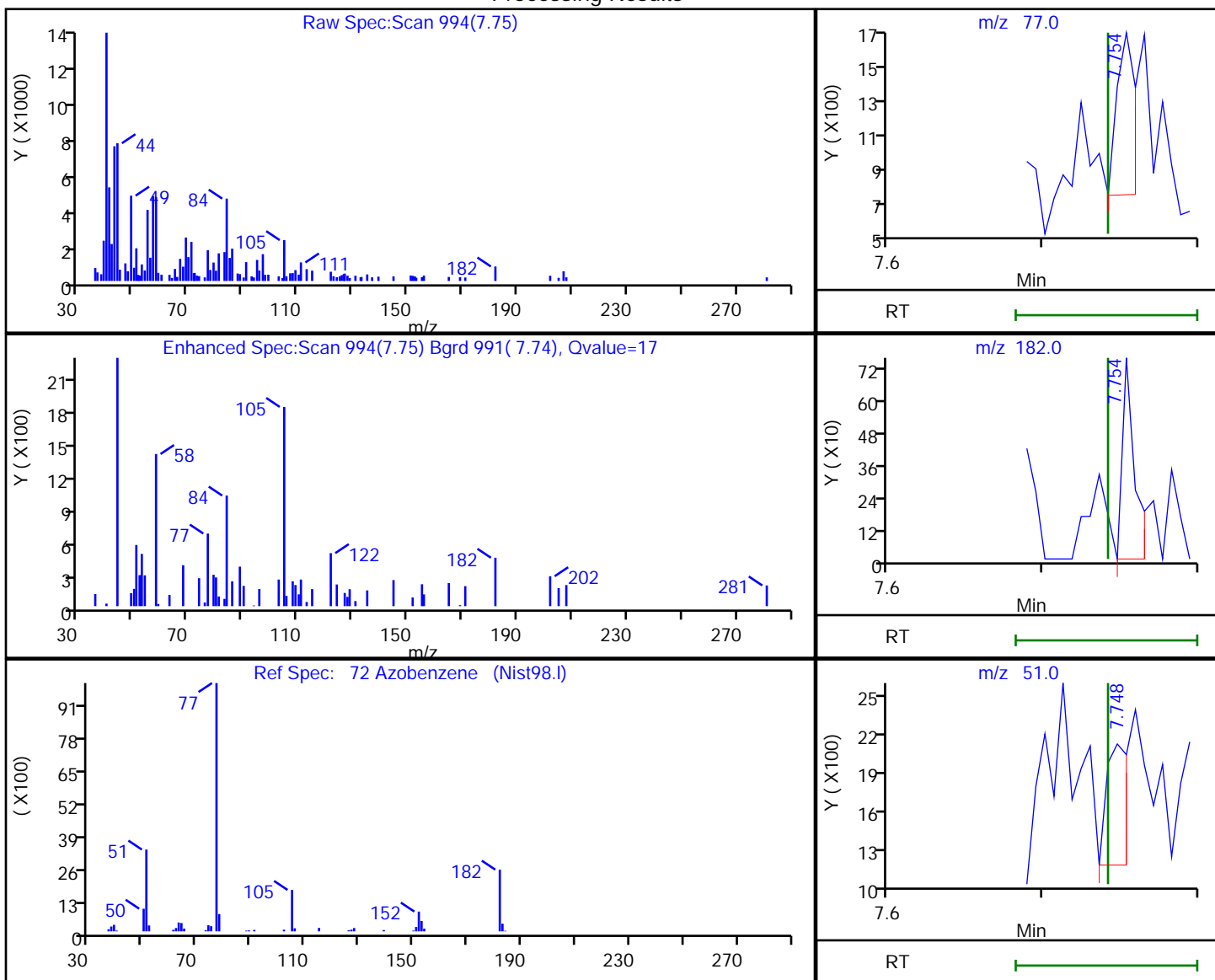
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
 Client ID: ERH2803 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

72 Azobenzene, CAS: 103-33-3

Processing Results



RT	Mass	Response	Amount
7.75	77.00	731	1.398552
7.75	182.00	423	
7.75	51.00	932	

Reviewer: thaneeratw, 24-Mar-2022 18:00:51

Audit Action: Marked Compound Undetected

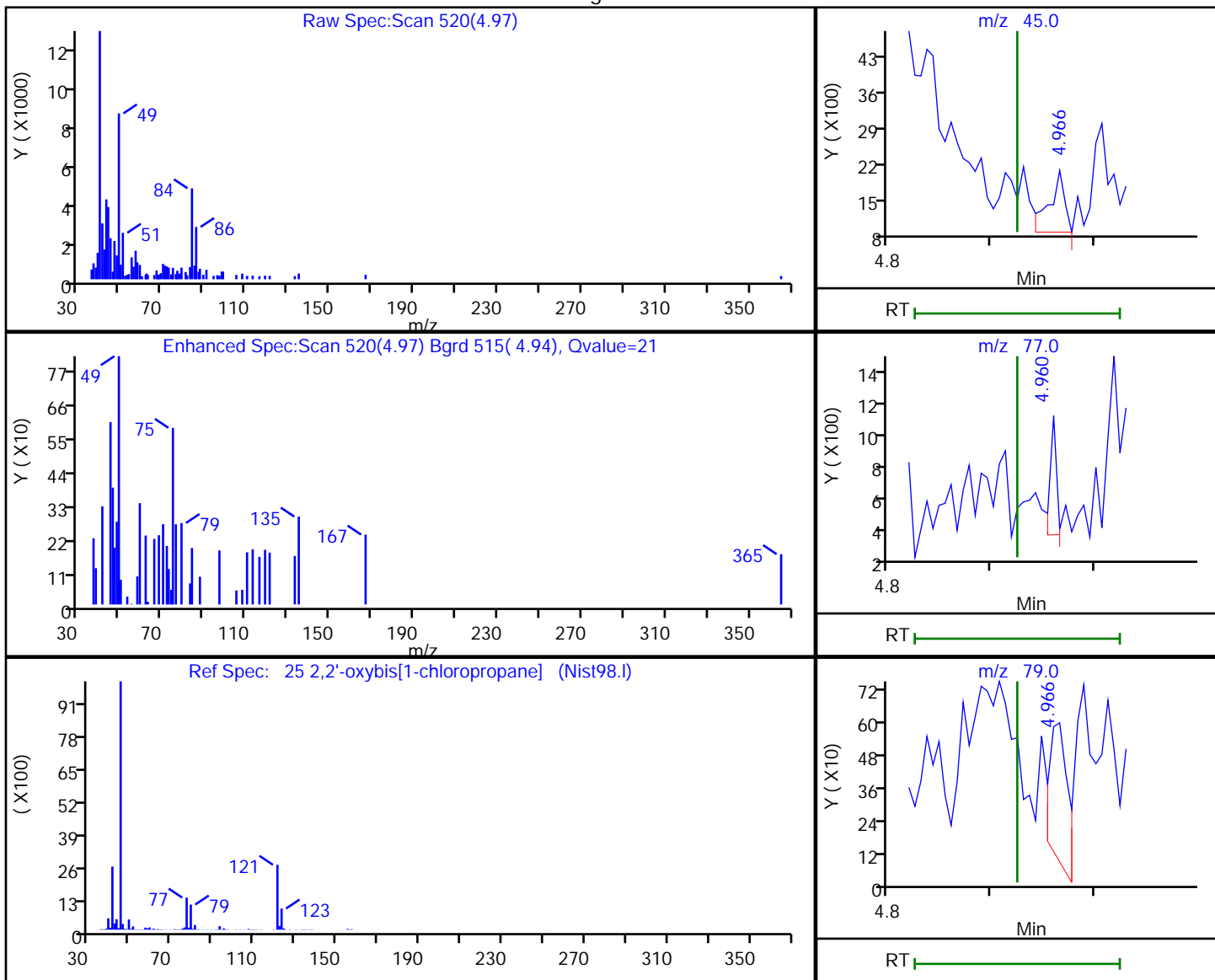
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
 Client ID: ERH2803 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

25 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.97	45.00	1256	2.895927
4.96	77.00	321	
4.97	79.00	641	

Reviewer: thaneeratw, 24-Mar-2022 17:57:53

Audit Action: Marked Compound Undetected

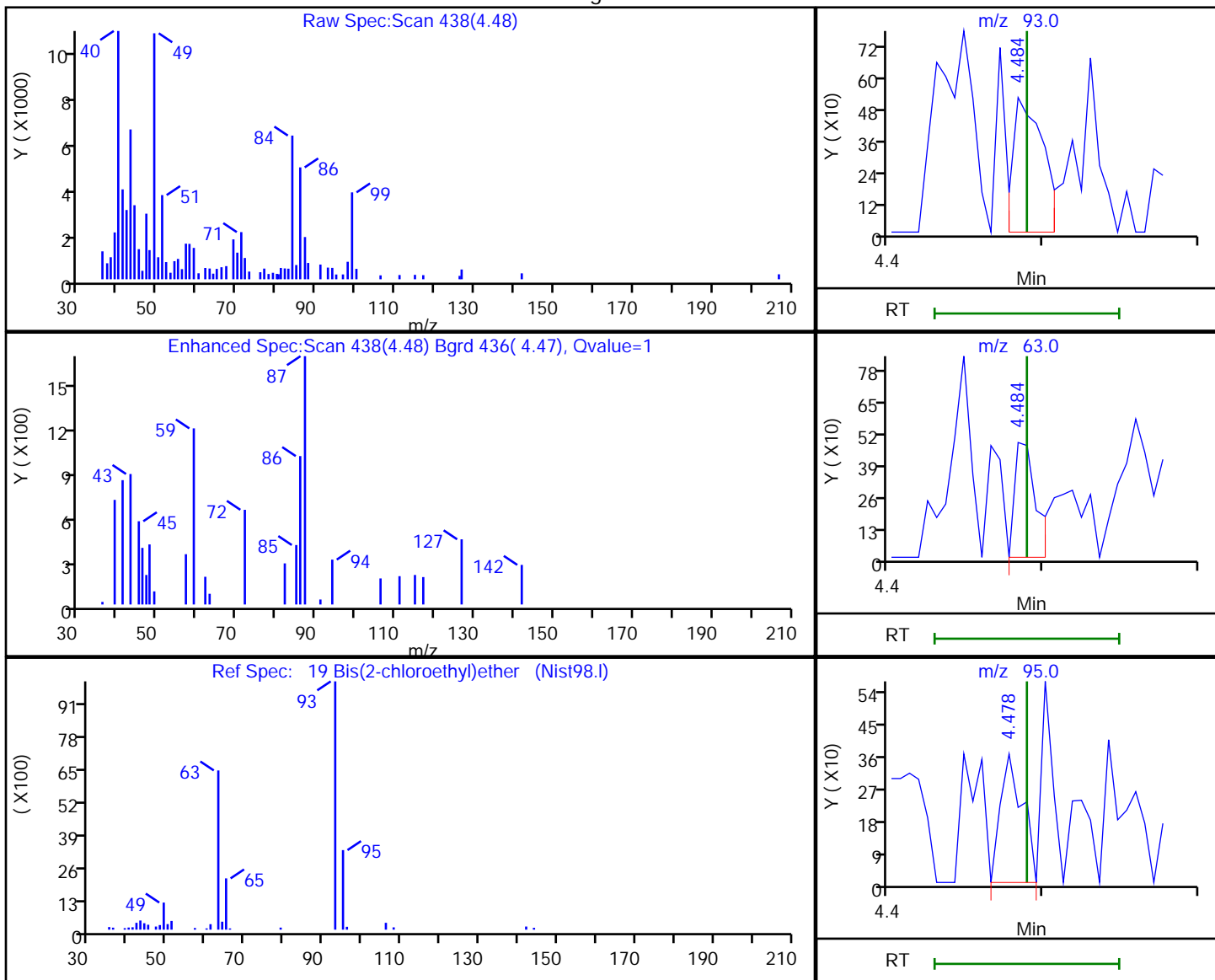
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
 Client ID: ERH2803 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

19 Bis(2-chloroethyl)ether, CAS: 111-44-4

Processing Results



RT	Mass	Response	Amount
4.48	93.00	714	3.101761
4.48	63.00	459	
4.48	95.00	359	

Reviewer: thaneeratw, 24-Mar-2022 17:57:25

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Seattle

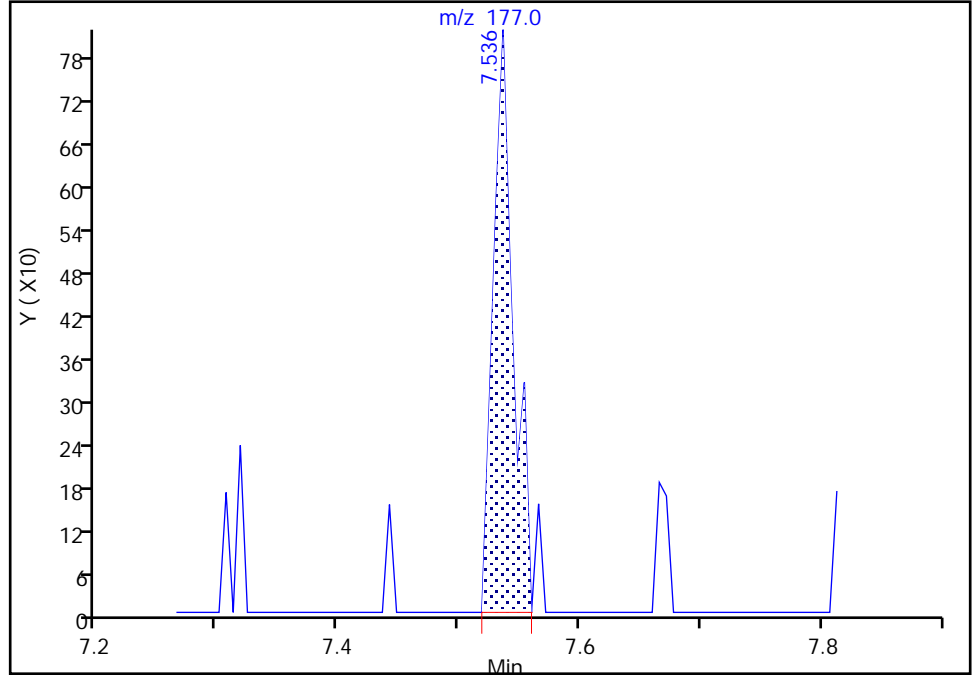
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

66 Diethyl phthalate, CAS: 84-66-2

Signal: 2

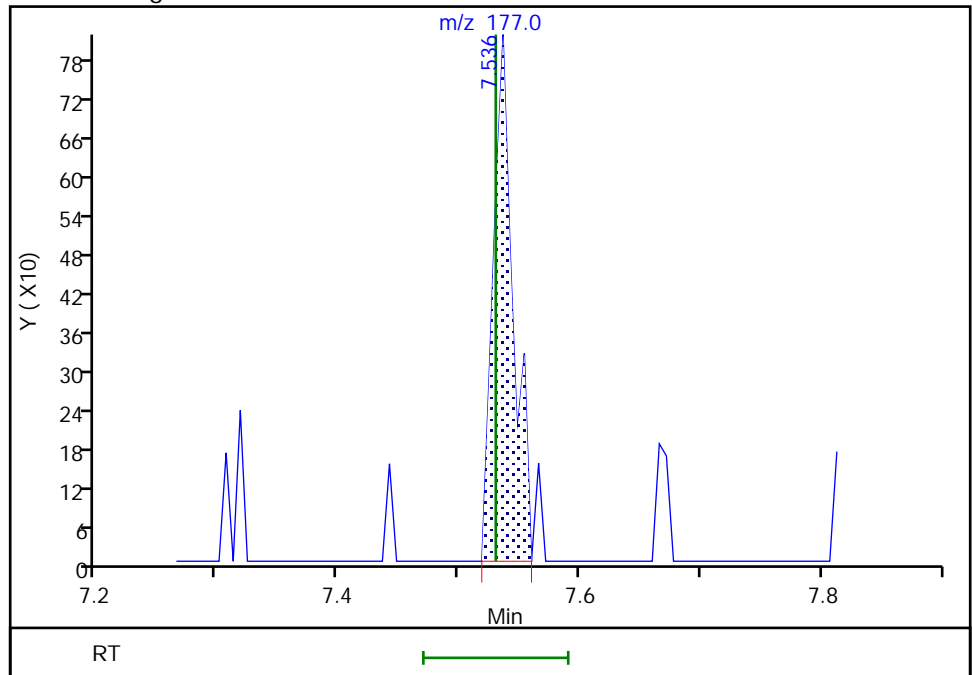
RT: 7.54
Area: 943
Amount: 12.078302
Amount Units: ug/L

Processing Integration Results



RT: 7.54
Area: 943
Amount: 12.078302
Amount Units: ug/L

Manual Integration Results



Reviewer: thaneeratw, 24-Mar-2022 17:59:46
Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Seattle

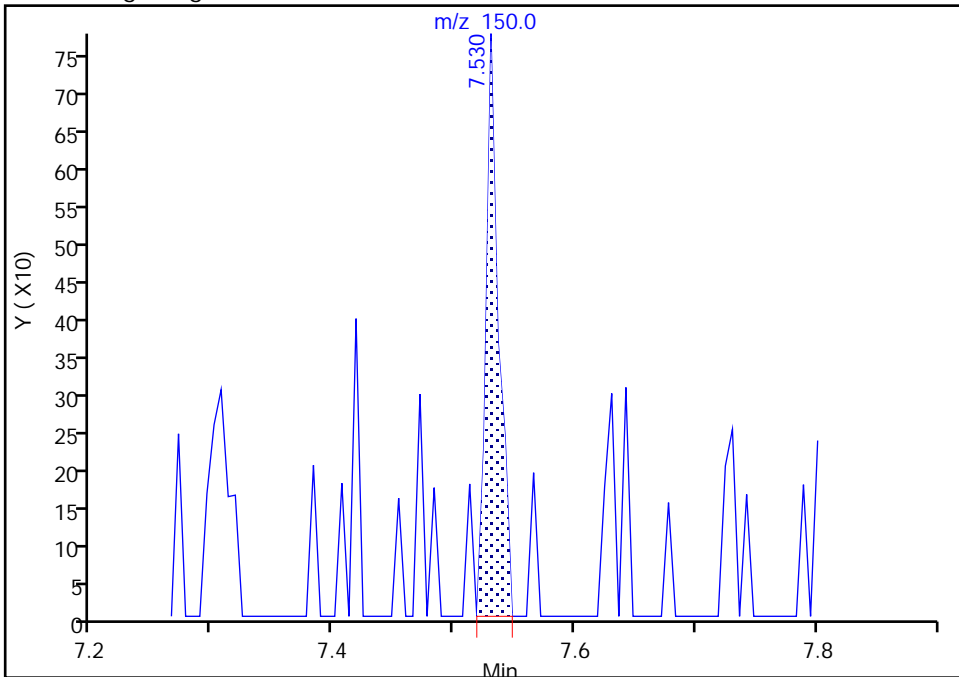
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

66 Diethyl phthalate, CAS: 84-66-2

Signal: 3

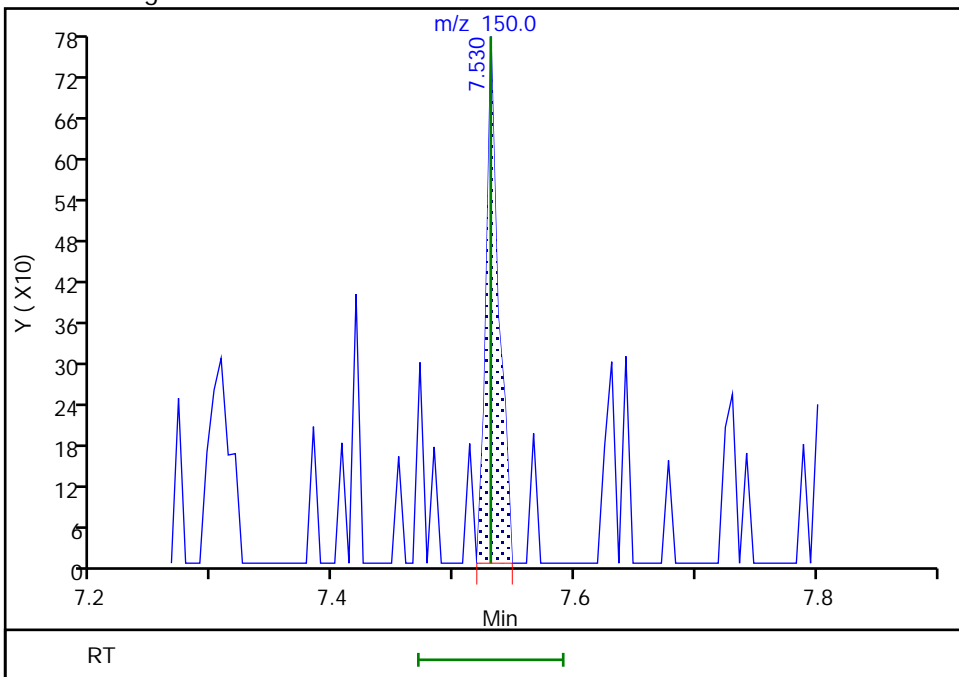
RT: 7.53
Area: 571
Amount: 12.078302
Amount Units: ug/L

Processing Integration Results



RT: 7.53
Area: 571
Amount: 12.078302
Amount Units: ug/L

Manual Integration Results

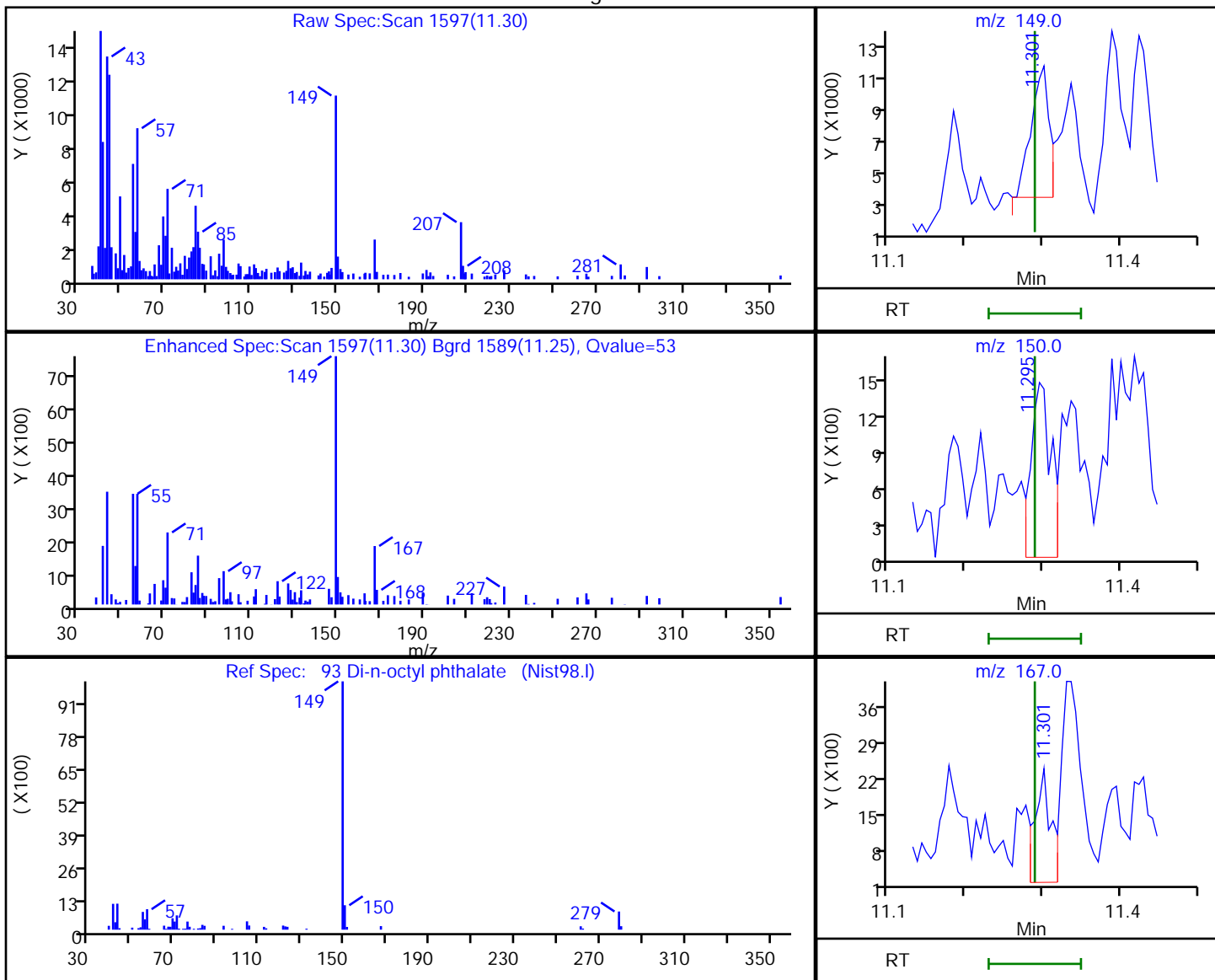


Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
 Client ID: ERH2803 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

93 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.30	149.00	12808	39.567298
11.29	150.00	2596	
11.30	167.00	3306	

Reviewer: thaneeratw, 24-Mar-2022 18:02:20

Audit Action: Marked Compound Undetected

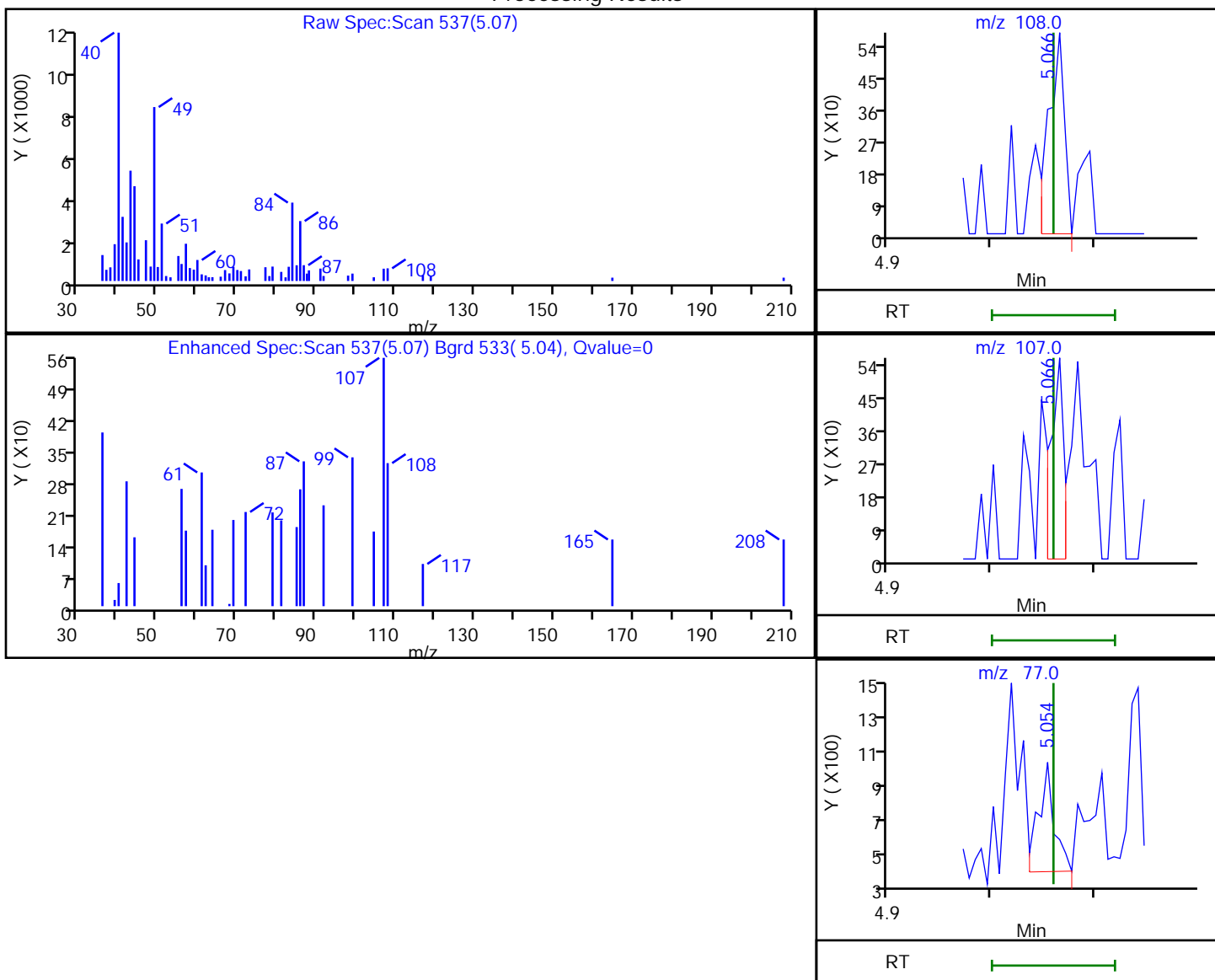
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
 Client ID: ERH2803 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

32 3 & 4 Methylphenol, CAS: 15831-10-4

Processing Results



RT	Mass	Response	Amount
5.07	108.00	607	2.759800
5.07	107.00	503	
5.05	77.00	652	

Reviewer: thaneeratw, 24-Mar-2022 17:58:03

Audit Action: Marked Compound Undetected

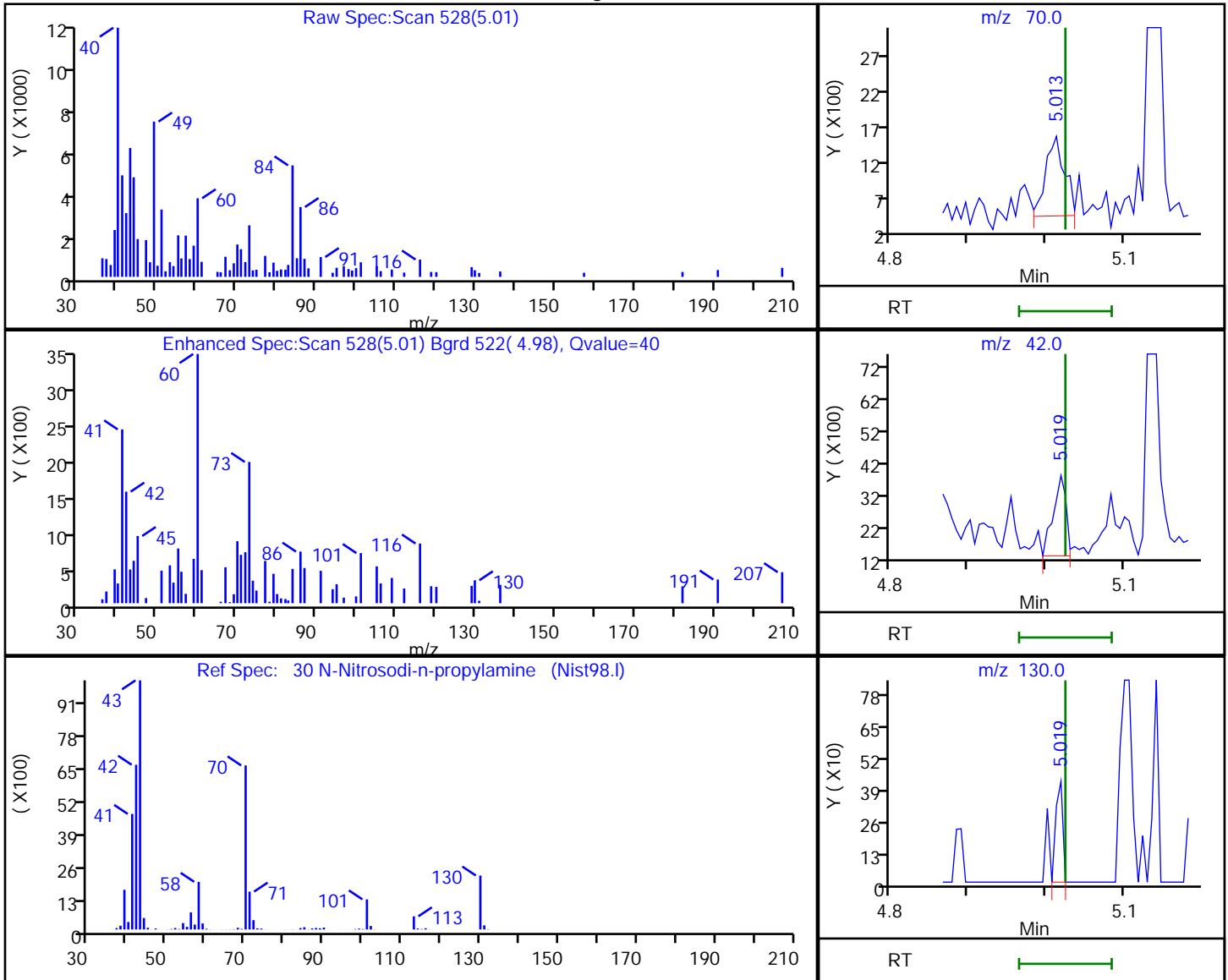
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
 Client ID: ERH2803 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

30 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Processing Results



RT	Mass	Response	Amount
5.01	70.00	1915	9.213984
5.02	42.00	2886	
5.02	130.00	258	

Reviewer: thaneeratw, 24-Mar-2022 17:58:00
 Audit Action: Marked Compound Undetected

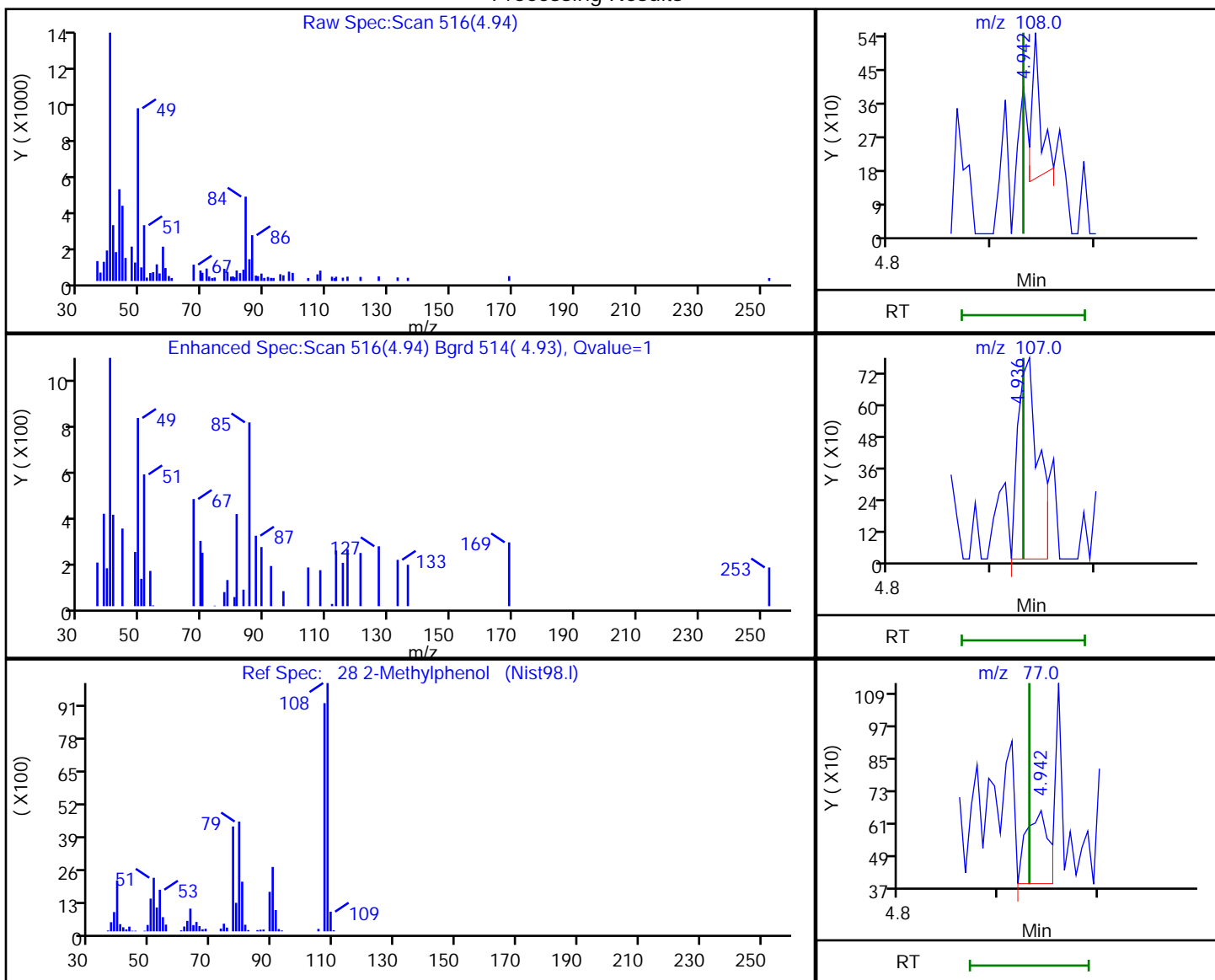
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
 Client ID: ERH2803 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

28 2-Methylphenol, CAS: 95-48-7

Processing Results



RT	Mass	Response	Amount
4.94	108.00	236	1.062917
4.94	107.00	1085	
4.94	77.00	429	

Reviewer: thaneeratw, 24-Mar-2022 17:57:55

Audit Action: Marked Compound Undetected

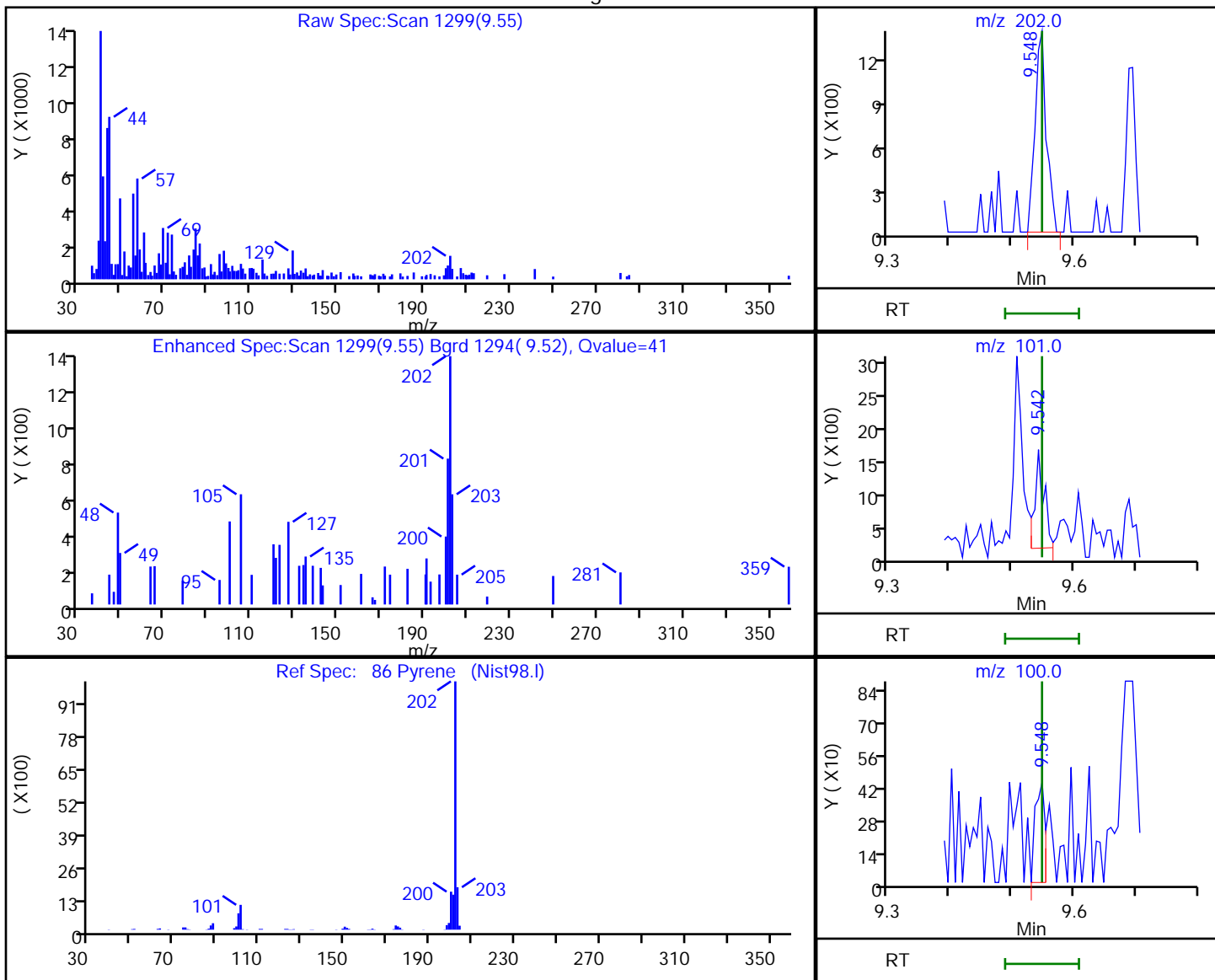
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a026.D
 Injection Date: 23-Mar-2022 21:35:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
 Client ID: ERH2803 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

86 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
9.55	202.00	1679	2.675047
9.54	101.00	1547	
9.55	100.00	482	

Reviewer: thaneeratw, 24-Mar-2022 18:01:34

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2804 (RHMW12A) Lab Sample ID: 580-111436-3
 Matrix: Water Lab File ID: 40Scan032322a027.D
 Analysis Method: 8270E Date Collected: 03/15/2022 13:10
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 991.3(mL) Date Analyzed: 03/23/2022 21:58
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384865 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U	0.40	0.30	0.091
95-50-1	1,2-Dichlorobenzene	0.15	U	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.091	U Q	0.40	0.091	0.040
106-46-7	1,4-Dichlorobenzene	0.091	U	0.40	0.091	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.61	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U Q	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U M	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.071
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U Q	1.0	0.15	0.071
91-94-1	3,3'-Dichlorobenzidine	0.61	U M Q	1.0	0.61	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U Q	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.61	0.15	0.061
59-50-7	4-Chloro-3-methylphenol	0.30	U M	0.61	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.61	0.15	0.050
100-02-7	4-Nitrophenol	6.1	U Q	10	6.1	1.7
103-33-3	Azobenzene	0.15	U M	2.0	0.15	0.061
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.061
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.61	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.091	U M	0.10	0.091	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U Q	3.0	1.6	0.75
85-68-7	Butyl benzyl phthalate	0.61	U	4.0	0.61	0.27
84-66-2	Diethyl phthalate	0.30	U	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U M	0.61	0.15	0.061
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.091	U	0.61	0.091	0.040
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.061
77-47-4	Hexachlorocyclopentadiene	0.30	U Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.050

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2804 (RHMW12A) Lab Sample ID: 580-111436-3
 Matrix: Water Lab File ID: 40Scan032322a027.D
 Analysis Method: 8270E Date Collected: 03/15/2022 13:10
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 991.3(mL) Date Analyzed: 03/23/2022 21:58
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384865 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U M	0.61	0.30	0.10
98-95-3	Nitrobenzene	0.091	U	1.0	0.091	0.040
62-75-9	N-Nitrosodimethylamine	0.61	U	2.0	0.61	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.091	U M	0.40	0.091	0.061
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.071
95-48-7	o-Cresol	0.15	U M	0.61	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U Q	10	1.0	0.51
108-95-2	Phenol	0.61	U	1.0	0.61	0.36
129-00-0	Pyrene	0.091	U	1.0	0.091	0.040
110-86-1	Pyridine	3.2	U Q	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	83		43-140
321-60-8	2-Fluorobiphenyl	66		44-119
367-12-4	2-Fluorophenol (Surr)	51		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	74		44-120
4165-62-2	Phenol-d5 (Surr)	36		10-120
1718-51-0	Terphenyl-d14	110		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a027.D
 Lims ID: 580-111436-B-3-A
 Client ID: ERH2804 (RHMW12A)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 21:58:30 ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-3-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 18:07:33 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw

Date: 24-Mar-2022 18:07:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	94	16987	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	66424	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	88	29392	100.0	
* 4 Phenanthrene-d10	188	8.372	8.371	0.001	96	50783	100.0	
* 5 Chrysene-d12	240	10.577	10.571	0.006	94	46295	100.0	
* 6 Perylene-d12	264	12.089	12.083	0.006	95	55233	100.0	
\$ 7 2-Fluorophenol	112	3.659	3.718	0.005	92	114552	508.3	
\$ 8 Phenol-d5	99	4.448	4.466	0.006	0	99153	364.4	
\$ 9 Nitrobenzene-d5	82	5.136	5.148	-0.006	94	200698	744.7	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	99	257610	659.3	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	92	73893	833.0	
\$ 12 Terphenyl-d14	244	9.689	9.689	0.000	96	441454	1097.8	
26 Cyclohexanone	55	4.536	4.589	-0.006	1	580	NC	
21 n-Decane	57	4.572	4.572	0.000	62	23841	68.6	
29 Acetophenone	105	5.019	5.019	0.000	53	2396	7.64	
41 Naphthalene	128	5.736	5.742	0.000	53	3959	5.87	
46 2-Methylnaphthalene	142	6.301	6.313	-0.006	21	1323	3.16	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	11	636	1.57	a
55 Dimethyl phthalate	163	6.954	6.954	0.000	75	4966	13.8	a
66 Diethyl phthalate	149	7.530	7.530	0.000	40	1954	5.06	
82 2,3-Dichlorobenzeneamine	161	8.424	8.477	-0.053	1	269	NC	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	95	57433	83.2	
88 Nonylphenol	135	9.742	9.736	0.006	0	700	NC	
87 Butyl benzyl phthalate	149	10.107	10.107	0.000	75	6439	23.1	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.630	0.000	96	126961	328.8	
121 DFTPP								

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

MeCl2_CT_00216

Amount Added: 1.00

Units: mL

Run Reagent

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a027.D

Injection Date: 23-Mar-2022 21:58:30

Instrument ID: TAC040

Lims ID: 580-111436-B-3-A

Lab Sample ID: 580-111436-3

Client ID: ERH2804 (RHMW12A)

Operator ID: jcm

ALS Bottle#: 23

Worklist Smp#: 23

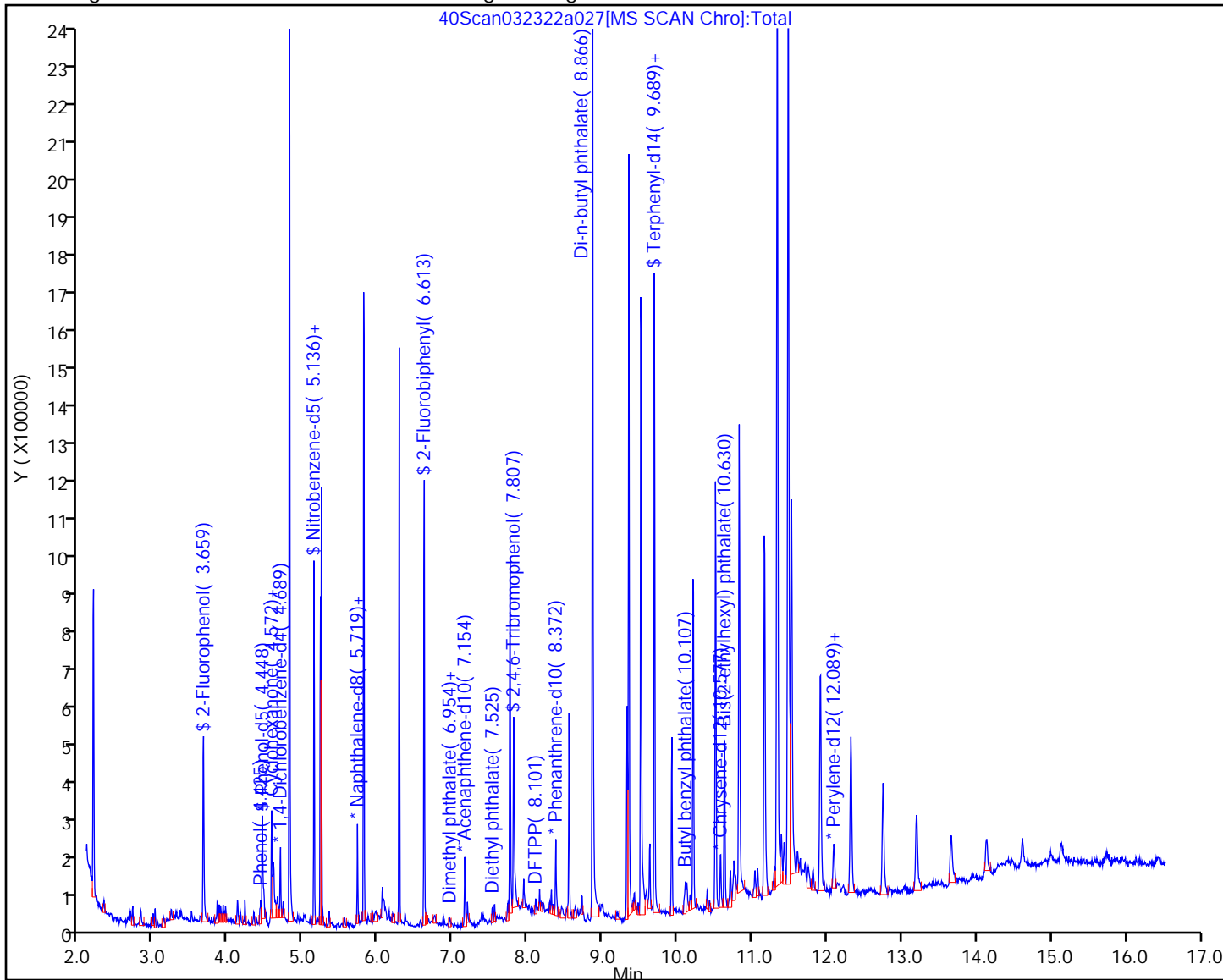
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a027.D
 Lims ID: 580-111436-B-3-A
 Client ID: ERH2804 (RHMW12A)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 21:58:30 ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-3-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 18:07:33 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw

Date: 24-Mar-2022 18:07:33

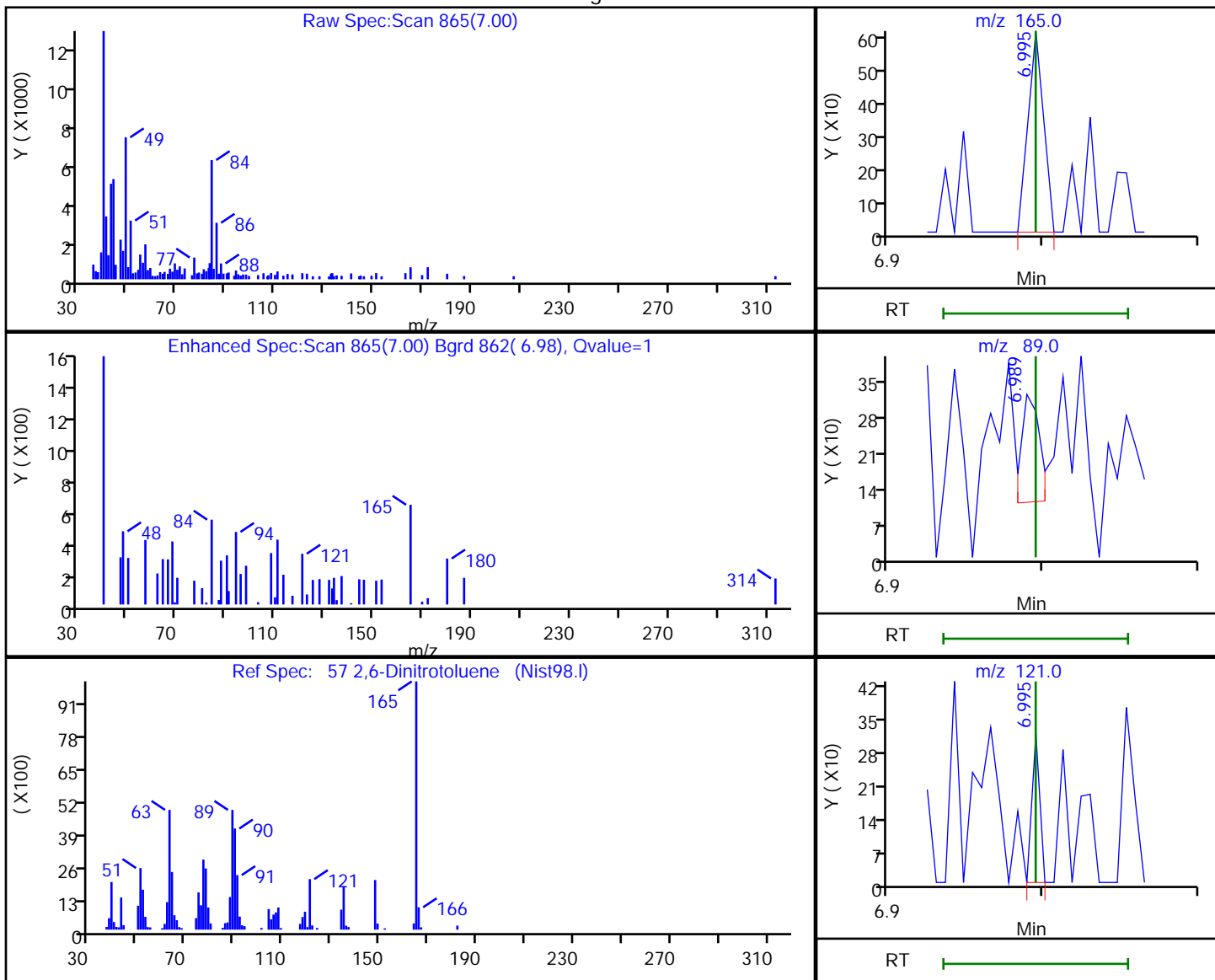
Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-Fluorophenol	1000.0	508.3	50.83
\$ 8 Phenol-d5	1000.0	364.4	36.44
\$ 9 Nitrobenzene-d5	1000.0	744.7	74.47
\$ 10 2-Fluorobiphenyl	1000.0	659.3	65.93
\$ 11 2,4,6-Tribromophenol	1000.0	833.0	83.30
\$ 12 Terphenyl-d14	1000.0	1097.8	109.78

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a027.D
 Injection Date: 23-Mar-2022 21:58:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
 Client ID: ERH2804 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

57 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
7.00	165.00	432	19.598760
6.99	89.00	180	
7.00	121.00	111	

Reviewer: thaneeratw, 24-Mar-2022 18:05:38

Audit Action: Marked Compound Undetected

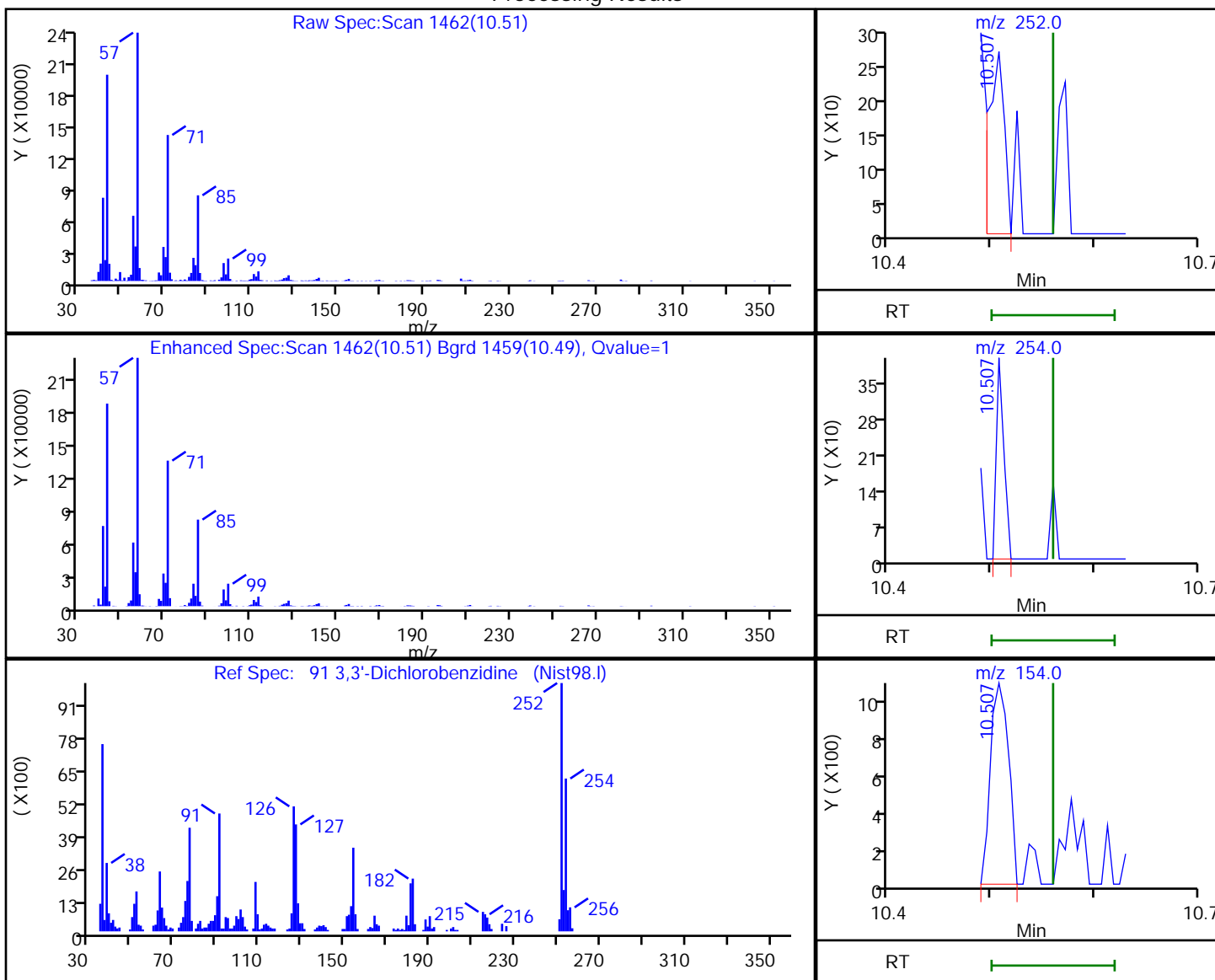
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a027.D
 Injection Date: 23-Mar-2022 21:58:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
 Client ID: ERH2804 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

91 3,3'-Dichlorobenzidine, CAS: 91-94-1

Processing Results



RT	Mass	Response	Amount
10.51	252.00	284	1.762425
10.51	254.00	203	
10.51	154.00	1314	

Reviewer: thaneeratw, 24-Mar-2022 18:06:39

Audit Action: Marked Compound Undetected

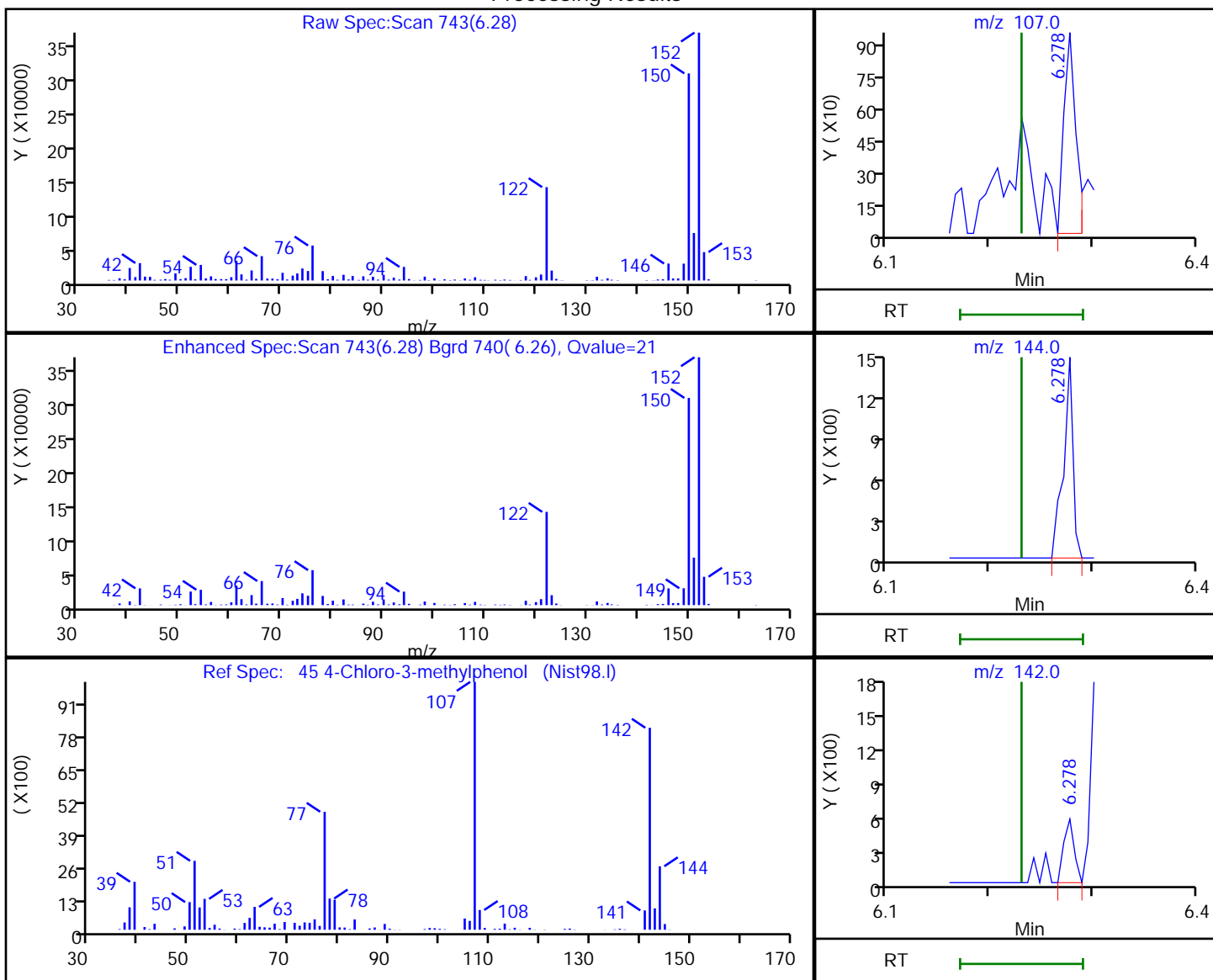
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a027.D
 Injection Date: 23-Mar-2022 21:58:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
 Client ID: ERH2804 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

45 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
6.28	107.00	780	26.355977
6.28	144.00	933	
6.28	142.00	388	

Reviewer: thaneeratw, 24-Mar-2022 18:04:46

Audit Action: Marked Compound Undetected

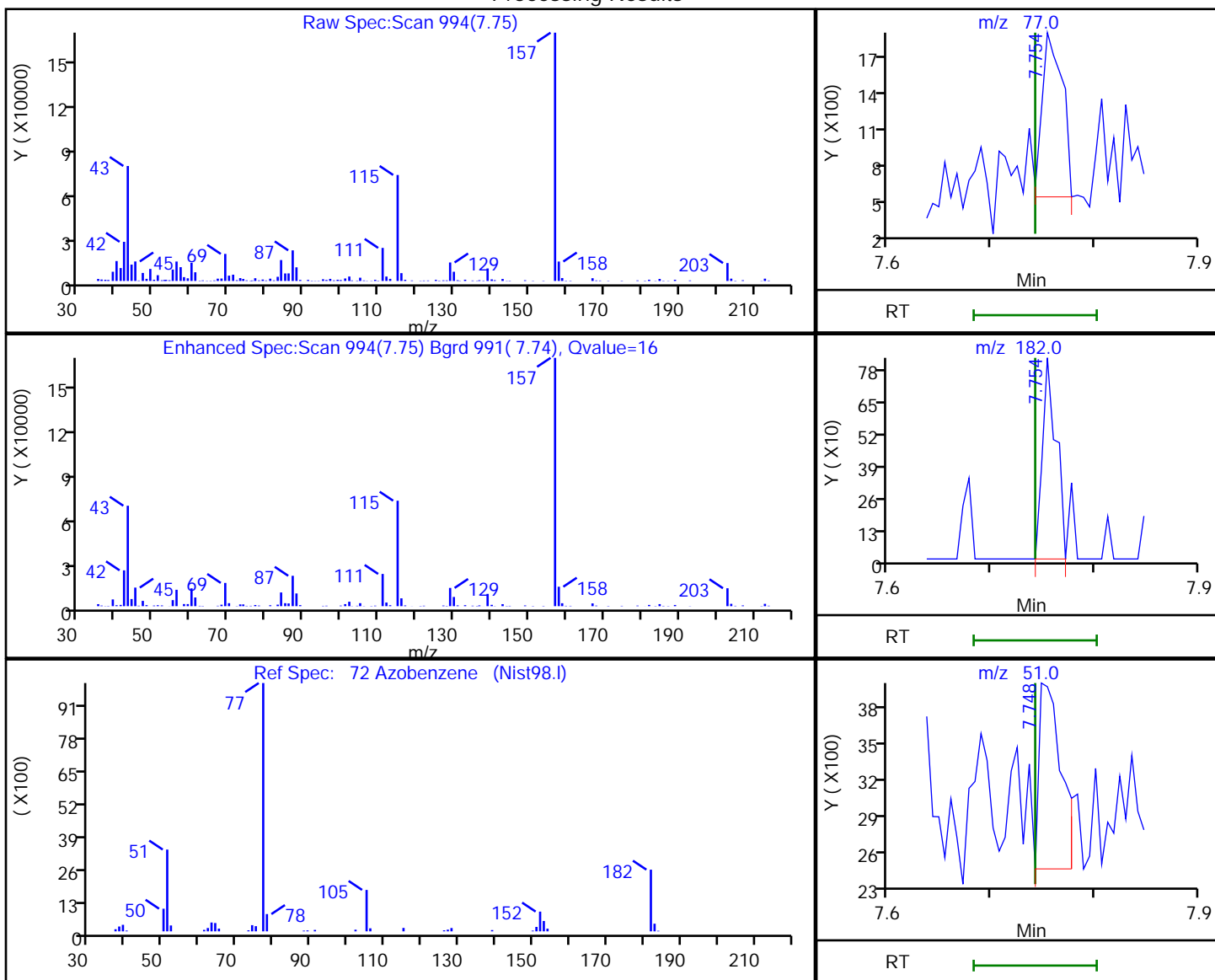
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a027.D
 Injection Date: 23-Mar-2022 21:58:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
 Client ID: ERH2804 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

72 Azobenzene, CAS: 103-33-3

Processing Results



RT	Mass	Response	Amount
7.75	77.00	1800	3.529009
7.75	182.00	765	
7.75	51.00	2258	

Reviewer: thaneeratw, 24-Mar-2022 18:06:15
 Audit Action: Marked Compound Undetected

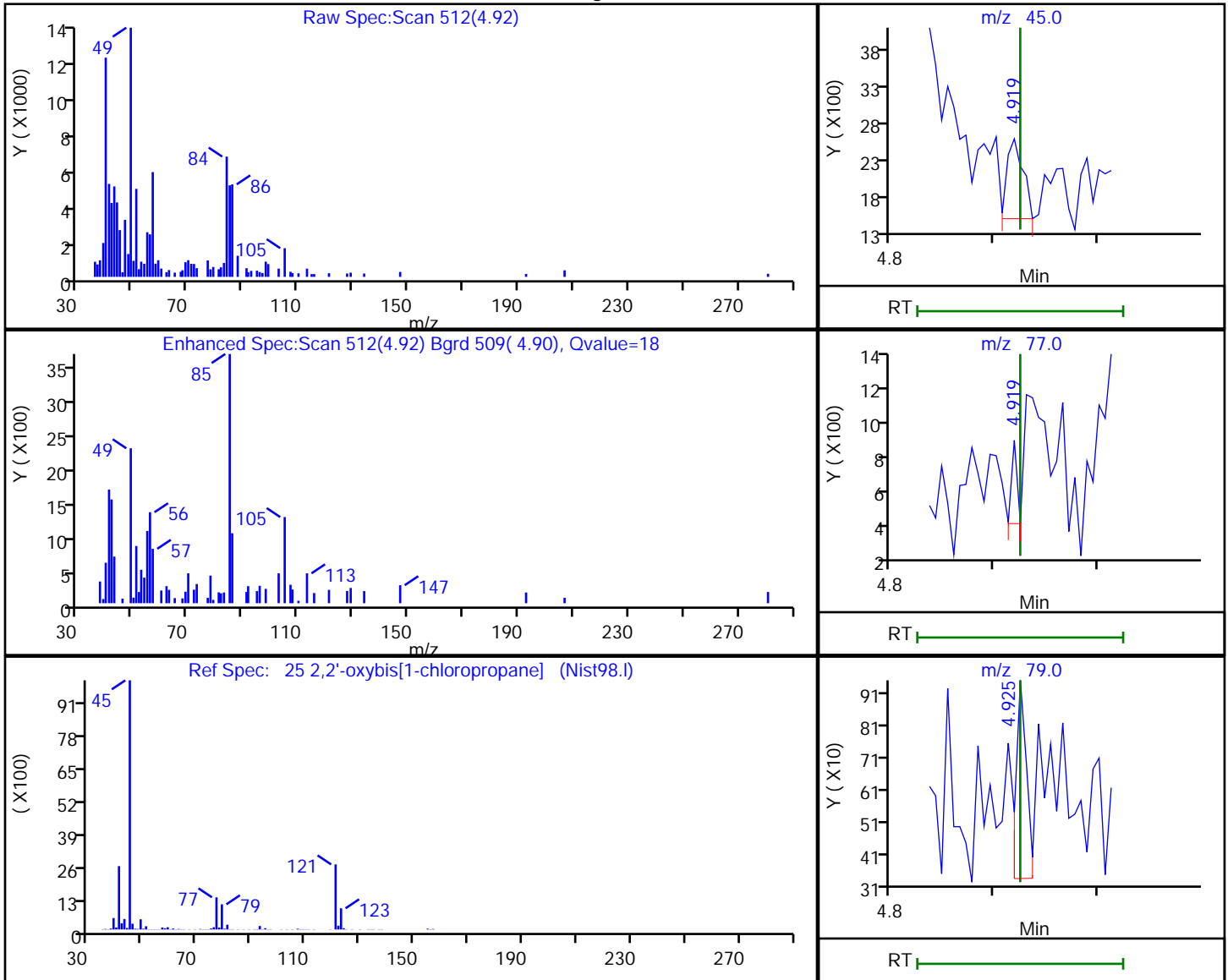
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a027.D
 Injection Date: 23-Mar-2022 21:58:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
 Client ID: ERH2804 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

25 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.92	45.00	1148	2.743055
4.92	77.00	154	
4.92	79.00	438	

Reviewer: thaneeratw, 24-Mar-2022 18:04:13
 Audit Action: Marked Compound Undetected

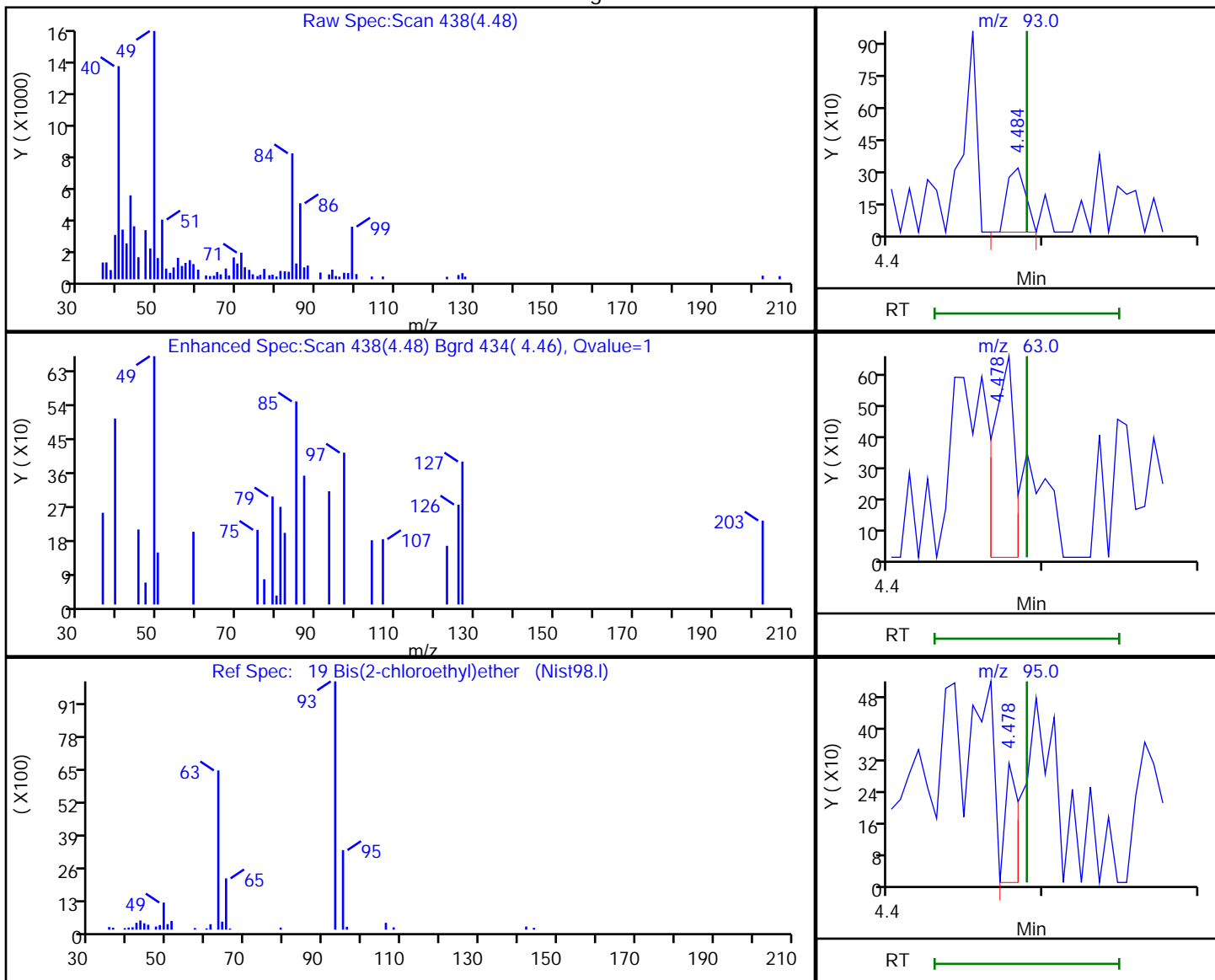
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a027.D
 Injection Date: 23-Mar-2022 21:58:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
 Client ID: ERH2804 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

19 Bis(2-chloroethyl)ether, CAS: 111-44-4

Processing Results



RT	Mass	Response	Amount
4.48	93.00	255	1.148008
4.48	63.00	625	
4.48	95.00	181	

Reviewer: thaneeratw, 24-Mar-2022 18:03:53

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Seattle

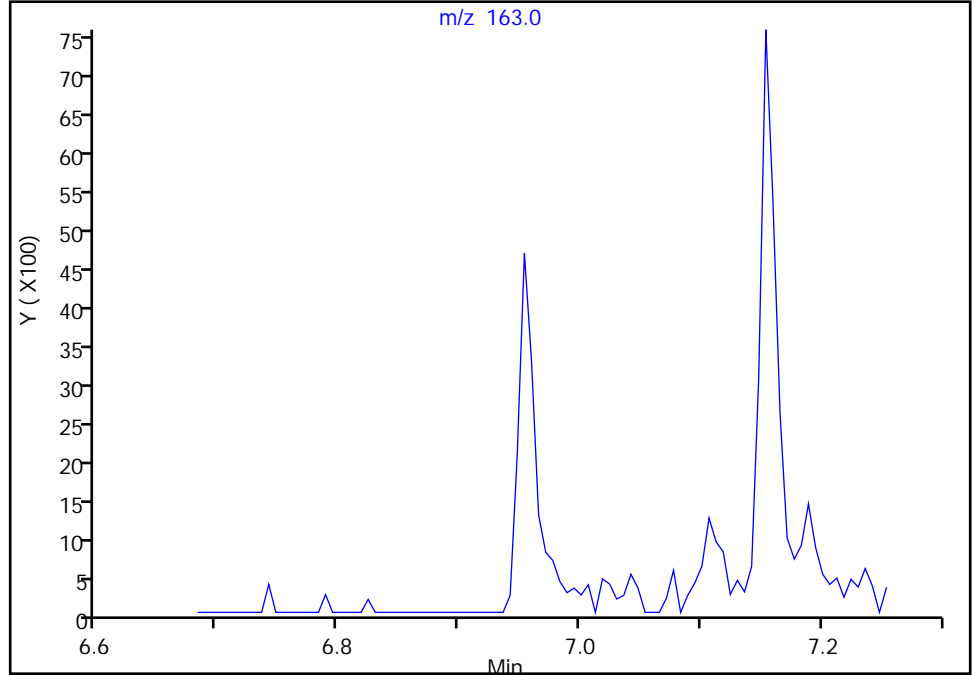
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a027.D
Injection Date: 23-Mar-2022 21:58:30 Instrument ID: TAC040
Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
Client ID: ERH2804 (RHMW12A)
Operator ID: jcm ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

55 Dimethyl phthalate, CAS: 131-11-3

Signal: 1

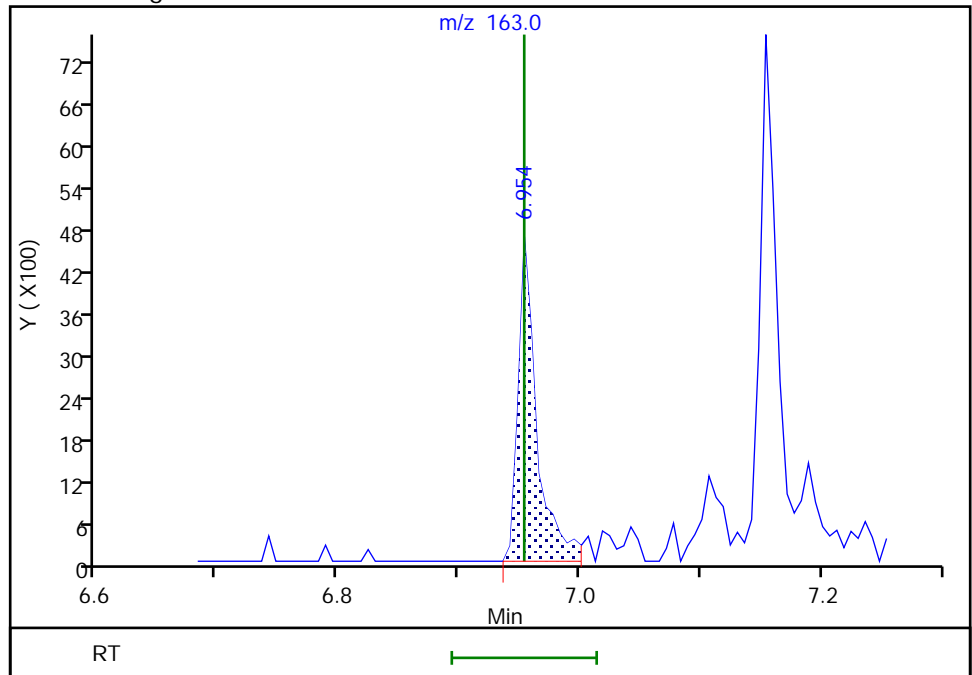
Not Detected
Expected RT: 6.95

Processing Integration Results



Manual Integration Results

RT: 6.95
Area: 4966
Amount: 13.782581
Amount Units: ug/L



Reviewer: thaneeratw, 24-Mar-2022 18:05:24
Audit Action: Assigned Compound ID

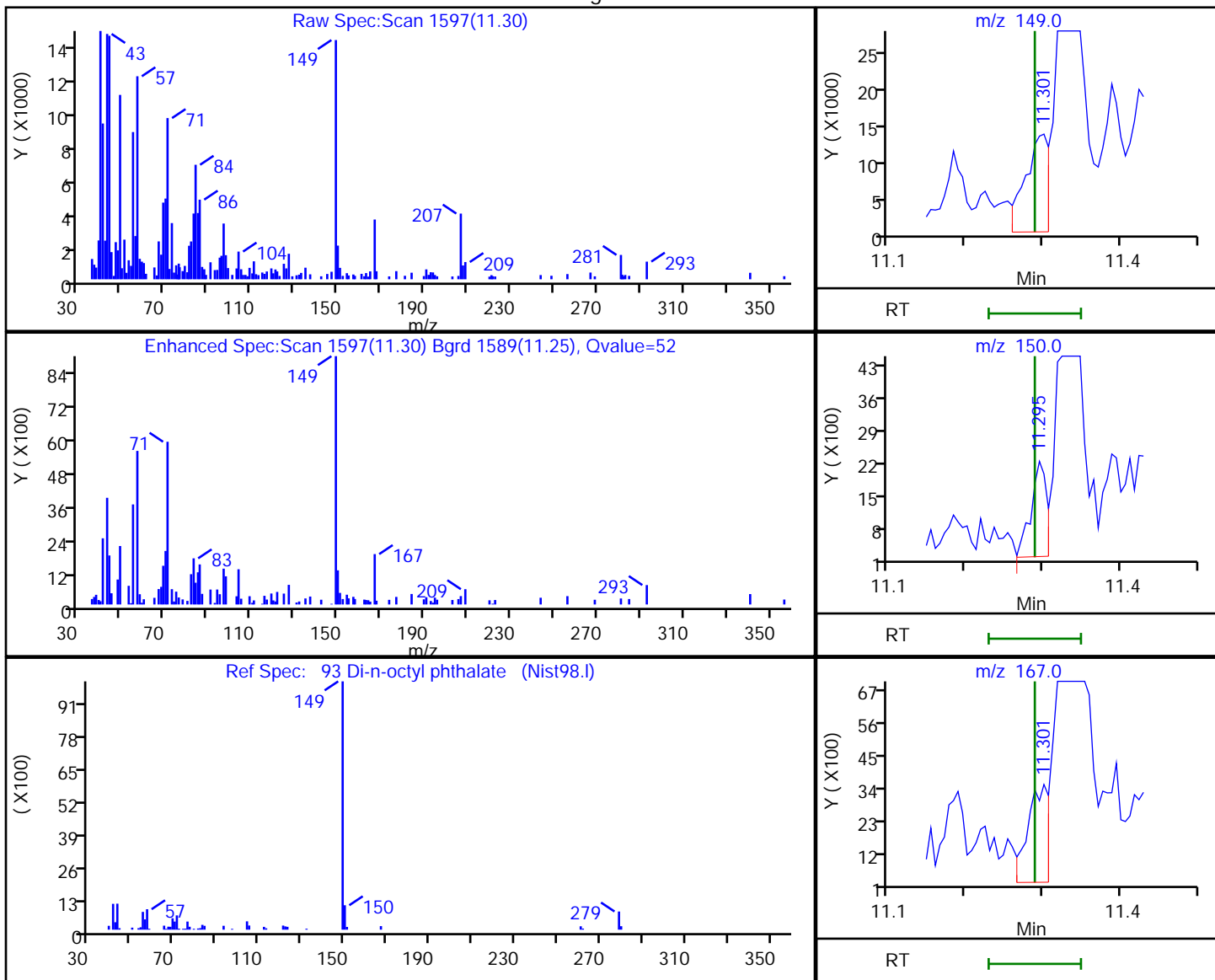
Audit Reason: Peak assignment corrected

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a027.D
 Injection Date: 23-Mar-2022 21:58:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
 Client ID: ERH2804 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

93 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.30	149.00	27852	61.897506
11.29	150.00	2851	
11.30	167.00	6234	

Reviewer: thaneeratw, 24-Mar-2022 18:06:52

Audit Action: Marked Compound Undetected

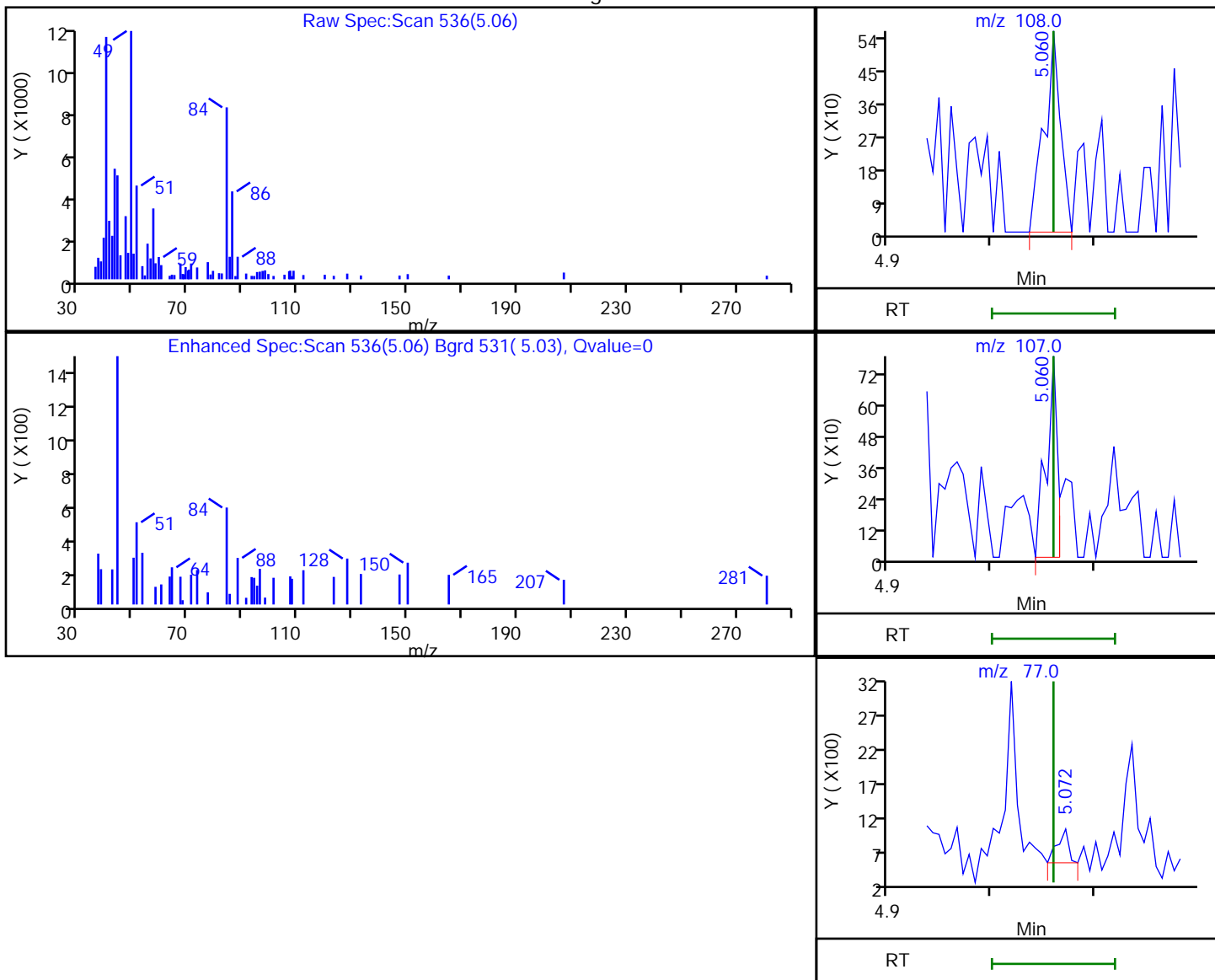
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a027.D
 Injection Date: 23-Mar-2022 21:58:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
 Client ID: ERH2804 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

32 3 & 4 Methylphenol, CAS: 15831-10-4

Processing Results



RT	Mass	Response	Amount
5.06	108.00	609	2.869464
5.06	107.00	597	
5.07	77.00	360	

Reviewer: thaneeratw, 24-Mar-2022 18:04:23

Audit Action: Marked Compound Undetected

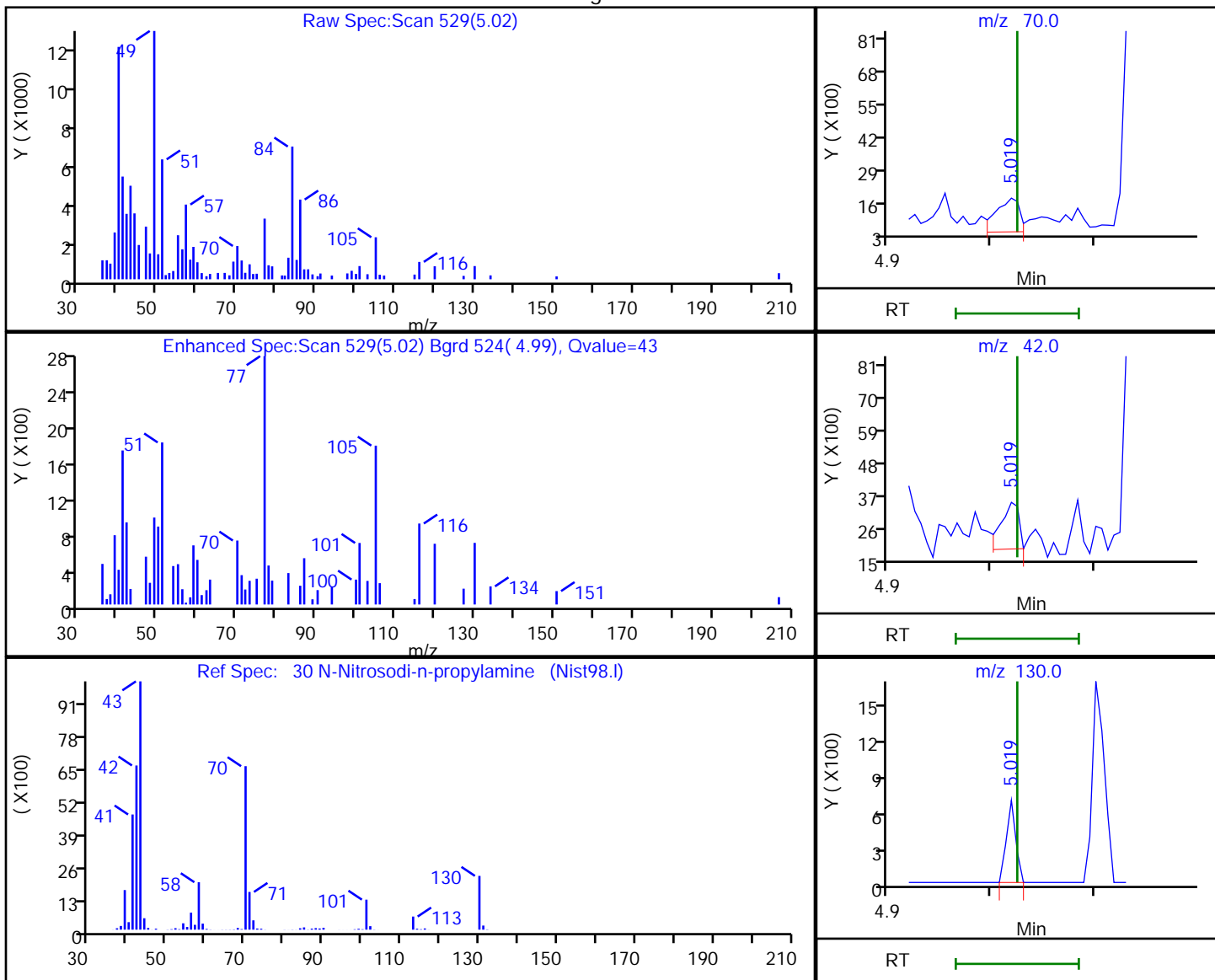
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a027.D
 Injection Date: 23-Mar-2022 21:58:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
 Client ID: ERH2804 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

30 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Processing Results



RT	Mass	Response	Amount
5.02	70.00	2158	10.760311
5.02	42.00	1920	
5.02	130.00	441	

Reviewer: thaneeratw, 24-Mar-2022 18:04:21

Audit Action: Marked Compound Undetected

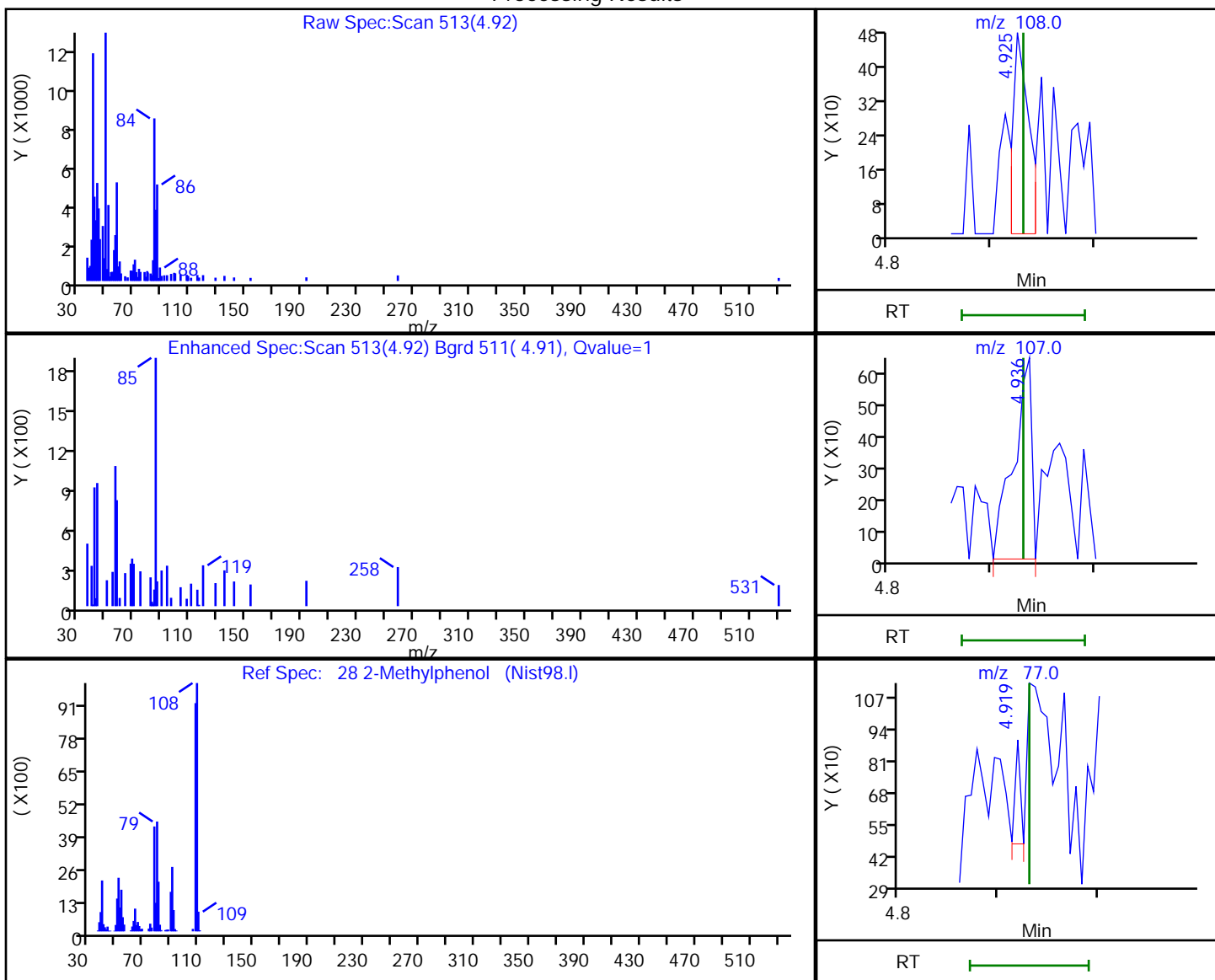
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a027.D
 Injection Date: 23-Mar-2022 21:58:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
 Client ID: ERH2804 (RHMW12A)
 Operator ID: jcm ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

28 2-Methylphenol, CAS: 95-48-7

Processing Results



RT	Mass	Response	Amount
4.92	108.00	519	2.422420
4.94	107.00	790	
4.92	77.00	154	

Reviewer: thaneeratw, 24-Mar-2022 18:04:15

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2818 (RHMW05) Lab Sample ID: 580-111436-4
 Matrix: Water Lab File ID: 40Scan032322a028.D
 Analysis Method: 8270E Date Collected: 03/15/2022 09:05
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 991.6(mL) Date Analyzed: 03/23/2022 22:22
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384865 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U	0.40	0.30	0.091
95-50-1	1,2-Dichlorobenzene	0.15	U	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.091	U Q	0.40	0.091	0.040
106-46-7	1,4-Dichlorobenzene	0.091	U	0.40	0.091	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.61	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U M	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U Q	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U M	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.071
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U Q	1.0	0.15	0.071
91-94-1	3,3'-Dichlorobenzidine	0.61	U Q	1.0	0.61	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U Q	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.61	0.15	0.061
59-50-7	4-Chloro-3-methylphenol	0.30	U M	0.61	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.61	0.15	0.050
100-02-7	4-Nitrophenol	6.1	U M Q	10	6.1	1.7
103-33-3	Azobenzene	0.15	U	2.0	0.15	0.061
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.061
111-91-1	Bis(2-chloroethoxy)methane	0.15	U M	0.61	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.091	U M	0.10	0.091	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U Q	3.0	1.6	0.75
85-68-7	Butyl benzyl phthalate	0.61	U	4.0	0.61	0.27
84-66-2	Diethyl phthalate	0.30	U	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.61	0.15	0.061
84-74-2	Di-n-butyl phthalate	0.19	J	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.091	U	0.61	0.091	0.040
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.061
77-47-4	Hexachlorocyclopentadiene	0.30	U Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.050

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2818 (RHMW05) Lab Sample ID: 580-111436-4
 Matrix: Water Lab File ID: 40Scan032322a028.D
 Analysis Method: 8270E Date Collected: 03/15/2022 09:05
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 991.6(mL) Date Analyzed: 03/23/2022 22:22
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384865 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U M	0.61	0.30	0.10
98-95-3	Nitrobenzene	0.091	U	1.0	0.091	0.040
62-75-9	N-Nitrosodimethylamine	0.61	U	2.0	0.61	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.091	U	0.40	0.091	0.061
86-30-6	N-Nitrosodiphenylamine	0.15	U M	1.0	0.15	0.071
95-48-7	o-Cresol	0.15	U	0.61	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U Q	10	1.0	0.51
108-95-2	Phenol	0.61	U	1.0	0.61	0.36
129-00-0	Pyrene	0.091	U M	1.0	0.091	0.040
110-86-1	Pyridine	3.2	U Q	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		43-140
321-60-8	2-Fluorobiphenyl	69		44-119
367-12-4	2-Fluorophenol (Surr)	53		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	74		44-120
4165-62-2	Phenol-d5 (Surr)	29		10-120
1718-51-0	Terphenyl-d14	95		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a028.D
 Lims ID: 580-111436-A-4-A
 Client ID: ERH2818 (RHMW05)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 22:22:30 ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-A-4-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 18:12:05 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw

Date: 24-Mar-2022 18:12:05

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	96	17723	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	86	68949	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	94	32948	100.0	
* 4 Phenanthrene-d10	188	8.372	8.371	0.001	96	53790	100.0	
* 5 Chrysene-d12	240	10.571	10.571	0.000	96	49929	100.0	
* 6 Perylene-d12	264	12.089	12.083	0.006	95	64342	100.0	
\$ 7 2-Fluorophenol	112	3.659	3.718	0.005	92	125680	534.5	
\$ 8 Phenol-d5	99	4.448	4.466	0.006	0	81890	288.5	
\$ 9 Nitrobenzene-d5	82	5.136	5.148	-0.006	95	208391	744.9	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	98	304187	694.5	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	95	77442	824.5	
\$ 12 Terphenyl-d14	244	9.689	9.689	0.000	96	404157	948.9	
16 Pyridine	79	2.547	2.659	0.048	39	4049	9.58	
18 Phenol	94	4.460	4.472	0.012	11	1873	5.82	
26 Cyclohexanone	55	4.548	4.589	0.006	1	936	NC	
21 n-Decane	57	4.572	4.572	0.000	54	27264	76.7	
27 Benzyl alcohol	79	4.819	4.895	0.006	85	179826	979.4	
36 Benzoic acid	105	5.583	5.583	0.035	90	18791	378.3	M
41 Naphthalene	128	5.736	5.742	0.000	28	3098	4.42	
46 2-Methylnaphthalene	142	6.301	6.313	-0.006	27	2994	6.90	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	15	2070	4.91	
55 Dimethyl phthalate	163	6.954	6.954	0.000	82	6472	16.0	
66 Diethyl phthalate	149	7.530	7.530	0.000	69	3970	9.17	
78 n-Octadecane	43	8.313	8.313	0.000	49	7900	26.7	
79 Phenanthrene	178	8.389	8.389	0.000	41	2321	3.96	
82 2,3-Dichlorobenzeneamine	161	8.472	8.477	-0.005	1	76	NC	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	86	69207	94.6	
86 Pyrene	202	9.548	9.548	0.000	26	2839	4.38	a
88 Nonylphenol	135	9.748	9.736	0.012	0	330	NC	
87 Butyl benzyl phthalate	149	10.101	10.107	-0.006	78	9463	31.5	
92 Bis(2-ethylhexyl) phthalate	149	10.624	10.630	-0.006	94	104644	251.3	
121 DFTPP								

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
124 4,4'-DDD	235	9.948	9.924	0.024	1	131	NR	
125 4,4'-DDT	235	10.177	10.177	0.000	1	107	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MeCl2_CT_00216

Amount Added: 1.00

Units: mL

Run Reagent

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a028.D

Injection Date: 23-Mar-2022 22:22:30

Instrument ID: TAC040

Lims ID: 580-111436-A-4-A

Lab Sample ID: 580-111436-4

Client ID: ERH2818 (RHMW05)

Operator ID: jcm

ALS Bottle#: 24

Worklist Smp#: 24

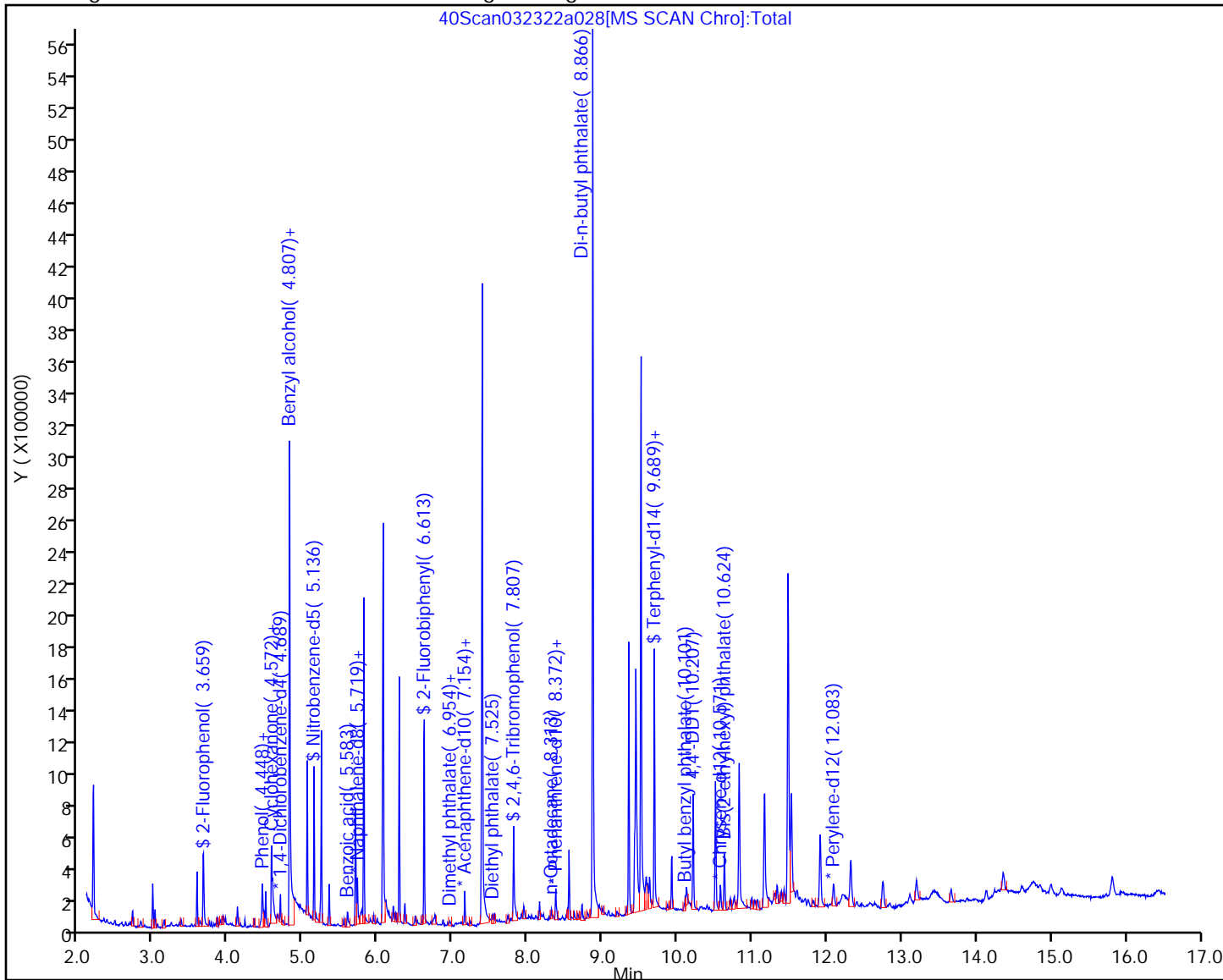
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a028.D
 Lims ID: 580-111436-A-4-A
 Client ID: ERH2818 (RHMW05)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 22:22:30 ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-A-4-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 18:12:05 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw Date: 24-Mar-2022 18:12:05

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-Fluorophenol	1000.0	534.5	53.45
\$ 8 Phenol-d5	1000.0	288.5	28.85
\$ 9 Nitrobenzene-d5	1000.0	744.9	74.49
\$ 10 2-Fluorobiphenyl	1000.0	694.5	69.45
\$ 11 2,4,6-Tribromophenol	1000.0	824.5	82.45
\$ 12 Terphenyl-d14	1000.0	948.9	94.89

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a028.D

Injection Date: 23-Mar-2022 22:22:30

Instrument ID: TAC040

Lims ID: 580-111436-A-4-A

Lab Sample ID: 580-111436-4

Client ID: ERH2818 (RHMW05)

Operator ID: jcm

ALS Bottle#: 24 Worklist Smp#: 24

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

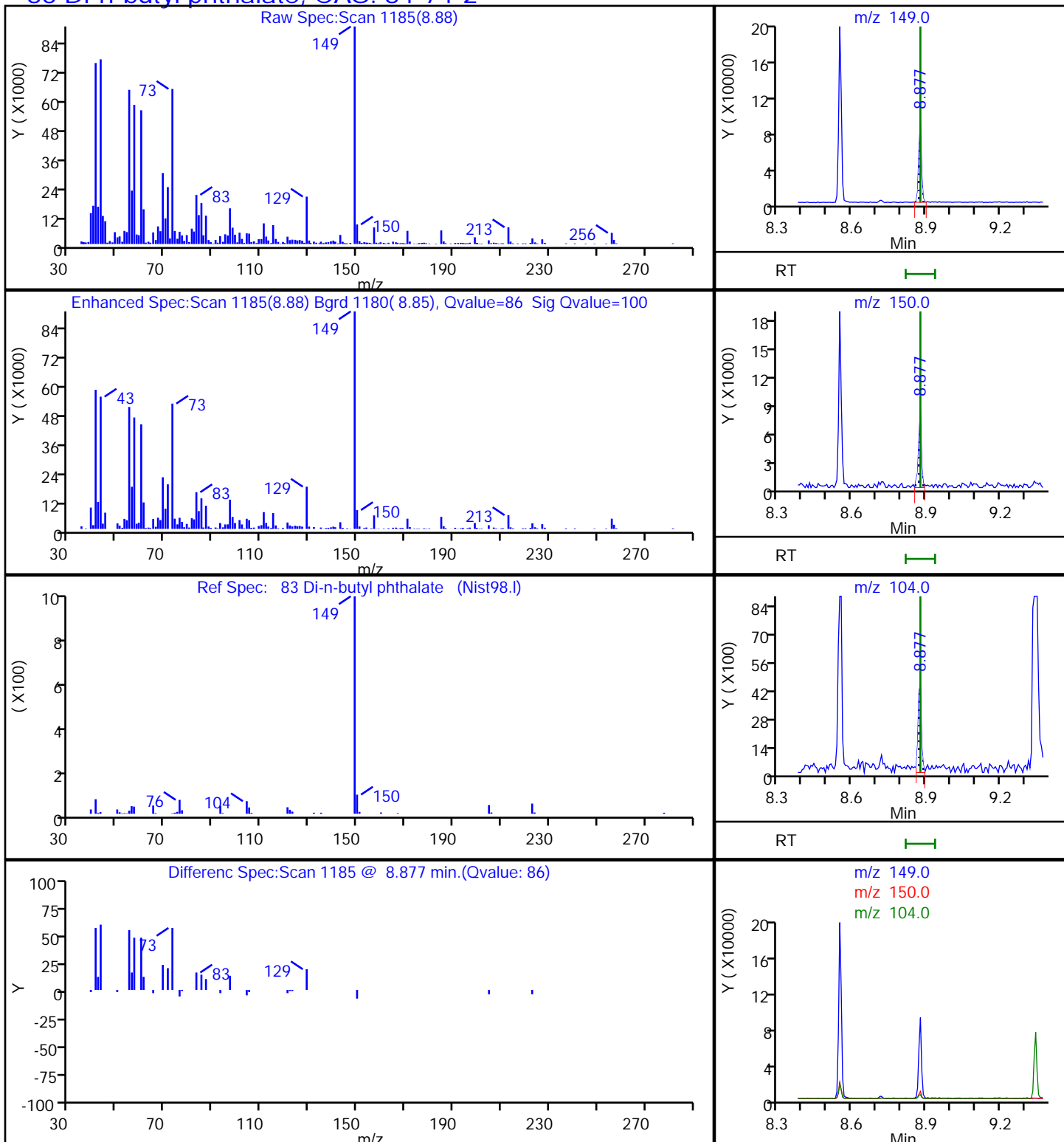
Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Column:

Detector MS SCAN

83 Di-n-butyl phthalate, CAS: 84-74-2

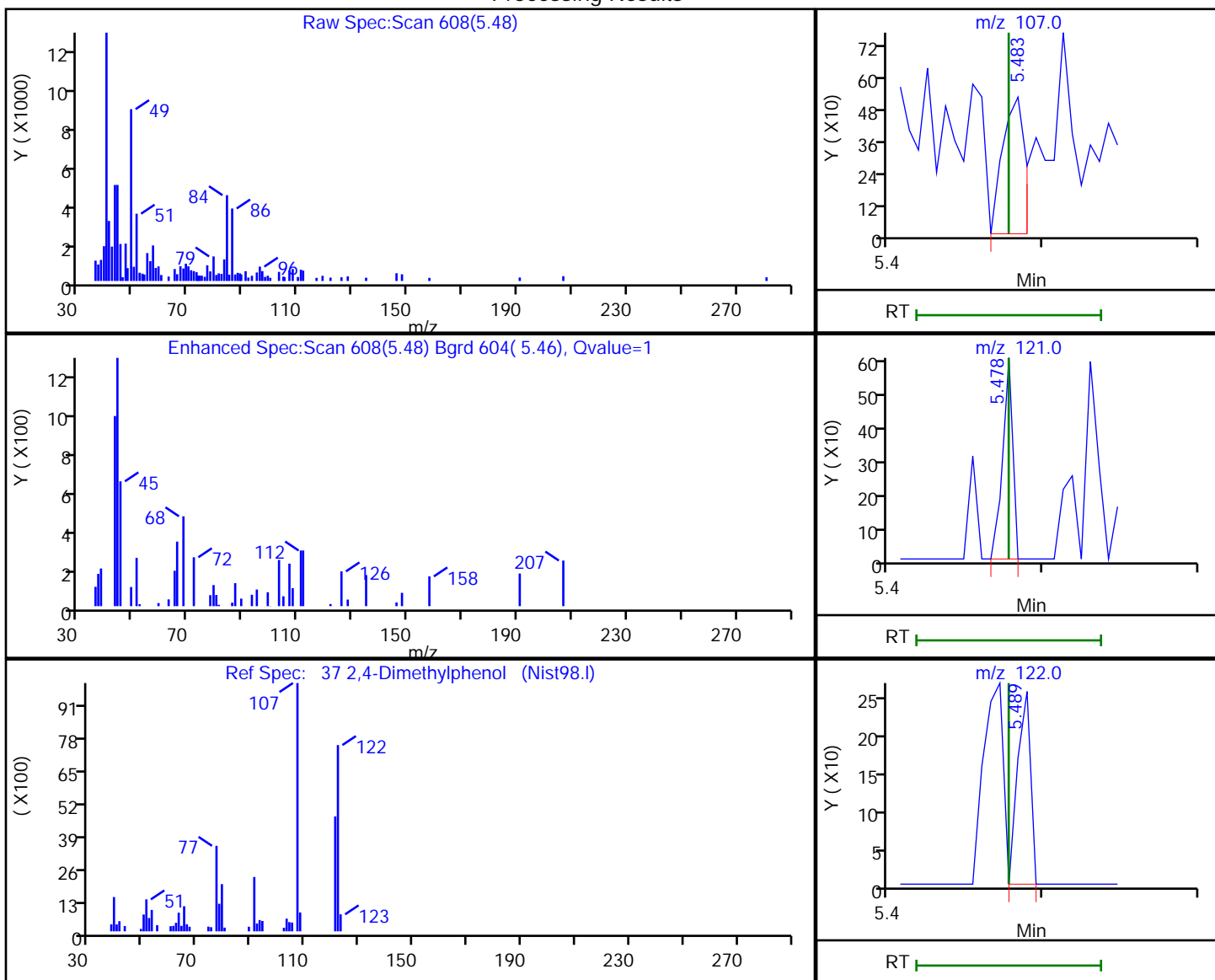


Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a028.D
 Injection Date: 23-Mar-2022 22:22:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
 Client ID: ERH2818 (RHMW05)
 Operator ID: jcm ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

37 2,4-Dimethylphenol, CAS: 105-67-9

Processing Results



RT	Mass	Response	Amount
5.48	107.00	533	2.258461
5.48	121.00	276	
5.49	122.00	146	

Reviewer: thaneeratw, 24-Mar-2022 18:08:57

Audit Action: Marked Compound Undetected

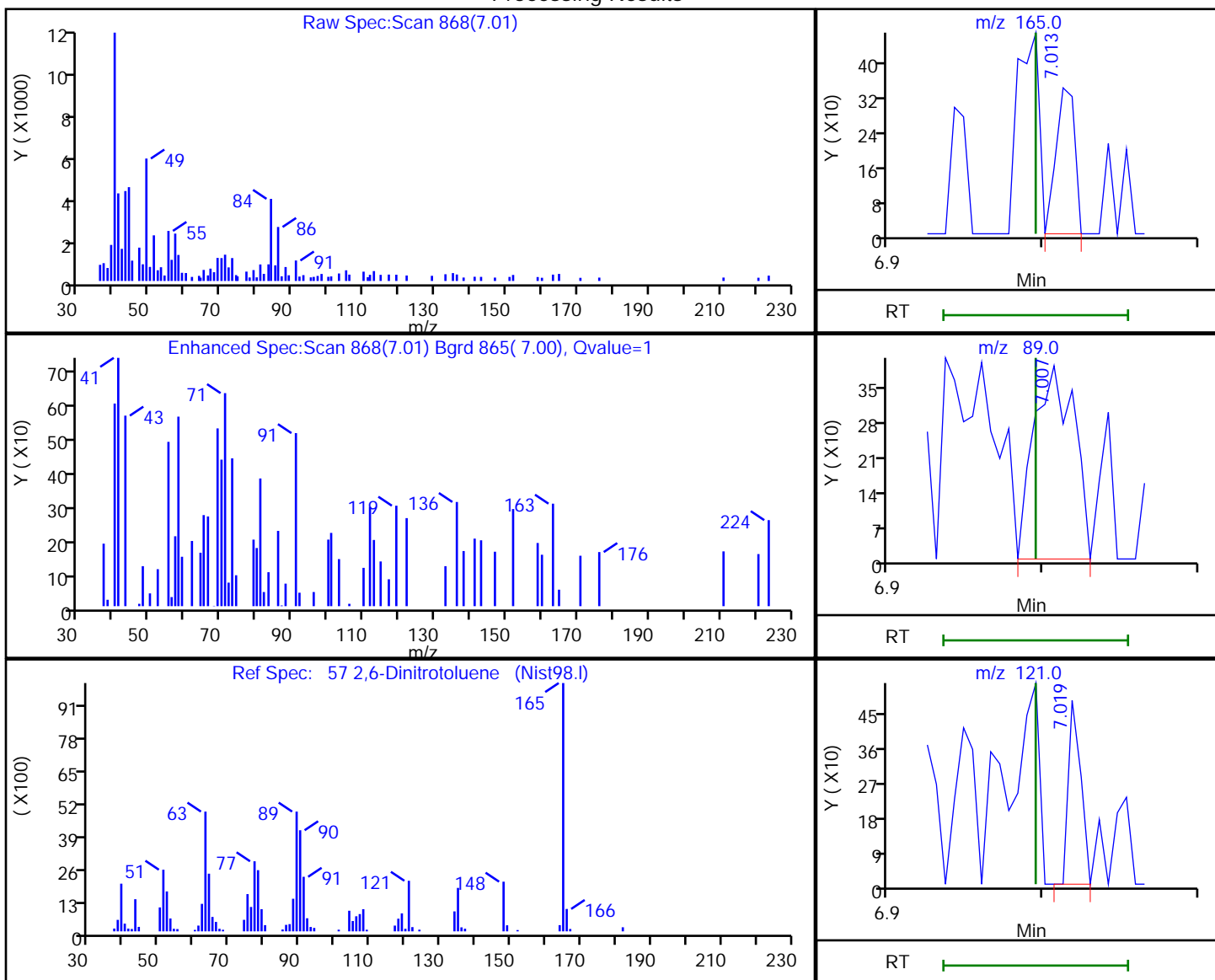
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a028.D
 Injection Date: 23-Mar-2022 22:22:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
 Client ID: ERH2818 (RHMW05)
 Operator ID: jcm ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

57 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
7.01	165.00	285	17.450644
7.01	89.00	706	
7.02	121.00	271	

Reviewer: thaneeratw, 24-Mar-2022 18:09:54

Audit Action: Marked Compound Undetected

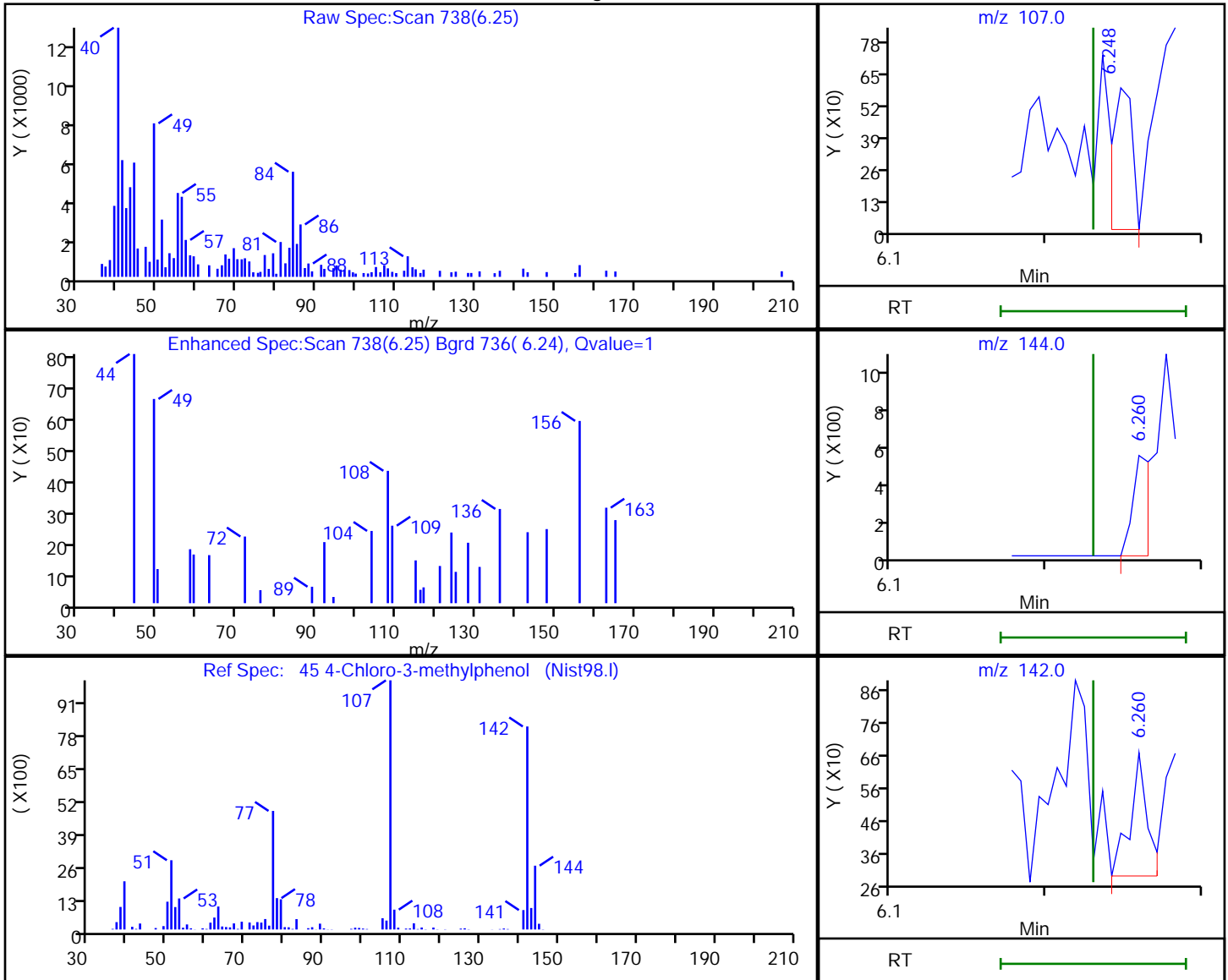
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a028.D
 Injection Date: 23-Mar-2022 22:22:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
 Client ID: ERH2818 (RHMW05)
 Operator ID: jcm ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

45 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
6.25	107.00	523	24.356832
6.26	144.00	400	
6.26	142.00	298	

Reviewer: thaneeratw, 24-Mar-2022 18:09:32

Audit Action: Marked Compound Undetected

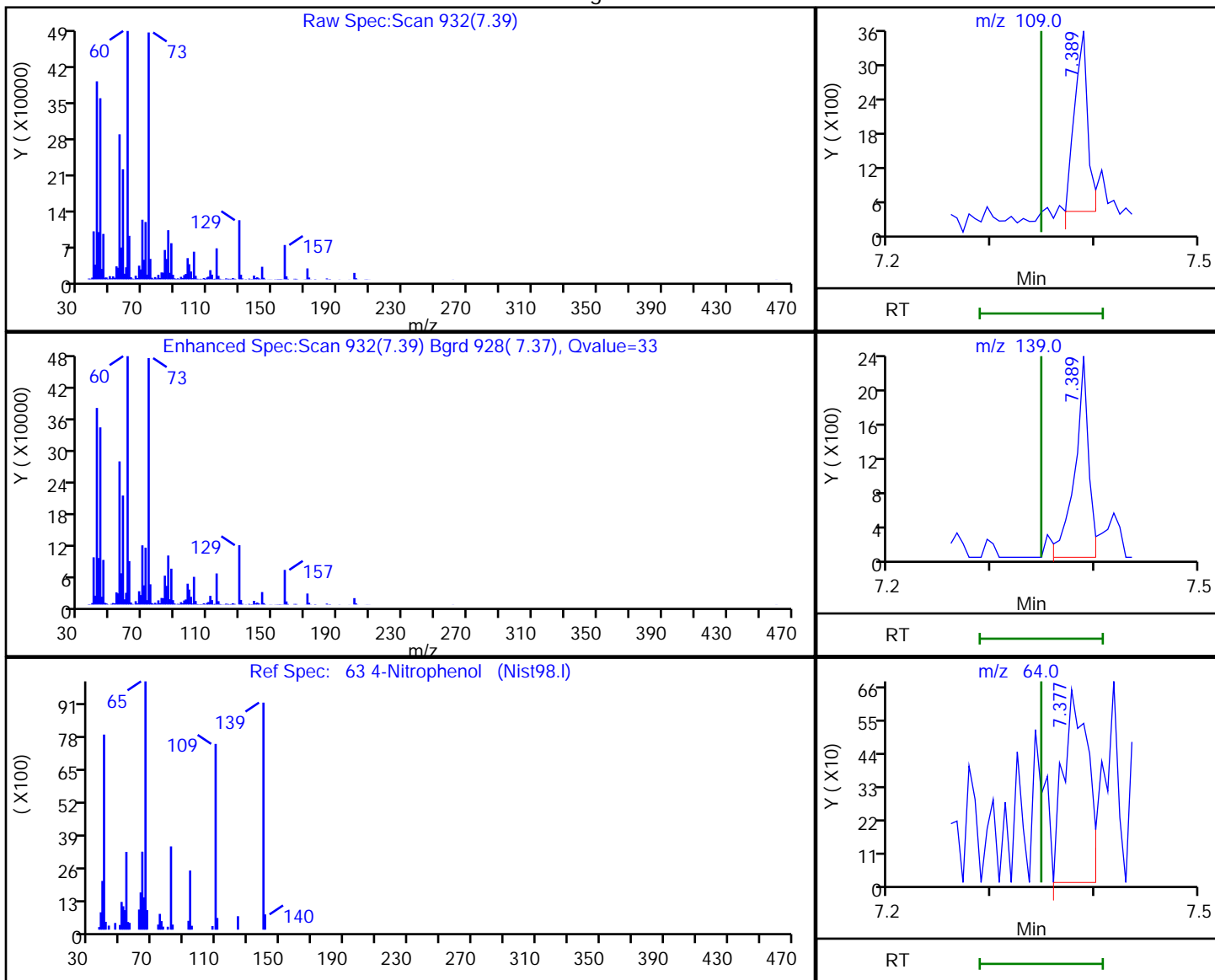
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a028.D
 Injection Date: 23-Mar-2022 22:22:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
 Client ID: ERH2818 (RHMW05)
 Operator ID: jcm ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

63 4-Nitrophenol, CAS: 100-02-7

Processing Results



RT	Mass	Response	Amount
7.39	109.00	2861	418.9681
7.39	139.00	2177	
7.38	64.00	1069	

Reviewer: thaneeratw, 24-Mar-2022 18:10:11

Audit Action: Marked Compound Undetected

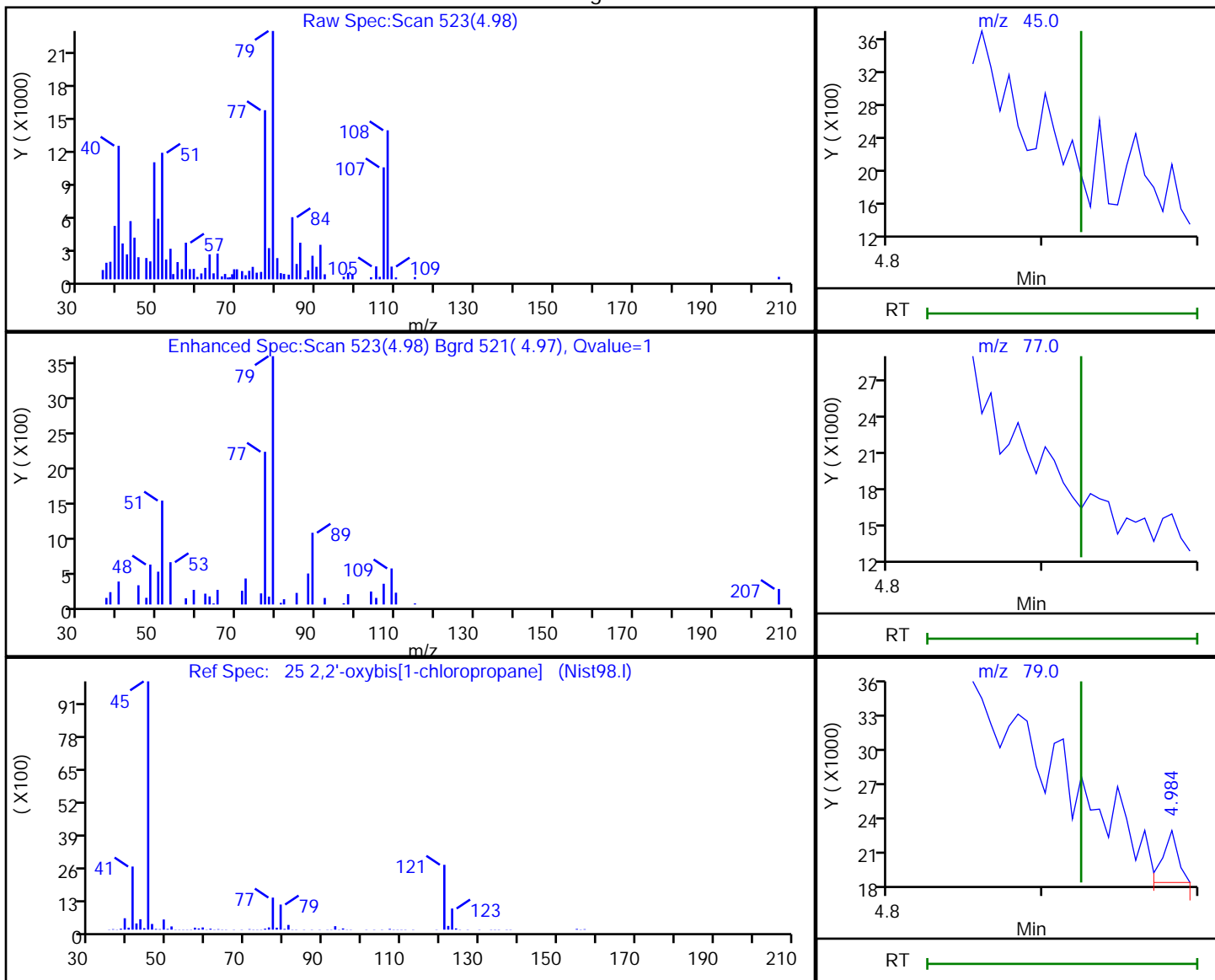
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a028.D
 Injection Date: 23-Mar-2022 22:22:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
 Client ID: ERH2818 (RHMW05)
 Operator ID: jcm ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

25 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.98	45.00	505	1.156548
4.98	77.00	3635	
4.98	79.00	3025	

Reviewer: thaneeratw, 24-Mar-2022 18:08:36

Audit Action: Marked Compound Undetected

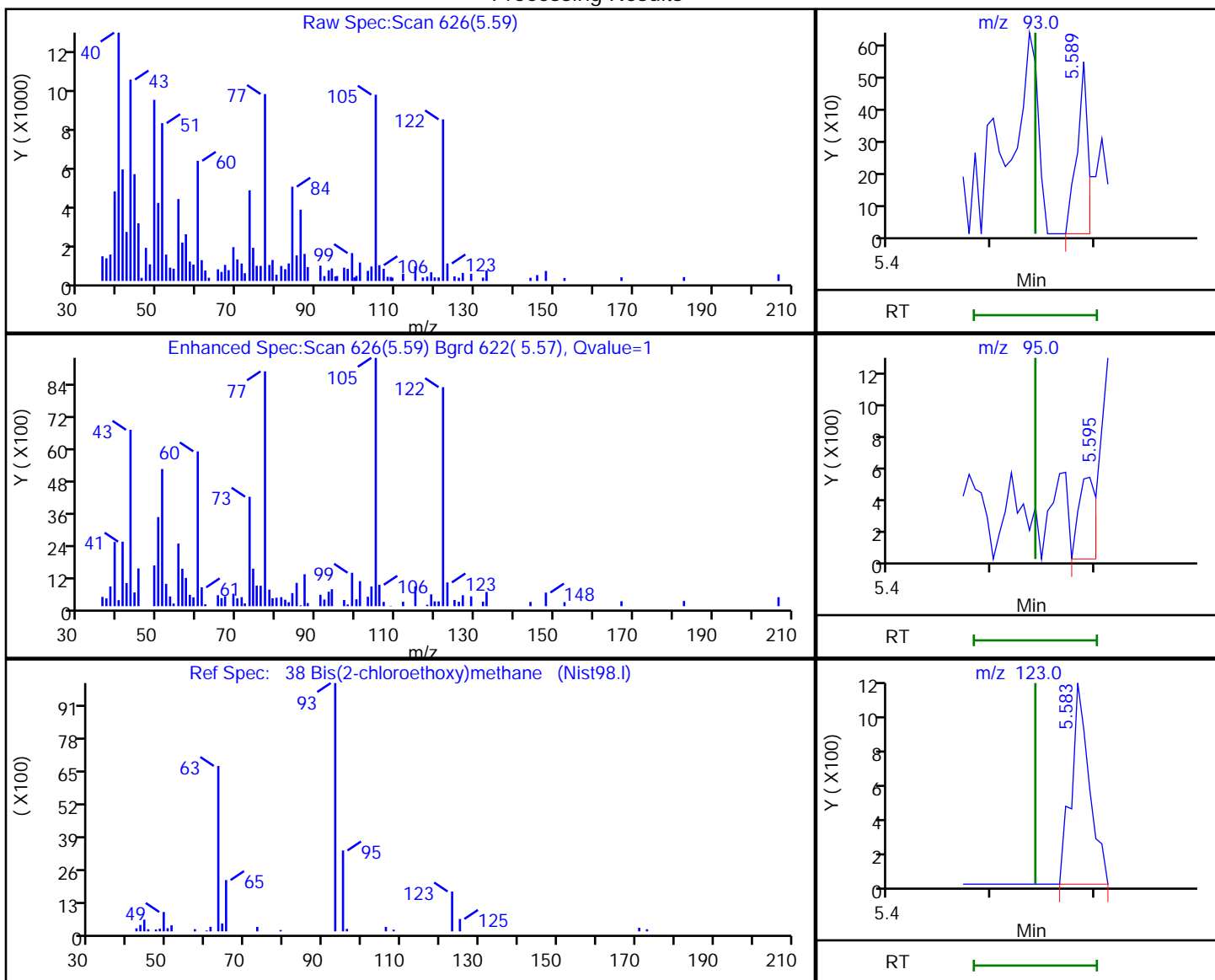
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a028.D
 Injection Date: 23-Mar-2022 22:22:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
 Client ID: ERH2818 (RHMW05)
 Operator ID: jcm ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

38 Bis(2-chloroethoxy)methane, CAS: 111-91-1

Processing Results



RT	Mass	Response	Amount
5.59	93.00	400	1.397456
5.60	95.00	574	
5.58	123.00	1396	

Reviewer: thaneeratw, 24-Mar-2022 18:08:59

Audit Action: Marked Compound Undetected

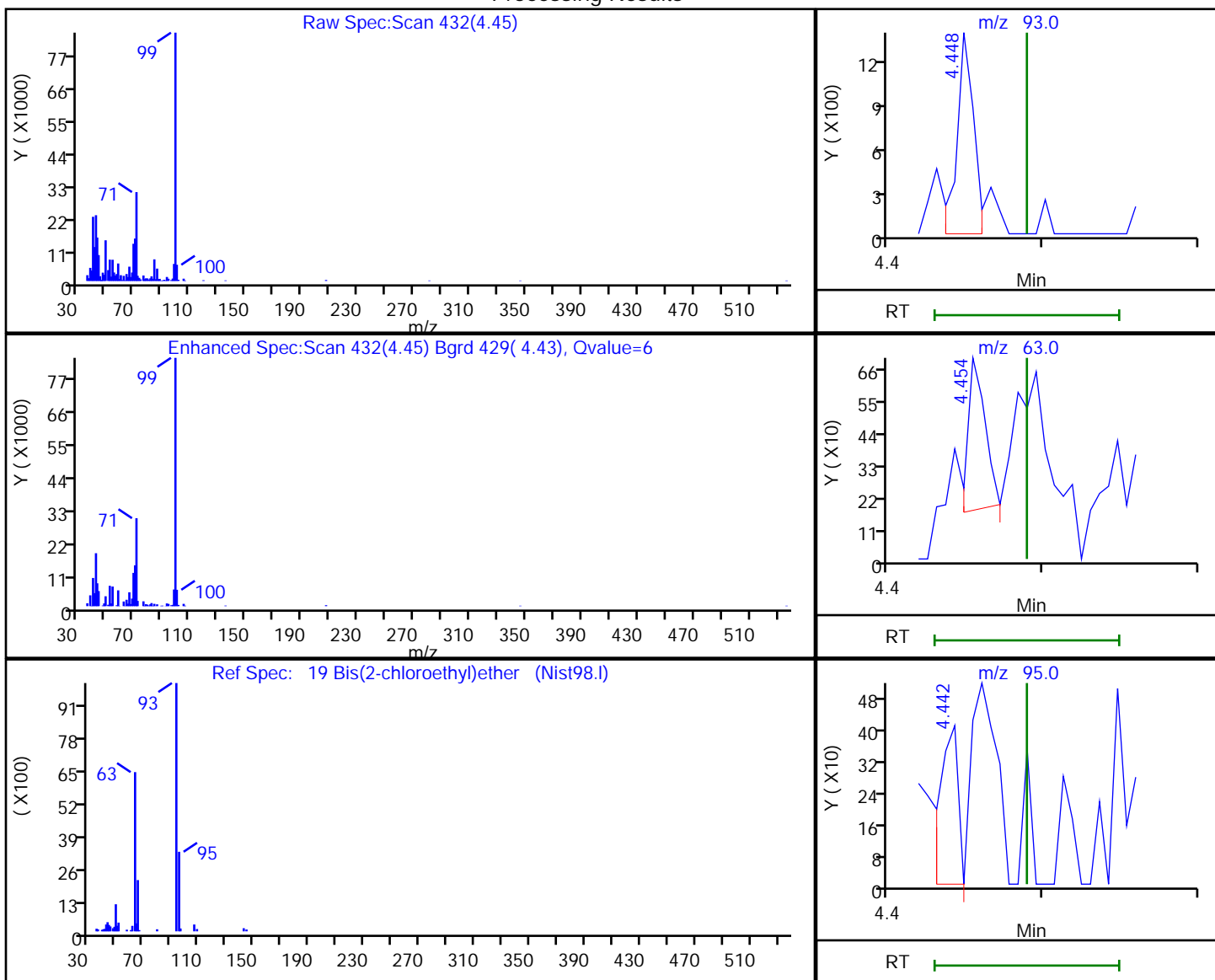
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a028.D
 Injection Date: 23-Mar-2022 22:22:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
 Client ID: ERH2818 (RHMW05)
 Operator ID: jcm ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

19 Bis(2-chloroethyl)ether, CAS: 111-44-4

Processing Results



RT	Mass	Response	Amount
4.45	93.00	1028	4.435855
4.45	63.00	402	
4.44	95.00	331	

Reviewer: thaneeratw, 24-Mar-2022 18:08:05

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Seattle

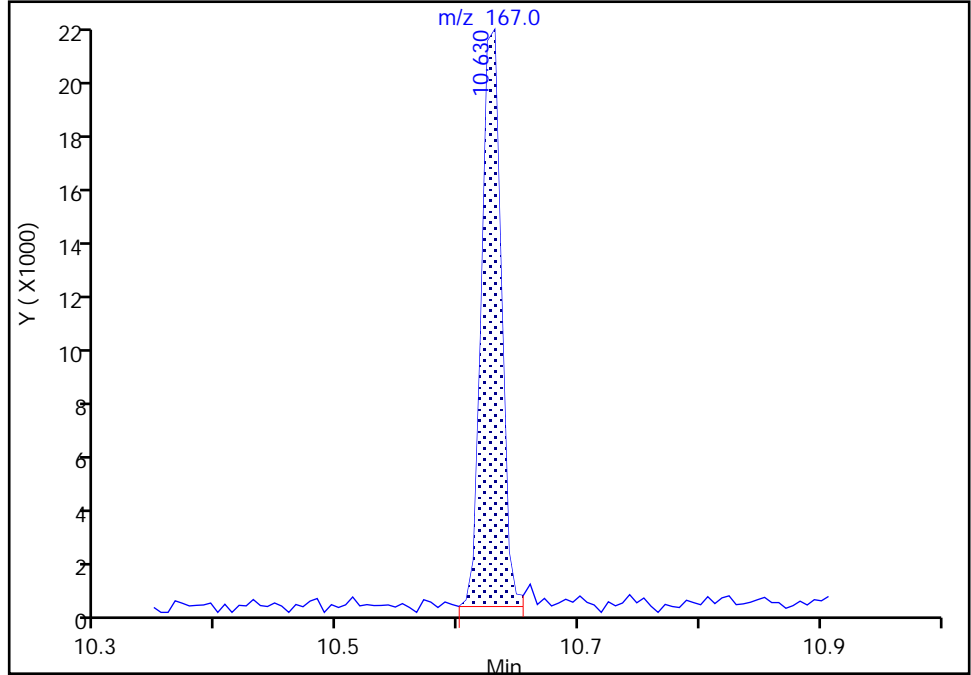
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Injection Date: 23-Mar-2022 22:22:30 Instrument ID: TAC040
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: jcm ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

92 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 2

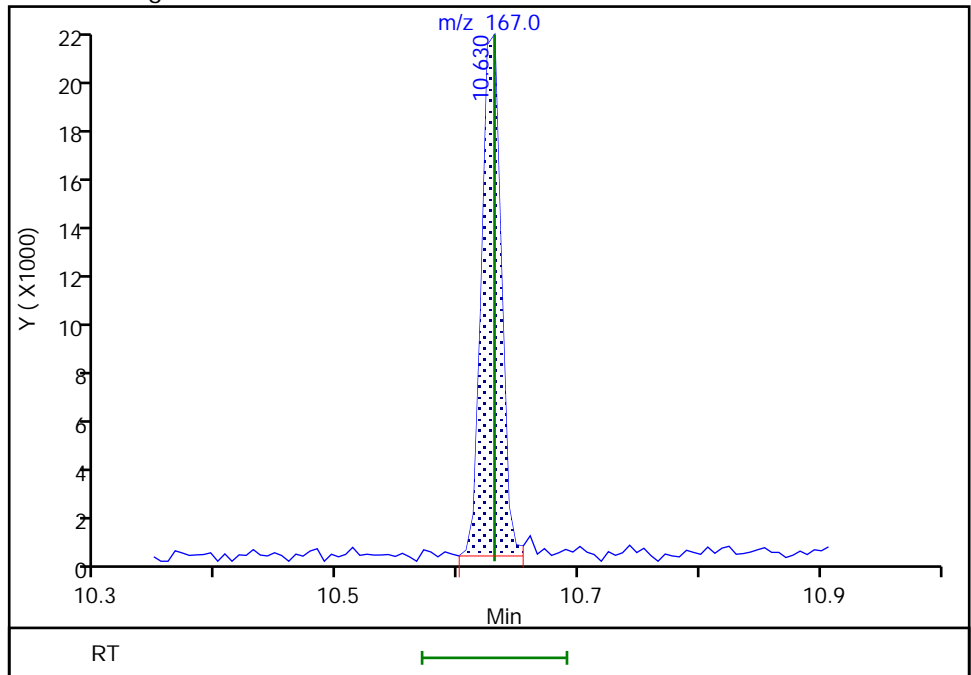
RT: 10.63
Area: 24429
Amount: 251.2538
Amount Units: ug/L

Processing Integration Results



RT: 10.63
Area: 24429
Amount: 251.2538
Amount Units: ug/L

Manual Integration Results



Reviewer: thaneeratw, 24-Mar-2022 18:10:57
Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Seattle

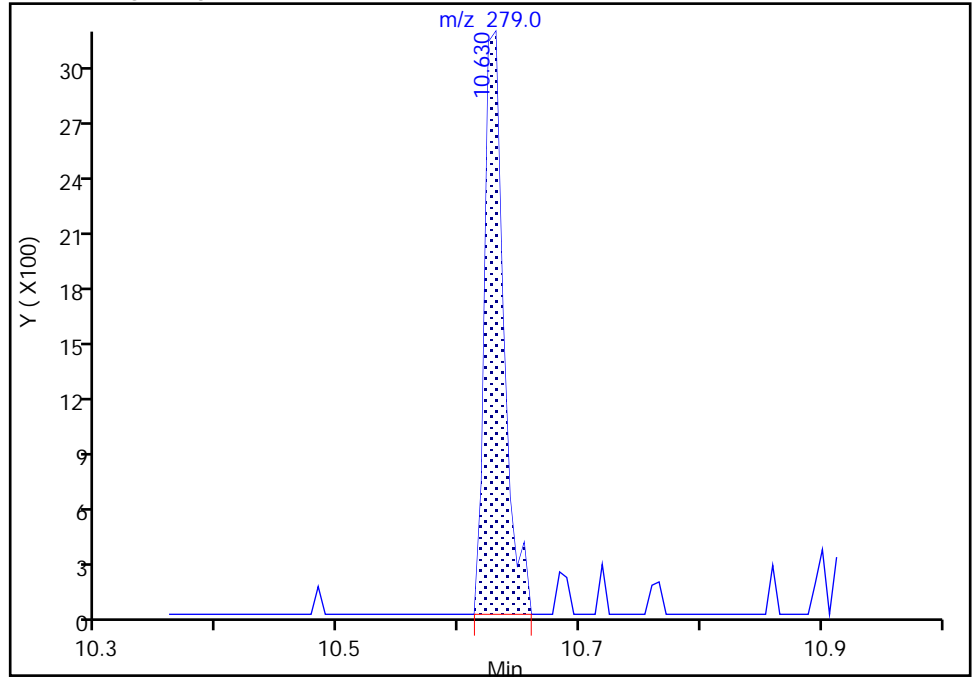
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Injection Date: 23-Mar-2022 22:22:30 Instrument ID: TAC040
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: jcm ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

92 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 3

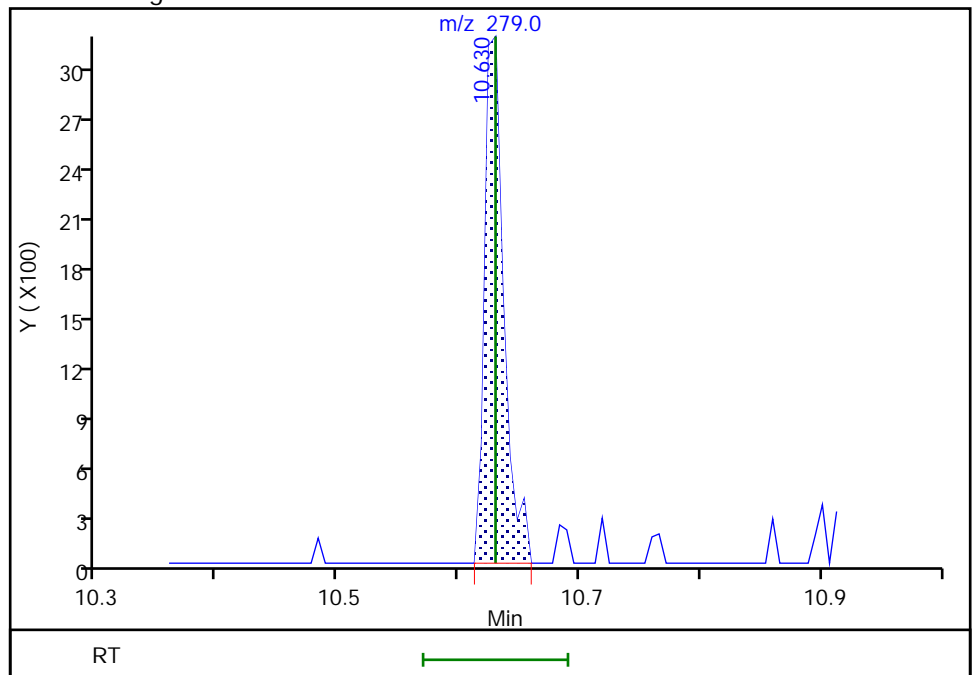
RT: 10.63
Area: 3478
Amount: 251.2538
Amount Units: ug/L

Processing Integration Results



RT: 10.63
Area: 3478
Amount: 251.2538
Amount Units: ug/L

Manual Integration Results

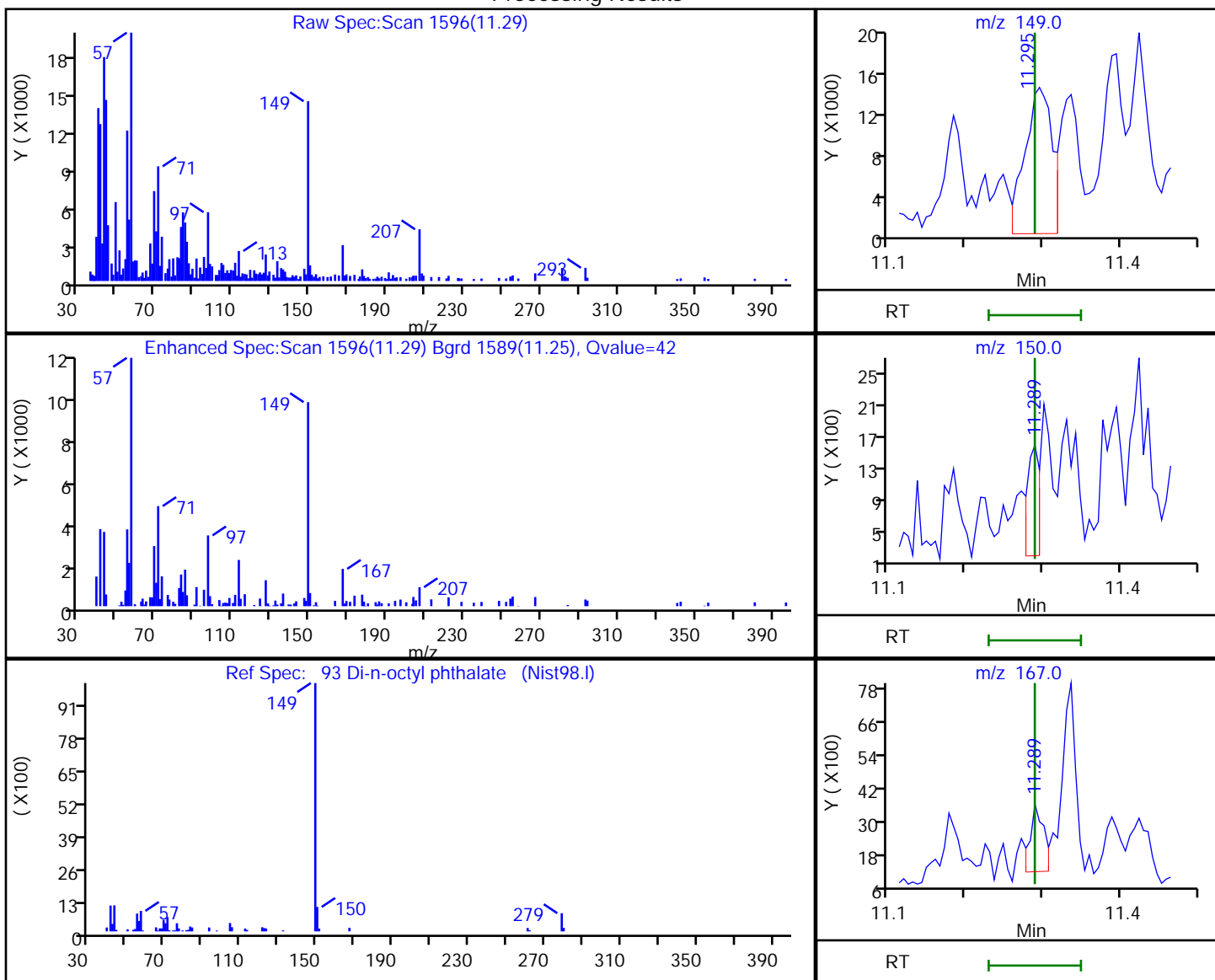


Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a028.D
 Injection Date: 23-Mar-2022 22:22:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
 Client ID: ERH2818 (RHMW05)
 Operator ID: jcm ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

93 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.29	149.00	34301	64.103973
11.29	150.00	1504	
11.29	167.00	3110	

Reviewer: thaneeratw, 24-Mar-2022 18:11:08

Audit Action: Marked Compound Undetected

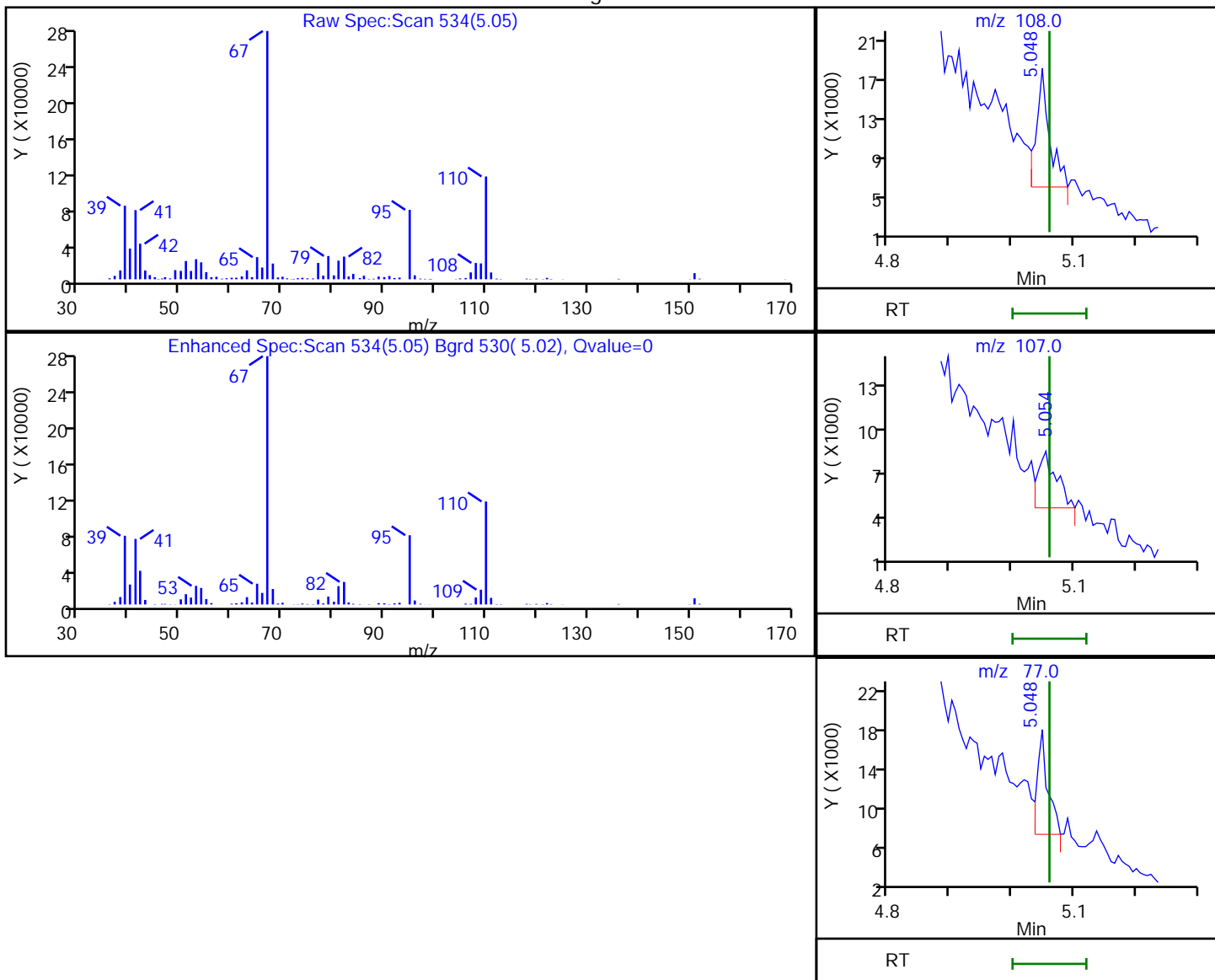
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a028.D
 Injection Date: 23-Mar-2022 22:22:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
 Client ID: ERH2818 (RHMW05)
 Operator ID: jcm ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

32 3 & 4 Methylphenol, CAS: 15831-10-4

Processing Results



RT	Mass	Response	Amount
5.05	108.00	17156	77.478113
5.05	107.00	7605	
5.05	77.00	12562	

Reviewer: thaneeratw, 24-Mar-2022 18:08:44

Audit Action: Marked Compound Undetected

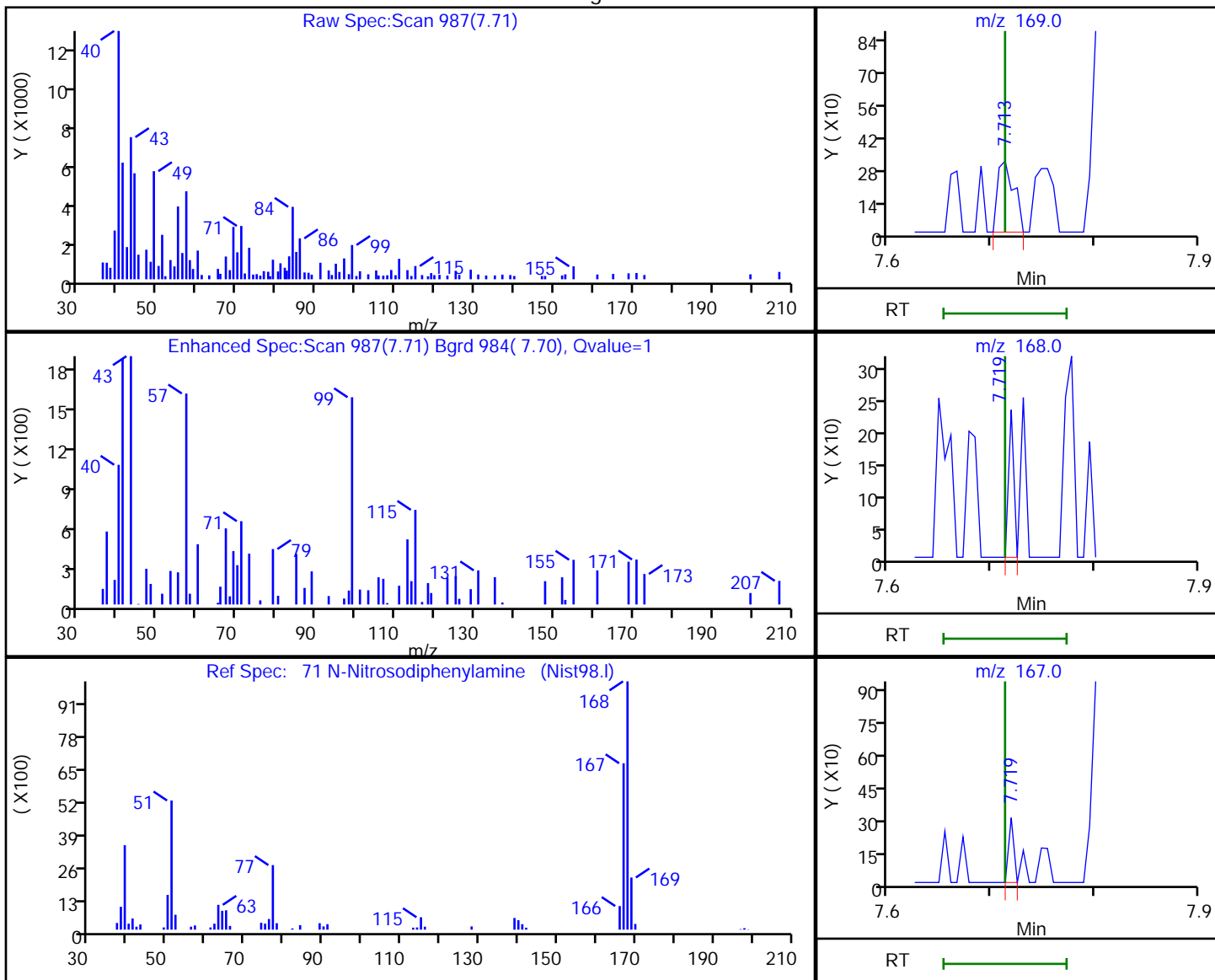
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a028.D
 Injection Date: 23-Mar-2022 22:22:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
 Client ID: ERH2818 (RHMW05)
 Operator ID: jcm ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

71 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
7.71	169.00	341	1.206329
7.72	168.00	80	
7.72	167.00	107	

Reviewer: thaneeratw, 24-Mar-2022 18:10:23

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Seattle

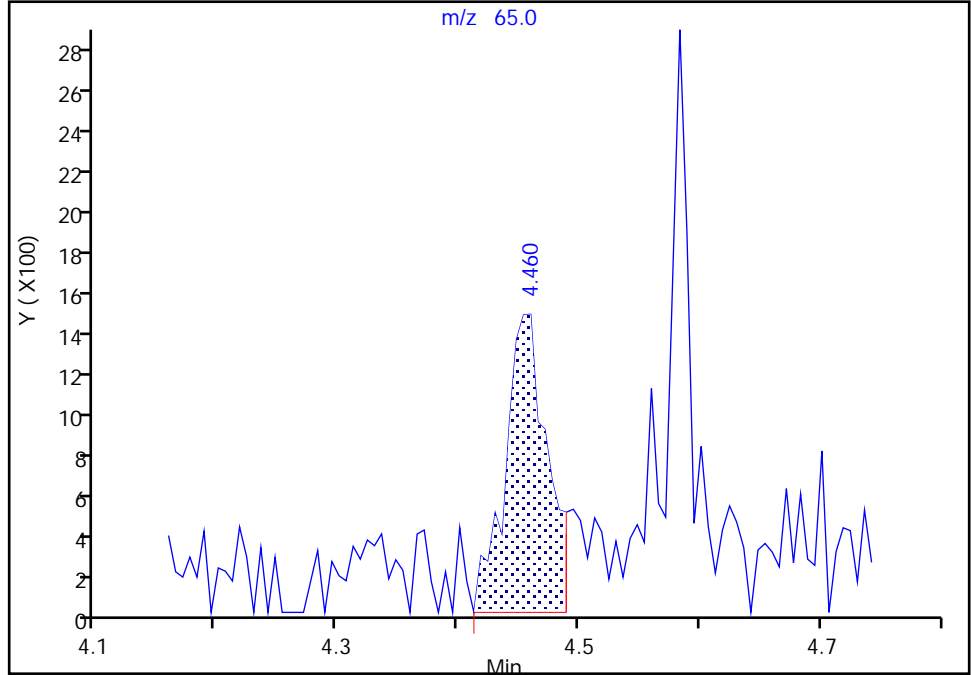
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Injection Date: 23-Mar-2022 22:22:30 Instrument ID: TAC040
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: jcm ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

18 Phenol, CAS: 108-95-2

Signal: 2

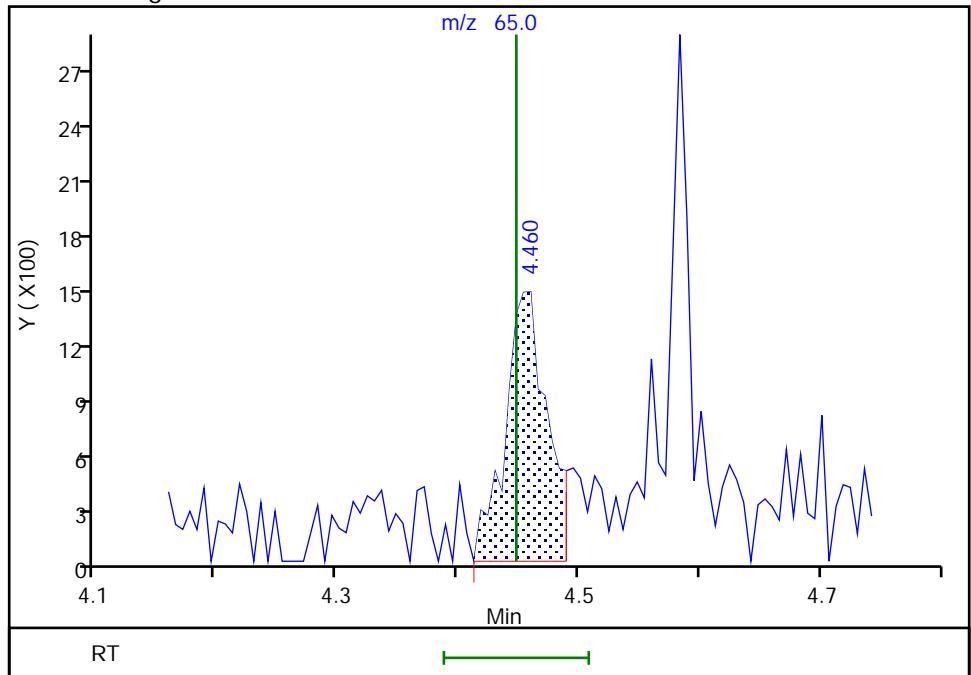
RT: 4.46
Area: 3545
Amount: 5.819316
Amount Units: ug/L

Processing Integration Results



RT: 4.46
Area: 3545
Amount: 5.819316
Amount Units: ug/L

Manual Integration Results



Reviewer: thaneeratw, 24-Mar-2022 18:08:01
Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Seattle

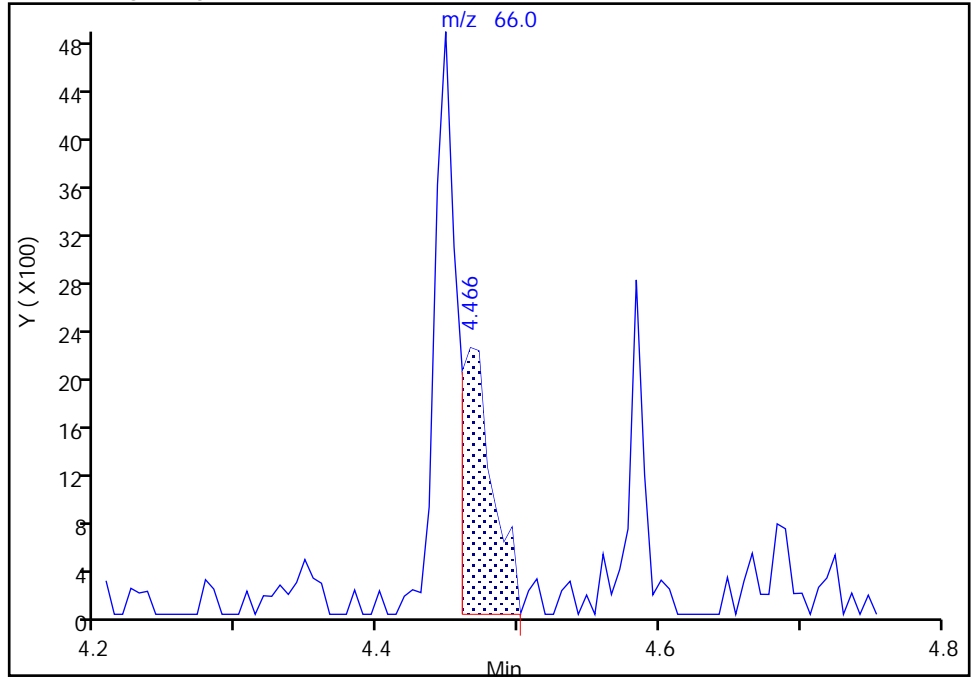
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a028.D
Injection Date: 23-Mar-2022 22:22:30 Instrument ID: TAC040
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: jcm ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

18 Phenol, CAS: 108-95-2

Signal: 3

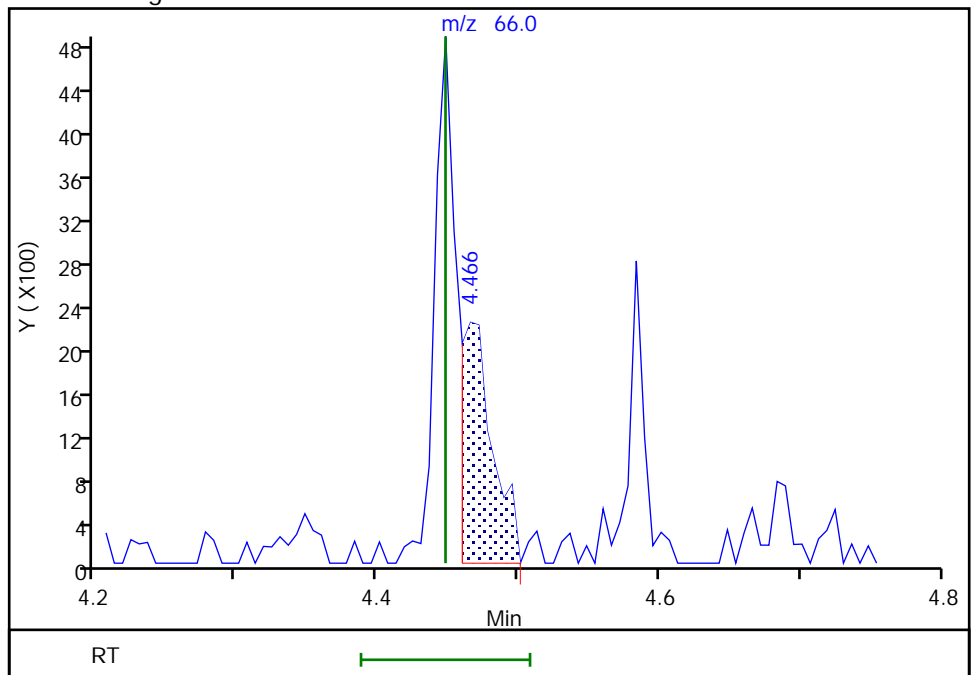
RT: 4.47
Area: 3489
Amount: 5.819316
Amount Units: ug/L

Processing Integration Results



RT: 4.47
Area: 3489
Amount: 5.819316
Amount Units: ug/L

Manual Integration Results



Eurofins Seattle

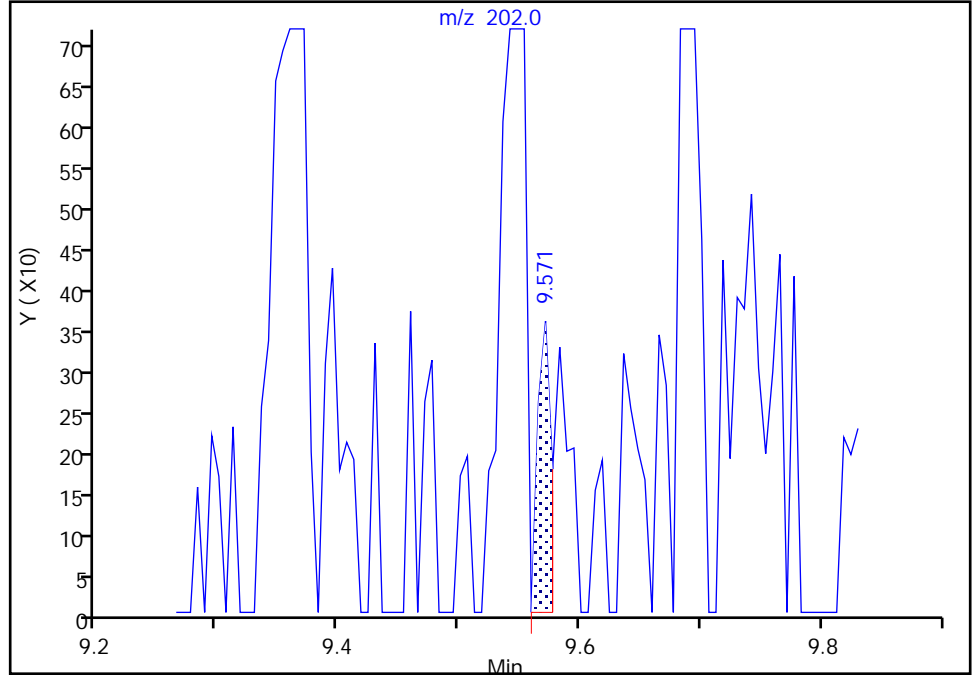
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Injection Date: 23-Mar-2022 22:22:30 Instrument ID: TAC040
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: jcm ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

86 Pyrene, CAS: 129-00-0

Signal: 1

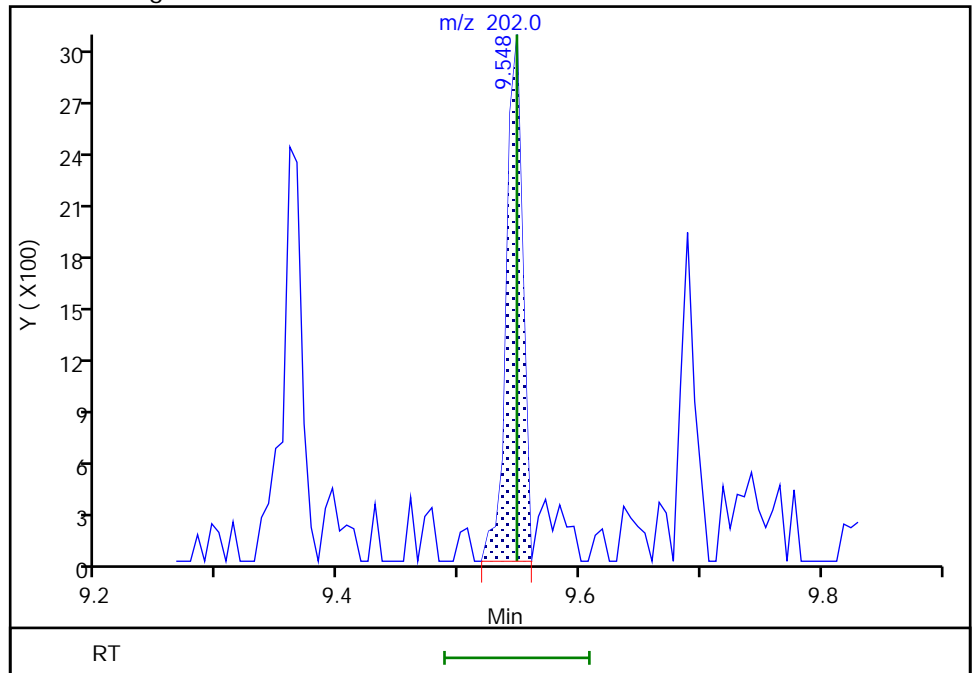
RT: 9.57
Area: 280
Amount: 0.431593
Amount Units: ug/L

Processing Integration Results



RT: 9.55
Area: 2839
Amount: 4.376046
Amount Units: ug/L

Manual Integration Results



Reviewer: thaneeratw, 24-Mar-2022 18:10:48
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2814 (RHMW01R) Lab Sample ID: 580-111436-5
 Matrix: Water Lab File ID: 40Scan032322a029.D
 Analysis Method: 8270E Date Collected: 03/15/2022 10:20
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 992.1(mL) Date Analyzed: 03/23/2022 22:45
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384865 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U	0.40	0.30	0.091
95-50-1	1,2-Dichlorobenzene	0.15	U	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.091	U Q	0.40	0.091	0.040
106-46-7	1,4-Dichlorobenzene	0.091	U	0.40	0.091	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U M	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U M	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U Q	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U M	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U M	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U M	1.0	0.15	0.071
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U M Q	1.0	0.15	0.071
91-94-1	3,3'-Dichlorobenzidine	0.60	U Q	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U M Q	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U M	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U M	0.60	0.15	0.050
100-02-7	4-Nitrophenol	6.0	U M Q	10	6.0	1.7
103-33-3	Azobenzene	0.15	U M	2.0	0.15	0.060
108-60-1	bis (2-chloroisopropyl) ether	0.15	U	0.25	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U M	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.091	U M	0.10	0.091	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U Q	3.0	1.6	0.75
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.30	U M	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U M	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.19	J	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.091	U	0.60	0.091	0.040
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.050

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2814 (RHMW01R) Lab Sample ID: 580-111436-5
 Matrix: Water Lab File ID: 40Scan032322a029.D
 Analysis Method: 8270E Date Collected: 03/15/2022 10:20
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 992.1(mL) Date Analyzed: 03/23/2022 22:45
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384865 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U	0.60	0.30	0.10
98-95-3	Nitrobenzene	0.091	U M	1.0	0.091	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.091	U M	0.40	0.091	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U M	1.0	0.15	0.071
95-48-7	o-Cresol	0.15	U	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U M Q	10	1.0	0.51
108-95-2	Phenol	0.60	U	1.0	0.60	0.36
129-00-0	Pyrene	0.091	U M	1.0	0.091	0.040
110-86-1	Pyridine	3.2	U Q	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	84		43-140
321-60-8	2-Fluorobiphenyl	60		44-119
367-12-4	2-Fluorophenol (Surr)	52		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	66		44-120
4165-62-2	Phenol-d5 (Surr)	40		10-120
1718-51-0	Terphenyl-d14	91		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Lims ID: 580-111436-B-5-A
 Client ID: ERH2814 (RHMW01R)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 22:45:30 ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-5-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 18:19:02 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw

Date: 24-Mar-2022 18:19:02

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	93	17805	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	68065	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	79	35835	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	94	57288	100.0	
* 5 Chrysene-d12	240	10.571	10.571	0.000	94	55601	100.0	
* 6 Perylene-d12	264	12.083	12.083	0.000	95	66619	100.0	
\$ 7 2-Fluorophenol	112	3.659	3.718	0.005	92	122399	518.2	
\$ 8 Phenol-d5	99	4.448	4.466	0.006	0	113438	397.8	
\$ 9 Nitrobenzene-d5	82	5.136	5.148	-0.006	93	182129	659.5	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	94	283754	595.7	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	48	84437	843.5	
\$ 12 Terphenyl-d14	244	9.689	9.689	0.000	97	414393	913.5	
26 Cyclohexanone	55	4.542	4.589	0.000	29	2159	NC	
21 n-Decane	57	4.572	4.572	0.000	91	23512	63.6	
27 Benzyl alcohol	79	4.825	4.825	0.012	82	501657	2638.5	M
41 Naphthalene	128	5.742	5.742	0.006	50	26934	38.9	
60 Acenaphthene	153	7.177	7.183	-0.006	60	5870	13.3	
61 Dibenzofuran	168	7.324	7.324	0.000	86	14345	25.4	
77 Pentachlorophenol	266	8.230	8.230	0.006	1	431	218.0	a
82 2,3-Dichlorobenzamine	161	8.477	8.477	0.000	1	556	NC	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	37	74557	95.7	
88 Nonylphenol	135	9.742	9.736	0.006	0	630	NC	
87 Butyl benzyl phthalate	149	10.107	10.107	0.000	64	10620	31.8	
92 Bis(2-ethylhexyl) phthalate	149	10.624	10.630	-0.006	93	127599	275.1	
121 DFTPP								
123 4,4'-DDE	246	9.660	9.648	0.012	1	492	NR	
124 4,4'-DDD	235	9.918	9.924	-0.006	1	630	NR	
125 4,4'-DDT	235	10.195	10.177	0.018	1	250	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MeCl2_CT_00216

Amount Added: 1.00

Units: mL

Run Reagent

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D

Injection Date: 23-Mar-2022 22:45:30

Instrument ID: TAC040

Lims ID: 580-111436-B-5-A

Lab Sample ID: 580-111436-5

Client ID: ERH2814 (RHMW01R)

Operator ID: jcm

ALS Bottle#: 25

Worklist Smp#: 25

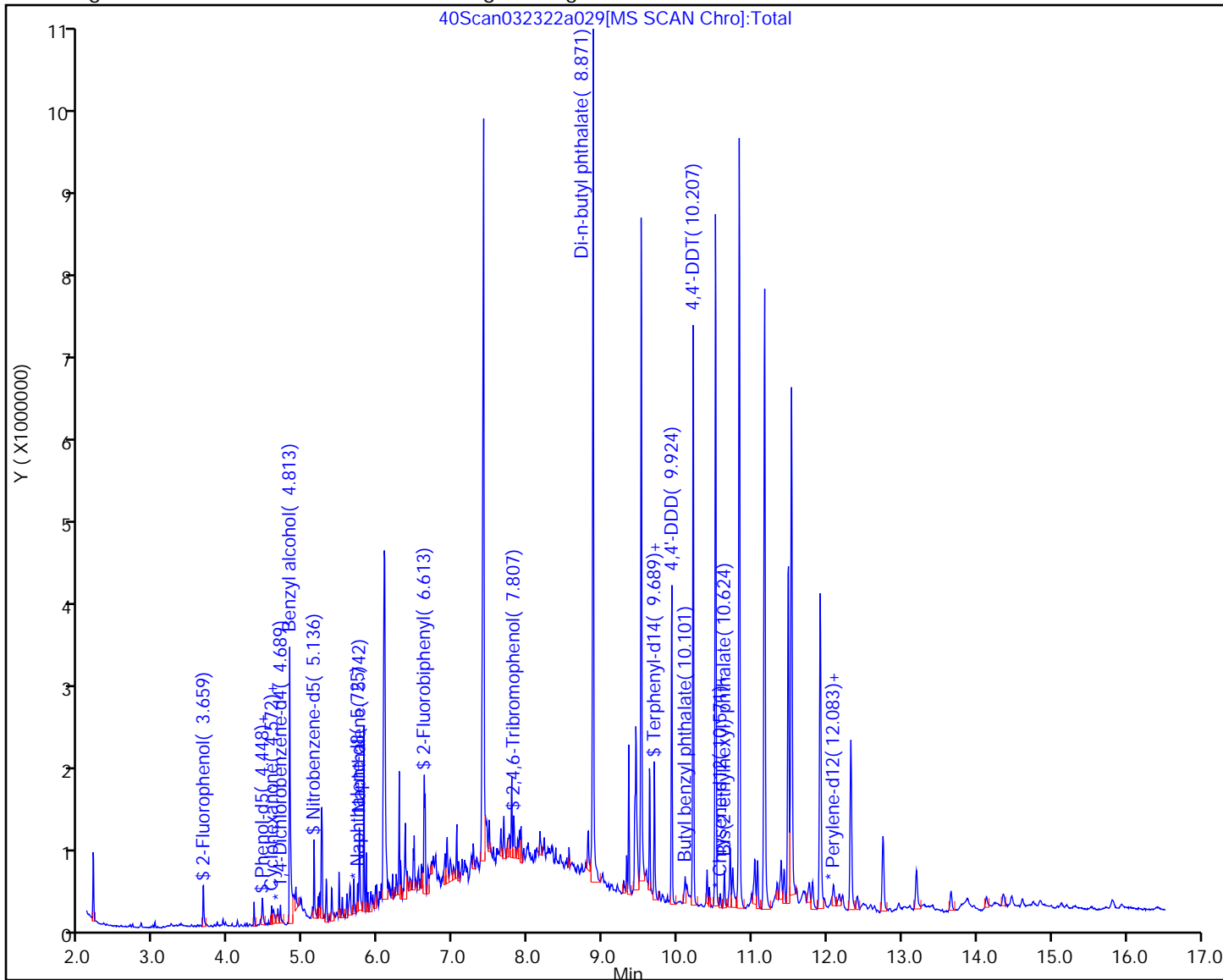
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Lims ID: 580-111436-B-5-A
 Client ID: ERH2814 (RHMW01R)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 22:45:30 ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-5-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 18:19:02 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw

Date: 24-Mar-2022 18:19:02

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-Fluorophenol	1000.0	518.2	51.82
\$ 8 Phenol-d5	1000.0	397.8	39.78
\$ 9 Nitrobenzene-d5	1000.0	659.5	65.95
\$ 10 2-Fluorobiphenyl	1000.0	595.7	59.57
\$ 11 2,4,6-Tribromophenol	1000.0	843.5	84.35
\$ 12 Terphenyl-d14	1000.0	913.5	91.35

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D

Injection Date: 23-Mar-2022 22:45:30

Instrument ID: TAC040

Lims ID: 580-111436-B-5-A

Lab Sample ID: 580-111436-5

Client ID: ERH2814 (RHMW01R)

Operator ID: jcm

ALS Bottle#: 25 Worklist Smp#: 25

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

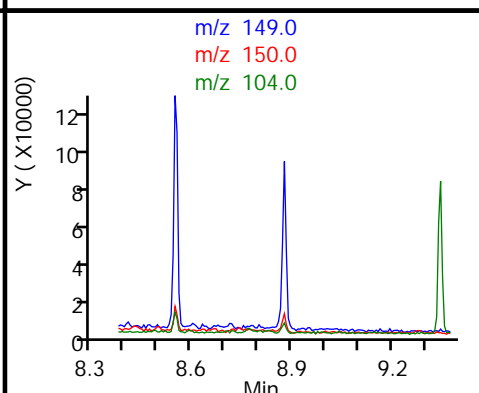
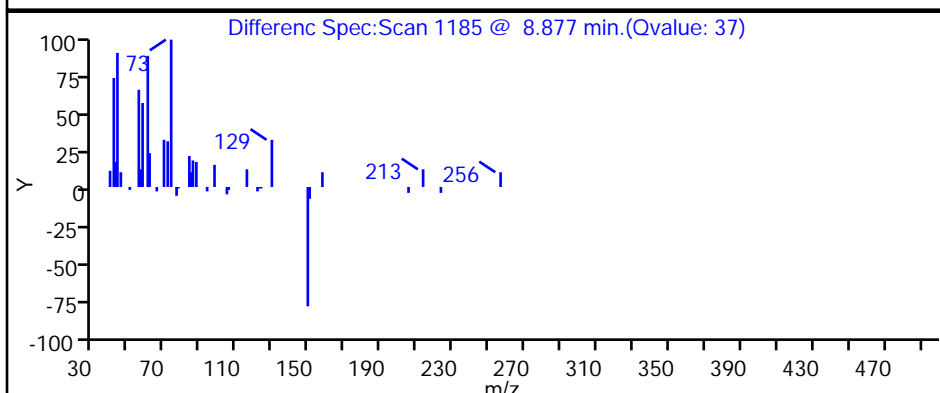
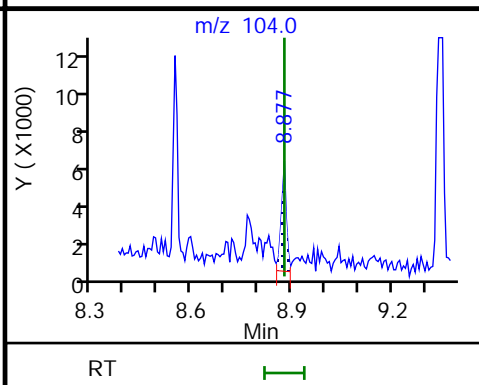
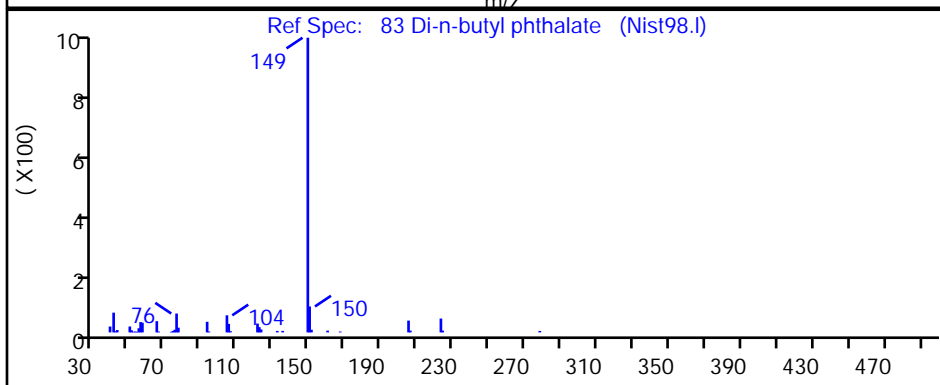
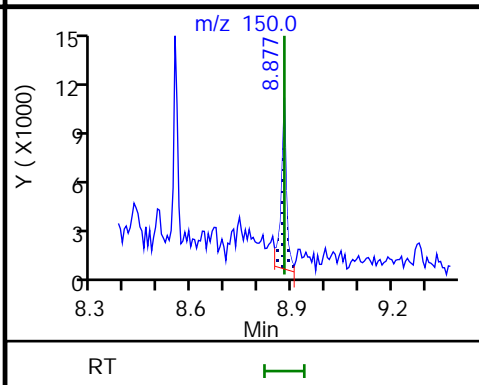
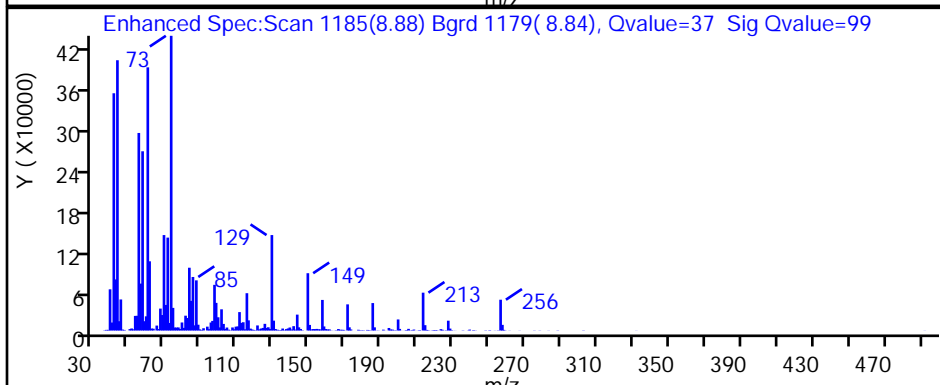
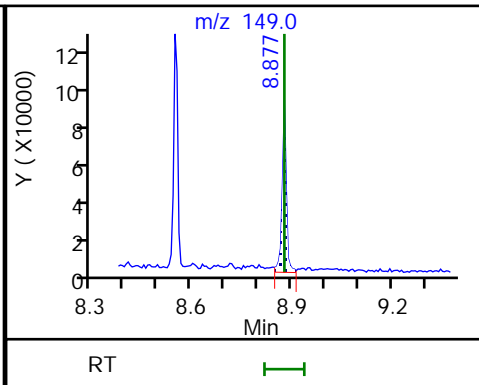
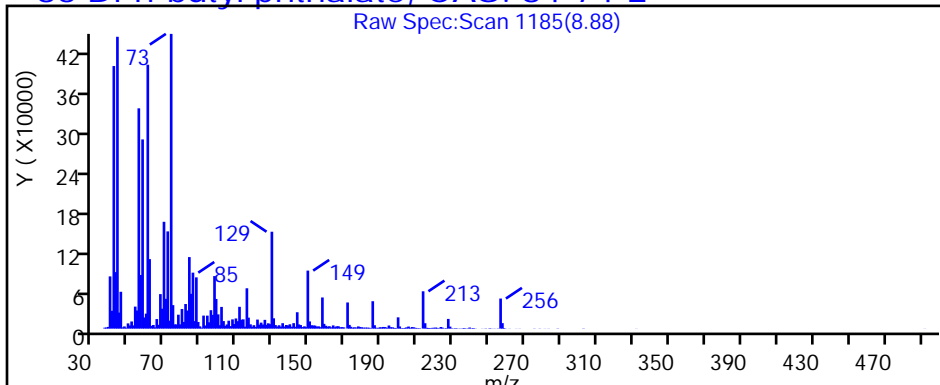
Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Column:

Detector MS SCAN

83 Di-n-butyl phthalate, CAS: 84-74-2

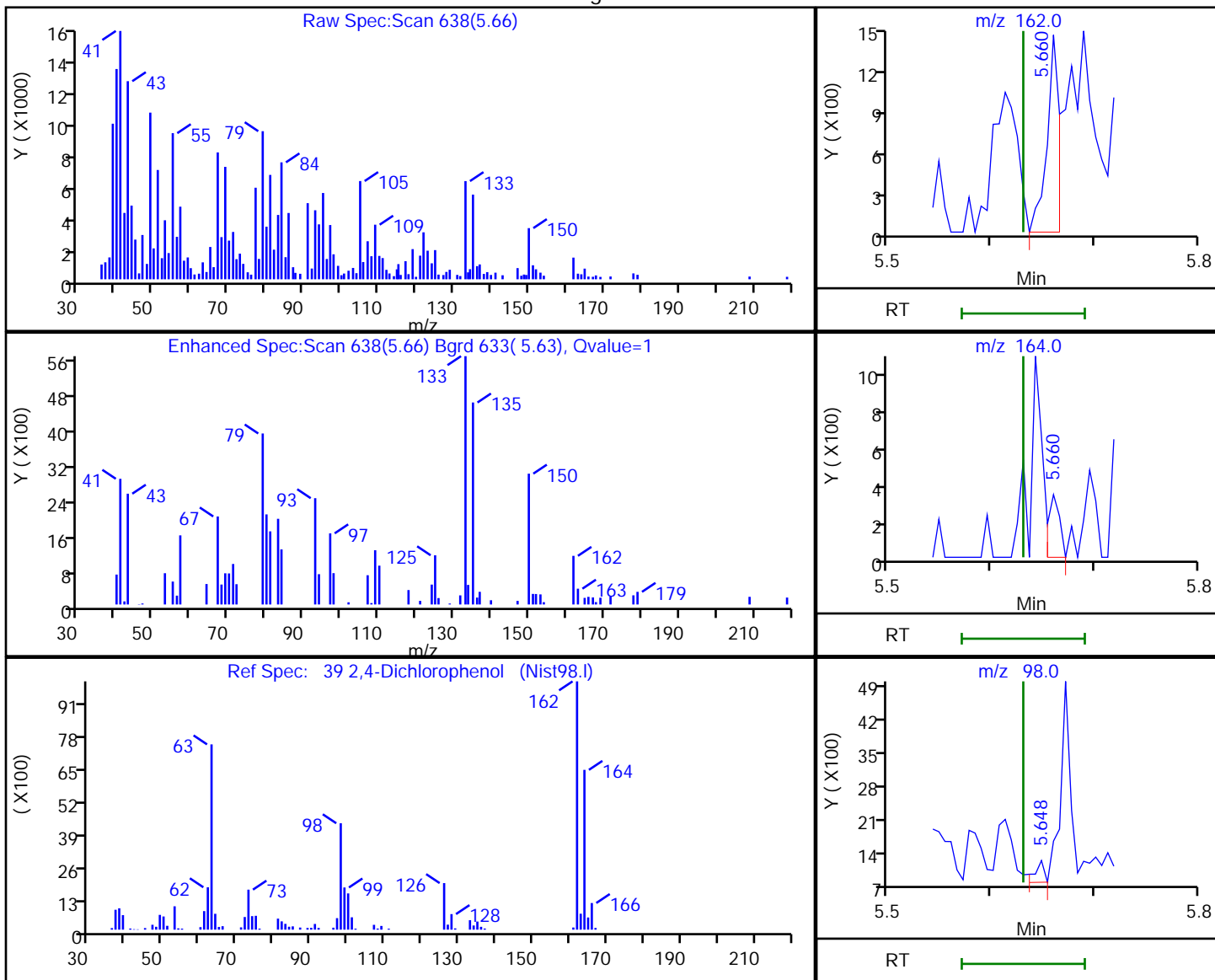


Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

39 2,4-Dichlorophenol, CAS: 120-83-2

Processing Results



RT	Mass	Response	Amount
5.66	162.00	1148	6.896535
5.66	164.00	246	
5.65	98.00	284	

Reviewer: thaneeratw, 24-Mar-2022 18:13:59

Audit Action: Marked Compound Undetected

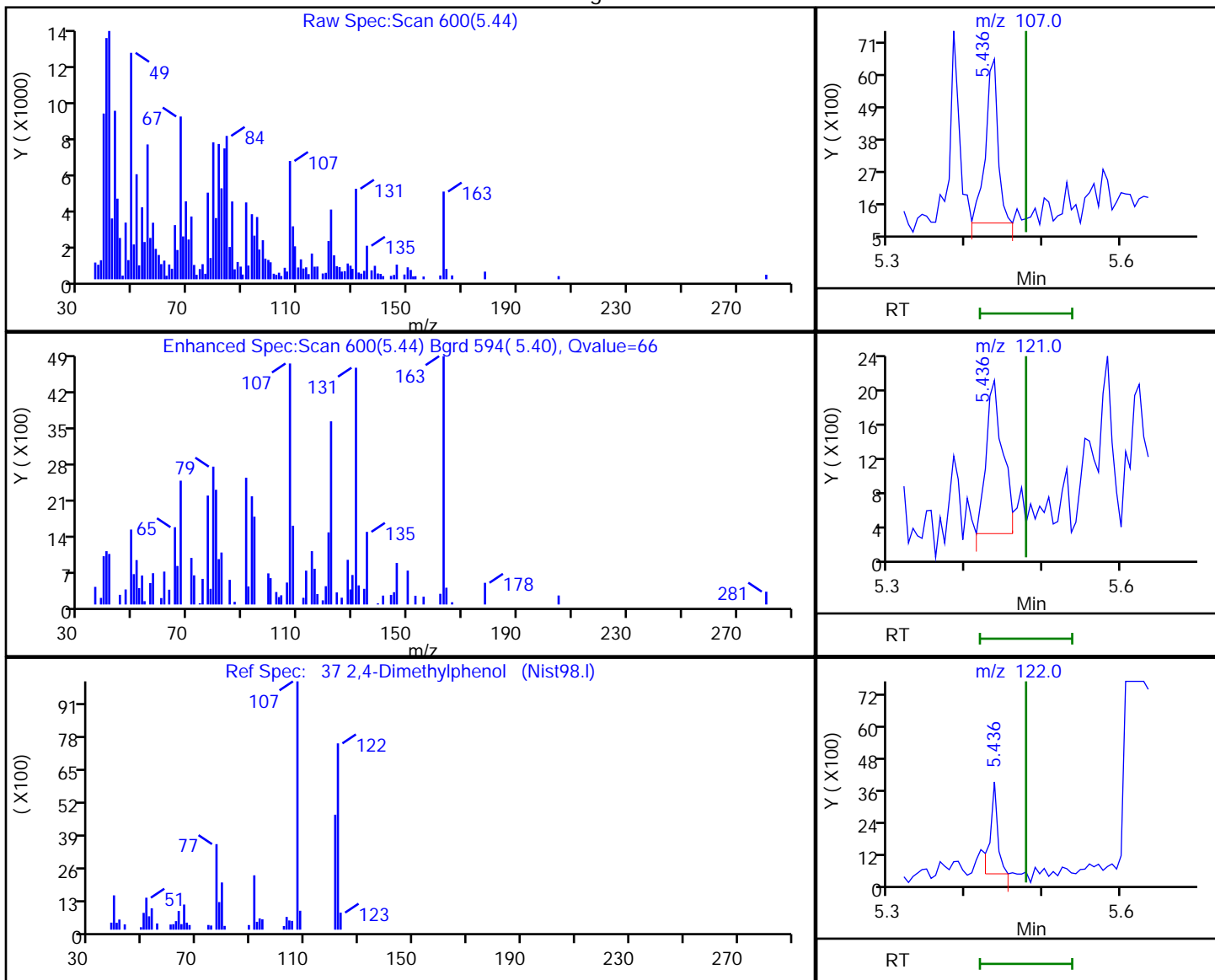
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

37 2,4-Dimethylphenol, CAS: 105-67-9

Processing Results



RT	Mass	Response	Amount
5.44	107.00	6288	26.989946
5.44	121.00	2719	
5.44	122.00	2324	

Reviewer: thaneeratw, 24-Mar-2022 18:13:42

Audit Action: Marked Compound Undetected

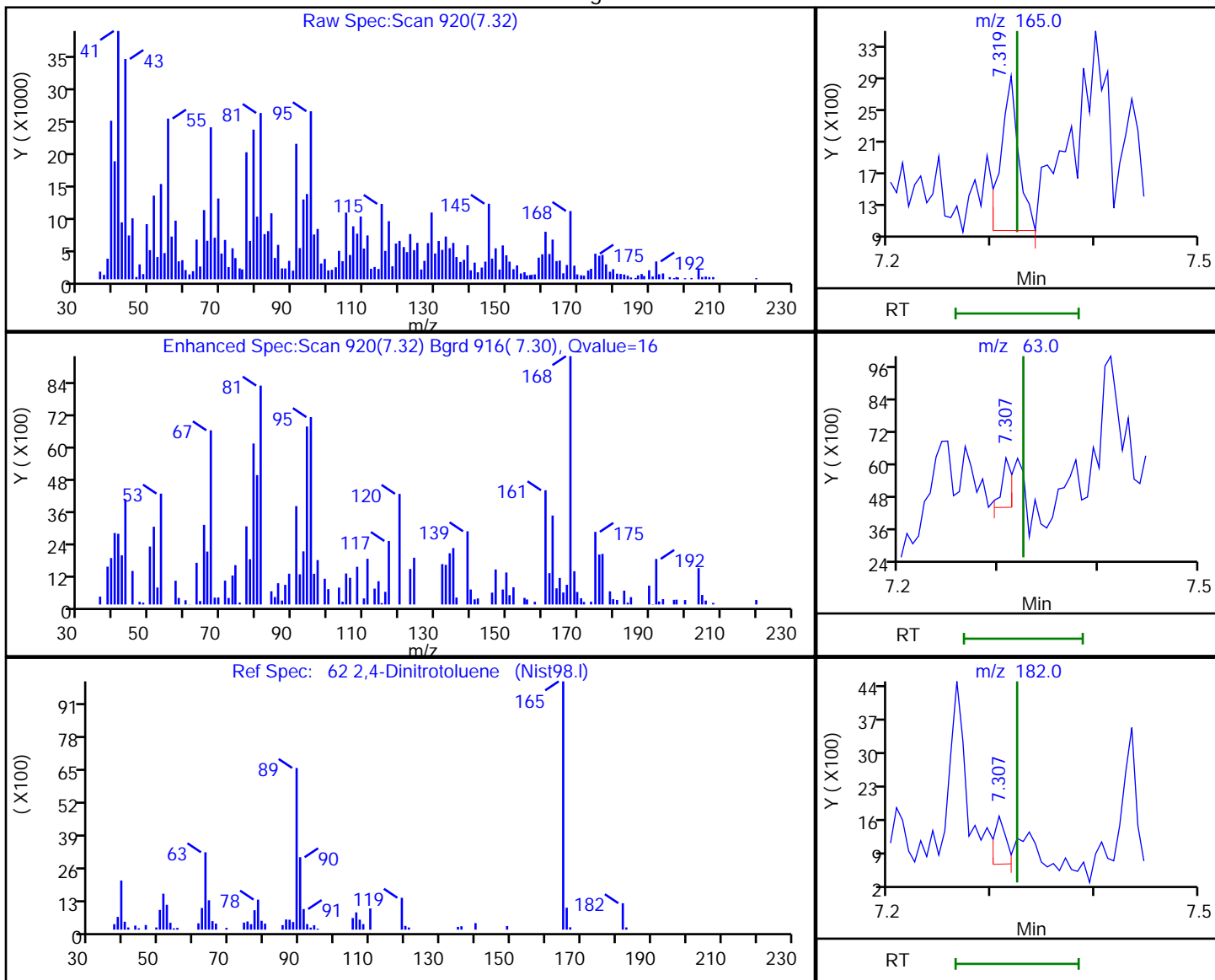
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

62 2,4-Dinitrotoluene, CAS: 121-14-2

Processing Results



RT	Mass	Response	Amount
7.32	165.00	2301	50.459601
7.31	63.00	1311	
7.31	182.00	816	

Reviewer: thaneeratw, 24-Mar-2022 18:14:39

Audit Action: Marked Compound Undetected

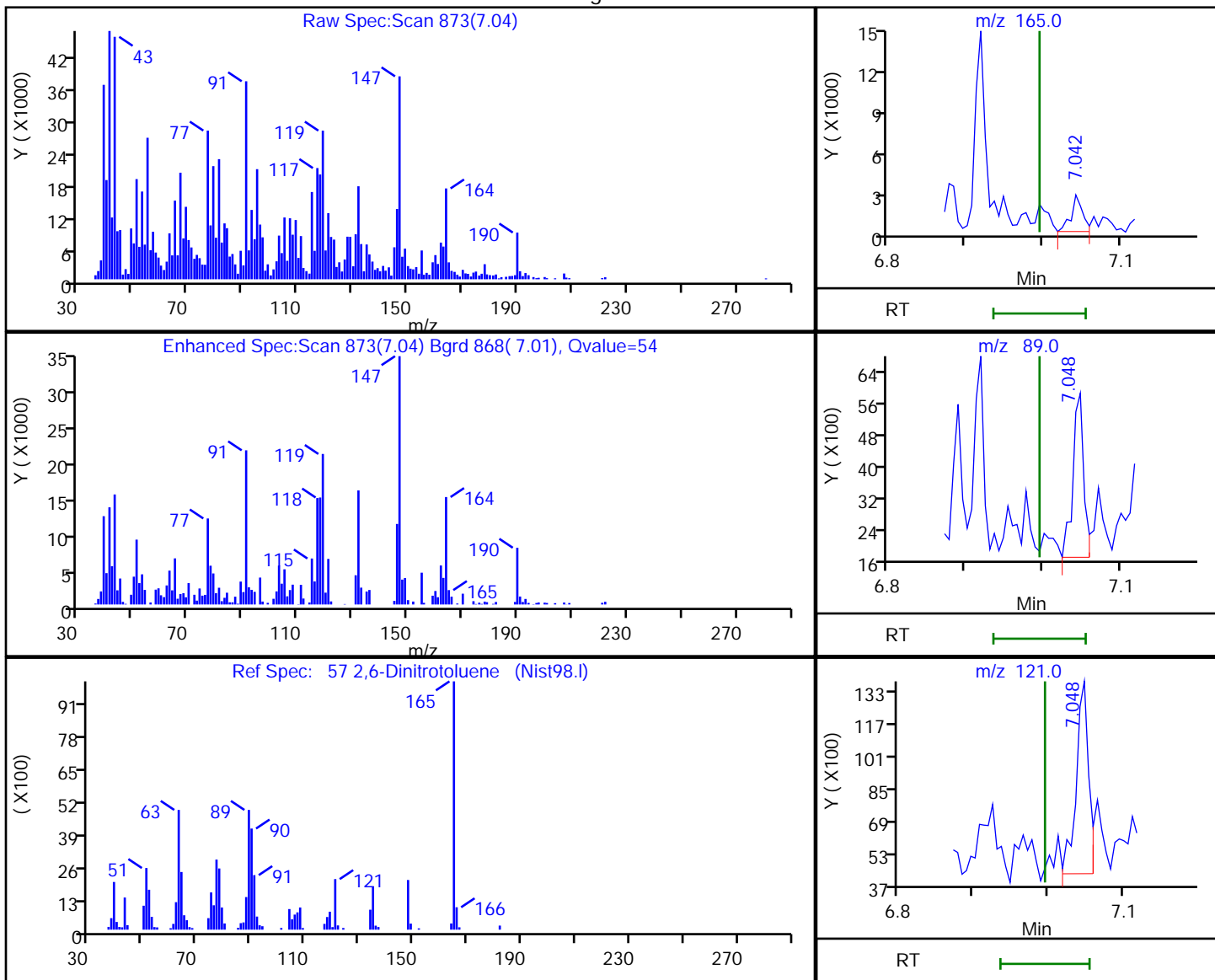
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

57 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
7.04	165.00	2547	39.623320
7.05	89.00	4119	
7.05	121.00	11230	

Reviewer: thaneeratw, 24-Mar-2022 18:14:27

Audit Action: Marked Compound Undetected

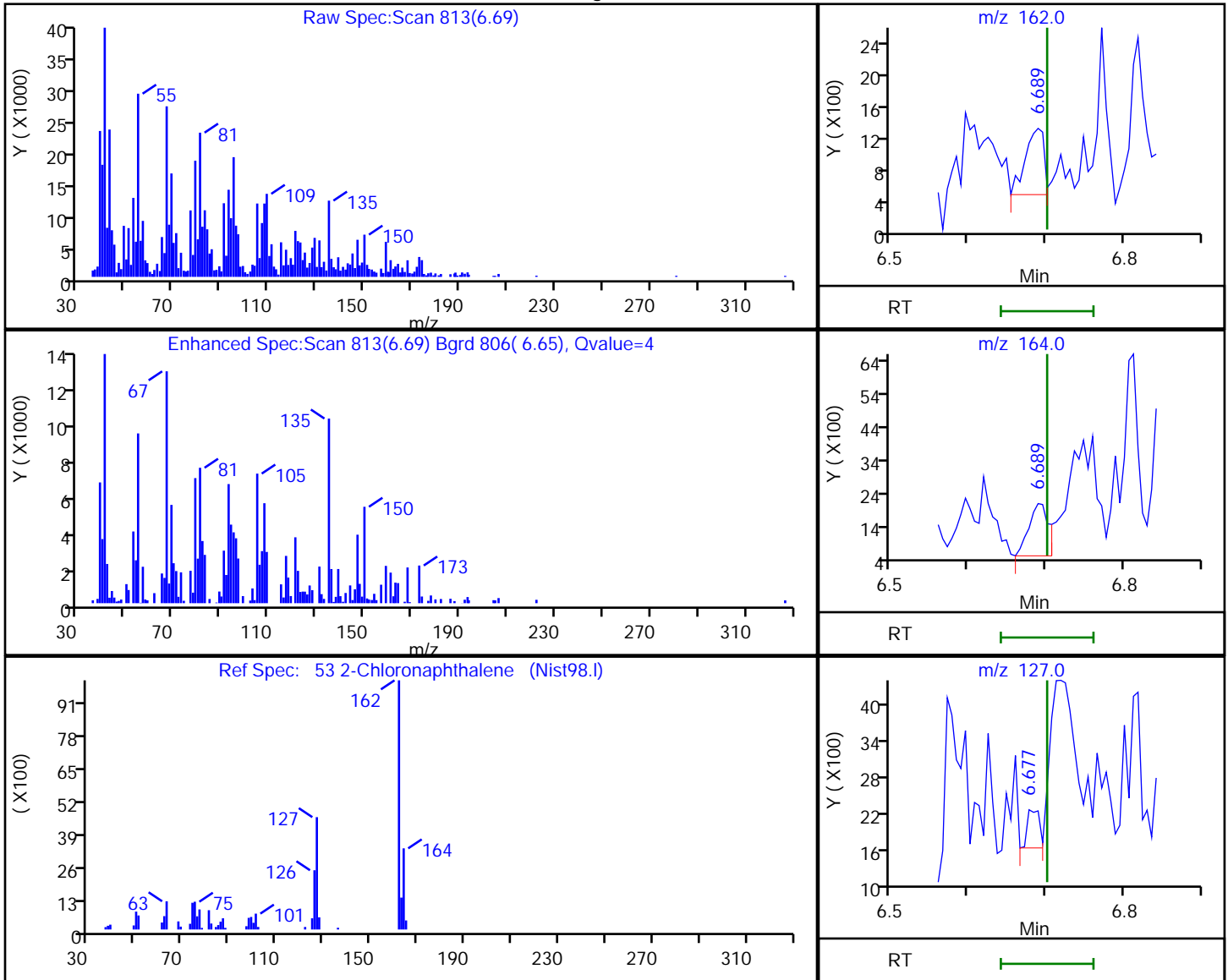
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

53 2-Chloronaphthalene, CAS: 91-58-7

Processing Results



RT	Mass	Response	Amount
6.69	162.00	1380	3.298614
6.69	164.00	2790	
6.68	127.00	688	

Reviewer: thaneeratw, 24-Mar-2022 18:14:21
 Audit Action: Marked Compound Undetected

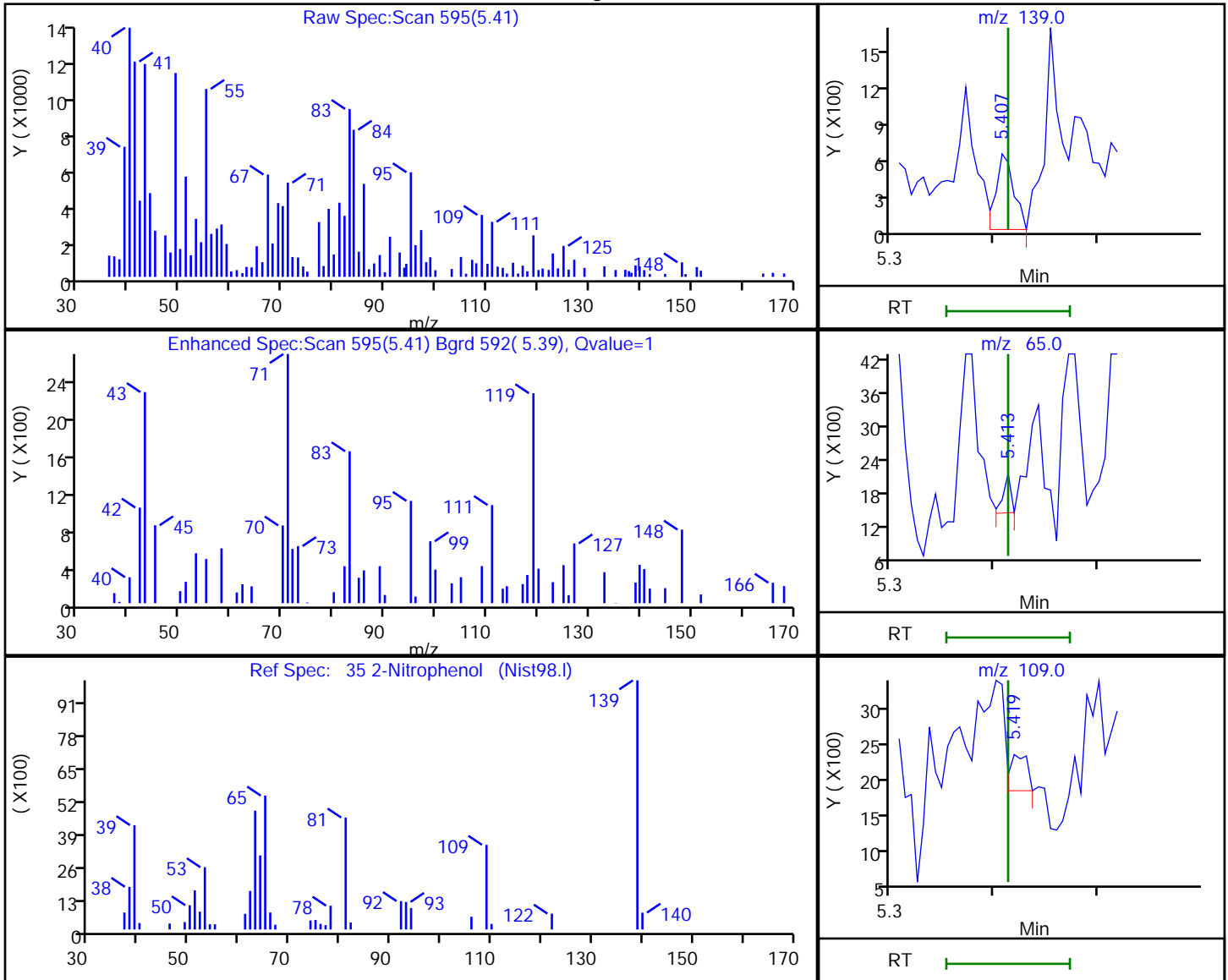
Audit Reason: Invalid Compound ID

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

35 2-Nitrophenol, CAS: 88-75-5

Processing Results



RT	Mass	Response	Amount
5.41	139.00	733	6.659179
5.41	65.00	357	
5.42	109.00	597	

Reviewer: thaneeratw, 24-Mar-2022 18:13:39

Audit Action: Marked Compound Undetected

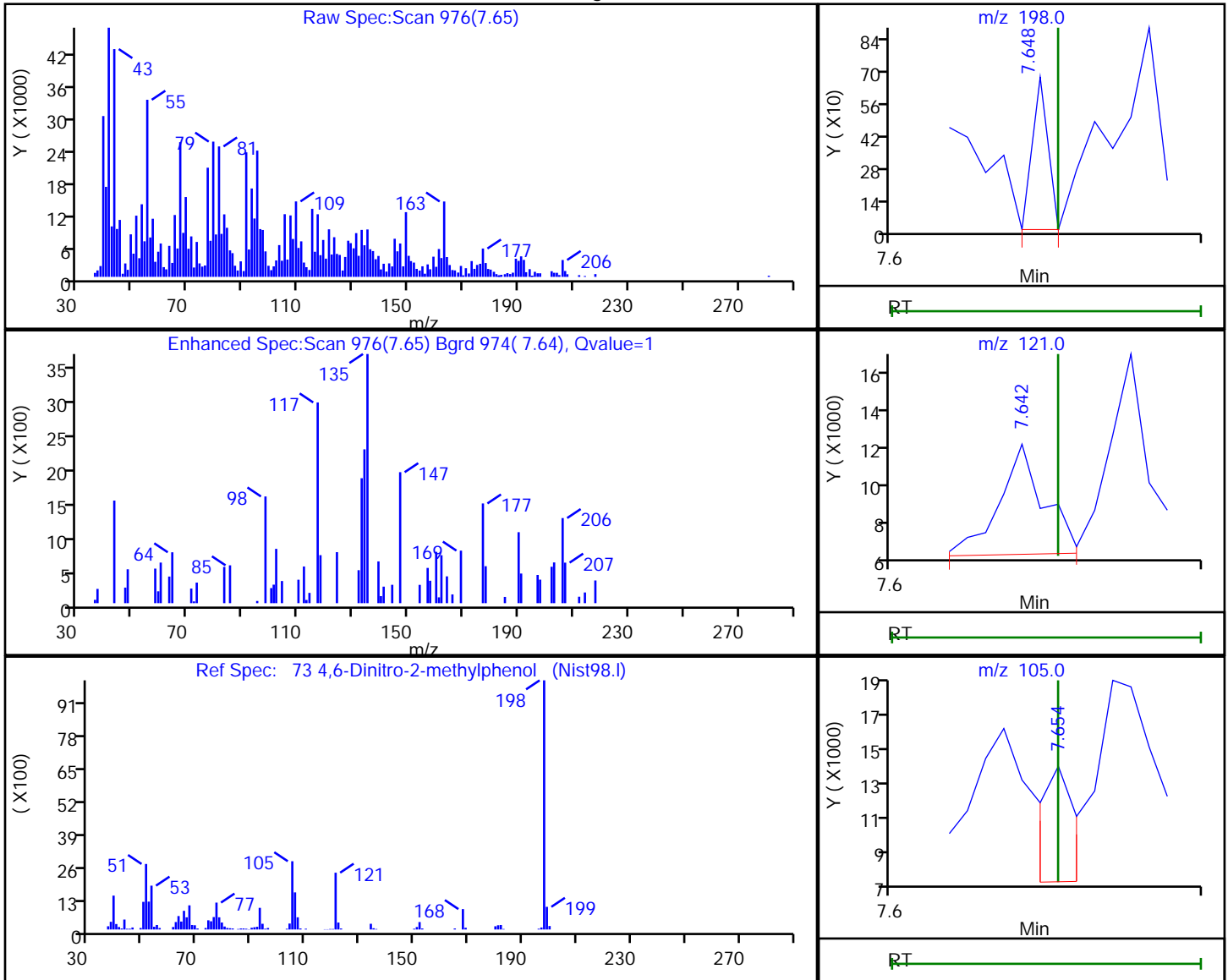
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

73 4,6-Dinitro-2-methylphenol, CAS: 534-52-1

Processing Results



RT	Mass	Response	Amount
7.65	198.00	236	230.6930
7.64	121.00	5670	
7.65	105.00	4862	

Reviewer: thaneeratw, 24-Mar-2022 18:14:54
 Audit Action: Marked Compound Undetected

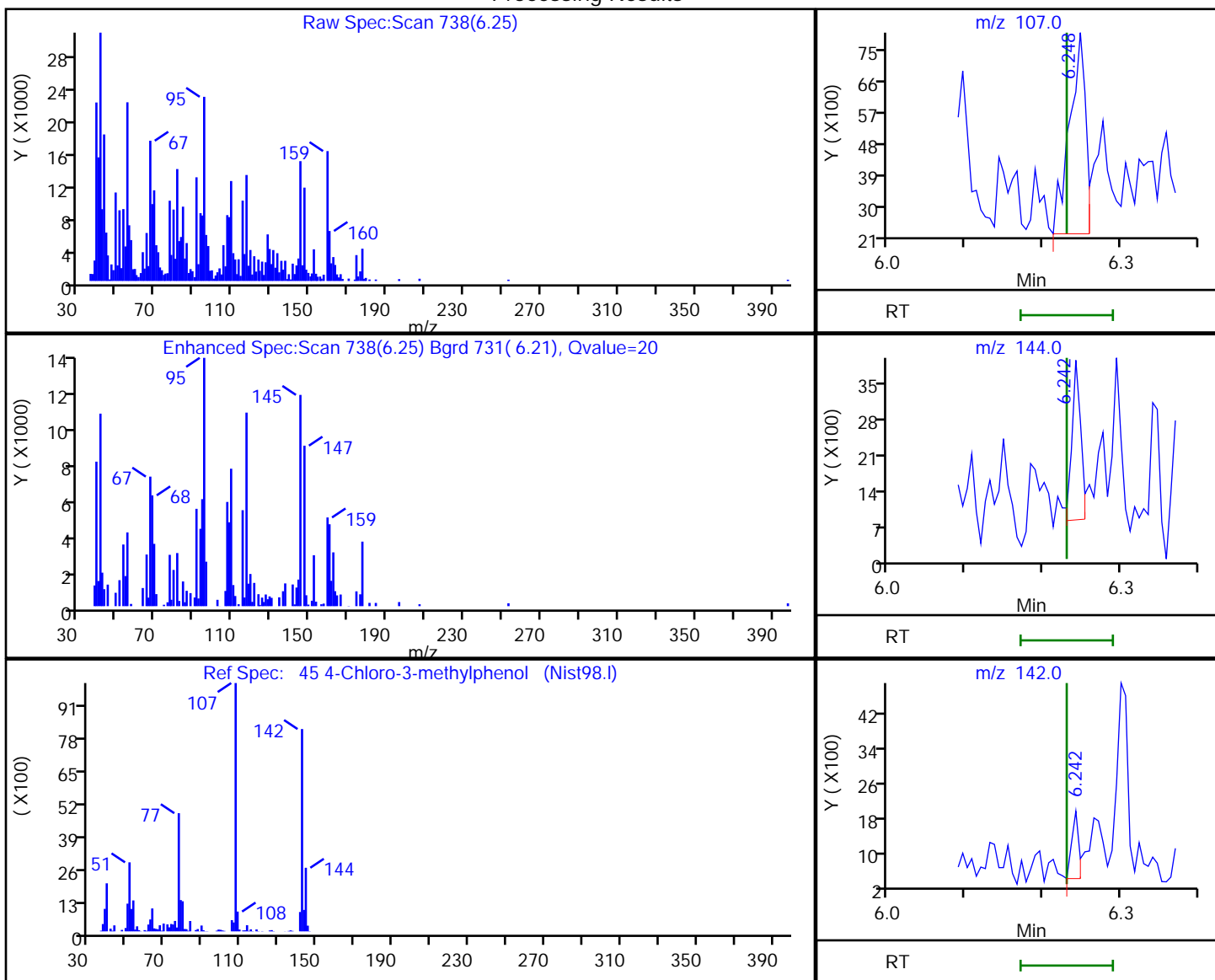
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

45 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
6.25	107.00	8481	65.735123
6.24	144.00	2529	
6.24	142.00	971	

Reviewer: thaneeratw, 24-Mar-2022 18:14:09

Audit Action: Marked Compound Undetected

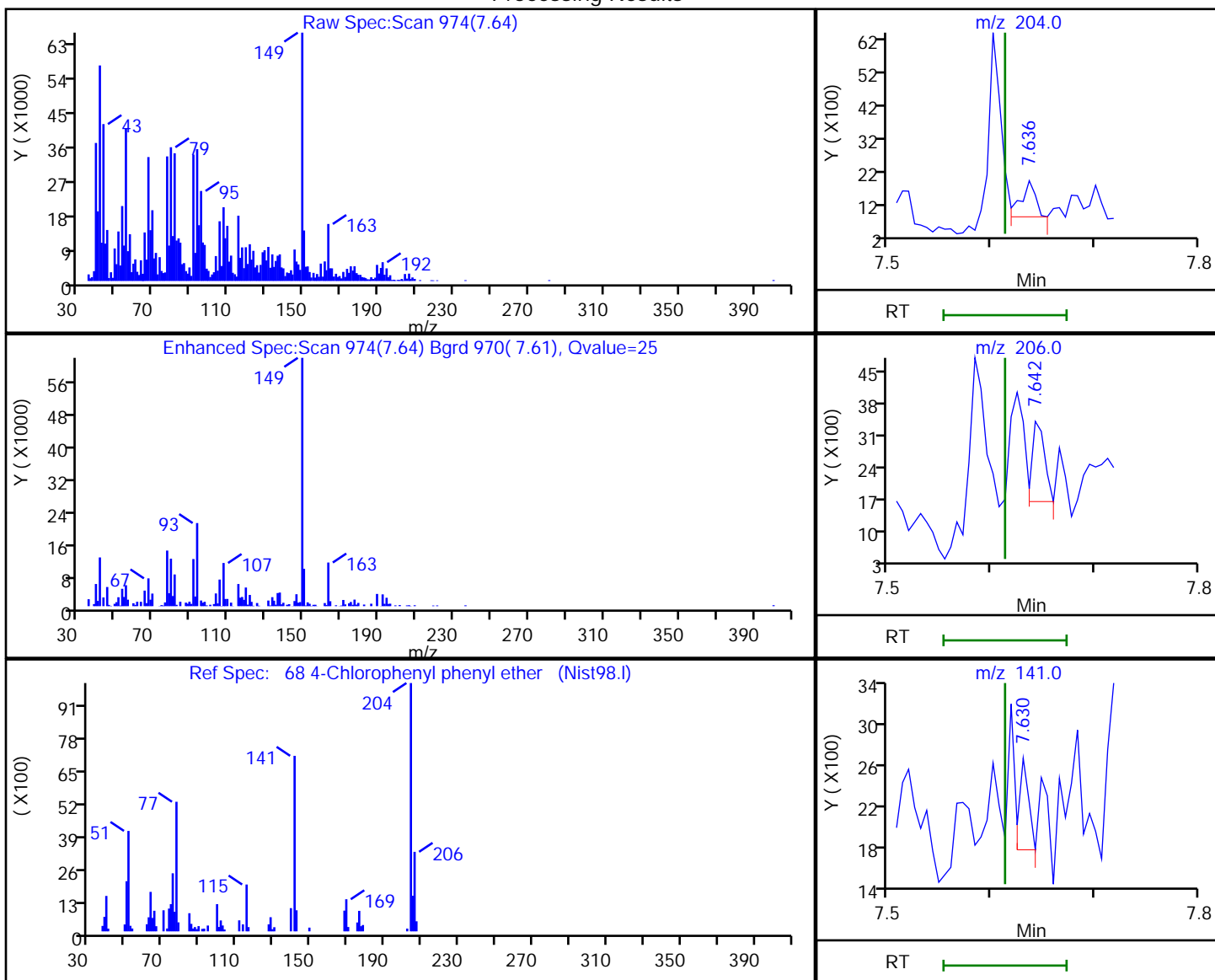
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

68 4-Chlorophenyl phenyl ether, CAS: 7005-72-3

Processing Results



RT	Mass	Response	Amount
7.64	204.00	1076	5.343335
7.64	206.00	1461	
7.63	141.00	561	

Reviewer: thaneeratw, 24-Mar-2022 18:14:50

Audit Action: Marked Compound Undetected

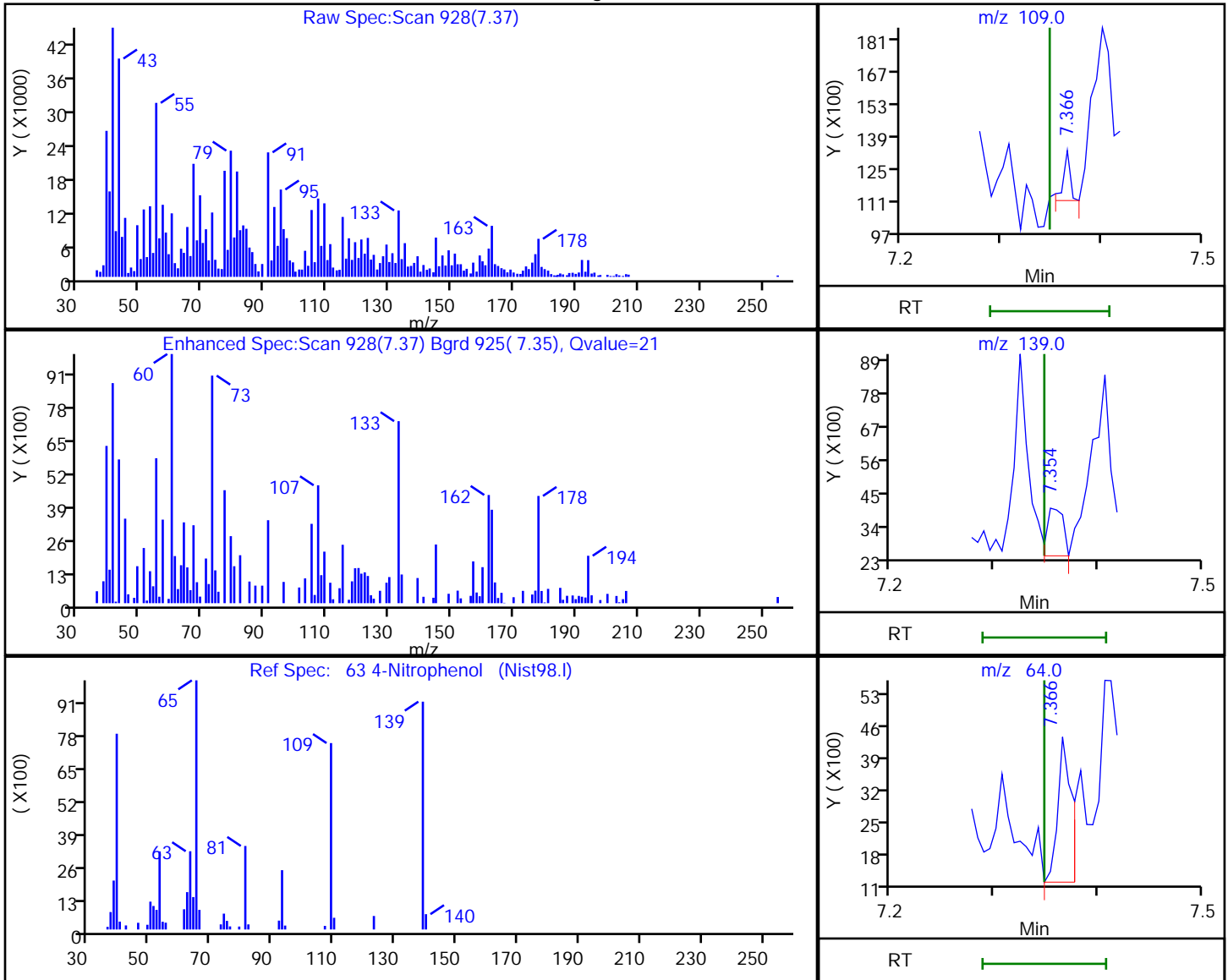
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

63 4-Nitrophenol, CAS: 100-02-7

Processing Results



RT	Mass	Response	Amount
7.37	109.00	1039	389.5211
7.35	139.00	1711	
7.37	64.00	3013	

Reviewer: thaneeratw, 24-Mar-2022 18:14:41

Audit Action: Marked Compound Undetected

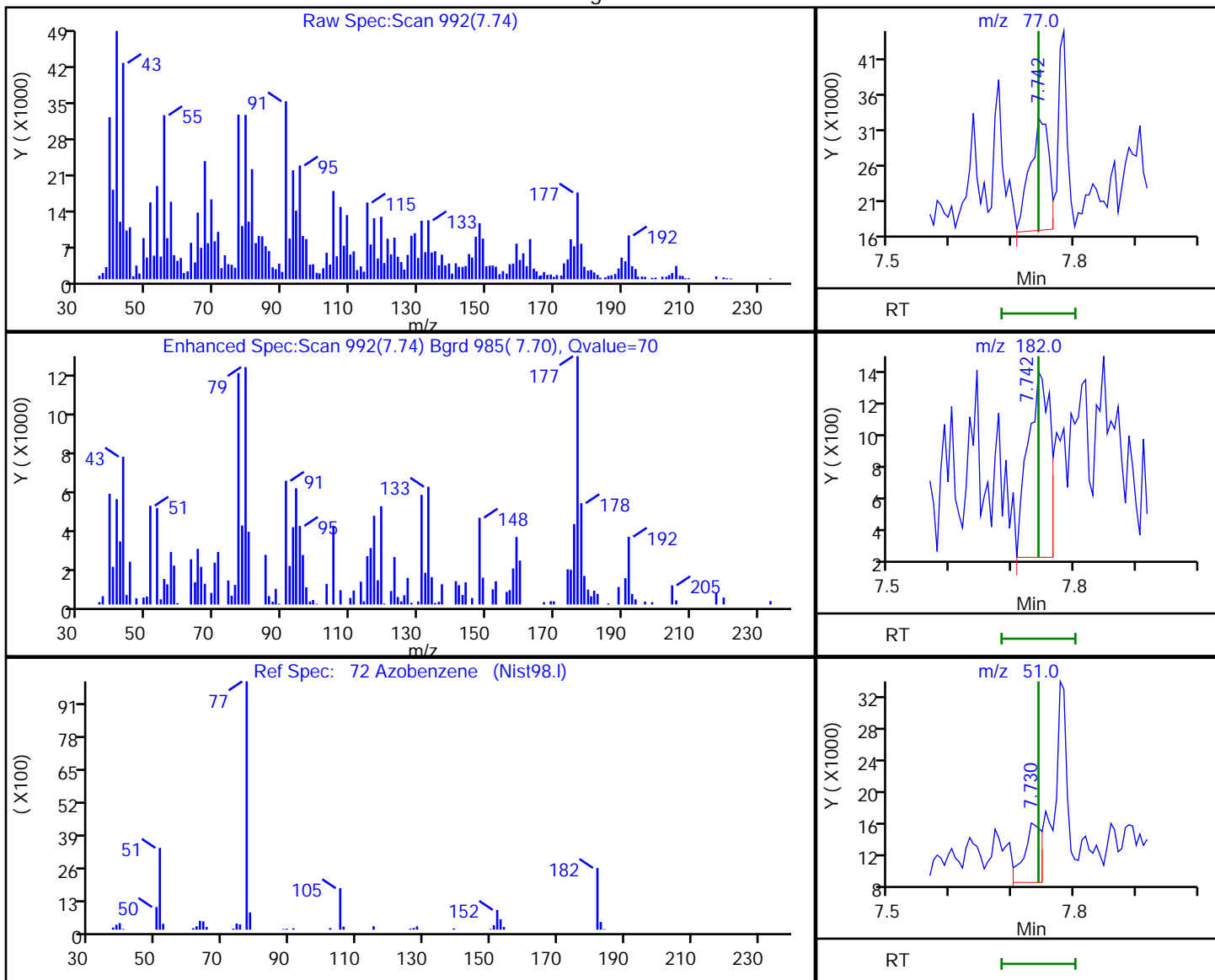
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

72 Azobenzene, CAS: 103-33-3

Processing Results



RT	Mass	Response	Amount
7.74	77.00	33114	57.550171
7.74	182.00	2644	
7.73	51.00	14820	

Reviewer: thaneeratw, 24-Mar-2022 18:14:59

Audit Action: Marked Compound Undetected

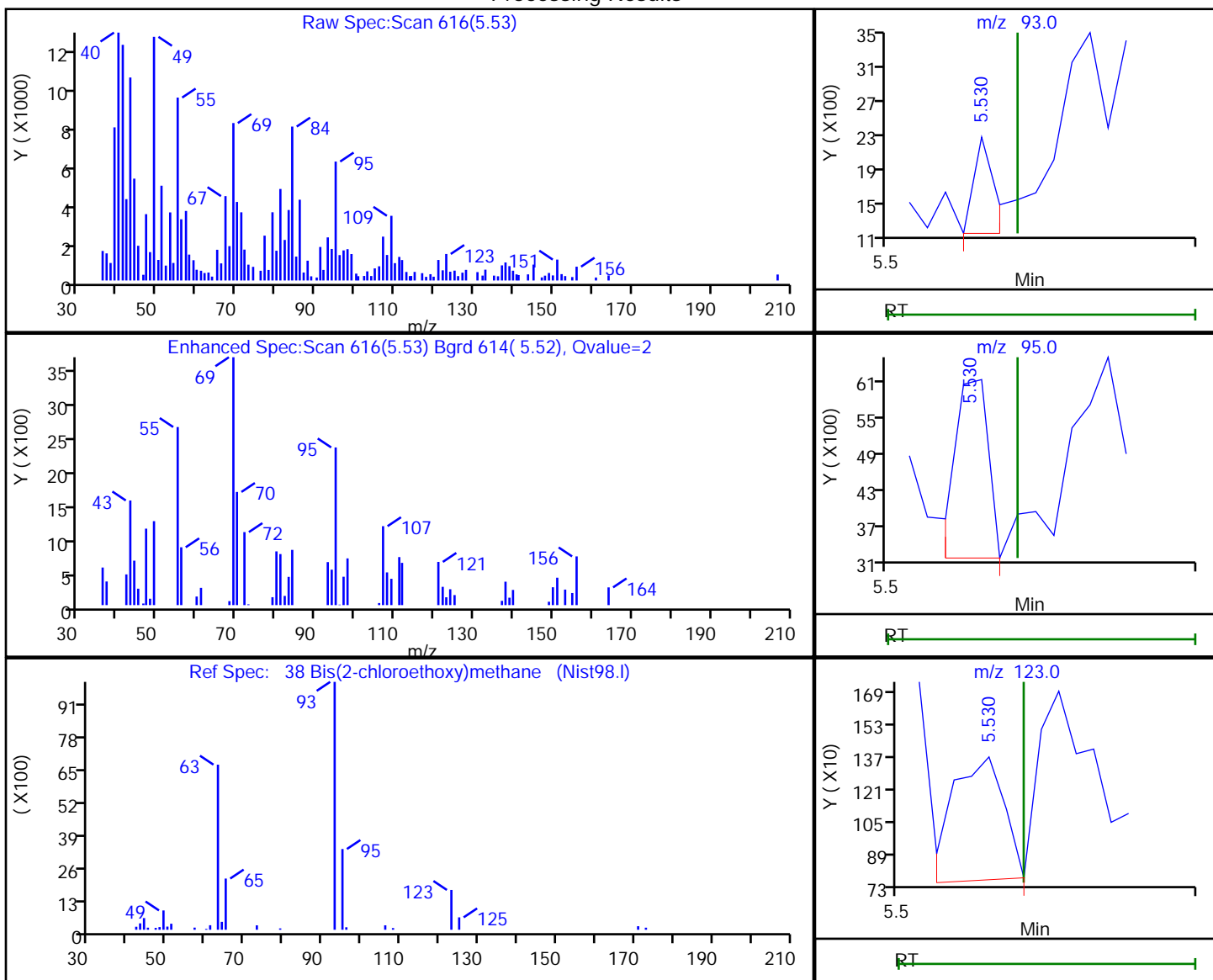
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

38 Bis(2-chloroethoxy)methane, CAS: 111-91-1

Processing Results



RT	Mass	Response	Amount
5.53	93.00	501	1.742252
5.53	95.00	2276	
5.53	123.00	748	

Reviewer: thaneeratw, 24-Mar-2022 18:13:44

Audit Action: Marked Compound Undetected

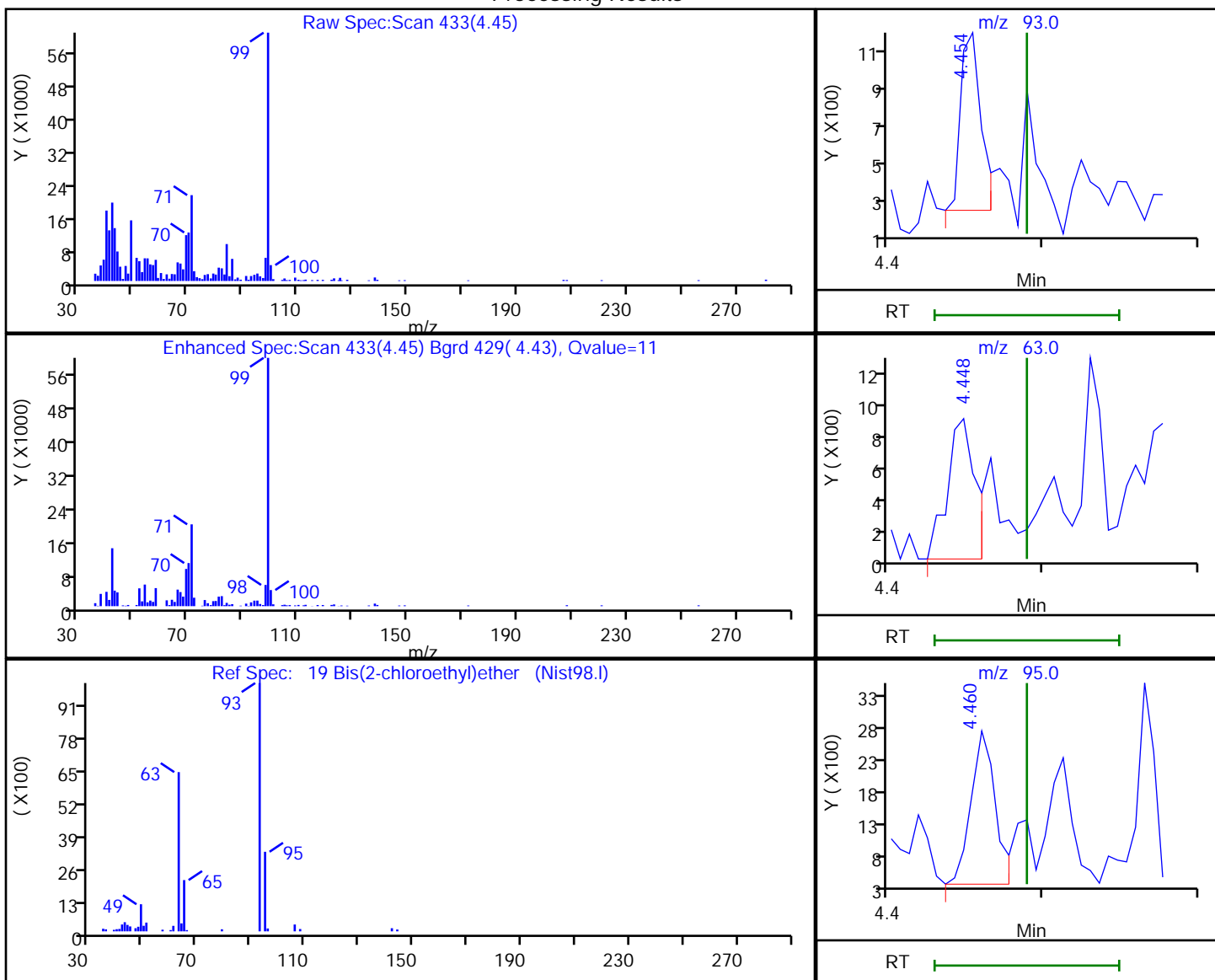
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

19 Bis(2-chloroethyl)ether, CAS: 111-44-4

Processing Results



RT	Mass	Response	Amount
4.45	93.00	850	3.650887
4.45	63.00	1137	
4.46	95.00	2606	

Reviewer: thaneeratw, 24-Mar-2022 18:12:45

Audit Action: Marked Compound Undetected

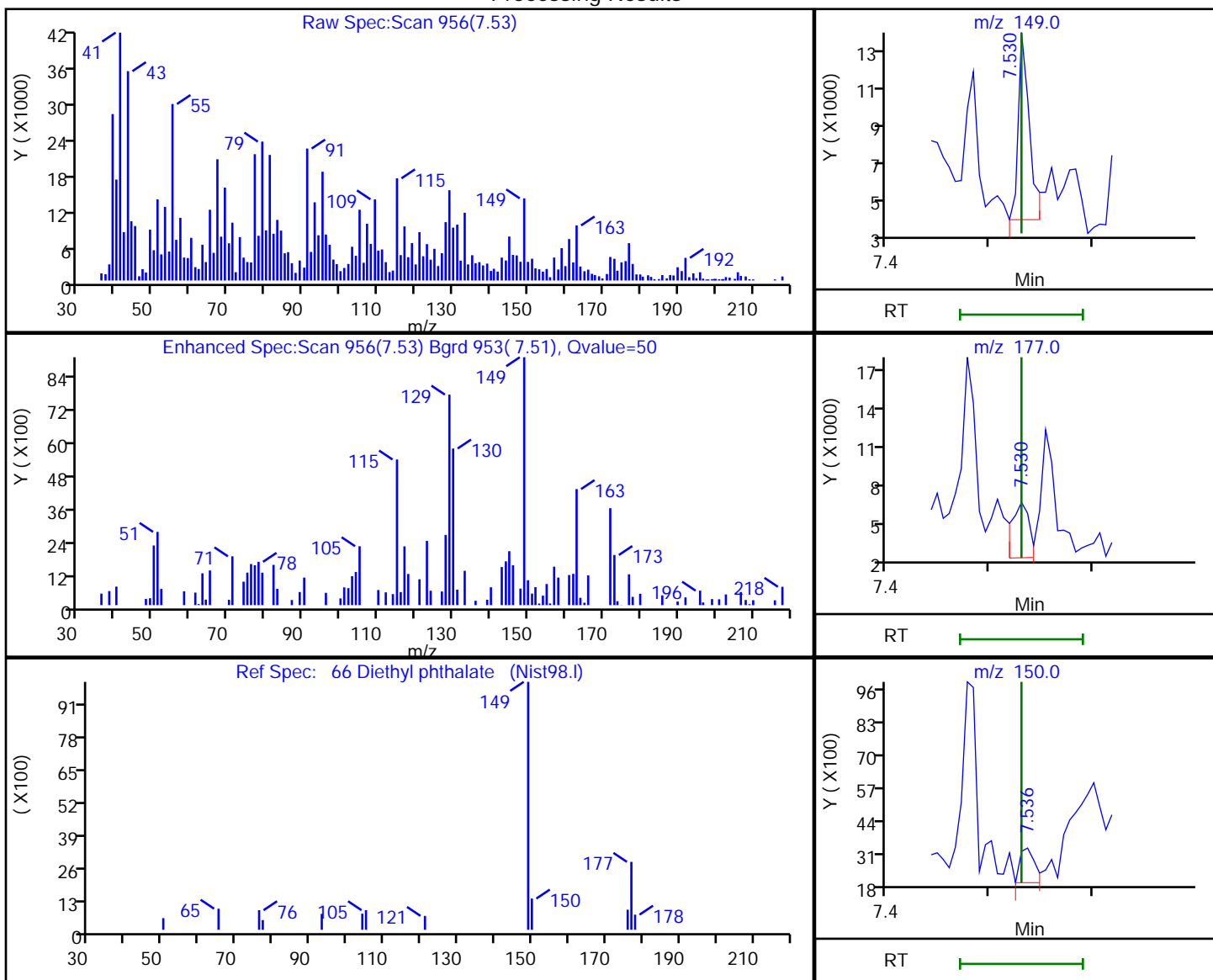
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

66 Diethyl phthalate, CAS: 84-66-2

Processing Results



RT	Mass	Response	Amount
7.53	149.00	7429	15.783642
7.53	177.00	4975	
7.54	150.00	1382	

Reviewer: thaneeratw, 24-Mar-2022 18:14:46

Audit Action: Marked Compound Undetected

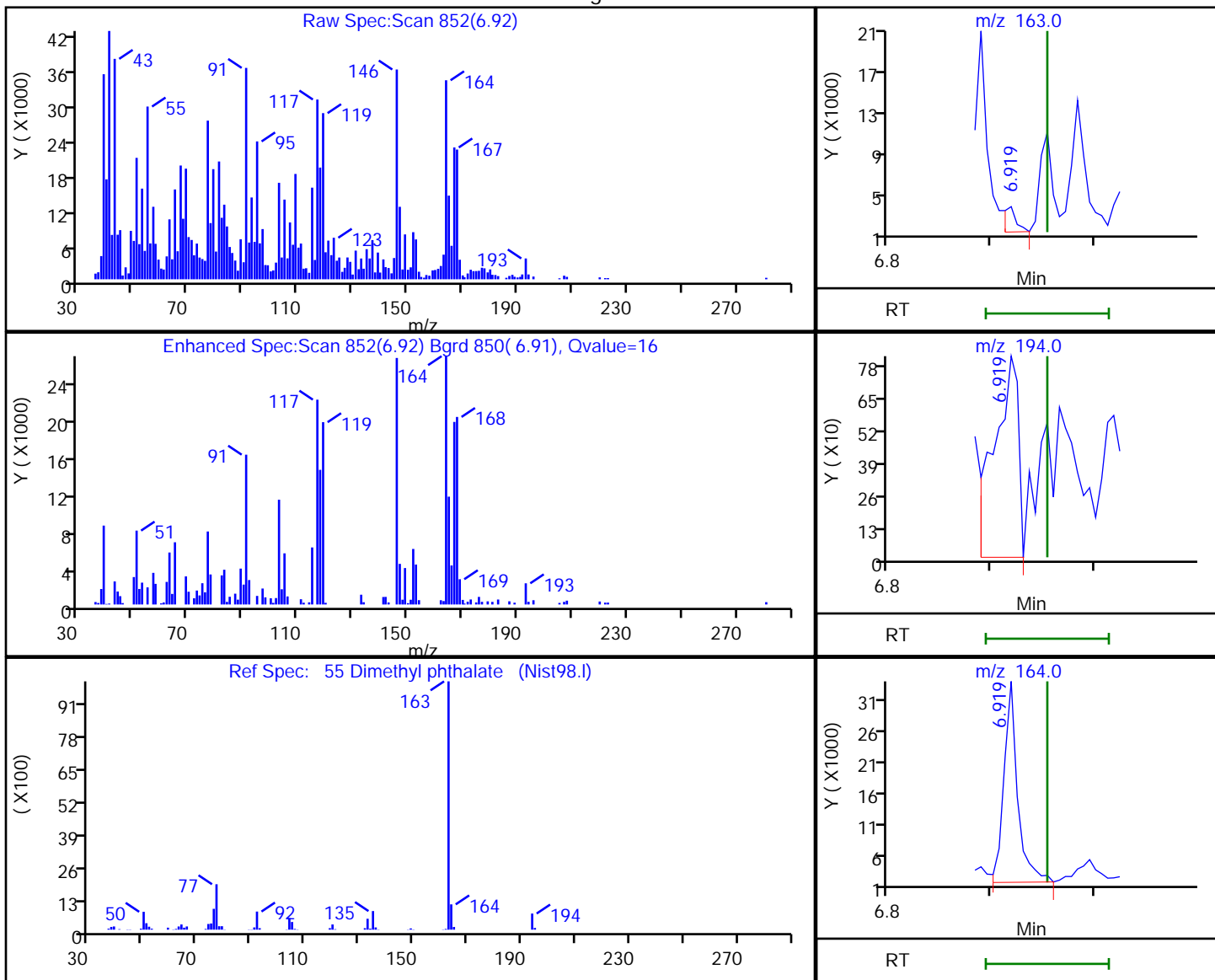
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

55 Dimethyl phthalate, CAS: 131-11-3

Processing Results



RT	Mass	Response	Amount
6.92	163.00	1939	4.413909
6.92	194.00	1334	
6.92	164.00	30178	

Reviewer: thaneeratw, 24-Mar-2022 18:14:24

Audit Action: Marked Compound Undetected

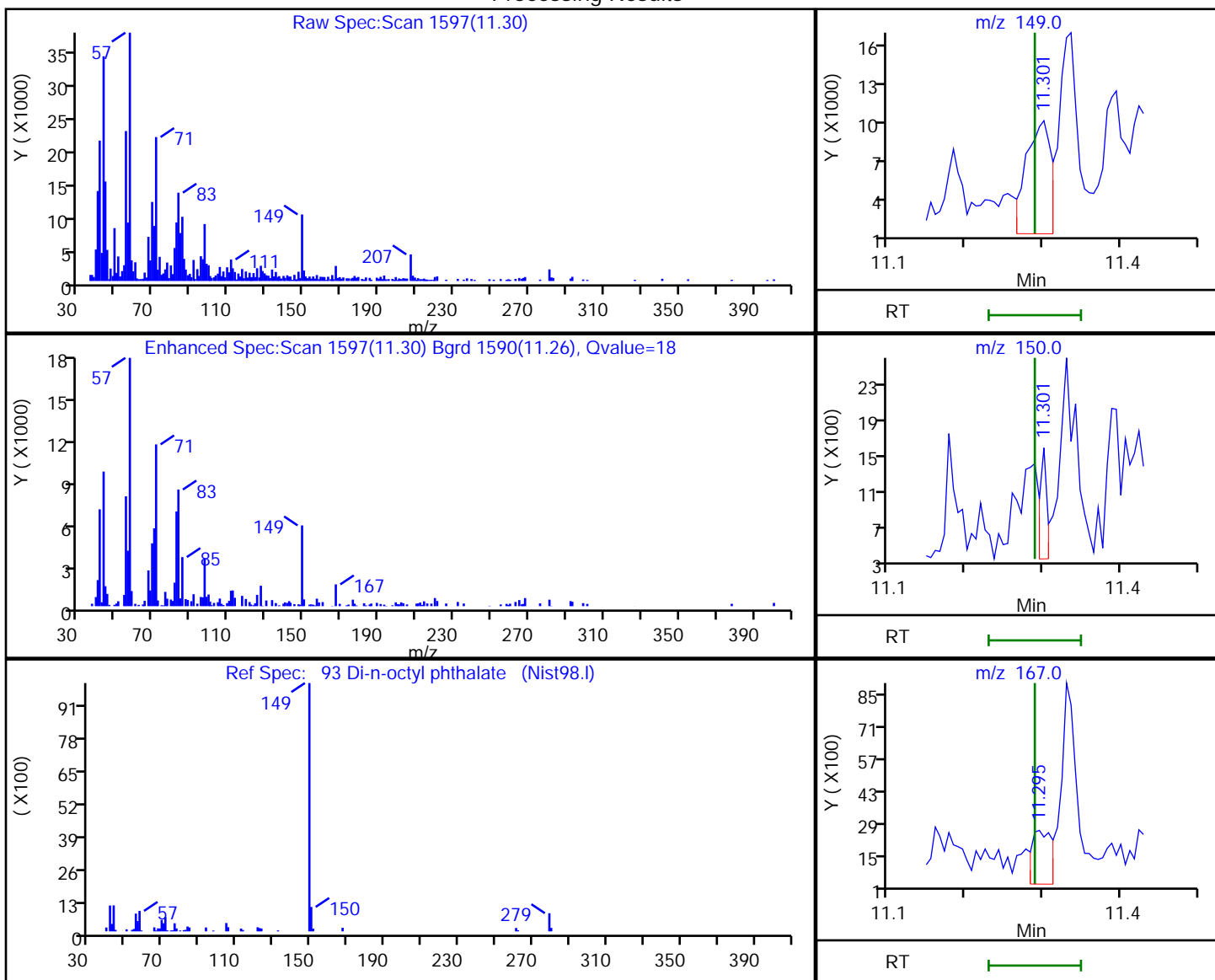
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

93 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.30	149.00	19759	46.009839
11.30	150.00	791	
11.29	167.00	4327	

Reviewer: thaneeratw, 24-Mar-2022 18:15:54

Audit Action: Marked Compound Undetected

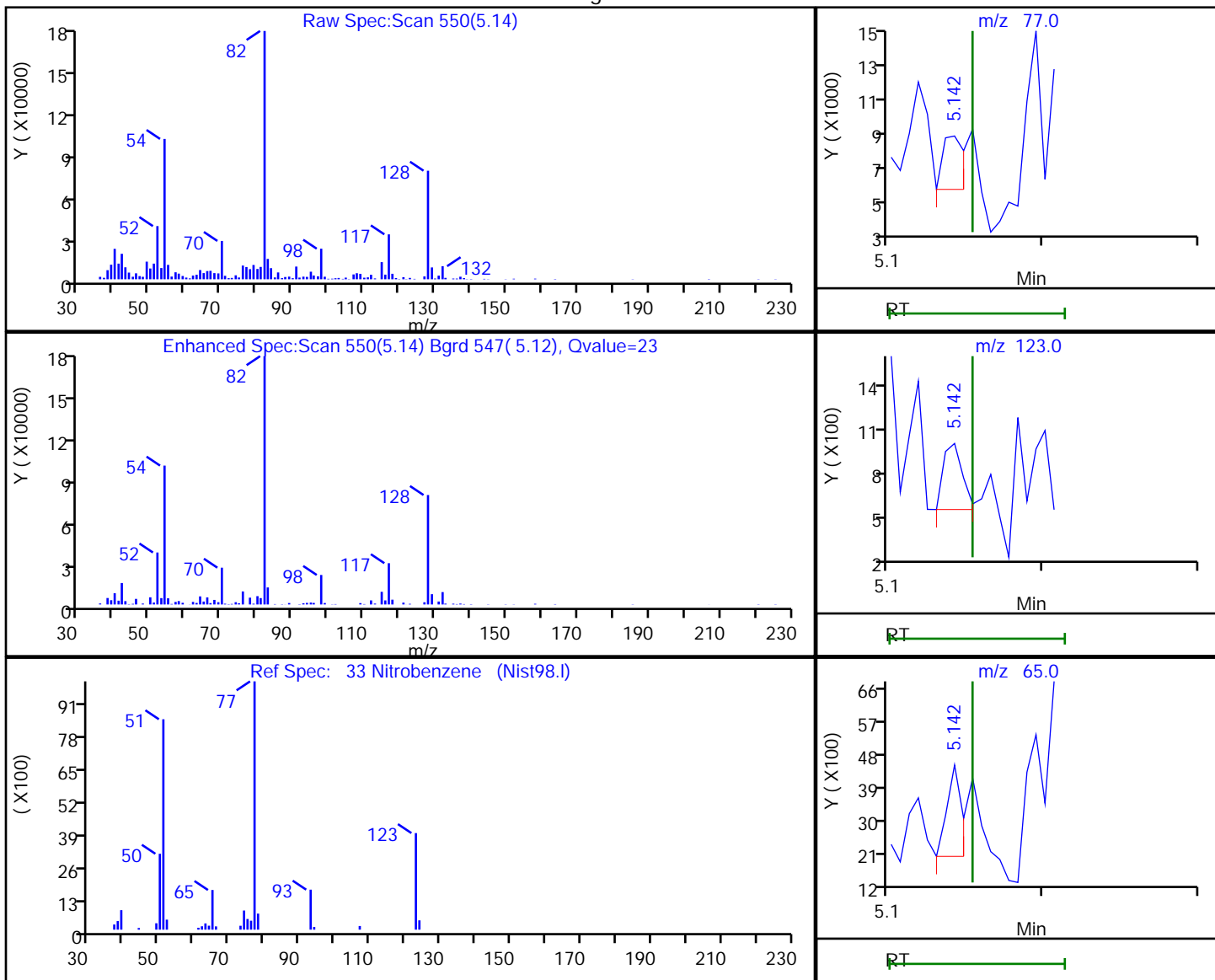
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

33 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
5.14	77.00	2574	8.954524
5.14	123.00	387	
5.14	65.00	1656	

Reviewer: thaneeratw, 24-Mar-2022 18:13:37

Audit Action: Marked Compound Undetected

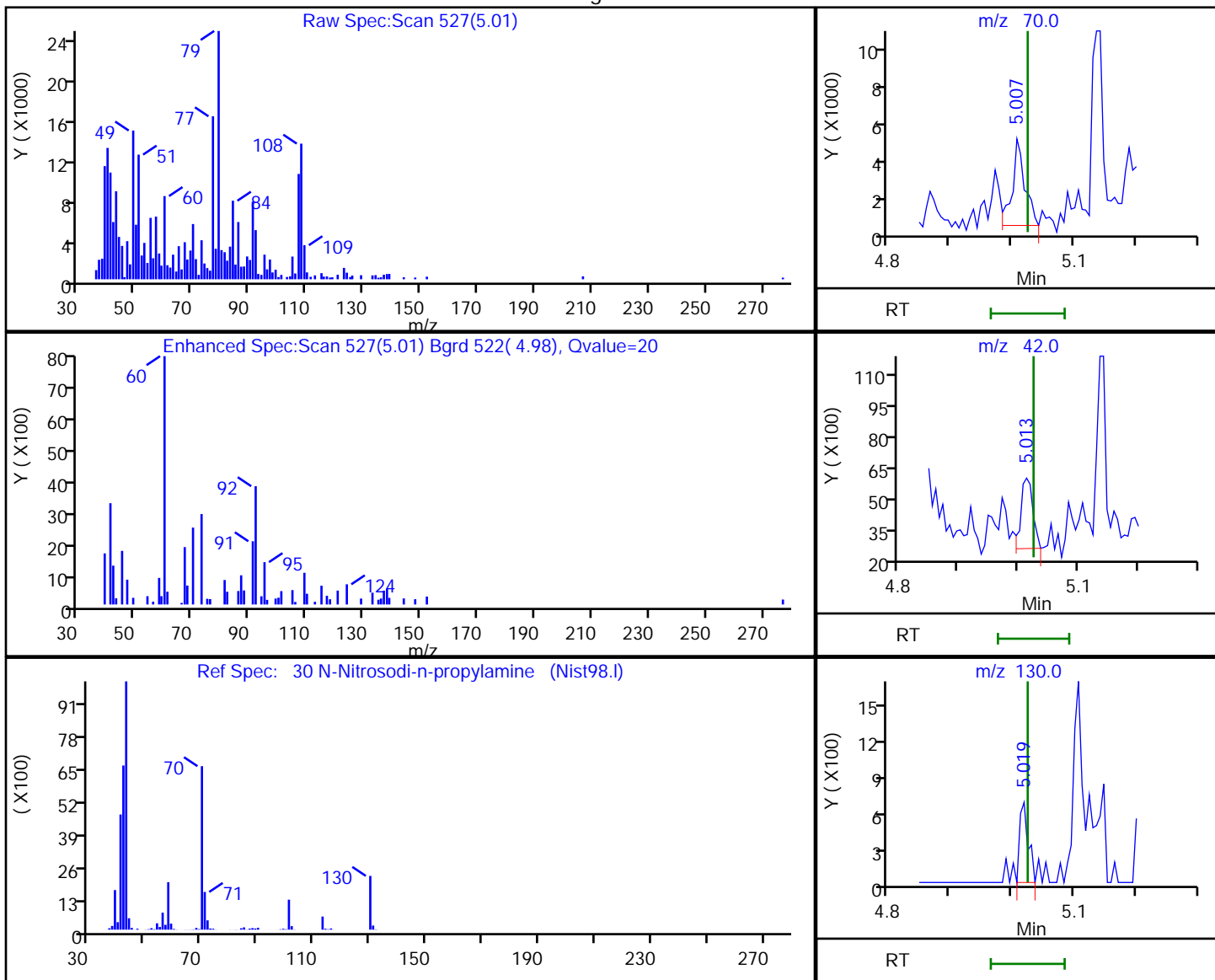
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

30 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Processing Results



RT	Mass	Response	Amount
5.01	70.00	6167	29.337427
5.01	42.00	4718	
5.02	130.00	646	

Reviewer: thaneeratw, 24-Mar-2022 18:13:34

Audit Action: Marked Compound Undetected

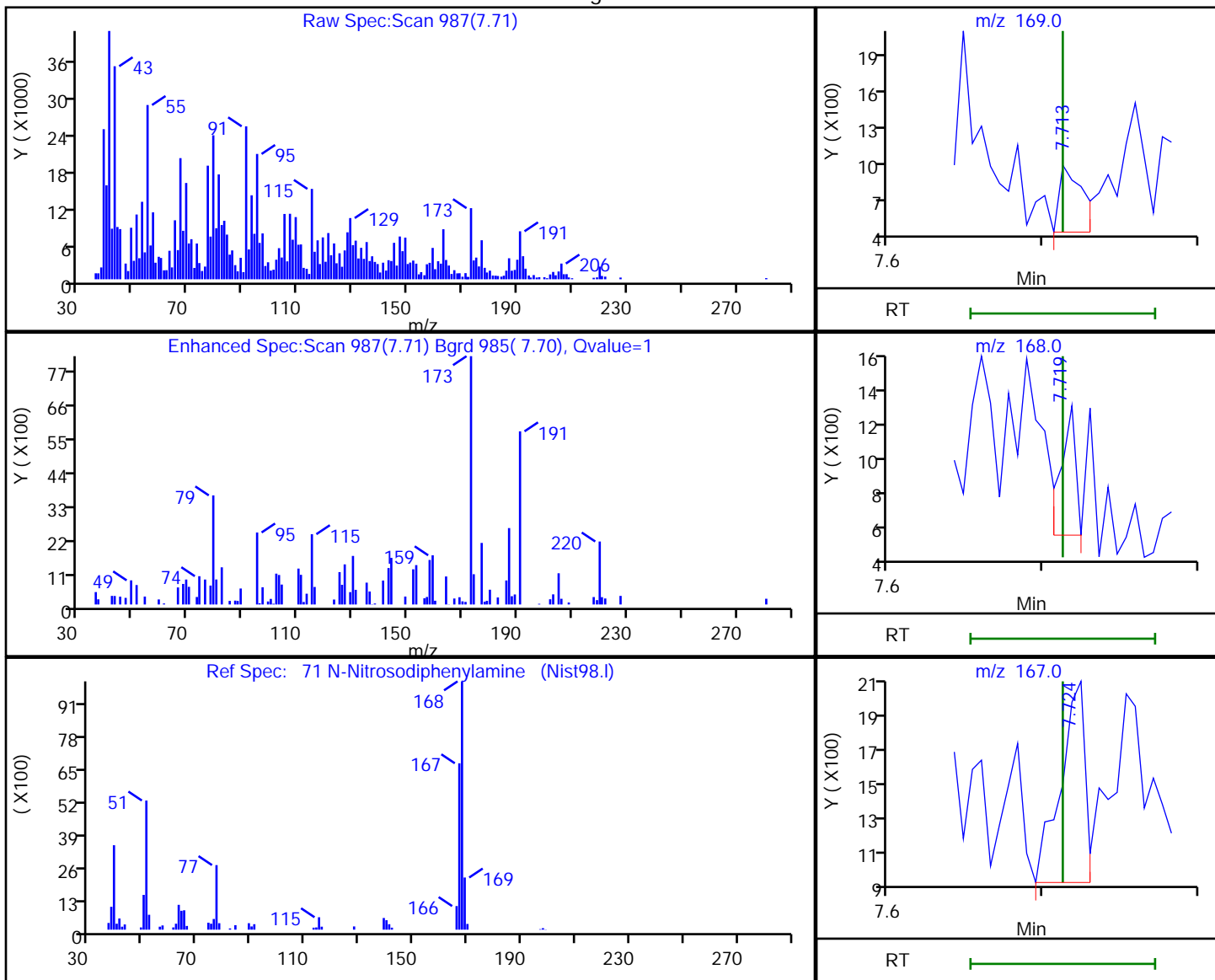
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

71 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
7.71	169.00	544	1.806958
7.72	168.00	478	
7.72	167.00	1163	

Reviewer: thaneeratw, 24-Mar-2022 18:14:57

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Seattle

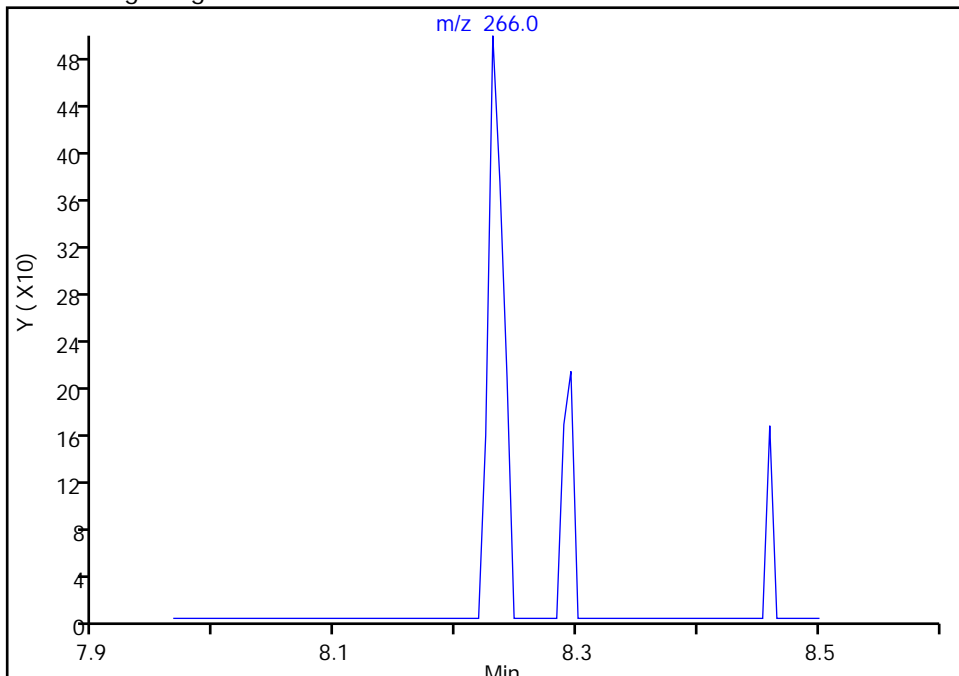
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
Client ID: ERH2814 (RHMW01R)
Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

77 Pentachlorophenol, CAS: 87-86-5

Signal: 1

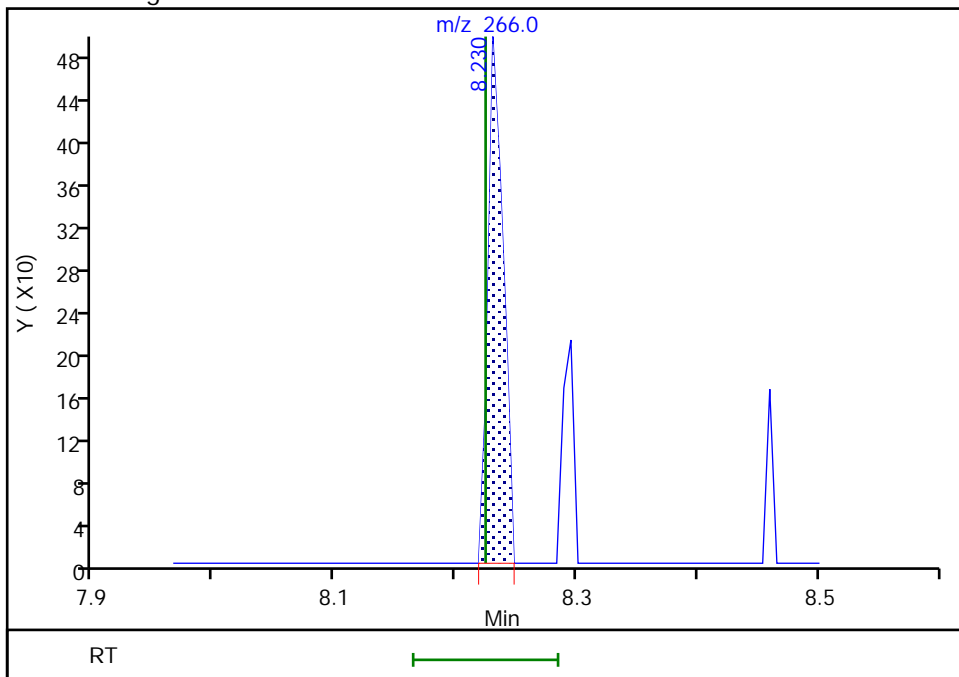
Not Detected
Expected RT: 8.22

Processing Integration Results



Manual Integration Results

RT: 8.23
Area: 431
Amount: 217.9778
Amount Units: ug/L



Reviewer: thaneeratw, 24-Mar-2022 18:15:22
Audit Action: Assigned Compound ID

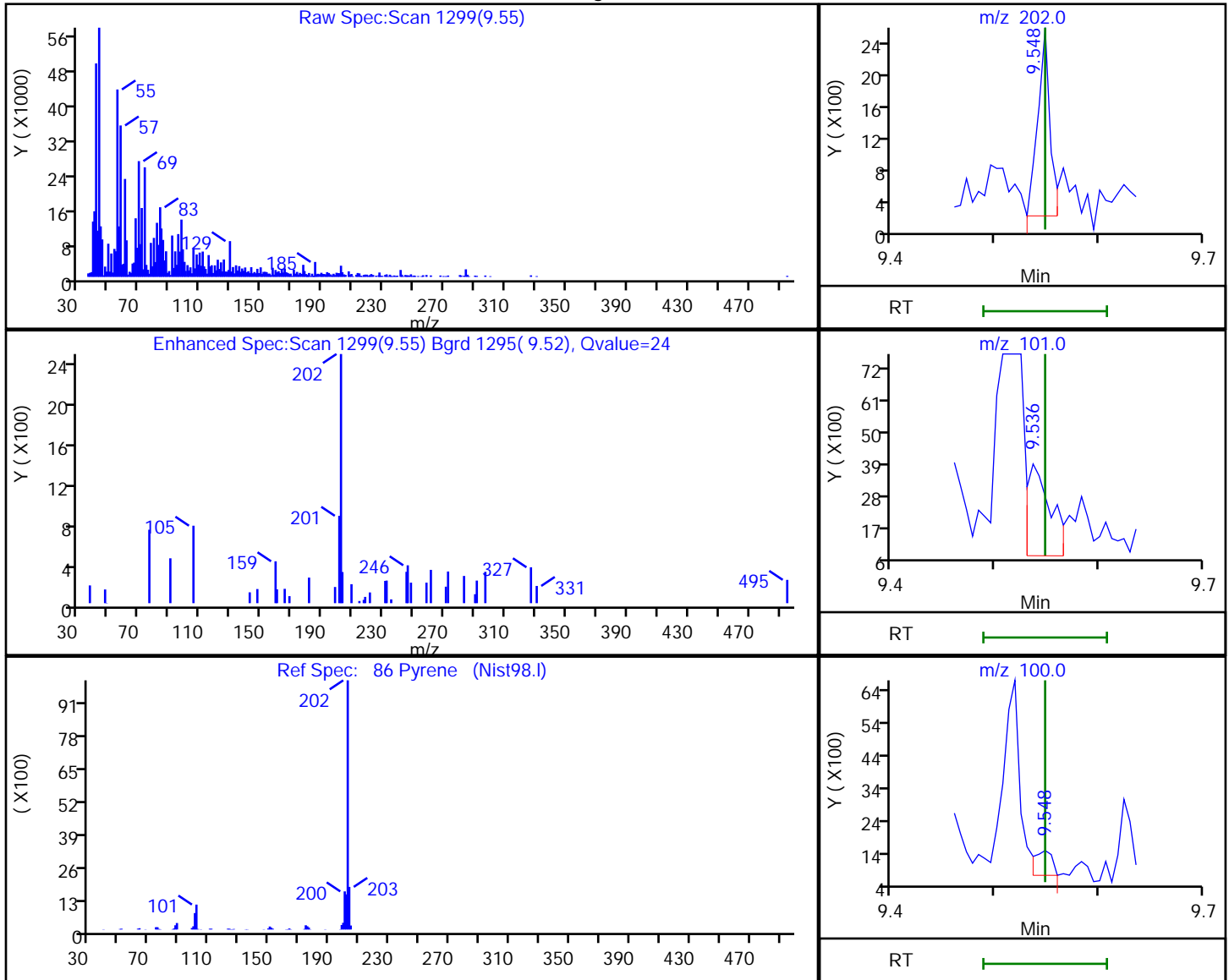
Audit Reason: Incomplete Integration

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a029.D
 Injection Date: 23-Mar-2022 22:45:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

86 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
9.55	202.00	1980	2.865626
9.54	101.00	5171	
9.55	100.00	927	

Reviewer: thaneeratw, 24-Mar-2022 18:15:42
 Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2815 (RHMW01R) Lab Sample ID: 580-111436-6
 Matrix: Water Lab File ID: 40Scan032322a030.D
 Analysis Method: 8270E Date Collected: 03/15/2022 10:20
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 1045.8 (mL) Date Analyzed: 03/23/2022 23:08
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384865 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.29	U	0.38	0.29	0.086
95-50-1	1,2-Dichlorobenzene	0.14	U	0.38	0.14	0.048
541-73-1	1,3-Dichlorobenzene	0.086	U Q	0.38	0.086	0.038
106-46-7	1,4-Dichlorobenzene	0.086	U	0.38	0.086	0.038
95-95-4	2,4,5-Trichlorophenol	0.29	U	0.38	0.29	0.096
88-06-2	2,4,6-Trichlorophenol	0.29	U	0.57	0.29	0.096
120-83-2	2,4-Dichlorophenol	0.48	U M	0.96	0.48	0.19
105-67-9	2,4-Dimethylphenol	0.48	U M	3.8	0.48	0.15
51-28-5	2,4-Dinitrophenol	3.1	U Q	4.8	3.1	1.5
121-14-2	2,4-Dinitrotoluene	0.29	U M	0.96	0.29	0.096
606-20-2	2,6-Dinitrotoluene	0.29	U M	0.38	0.29	0.096
91-58-7	2-Chloronaphthalene	0.14	U M	0.96	0.14	0.067
95-57-8	2-Chlorophenol	0.14	U	0.96	0.14	0.048
88-75-5	2-Nitrophenol	0.14	U M Q	0.96	0.14	0.067
91-94-1	3,3'-Dichlorobenzidine	0.57	U Q	0.96	0.57	0.25
534-52-1	4,6-Dinitro-2-methylphenol	1.1	U M Q	1.9	1.1	0.53
101-55-3	4-Bromophenyl phenyl ether	0.14	U	0.57	0.14	0.057
59-50-7	4-Chloro-3-methylphenol	0.29	U M	0.57	0.29	0.12
7005-72-3	4-Chlorophenyl phenyl ether	0.14	U M	0.57	0.14	0.048
100-02-7	4-Nitrophenol	5.7	U M Q	9.6	5.7	1.6
103-33-3	Azobenzene	0.14	U	1.9	0.14	0.057
108-60-1	bis (2-chloroisopropyl) ether	0.14	U	0.24	0.14	0.057
111-91-1	Bis(2-chloroethoxy)methane	0.14	U M	0.57	0.14	0.048
111-44-4	Bis(2-chloroethyl)ether	0.086	U M	0.096	0.086	0.029
117-81-7	Bis(2-ethylhexyl) phthalate	1.5	U Q	2.9	1.5	0.71
85-68-7	Butyl benzyl phthalate	0.57	U	3.8	0.57	0.26
84-66-2	Diethyl phthalate	0.29	U M	0.96	0.29	0.14
131-11-3	Dimethyl phthalate	0.14	U M	0.57	0.14	0.057
84-74-2	Di-n-butyl phthalate	0.48	U	2.9	0.48	0.18
117-84-0	Di-n-octyl phthalate	0.29	U M	0.96	0.29	0.12
118-74-1	Hexachlorobenzene	0.086	U	0.57	0.086	0.038
87-68-3	Hexachlorobutadiene	0.14	U Q	0.96	0.14	0.057
77-47-4	Hexachlorocyclopentadiene	0.29	U Q	0.96	0.29	0.13
67-72-1	Hexachloroethane	0.14	U Q	0.96	0.14	0.048

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2815 (RHMW01R) Lab Sample ID: 580-111436-6
 Matrix: Water Lab File ID: 40Scan032322a030.D
 Analysis Method: 8270E Date Collected: 03/15/2022 10:20
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 1045.8 (mL) Date Analyzed: 03/23/2022 23:08
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384865 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.29	U M	0.38	0.29	0.096
15831-10-4	m+p-Cresol	0.29	U	0.57	0.29	0.096
98-95-3	Nitrobenzene	0.086	U M	0.96	0.086	0.038
62-75-9	N-Nitrosodimethylamine	0.57	U	1.9	0.57	0.25
621-64-7	N-Nitrosodi-n-propylamine	0.086	U M	0.38	0.086	0.057
86-30-6	N-Nitrosodiphenylamine	0.14	U	0.96	0.14	0.067
95-48-7	o-Cresol	0.14	U	0.57	0.14	0.048
87-86-5	Pentachlorophenol	0.96	U Q	9.6	0.96	0.49
108-95-2	Phenol	0.57	U	0.96	0.57	0.34
129-00-0	Pyrene	0.086	U	0.96	0.086	0.038
110-86-1	Pyridine	3.1	U Q	9.6	3.1	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	86		43-140
321-60-8	2-Fluorobiphenyl	77		44-119
367-12-4	2-Fluorophenol (Surr)	59		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	79		44-120
4165-62-2	Phenol-d5 (Surr)	43		10-120
1718-51-0	Terphenyl-d14	95		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Lims ID: 580-111436-B-6-A
 Client ID: ERH2815 (RHMW01R)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 23:08:30 ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-6-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 18:21:56 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw

Date: 24-Mar-2022 18:21:56

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	93	16640	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	93	69935	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	78	31687	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	92	60231	100.0	
* 5 Chrysene-d12	240	10.571	10.571	0.000	95	53580	100.0	
* 6 Perylene-d12	264	12.083	12.083	0.000	95	66094	100.0	
\$ 7 2-Fluorophenol	112	3.659	3.718	0.005	90	129958	588.7	
\$ 8 Phenol-d5	99	4.448	4.466	0.006	0	114044	427.9	
\$ 9 Nitrobenzene-d5	82	5.136	5.148	-0.006	92	225063	793.2	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	94	323696	768.4	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	52	90486	859.3	
\$ 12 Terphenyl-d14	244	9.689	9.689	0.000	96	451345	946.4	
26 Cyclohexanone	55	4.542	4.589	0.000	20	2696	NC	
21 n-Decane	57	4.572	4.572	0.000	55	28585	87.5	
27 Benzyl alcohol	79	4.825	4.825	0.012	84	641534	3593.6	M
41 Naphthalene	128	5.742	5.742	0.006	56	53123	74.7	
60 Acenaphthene	153	7.177	7.183	-0.006	75	7547	19.3	
61 Dibenzofuran	168	7.324	7.324	0.000	83	14994	30.1	
82 2,3-Dichlorobenzeneamine	161	8.483	8.477	0.006	1	773	NC	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	37	62860	76.7	
86 Pyrene	202	9.548	9.548	0.000	26	3713	5.11	
88 Nonylphenol	135	9.765	9.736	0.029	0	809	NC	
87 Butyl benzyl phthalate	149	10.107	10.107	0.000	84	9713	30.1	
92 Bis(2-ethylhexyl) phthalate	149	10.624	10.630	-0.006	95	153862	344.3	
121 DFTPP								
124 4,4'-DDD	235	9.942	9.924	0.018	1	143	NR	
125 4,4'-DDT	235	10.183	10.177	0.006	1	83	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

MeCl2_CT_00216

Amount Added: 1.00

Units: mL

Run Reagent

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D

Injection Date: 23-Mar-2022 23:08:30

Instrument ID: TAC040

Lims ID: 580-111436-B-6-A

Lab Sample ID: 580-111436-6

Client ID: ERH2815 (RHMW01R)

Operator ID: jcm

ALS Bottle#: 26

Worklist Smp#: 26

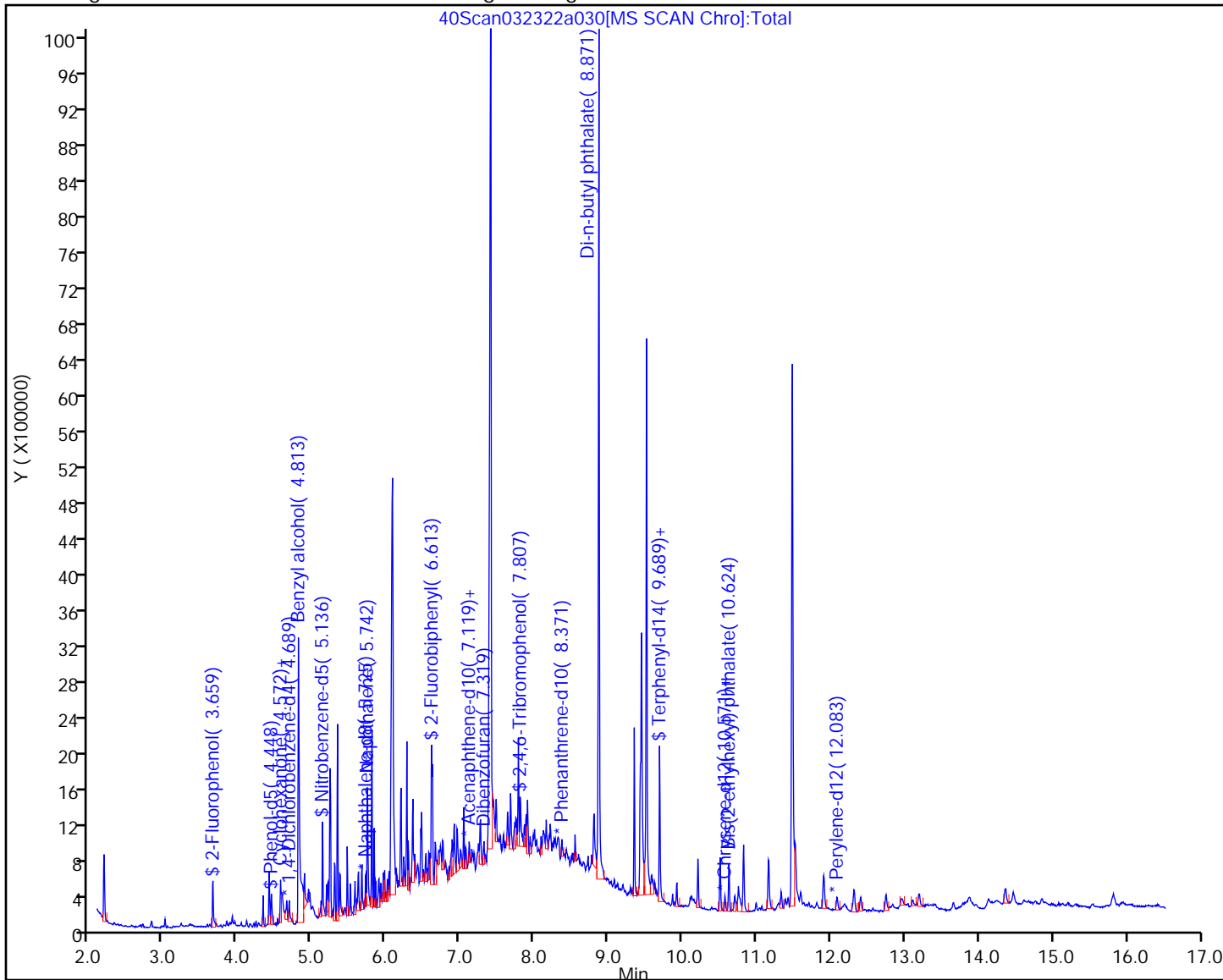
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Lims ID: 580-111436-B-6-A
 Client ID: ERH2815 (RHMW01R)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 23:08:30 ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-6-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 18:21:56 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw

Date: 24-Mar-2022 18:21:56

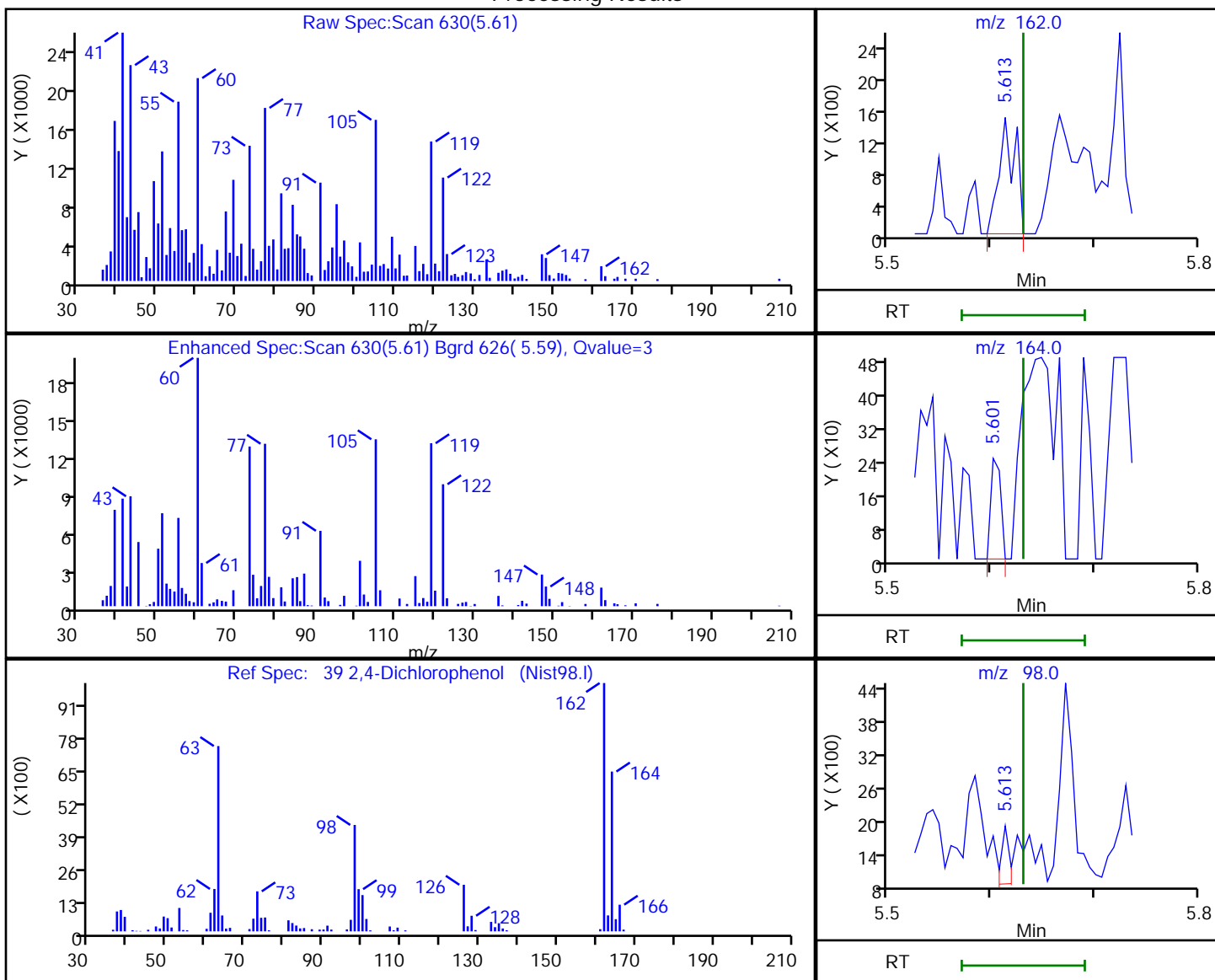
Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-Fluorophenol	1000.0	588.7	58.87
\$ 8 Phenol-d5	1000.0	427.9	42.79
\$ 9 Nitrobenzene-d5	1000.0	793.2	79.32
\$ 10 2-Fluorobiphenyl	1000.0	768.4	76.84
\$ 11 2,4,6-Tribromophenol	1000.0	859.3	85.93
\$ 12 Terphenyl-d14	1000.0	946.4	94.64

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

39 2,4-Dichlorophenol, CAS: 120-83-2

Processing Results



RT	Mass	Response	Amount
5.61	162.00	1636	9.565367
5.60	164.00	161	
5.61	98.00	551	

Reviewer: thaneeratw, 24-Mar-2022 18:19:17

Audit Action: Marked Compound Undetected

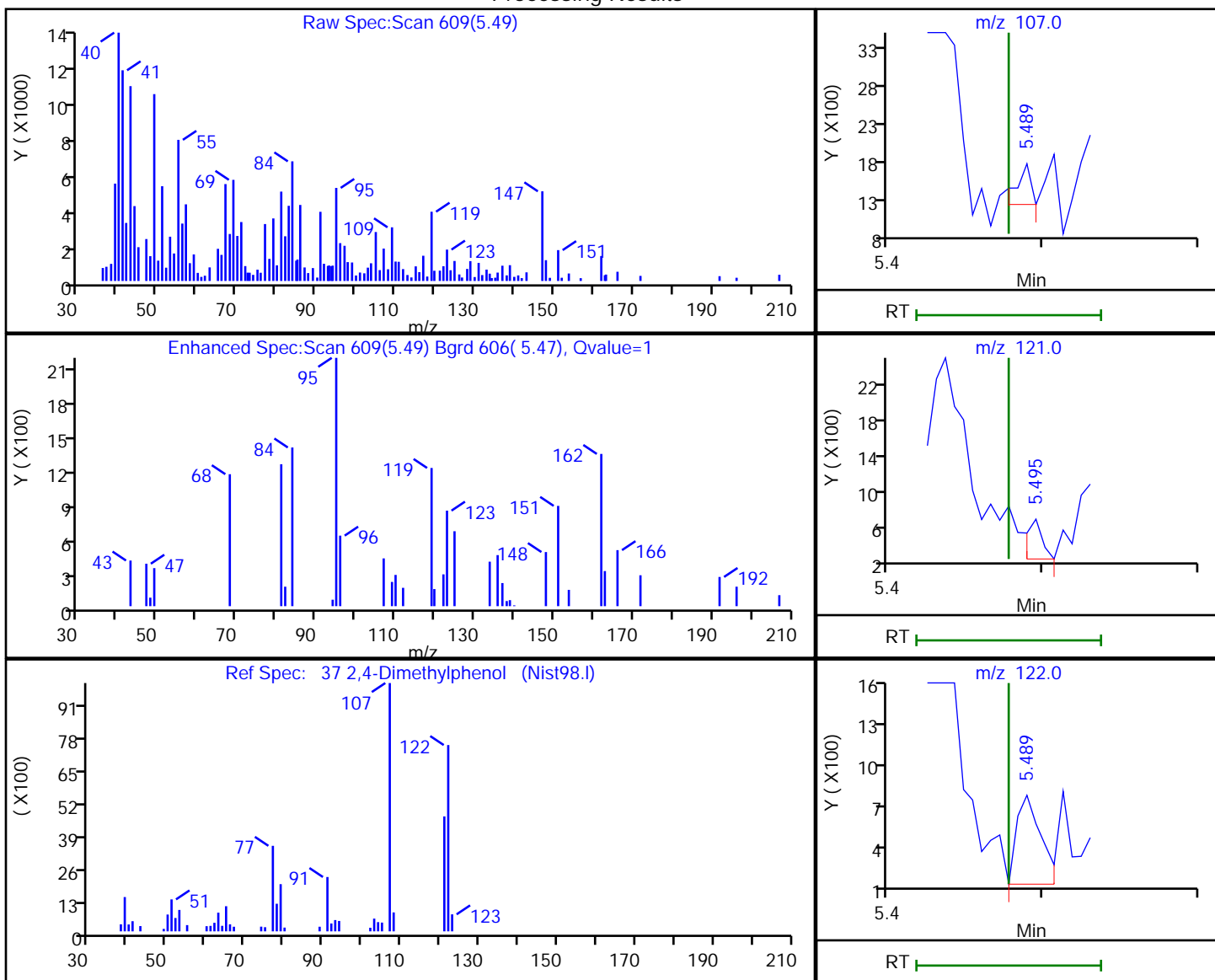
Audit Reason: Invalid Compound ID

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

37 2,4-Dimethylphenol, CAS: 105-67-9

Processing Results



RT	Mass	Response	Amount
5.49	107.00	346	1.445423
5.50	121.00	295	
5.49	122.00	690	

Reviewer: thaneeratw, 24-Mar-2022 18:18:38

Audit Action: Marked Compound Undetected

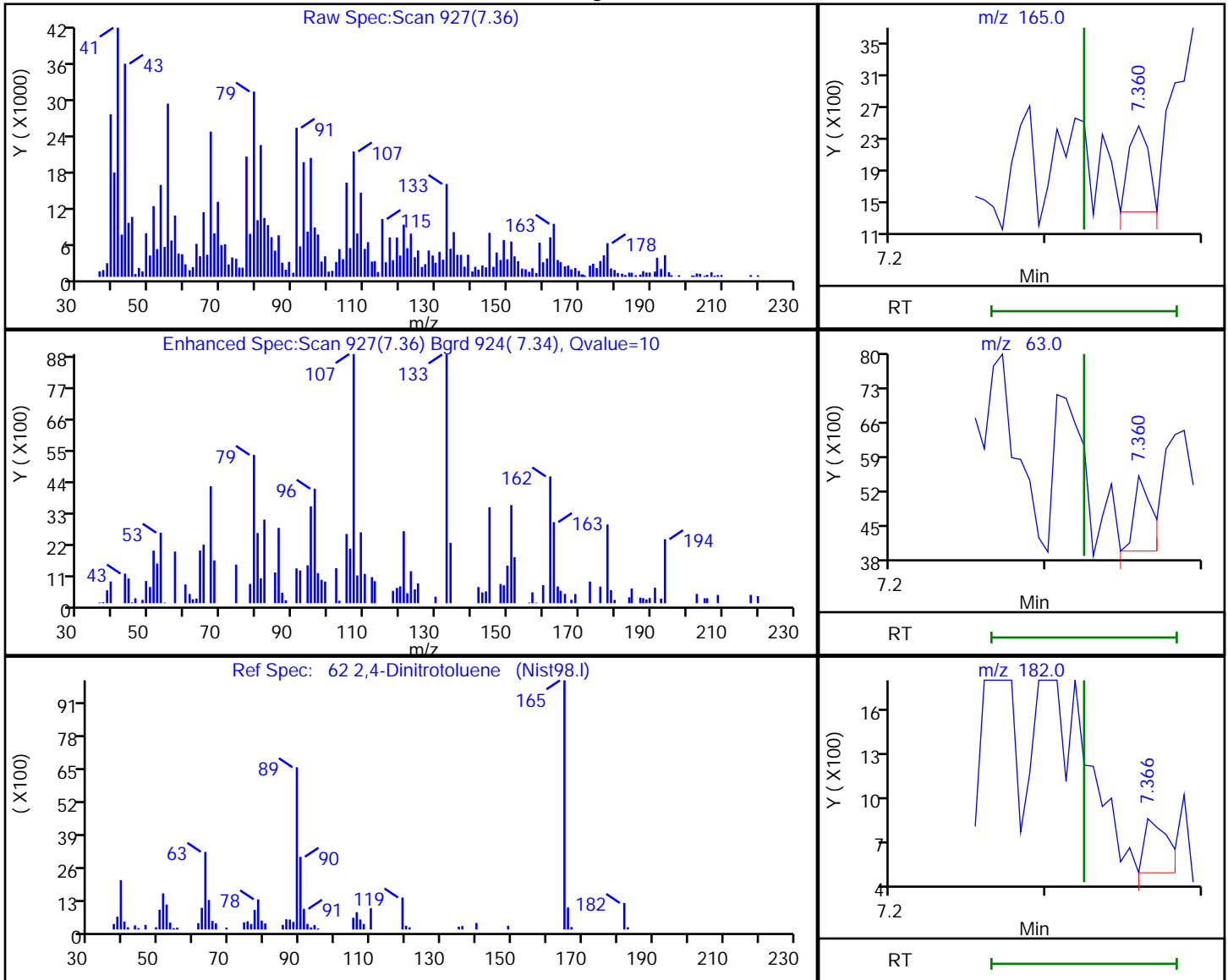
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

62 2,4-Dinitrotoluene, CAS: 121-14-2

Processing Results



RT	Mass	Response	Amount
7.36	165.00	954	41.104215
7.36	63.00	1175	
7.37	182.00	364	

Reviewer: thaneeratw, 24-Mar-2022 18:20:12
 Audit Action: Marked Compound Undetected

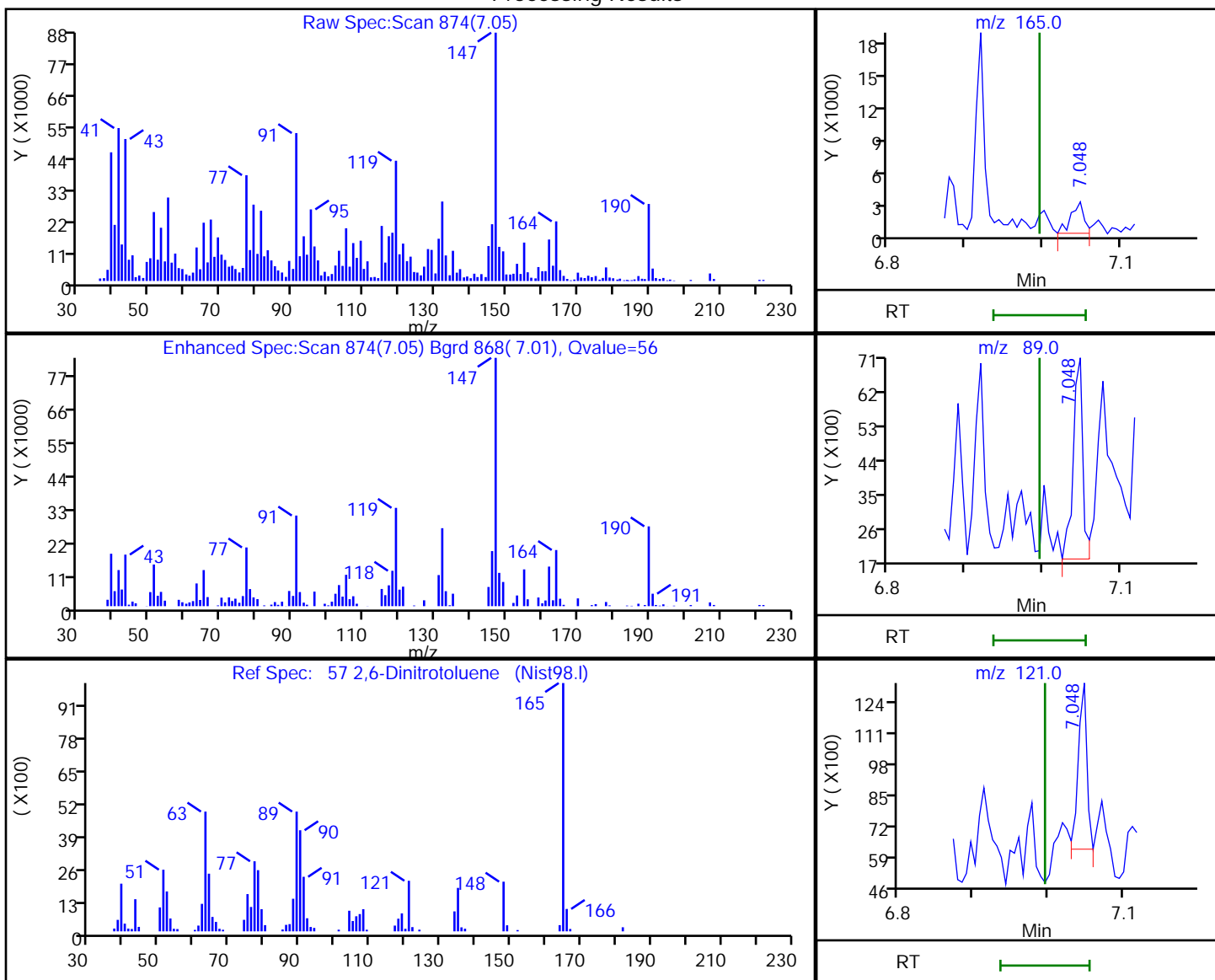
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

57 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
7.05	165.00	3311	51.491828
7.05	89.00	4565	
7.05	121.00	5592	

Reviewer: thaneeratw, 24-Mar-2022 18:19:56

Audit Action: Marked Compound Undetected

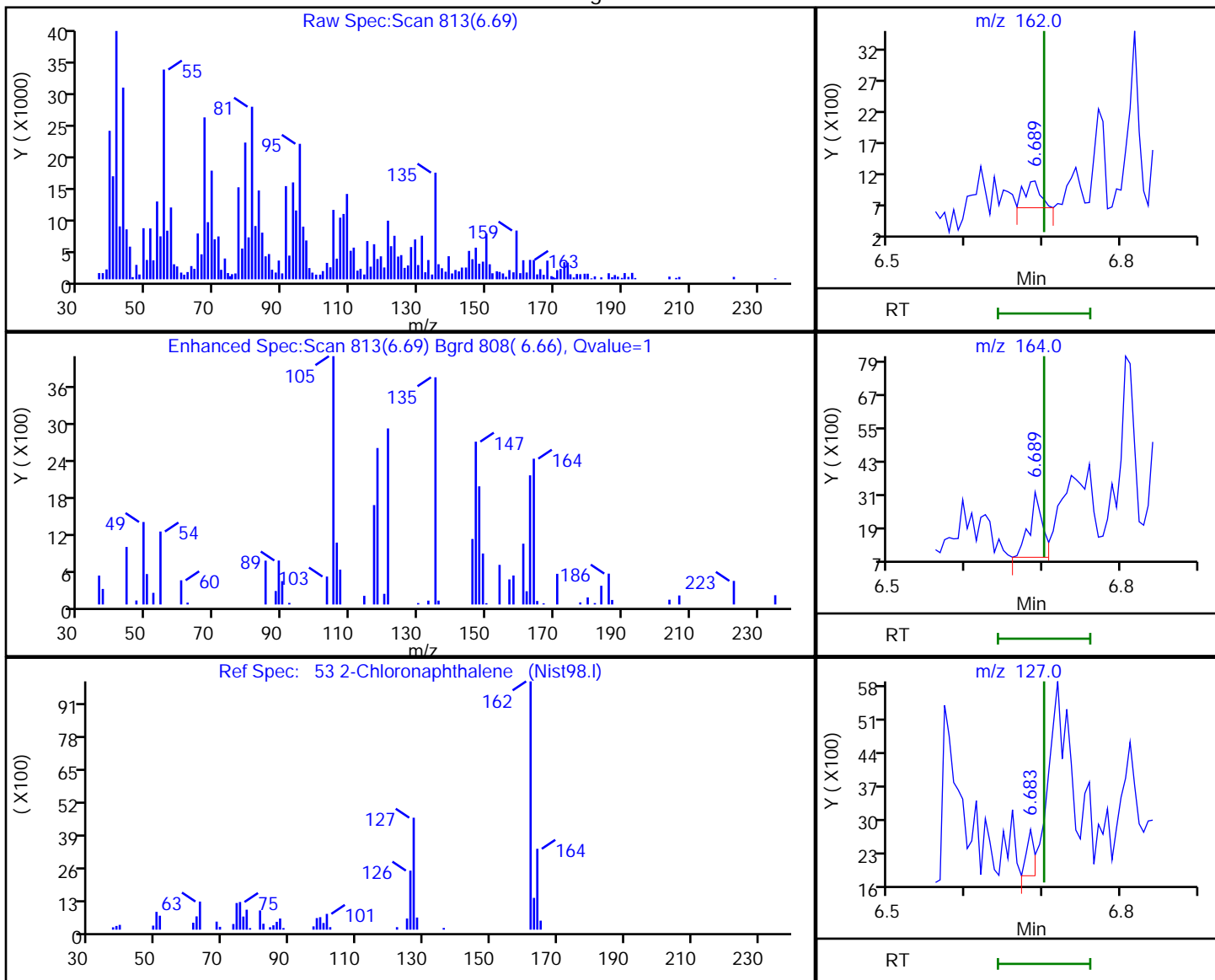
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

53 2-Chloronaphthalene, CAS: 91-58-7

Processing Results



RT	Mass	Response	Amount
6.69	162.00	614	1.659767
6.69	164.00	2797	
6.68	127.00	661	

Reviewer: thaneeratw, 24-Mar-2022 18:19:40
 Audit Action: Marked Compound Undetected

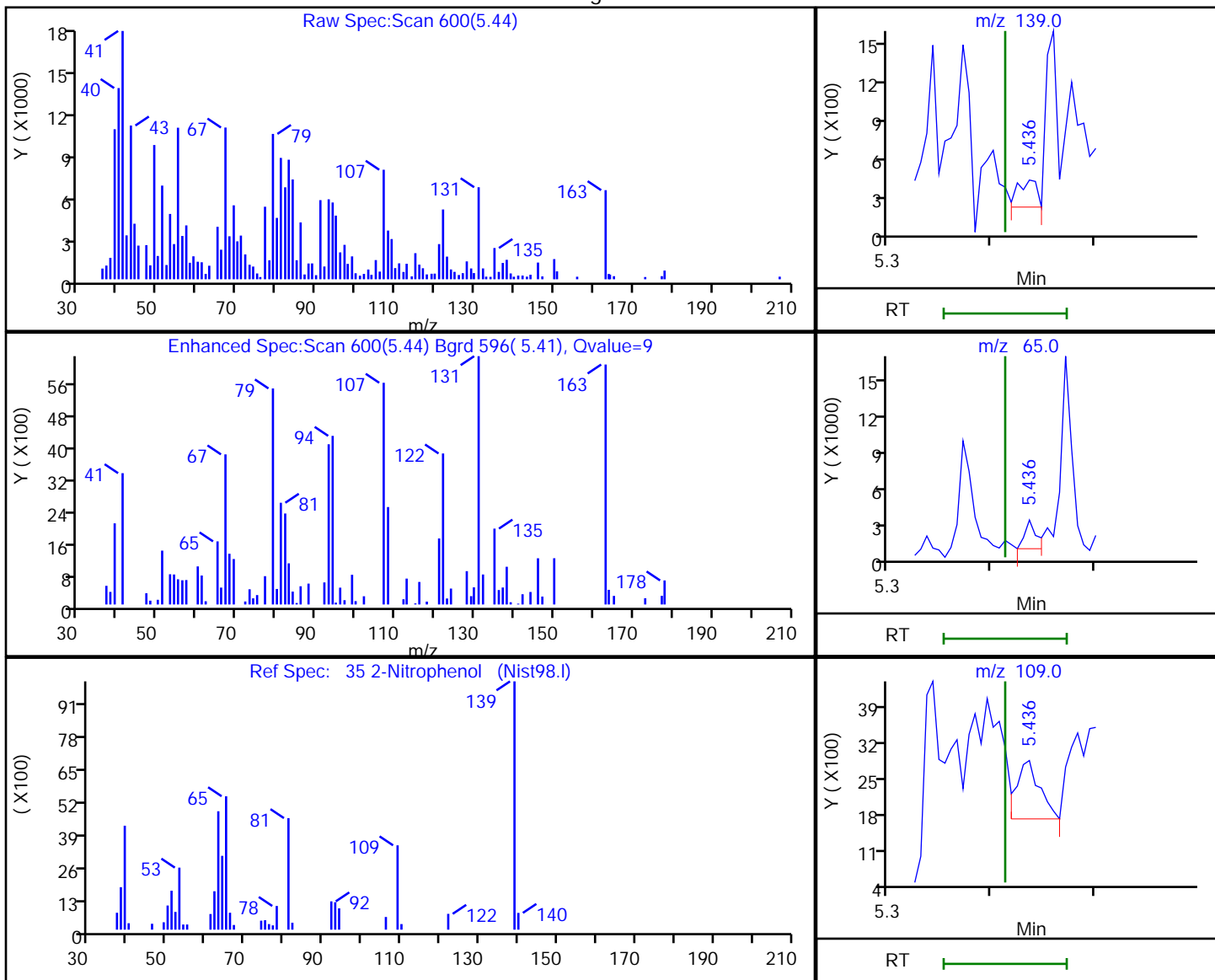
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

35 2-Nitrophenol, CAS: 88-75-5

Processing Results



RT	Mass	Response	Amount
5.44	139.00	272	2.644078
5.44	65.00	1750	
5.44	109.00	1762	

Reviewer: thaneeratw, 24-Mar-2022 18:18:37

Audit Action: Marked Compound Undetected

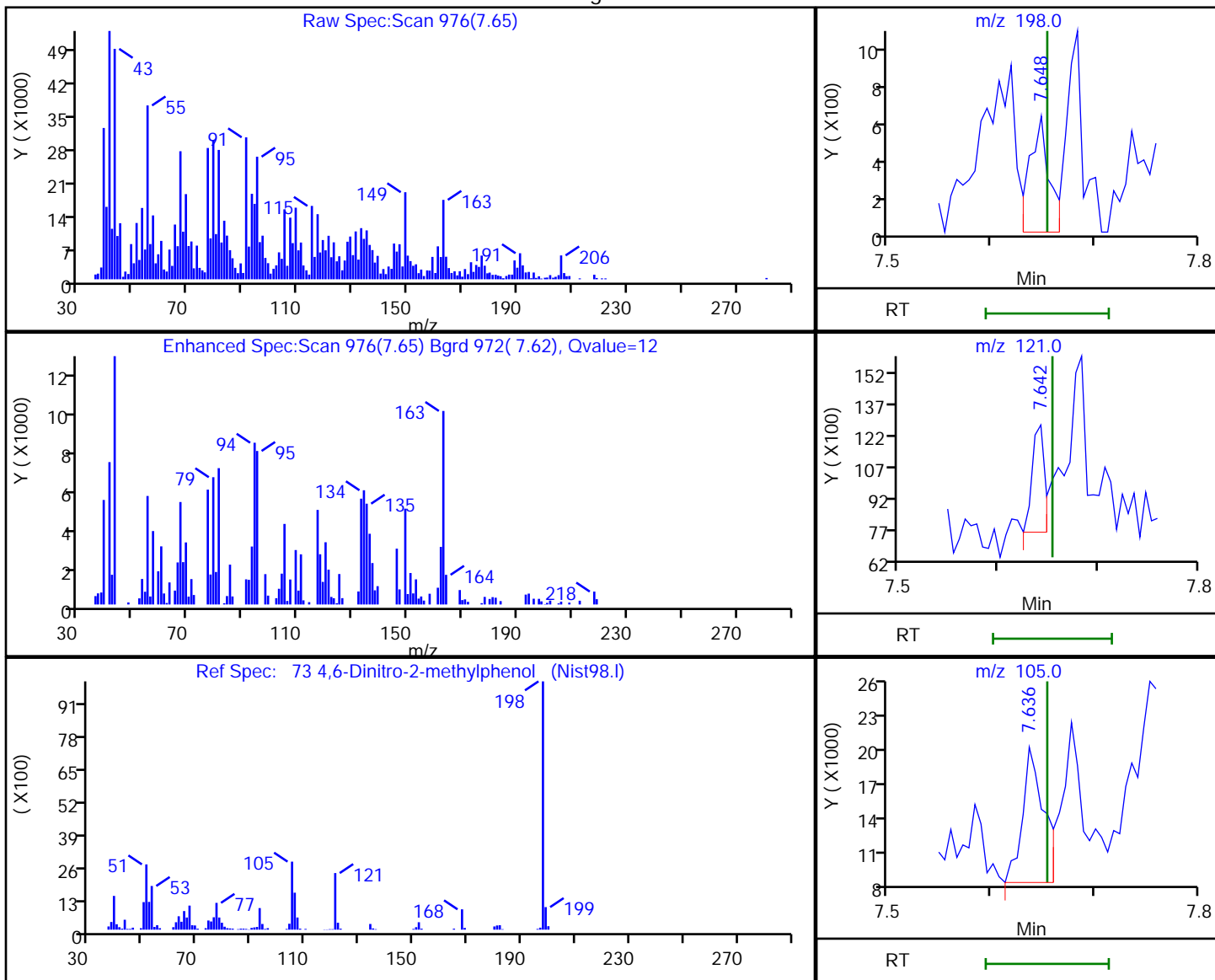
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

73 4,6-Dinitro-2-methylphenol, CAS: 534-52-1

Processing Results



RT	Mass	Response	Amount
7.65	198.00	838	240.1080
7.64	121.00	4559	
7.64	105.00	16302	

Reviewer: thaneeratw, 24-Mar-2022 18:20:31

Audit Action: Marked Compound Undetected

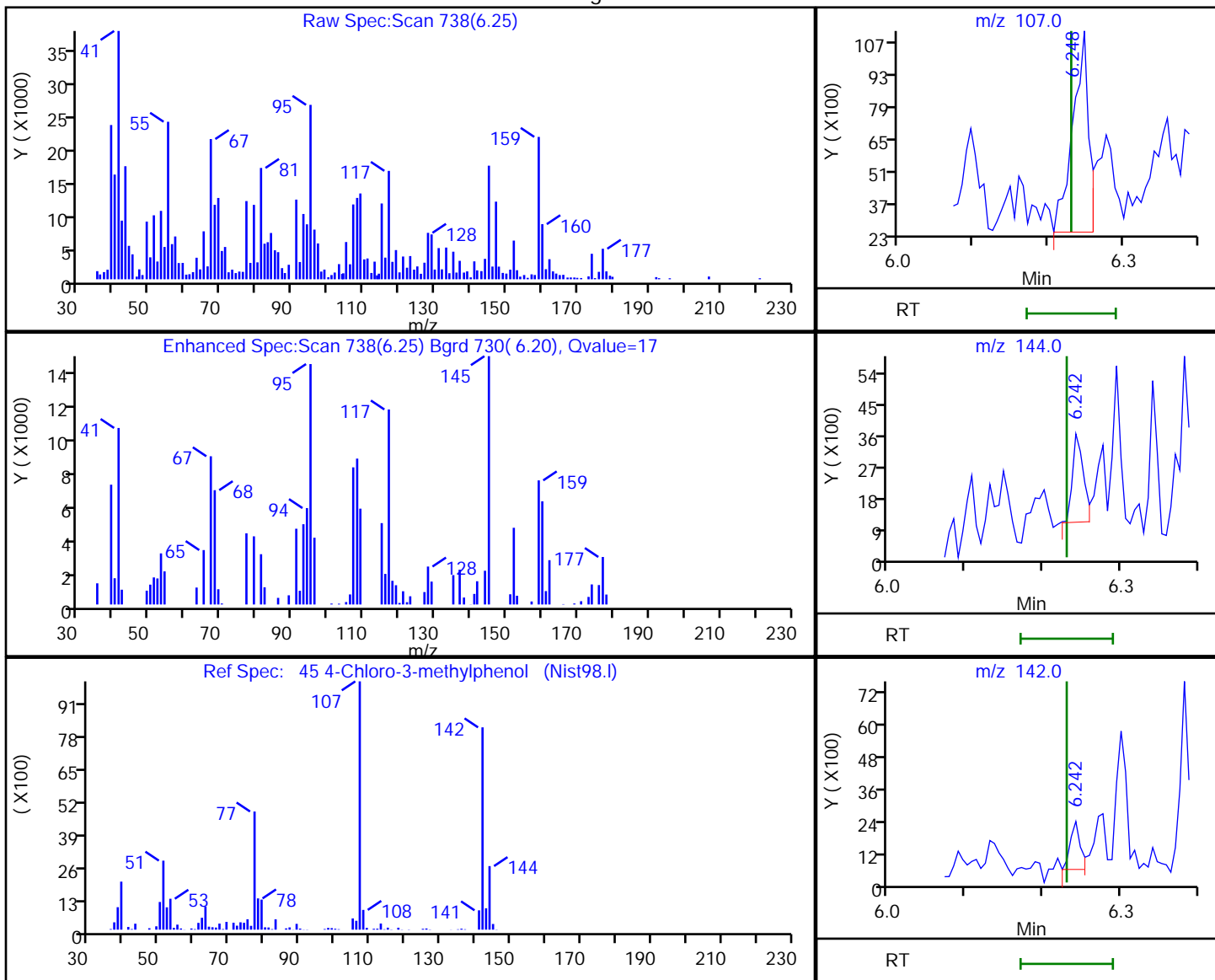
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

45 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
6.25	107.00	13222	99.562066
6.24	144.00	2554	
6.24	142.00	1645	

Reviewer: thaneeratw, 24-Mar-2022 18:19:27

Audit Action: Marked Compound Undetected

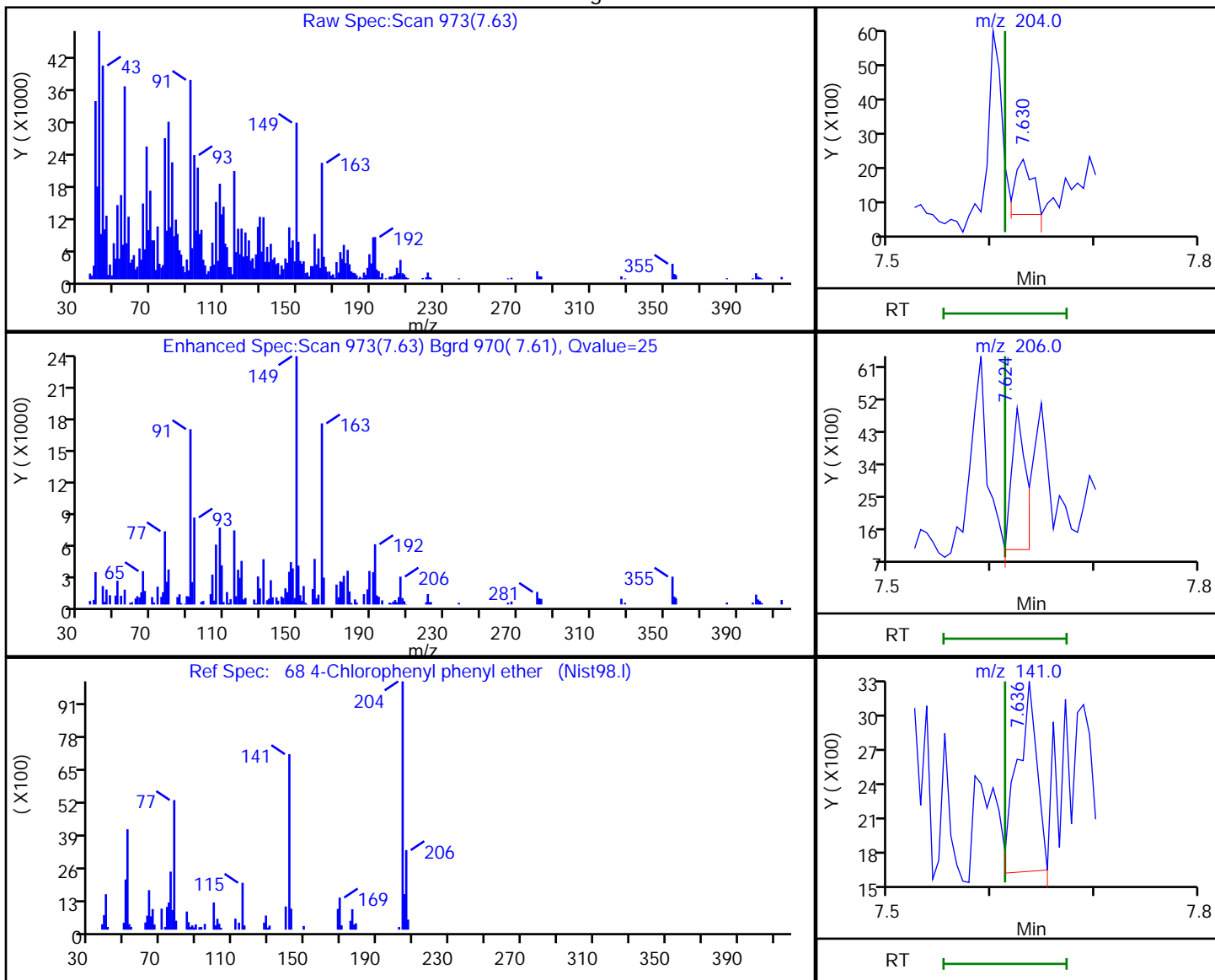
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

68 4-Chlorophenyl phenyl ether, CAS: 7005-72-3

Processing Results



RT	Mass	Response	Amount
7.63	204.00	1929	10.833248
7.62	206.00	3662	
7.64	141.00	2065	

Reviewer: thaneeratw, 24-Mar-2022 18:20:26

Audit Action: Marked Compound Undetected

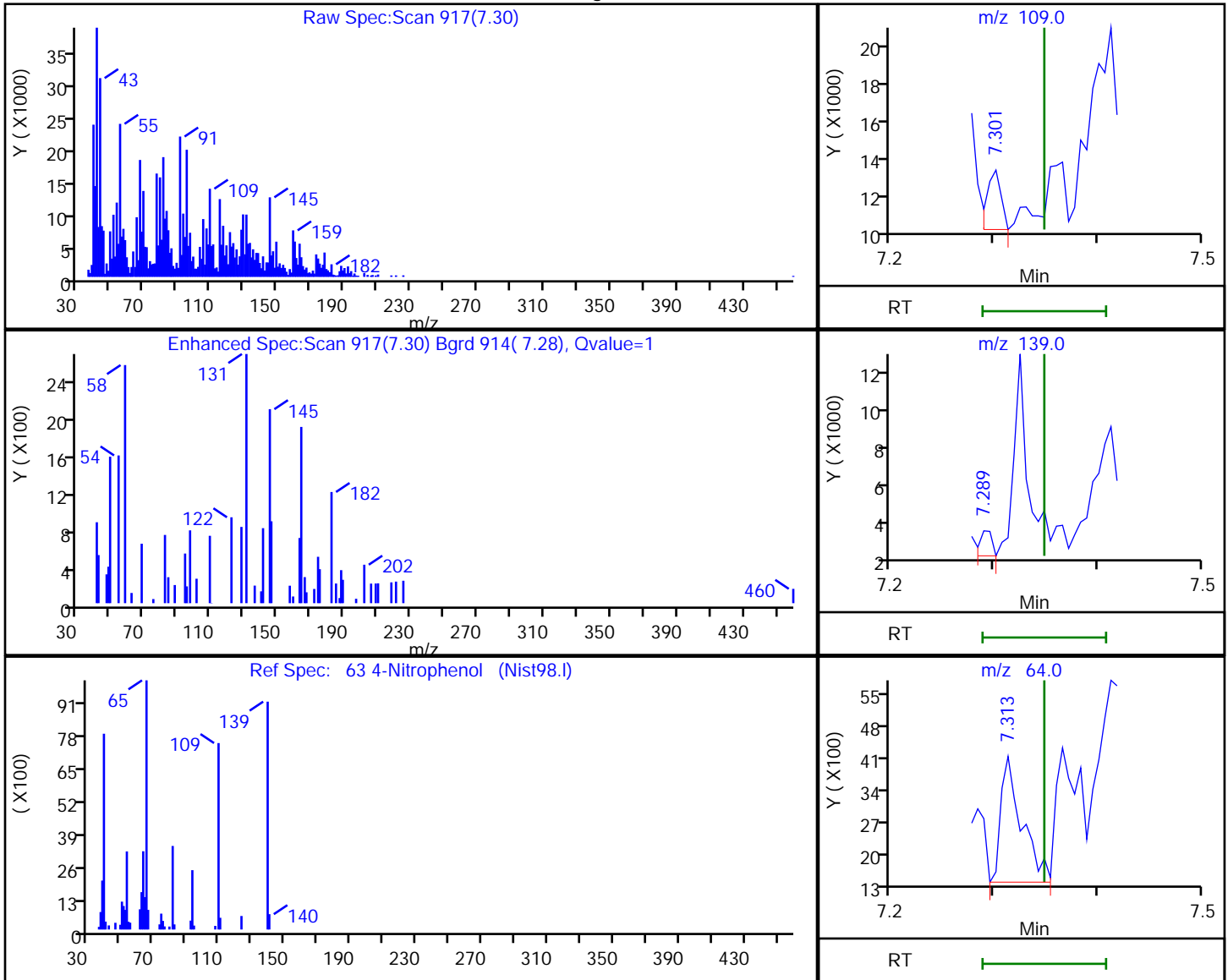
Audit Reason: Invalid Compound ID

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

63 4-Nitrophenol, CAS: 100-02-7

Processing Results



RT	Mass	Response	Amount
7.30	109.00	2797	419.6991
7.29	139.00	1041	
7.31	64.00	3890	

Reviewer: thaneeratw, 24-Mar-2022 18:20:14
 Audit Action: Marked Compound Undetected

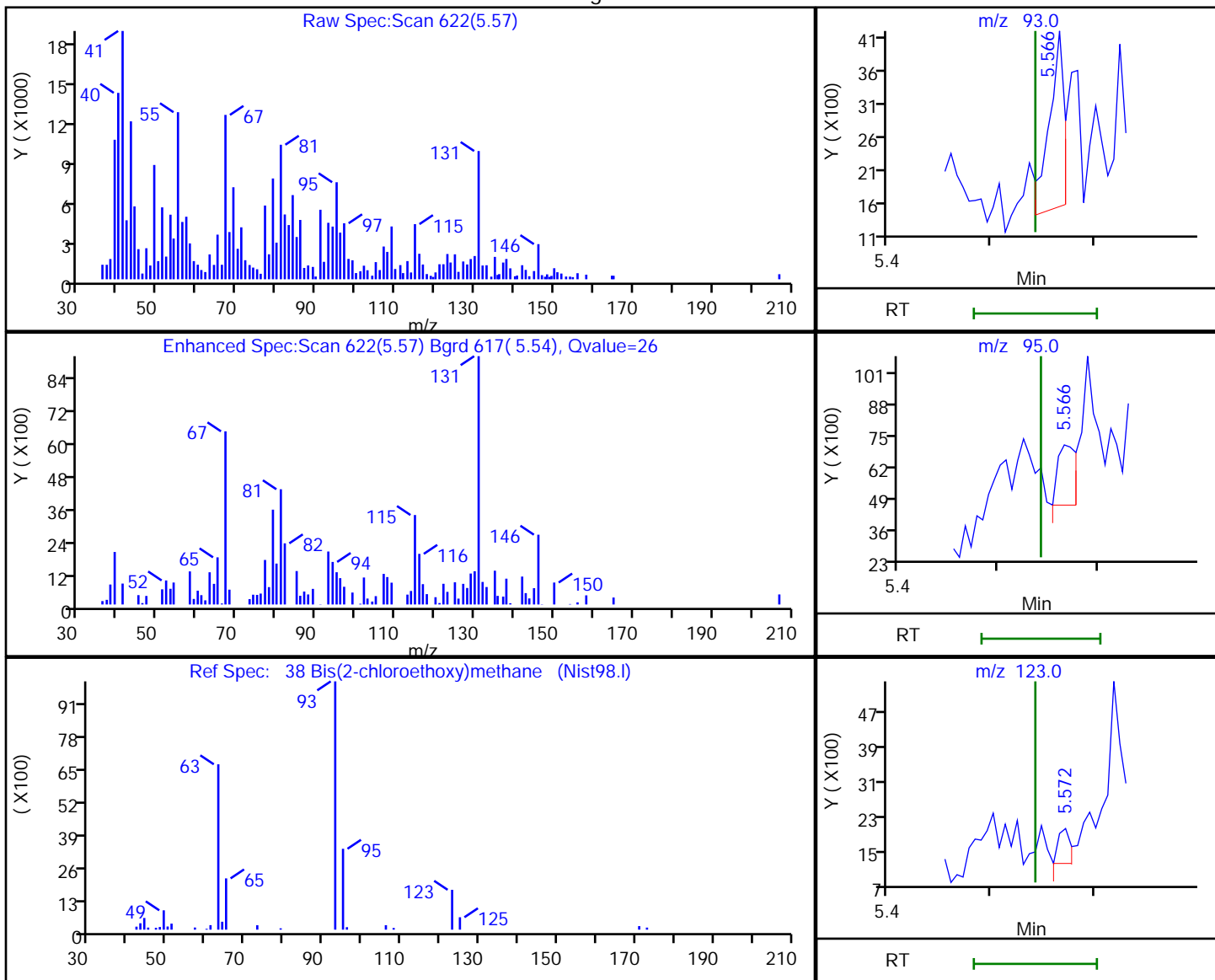
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

38 Bis(2-chloroethoxy)methane, CAS: 111-91-1

Processing Results



RT	Mass	Response	Amount
5.57	93.00	2702	10.054196
5.57	95.00	3238	
5.57	123.00	660	

Reviewer: thaneeratw, 24-Mar-2022 18:18:42

Audit Action: Marked Compound Undetected

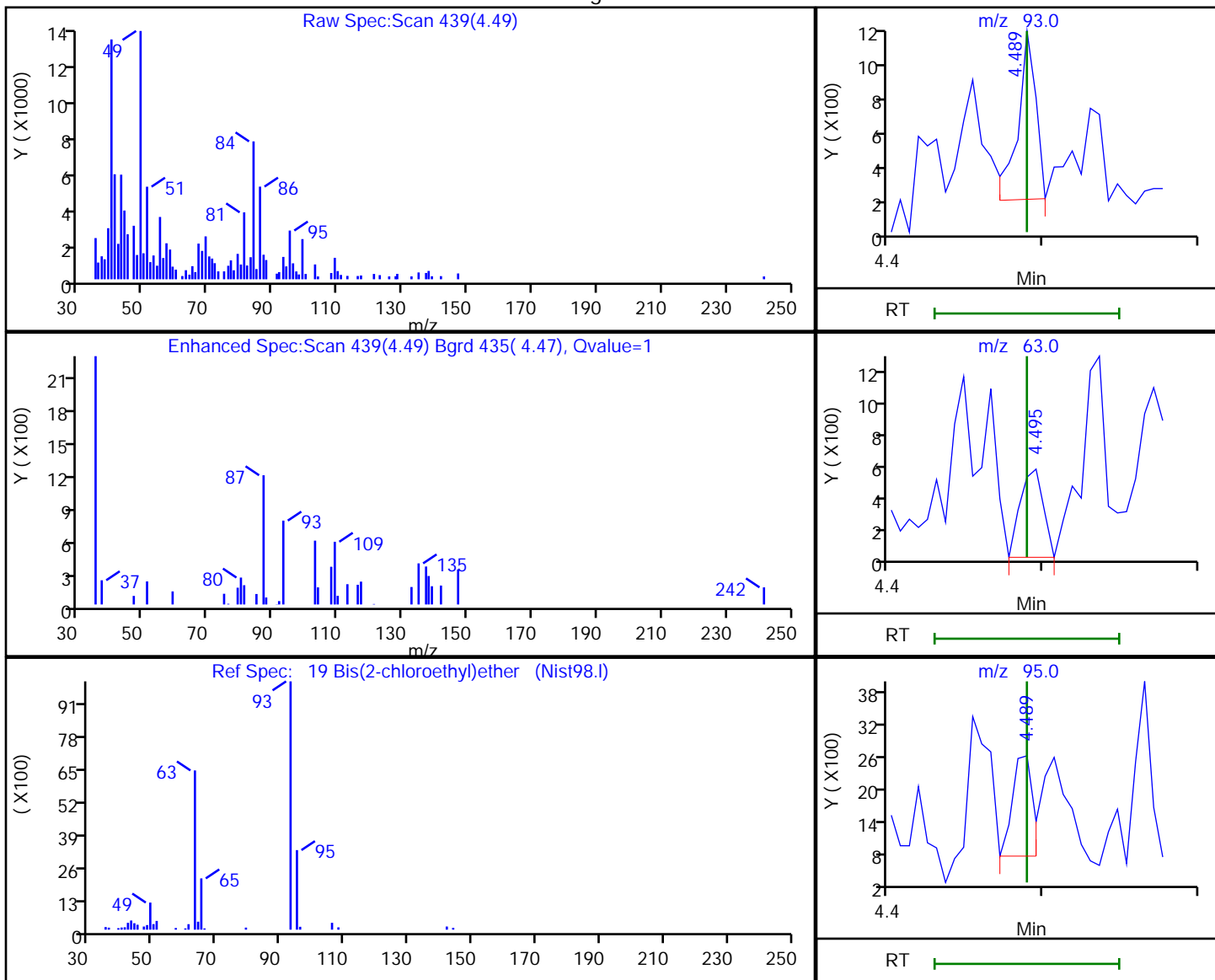
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

19 Bis(2-chloroethyl)ether, CAS: 111-44-4

Processing Results



RT	Mass	Response	Amount
4.49	93.00	820	3.768617
4.50	63.00	553	
4.49	95.00	1717	

Reviewer: thaneeratw, 24-Mar-2022 18:17:58

Audit Action: Marked Compound Undetected

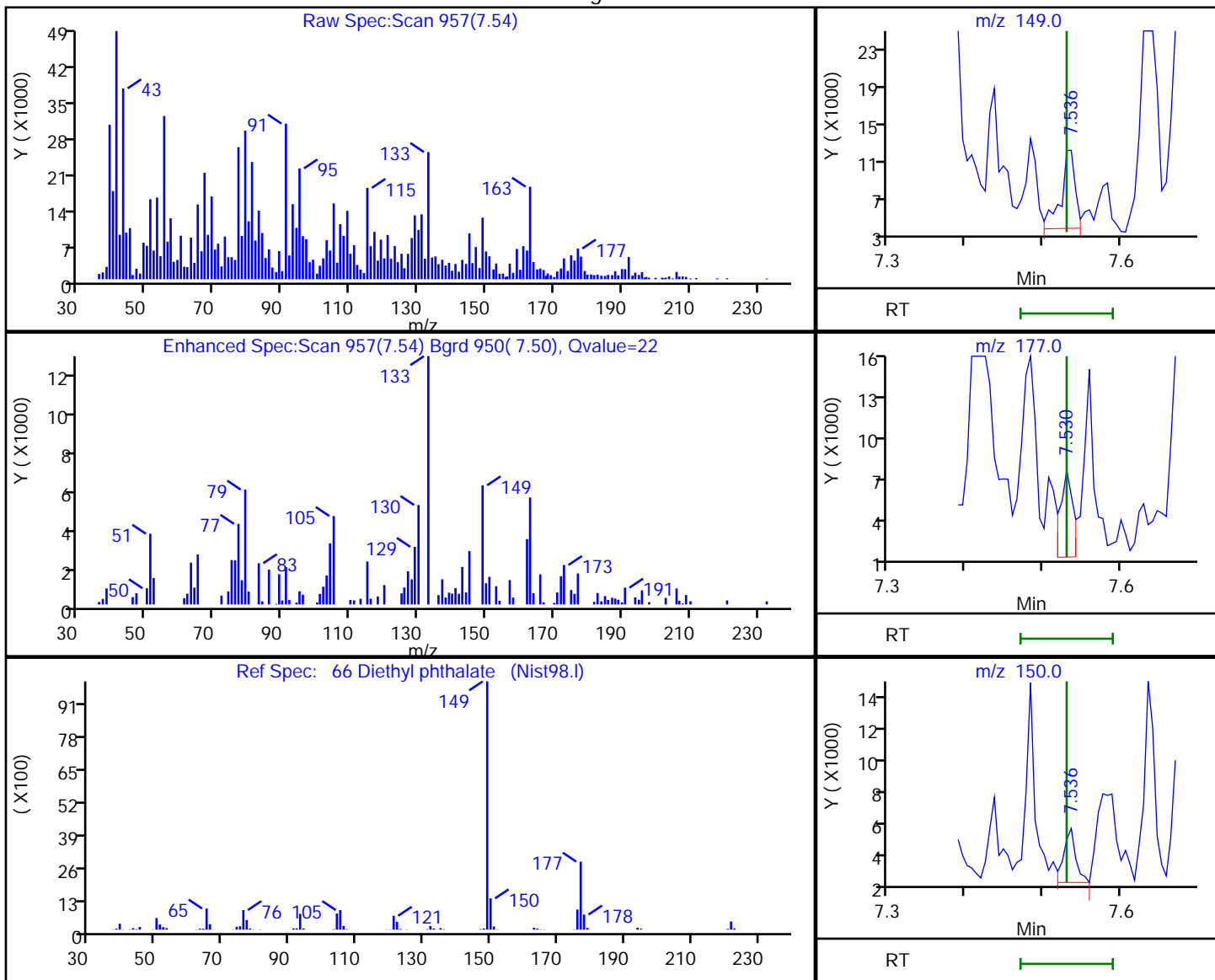
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

66 Diethyl phthalate, CAS: 84-66-2

Processing Results



RT	Mass	Response	Amount
7.54	149.00	10357	24.884971
7.53	177.00	6882	
7.54	150.00	3610	

Reviewer: thaneeratw, 24-Mar-2022 18:20:20

Audit Action: Marked Compound Undetected

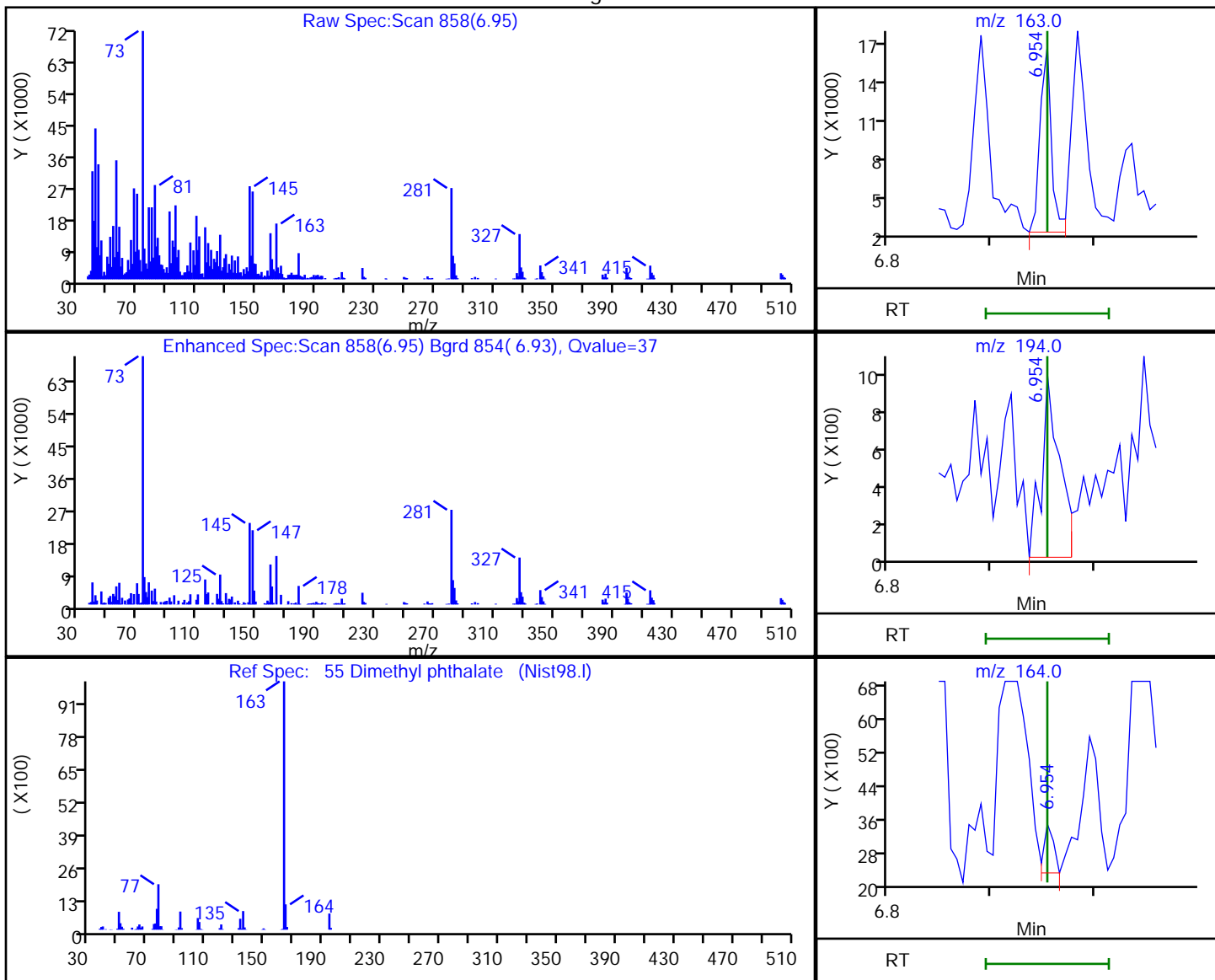
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

55 Dimethyl phthalate, CAS: 131-11-3

Processing Results



RT	Mass	Response	Amount
6.95	163.00	10651	27.419670
6.95	194.00	1179	
6.95	164.00	765	

Reviewer: thaneeratw, 24-Mar-2022 18:19:52

Audit Action: Marked Compound Undetected

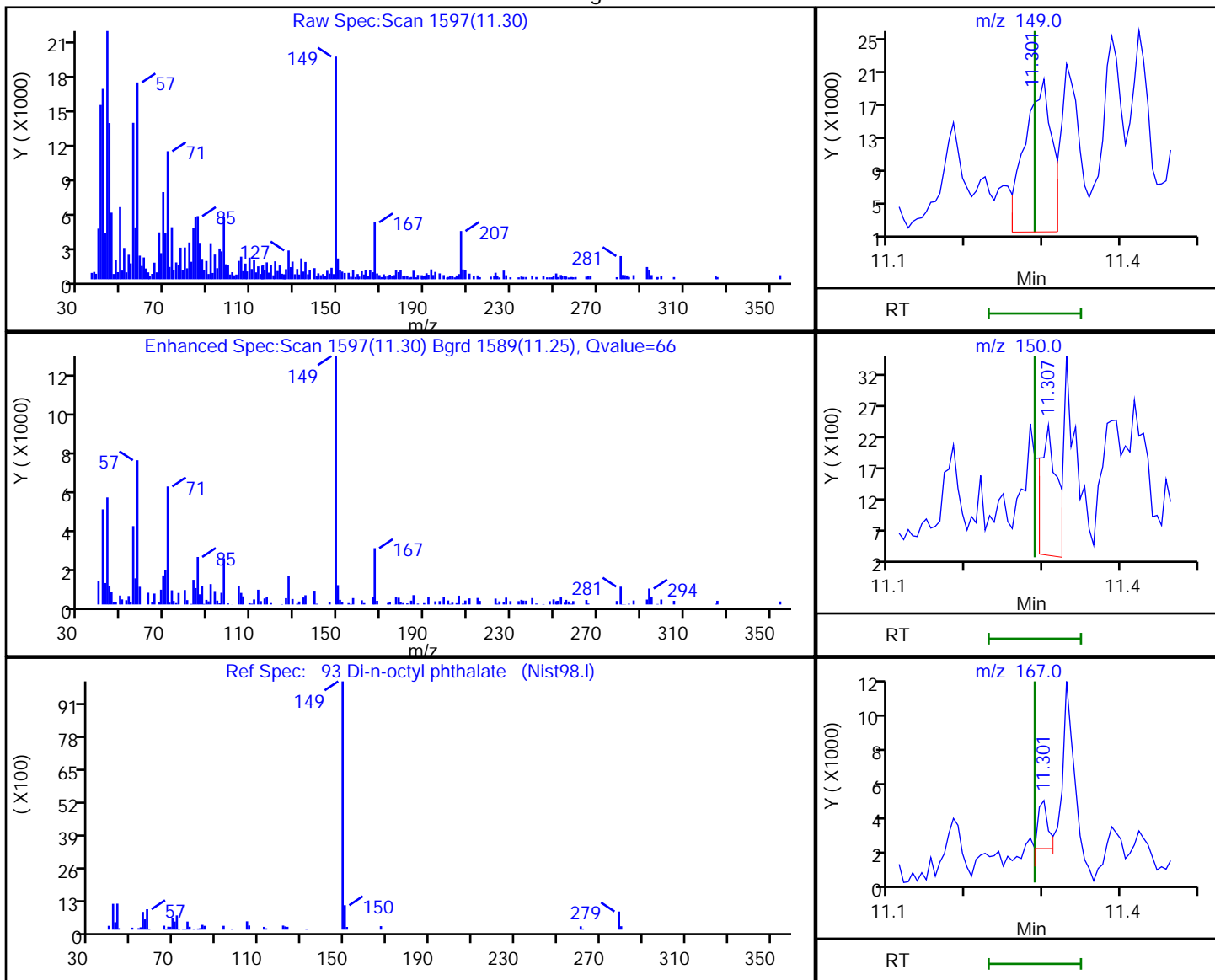
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

93 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.30	149.00	45720	76.240648
11.31	150.00	3081	
11.30	167.00	2211	

Reviewer: thaneeratw, 24-Mar-2022 18:21:15
 Audit Action: Marked Compound Undetected

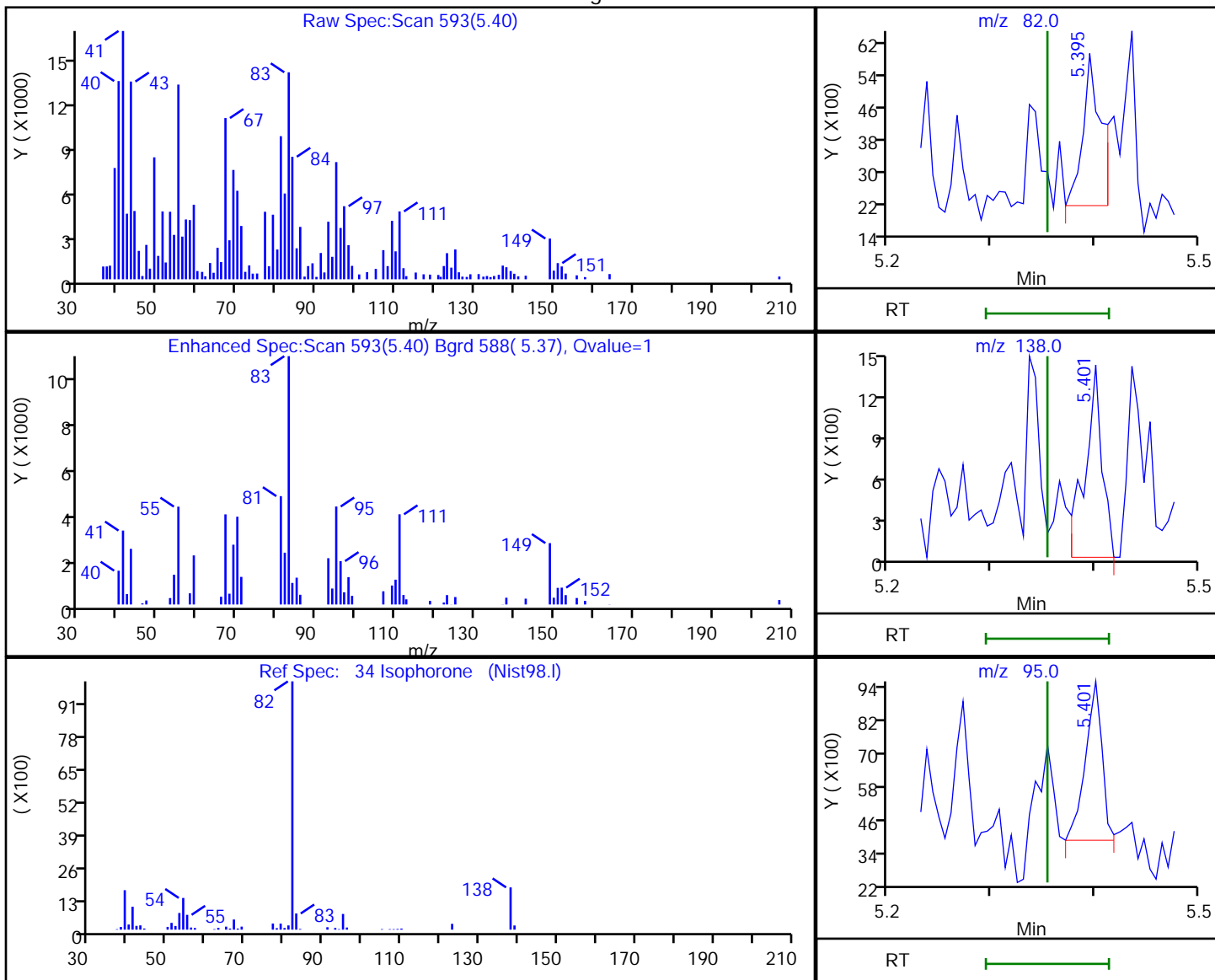
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

34 Isophorone, CAS: 78-59-1

Processing Results



RT	Mass	Response	Amount
5.40	82.00	4618	7.411395
5.40	138.00	1578	
5.40	95.00	6406	

Reviewer: thaneeratw, 24-Mar-2022 18:18:35

Audit Action: Marked Compound Undetected

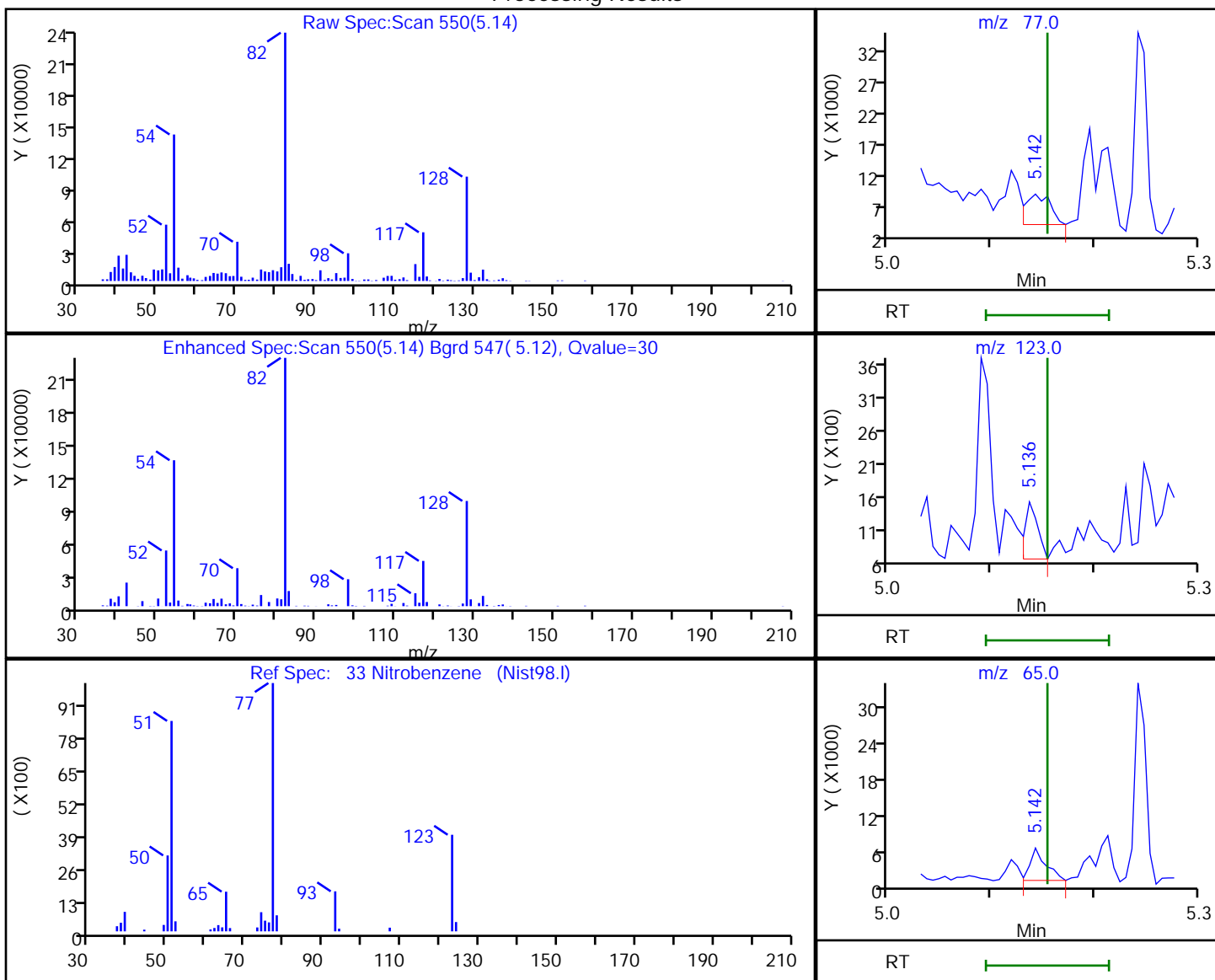
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

33 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
5.14	77.00	7897	29.395765
5.14	123.00	747	
5.14	65.00	5660	

Reviewer: thaneeratw, 24-Mar-2022 18:18:34

Audit Action: Marked Compound Undetected

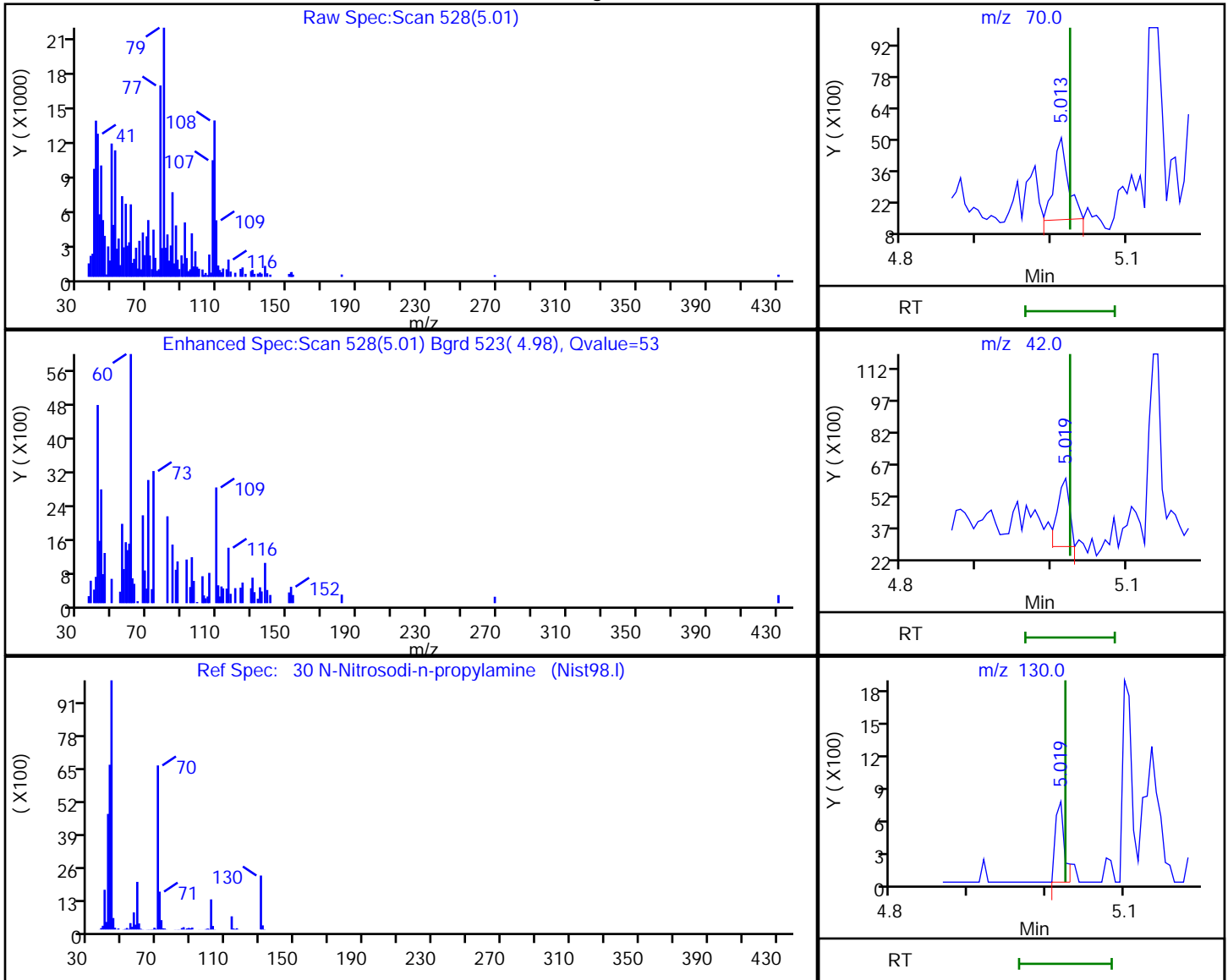
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
 Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
 Client ID: ERH2815 (RHMW01R)
 Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

30 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Processing Results



RT	Mass	Response	Amount
5.01	70.00	4916	25.023532
5.02	42.00	3593	
5.02	130.00	594	

Reviewer: thaneeratw, 24-Mar-2022 18:18:29

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Seattle

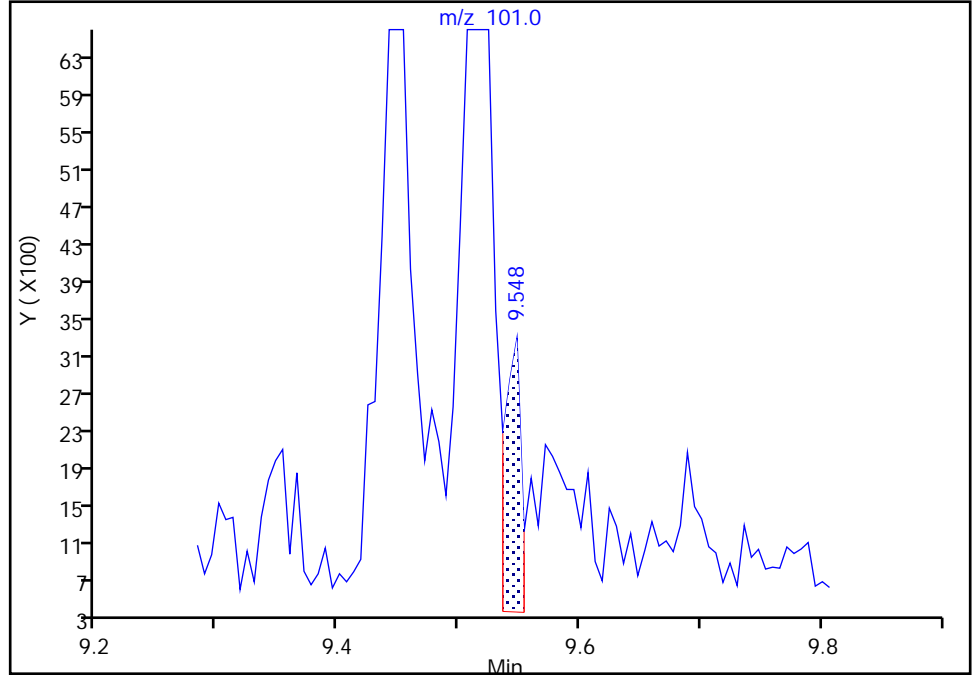
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Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

86 Pyrene, CAS: 129-00-0

Signal: 2

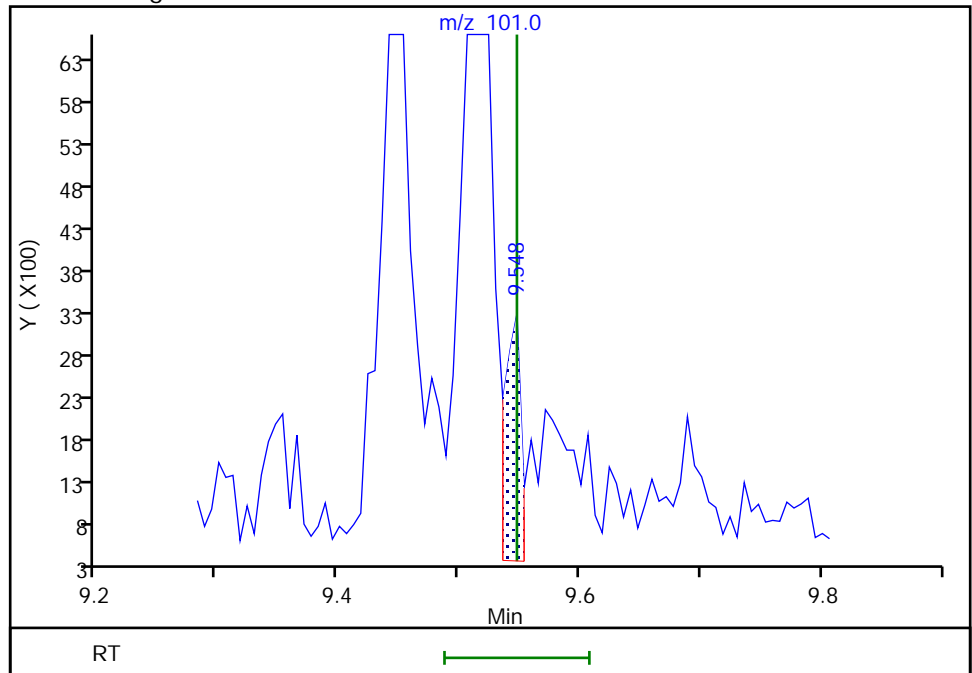
RT: 9.55
Area: 2859
Amount: 5.111200
Amount Units: ug/L

Processing Integration Results



RT: 9.55
Area: 2859
Amount: 5.111200
Amount Units: ug/L

Manual Integration Results



Reviewer: thaneeratw, 24-Mar-2022 18:21:00
Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Seattle

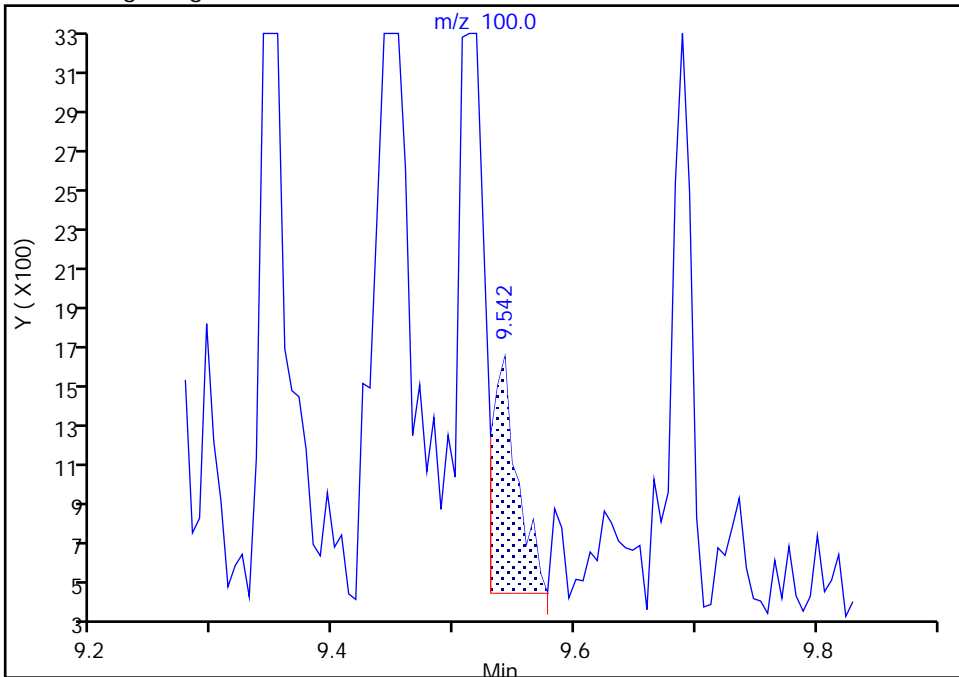
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a030.D
Injection Date: 23-Mar-2022 23:08:30 Instrument ID: TAC040
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: jcm ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

86 Pyrene, CAS: 129-00-0

Signal: 3

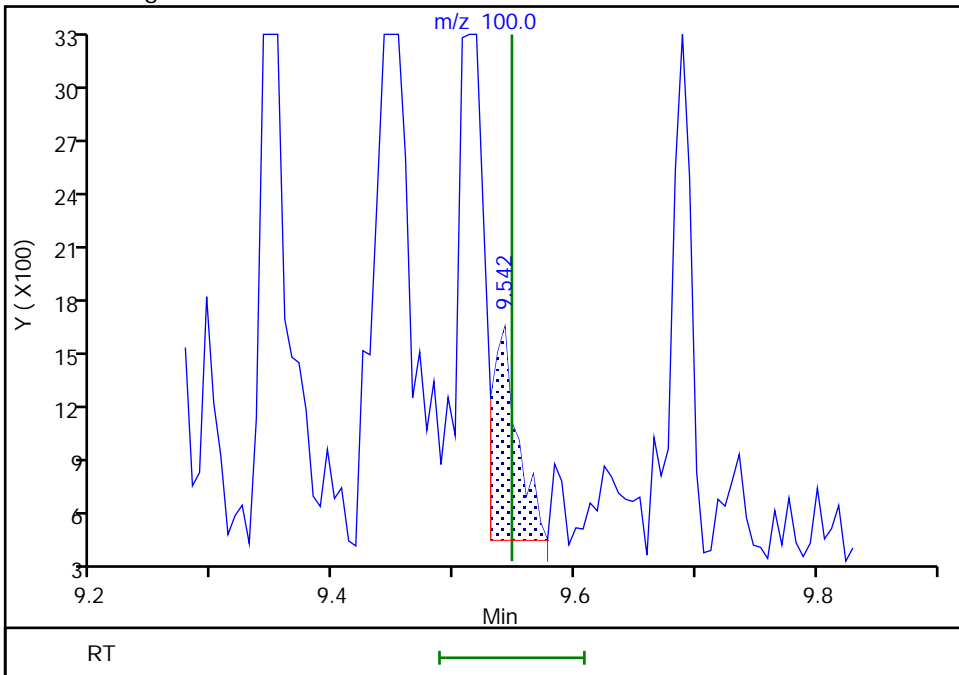
RT: 9.54
Area: 1740
Amount: 5.111200
Amount Units: ug/L

Processing Integration Results



RT: 9.54
Area: 1740
Amount: 5.111200
Amount Units: ug/L

Manual Integration Results



Reviewer: thaneeratw, 24-Mar-2022 18:21:00
Audit Action: Marked Compound Undetected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2775 (RHMW15-05) Lab Sample ID: 580-111436-7
 Matrix: Water Lab File ID: 40Scan032222a023.D
 Analysis Method: 8270E Date Collected: 03/14/2022 09:45
 Extract. Method: 3510C Date Extracted: 03/18/2022 10:55
 Sample wt/vol: 994.1(mL) Date Analyzed: 03/22/2022 20:34
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384624 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U	0.40	0.30	0.091
95-50-1	1,2-Dichlorobenzene	0.15	U	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.091	U	0.40	0.091	0.040
106-46-7	1,4-Dichlorobenzene	0.091	U	0.40	0.091	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U M	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.070
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U M	1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	0.60	U Q	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U M	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.60	0.15	0.050
100-02-7	4-Nitrophenol	6.0	U	10	6.0	1.7
103-33-3	Azobenzene	0.15	U M	2.0	0.15	0.060
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U M	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.091	U	0.10	0.091	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.30	U	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.091	U	0.60	0.091	0.040
87-68-3	Hexachlorobutadiene	0.15	U	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.050

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2775 (RHMW15-05) Lab Sample ID: 580-111436-7
 Matrix: Water Lab File ID: 40Scan032222a023.D
 Analysis Method: 8270E Date Collected: 03/14/2022 09:45
 Extract. Method: 3510C Date Extracted: 03/18/2022 10:55
 Sample wt/vol: 994.1(mL) Date Analyzed: 03/22/2022 20:34
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384624 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U	0.60	0.30	0.10
98-95-3	Nitrobenzene	0.091	U	1.0	0.091	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.091	U	0.40	0.091	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U M	1.0	0.15	0.070
95-48-7	o-Cresol	0.15	U	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U	10	1.0	0.51
108-95-2	Phenol	0.60	U M	1.0	0.60	0.36
129-00-0	Pyrene	0.091	U M	1.0	0.091	0.040
110-86-1	Pyridine	3.2	U	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	67		43-140
321-60-8	2-Fluorobiphenyl	57		44-119
367-12-4	2-Fluorophenol (Surr)	41		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	64		44-120
4165-62-2	Phenol-d5 (Surr)	25		10-120
1718-51-0	Terphenyl-d14	102		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a023.D
 Lims ID: 580-111436-B-7-A
 Client ID: ERH2775 (RHMW15-05)
 Sample Type: Client
 Inject. Date: 22-Mar-2022 20:34:30 ALS Bottle#: 21 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-7-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 23-Mar-2022 16:01:29 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1607

First Level Reviewer: limmere

Date: 23-Mar-2022 16:01:29

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	95	16370	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	65477	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	92	30278	100.0	
* 4 Phenanthrene-d10	188	8.372	8.371	0.001	96	55658	100.0	
* 5 Chrysene-d12	240	10.571	10.577	-0.006	96	47912	100.0	
* 6 Perylene-d12	264	12.083	12.089	-0.006	94	55847	100.0	
\$ 7 2-Fluorophenol	112	3.638	3.638	0.005	94	89306	411.2	
\$ 8 Phenol-d5	99	4.419	4.419	0.006	0	66305	252.9	
\$ 9 Nitrobenzene-d5	82	5.136	5.136	0.000	94	170638	642.3	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	99	228720	568.2	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	93	64419	667.5	
\$ 12 Terphenyl-d14	244	9.689	9.695	-0.006	96	448749	1018.2	
26 Cyclohexanone	55	4.572	4.542	0.030	33	5819	NC	
21 n-Decane	57	4.572	4.572	0.000	92	29024	90.8	
29 Acetophenone	105	5.019	5.019	0.000	37	1038	3.43	
66 Diethyl phthalate	149	7.530	7.536	-0.006	81	12849	32.3	
82 2,3-Dichlorobenzamine	161	8.495	8.477	0.018	1	154	NC	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	88	10989	14.5	
88 Nonylphenol	135	9.736	9.736	0.000	0	326	NC	
87 Butyl benzyl phthalate	149	10.107	10.101	0.000	90	15677	54.4	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.624	0.000	95	45912	114.9	
121 DFTPP								
125 4,4'-DDT	235	10.118	10.171	-0.053	1	54	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

MeCl2_CT_00216	Amount Added: 1.00	Units: mL	Run Reagent
8270SIM_IS_00069	Amount Added: 10.00	Units: uL	Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a023.D

Injection Date: 22-Mar-2022 20:34:30

Instrument ID: TAC040

Lims ID: 580-111436-B-7-A

Lab Sample ID: 580-111436-7

Client ID: ERH2775 (RHMW15-05)

Operator ID: jcm

ALS Bottle#: 21

Worklist Smp#: 22

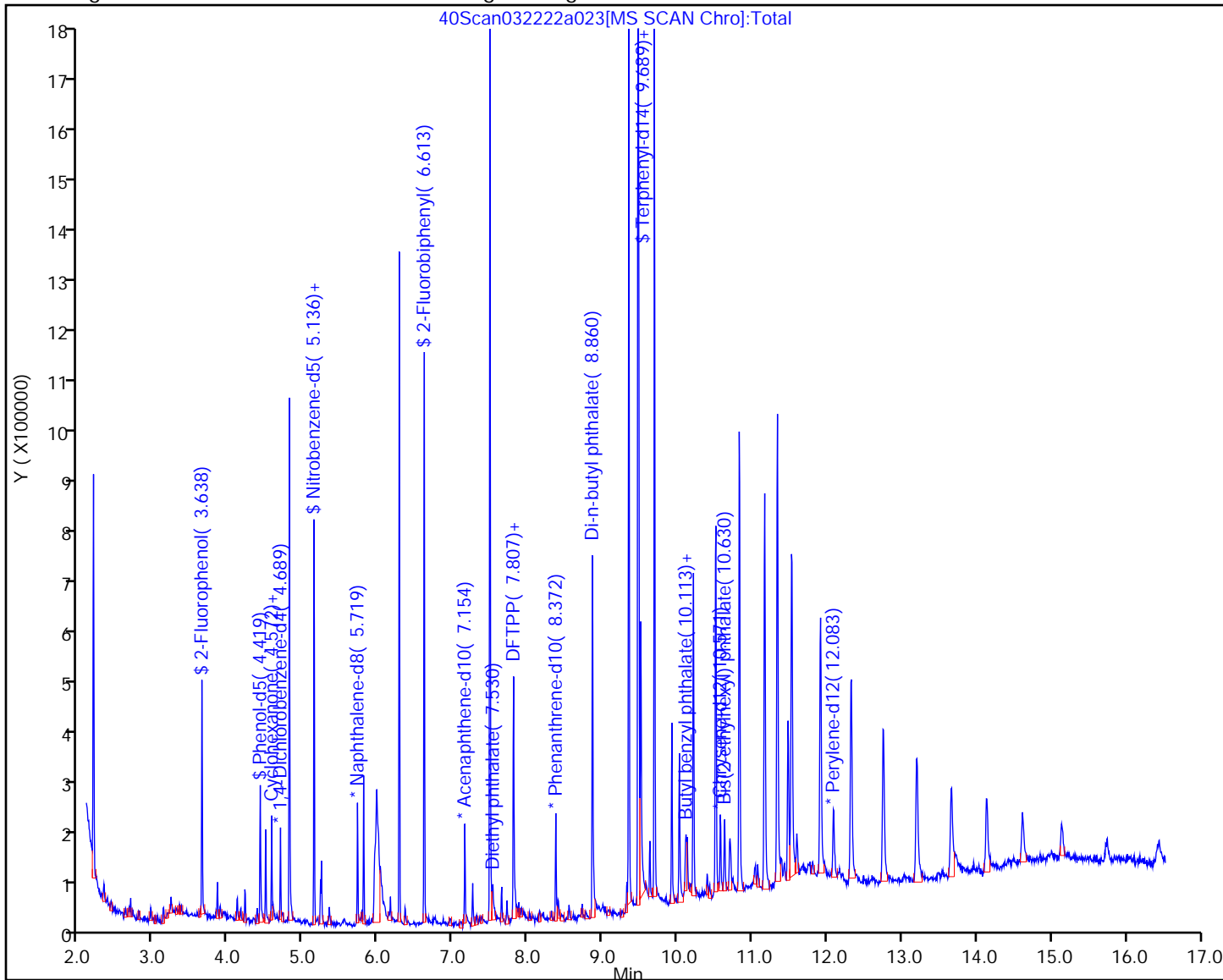
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a023.D
 Lims ID: 580-111436-B-7-A
 Client ID: ERH2775 (RHMW15-05)
 Sample Type: Client
 Inject. Date: 22-Mar-2022 20:34:30 ALS Bottle#: 21 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-7-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 23-Mar-2022 16:01:29 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1607

First Level Reviewer: limmere

Date: 23-Mar-2022 16:01:29

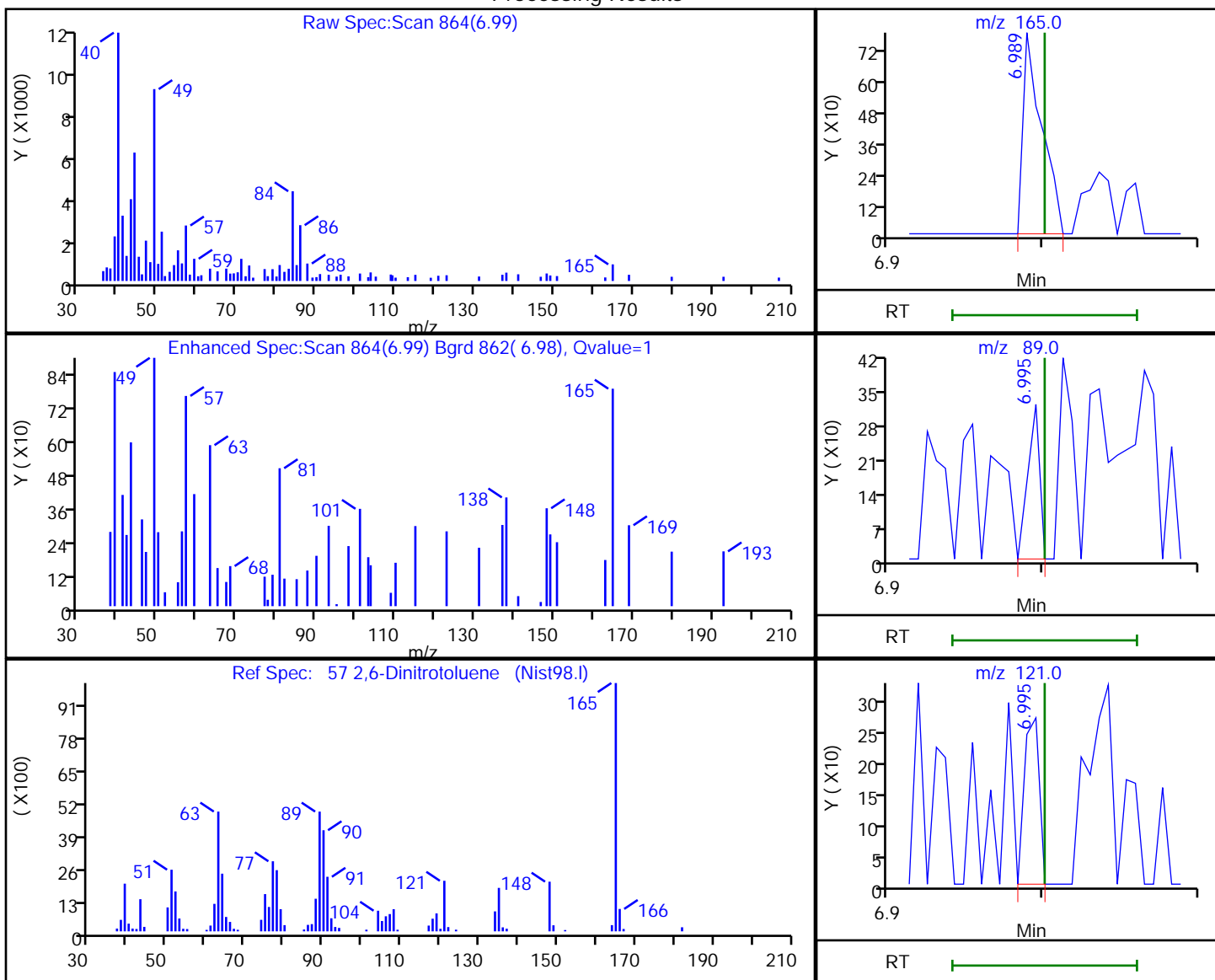
Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-Fluorophenol	1000.0	411.2	41.12
\$ 8 Phenol-d5	1000.0	252.9	25.29
\$ 9 Nitrobenzene-d5	1000.0	642.3	64.23
\$ 10 2-Fluorobiphenyl	1000.0	568.2	56.82
\$ 11 2,4,6-Tribromophenol	1000.0	667.5	66.75
\$ 12 Terphenyl-d14	1000.0	1018.2	101.82

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a023.D
 Injection Date: 22-Mar-2022 20:34:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
 Client ID: ERH2775 (RHMW15-05)
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

57 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
6.99	165.00	663	22.155809
7.00	89.00	169	
7.00	121.00	183	

Reviewer: limmere, 23-Mar-2022 16:00:35

Audit Action: Marked Compound Undetected

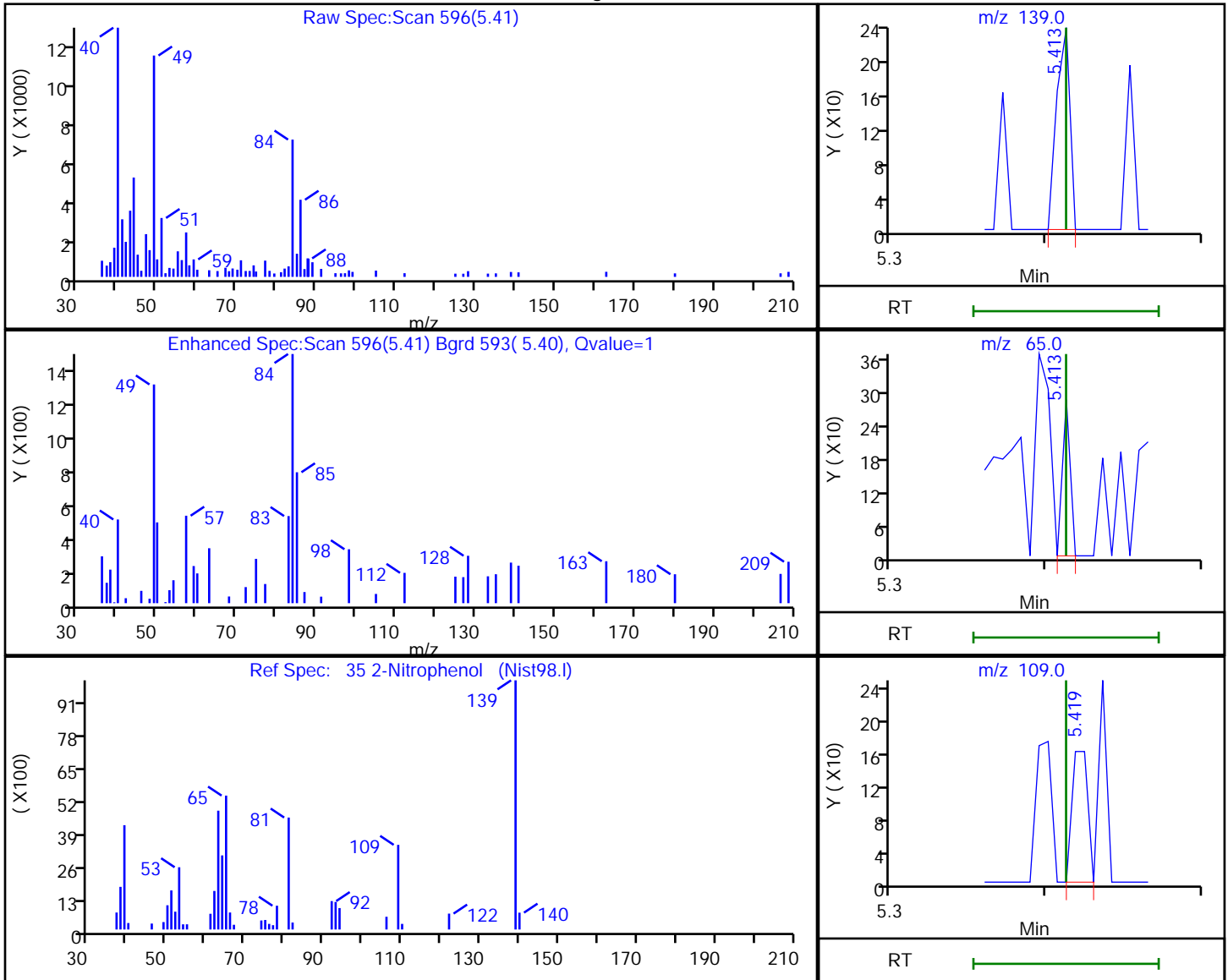
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a023.D
 Injection Date: 22-Mar-2022 20:34:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
 Client ID: ERH2775 (RHMW15-05)
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

35 2-Nitrophenol, CAS: 88-75-5

Processing Results



RT	Mass	Response	Amount
5.41	139.00	141	1.393250
5.41	65.00	99	
5.42	109.00	110	

Reviewer: limmere, 23-Mar-2022 16:00:22

Audit Action: Marked Compound Undetected

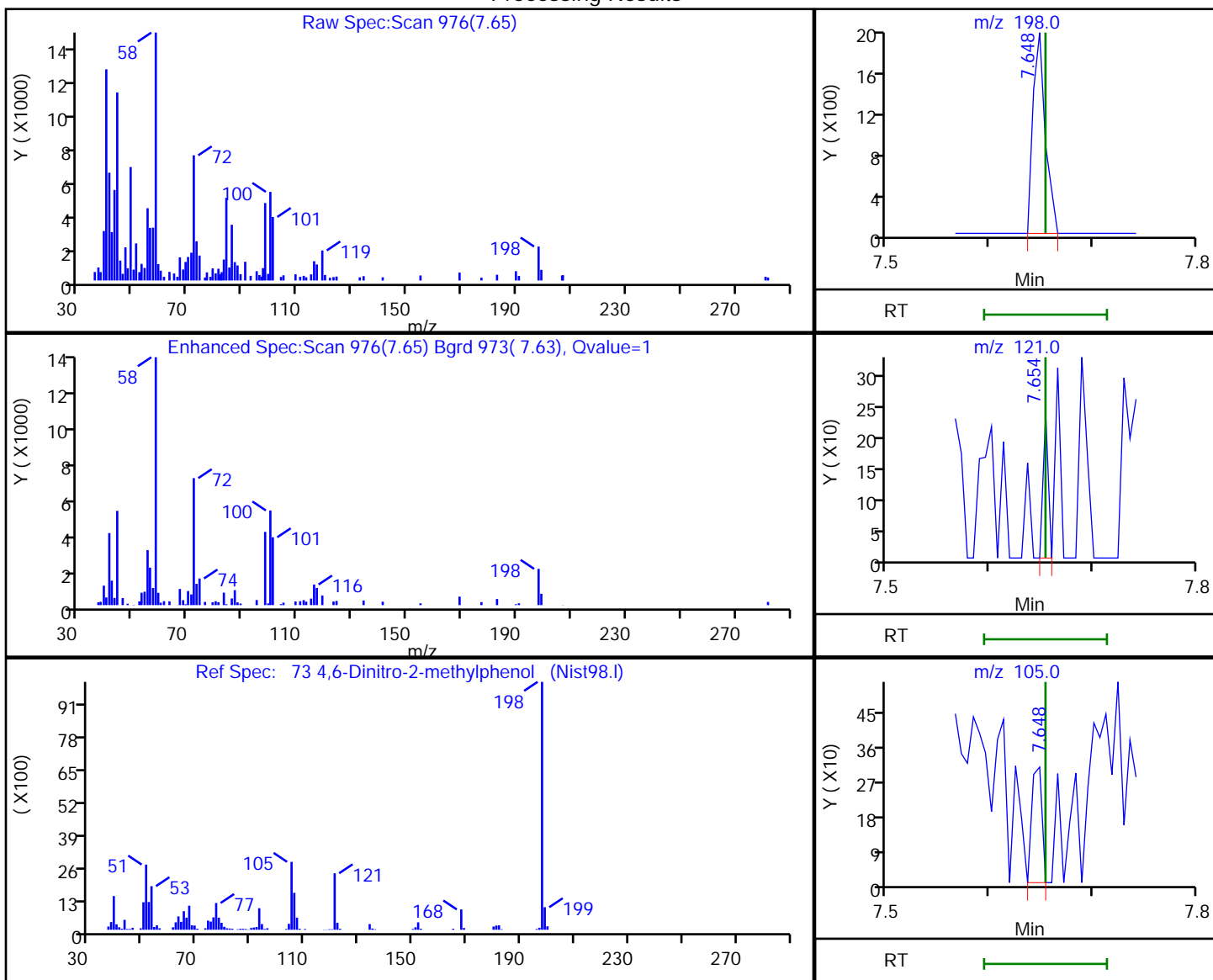
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a023.D
 Injection Date: 22-Mar-2022 20:34:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
 Client ID: ERH2775 (RHMW15-05)
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

73 4,6-Dinitro-2-methylphenol, CAS: 534-52-1

Processing Results



RT	Mass	Response	Amount
7.65	198.00	1643	255.1110
7.65	121.00	81	
7.65	105.00	206	

Reviewer: limmere, 23-Mar-2022 16:00:45
 Audit Action: Marked Compound Undetected

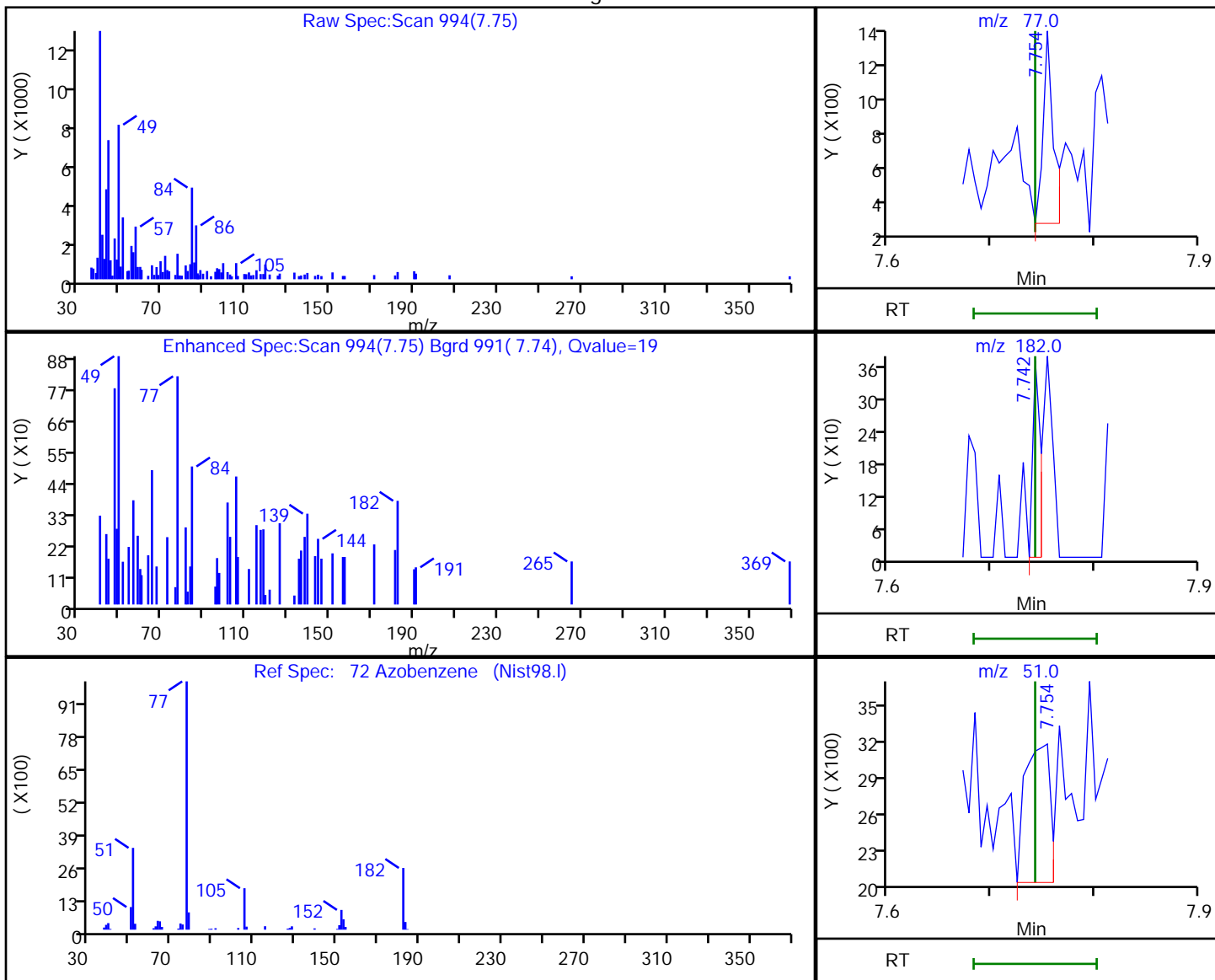
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a023.D
 Injection Date: 22-Mar-2022 20:34:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
 Client ID: ERH2775 (RHMW15-05)
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

72 Azobenzene, CAS: 103-33-3

Processing Results



RT	Mass	Response	Amount
7.75	77.00	706	1.262920
7.74	182.00	195	
7.75	51.00	1931	

Reviewer: limmere, 23-Mar-2022 16:00:48

Audit Action: Marked Compound Undetected

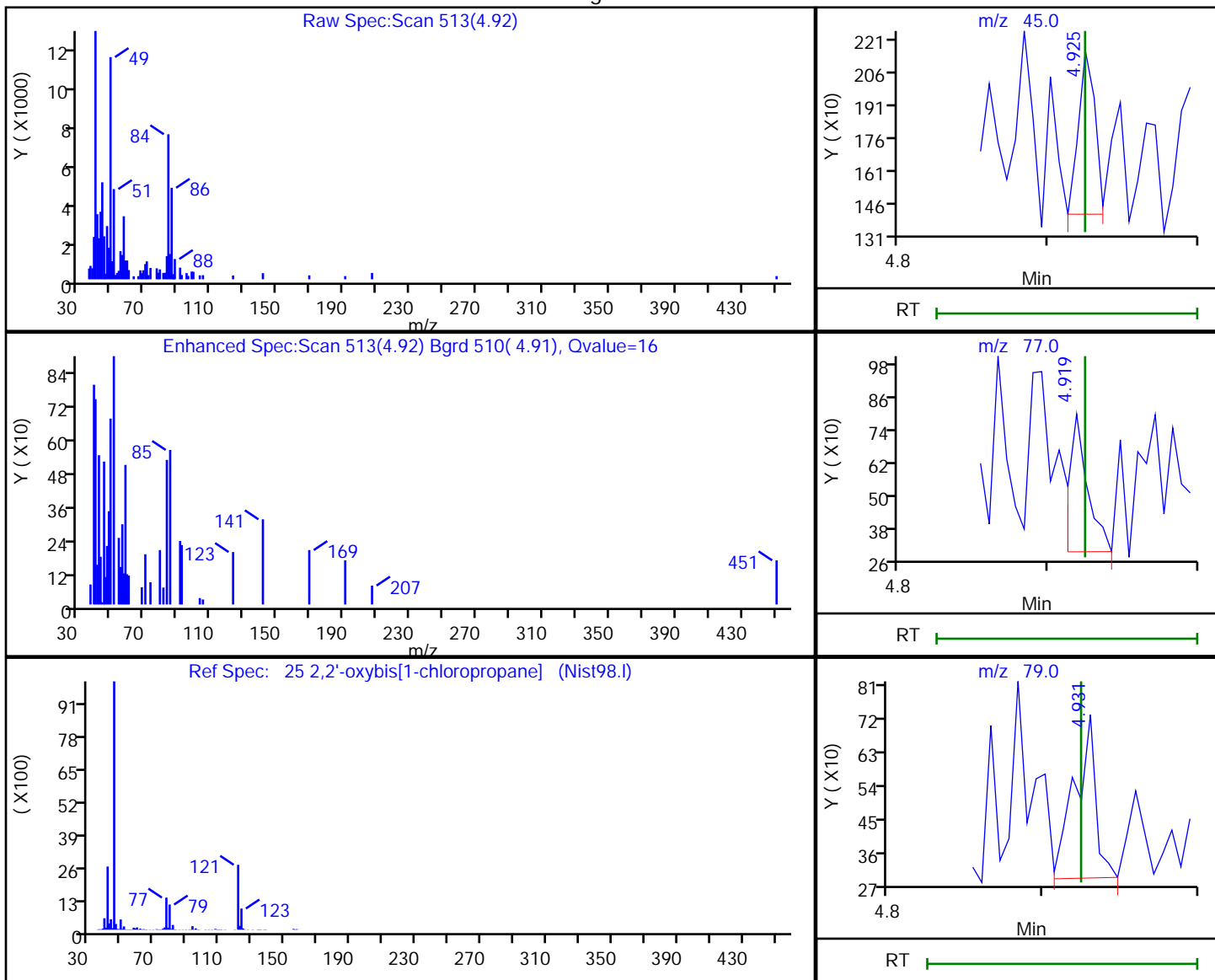
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a023.D
 Injection Date: 22-Mar-2022 20:34:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
 Client ID: ERH2775 (RHMW15-05)
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

25 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.92	45.00	585	1.450496
4.92	77.00	434	
4.93	79.00	422	

Reviewer: limmere, 23-Mar-2022 16:00:18

Audit Action: Marked Compound Undetected

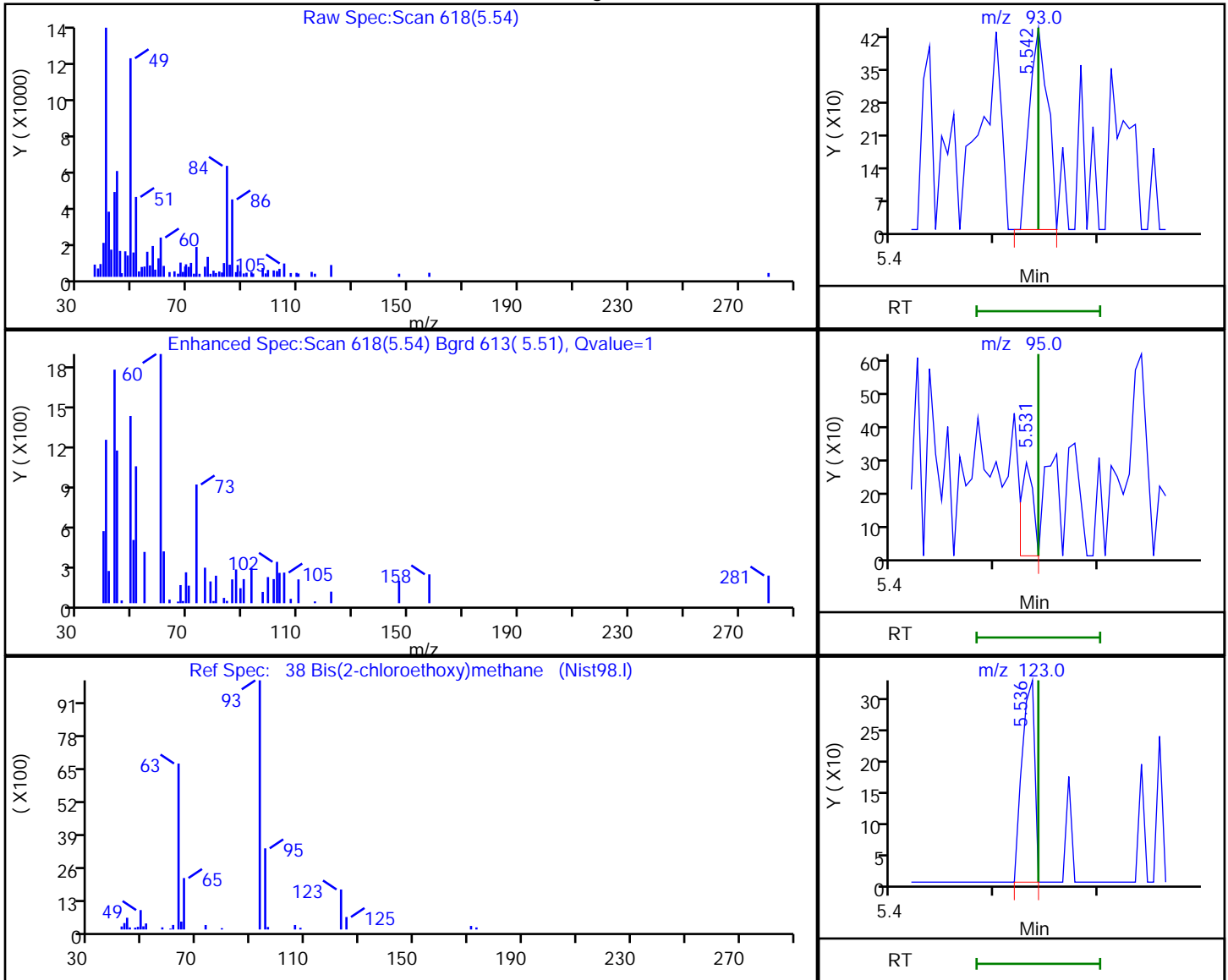
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a023.D
 Injection Date: 22-Mar-2022 20:34:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
 Client ID: ERH2775 (RHMW15-05)
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

38 Bis(2-chloroethoxy)methane, CAS: 111-91-1

Processing Results



RT	Mass	Response	Amount
5.54	93.00	529	2.000886
5.53	95.00	232	
5.54	123.00	276	

Reviewer: limmere, 23-Mar-2022 16:00:25

Audit Action: Marked Compound Undetected

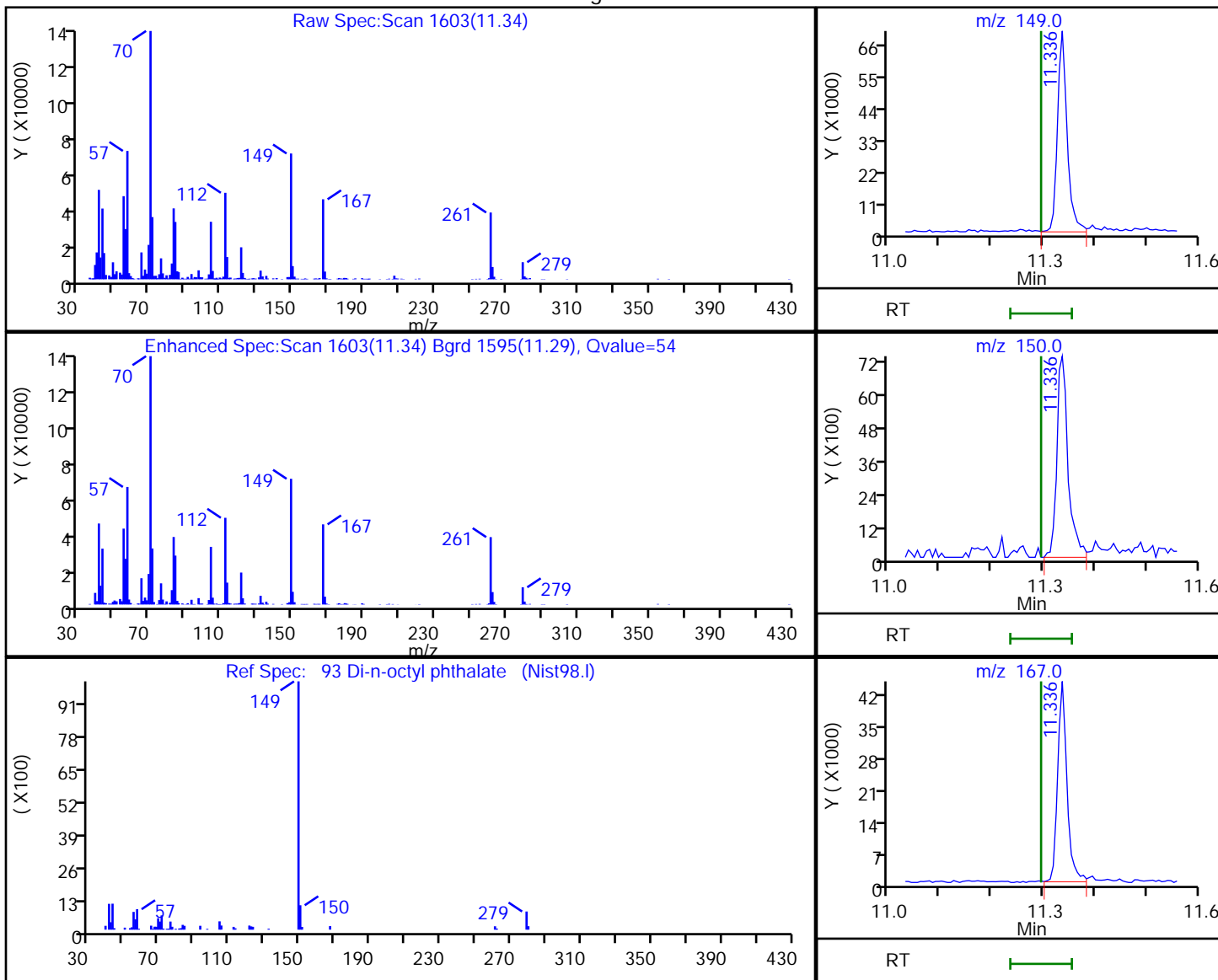
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a023.D
 Injection Date: 22-Mar-2022 20:34:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
 Client ID: ERH2775 (RHMW15-05)
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

93 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.34	149.00	92183	149.6013
11.34	150.00	11247	
11.34	167.00	56665	

Reviewer: limmere, 23-Mar-2022 16:01:12

Audit Action: Marked Compound Undetected

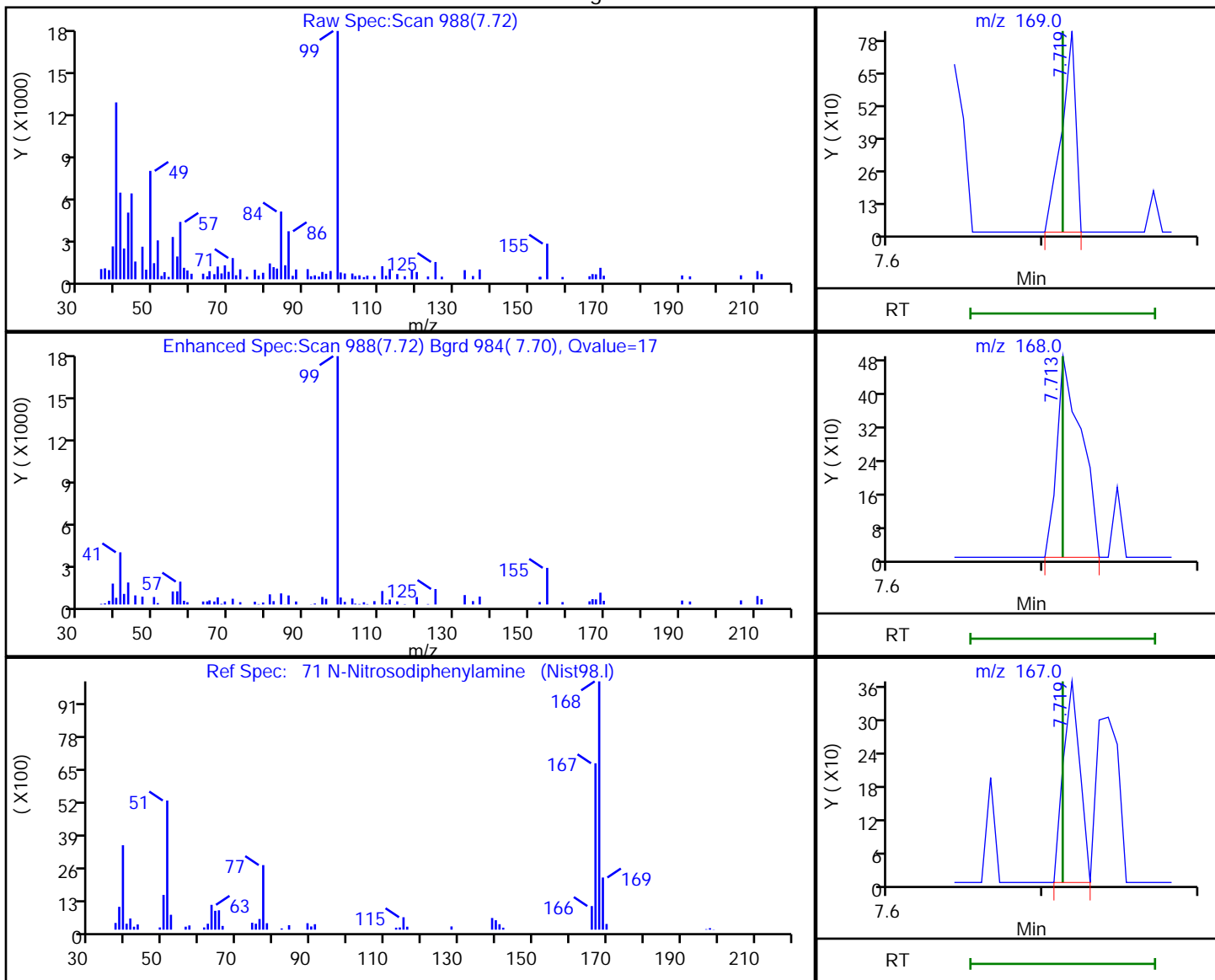
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a023.D
 Injection Date: 22-Mar-2022 20:34:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
 Client ID: ERH2775 (RHMW15-05)
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

71 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
7.72	169.00	517	1.767567
7.71	168.00	536	
7.72	167.00	276	

Reviewer: limmere, 23-Mar-2022 16:00:47

Audit Action: Marked Compound Undetected

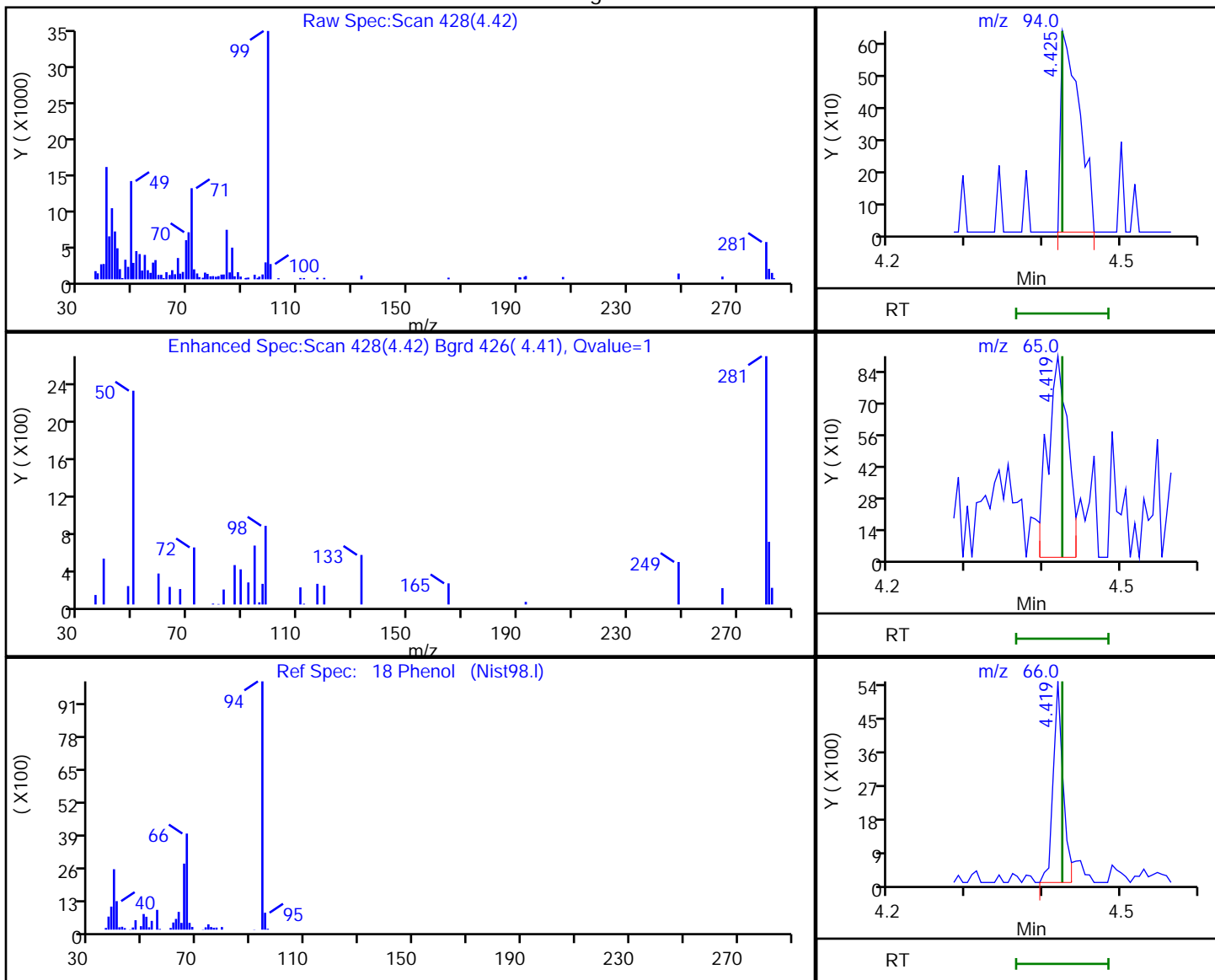
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a023.D
 Injection Date: 22-Mar-2022 20:34:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
 Client ID: ERH2775 (RHMW15-05)
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

18 Phenol, CAS: 108-95-2

Processing Results



RT	Mass	Response	Amount
4.42	94.00	1055	3.548748
4.42	65.00	1650	
4.42	66.00	4855	

Reviewer: limmere, 23-Mar-2022 16:00:13
 Audit Action: Marked Compound Undetected

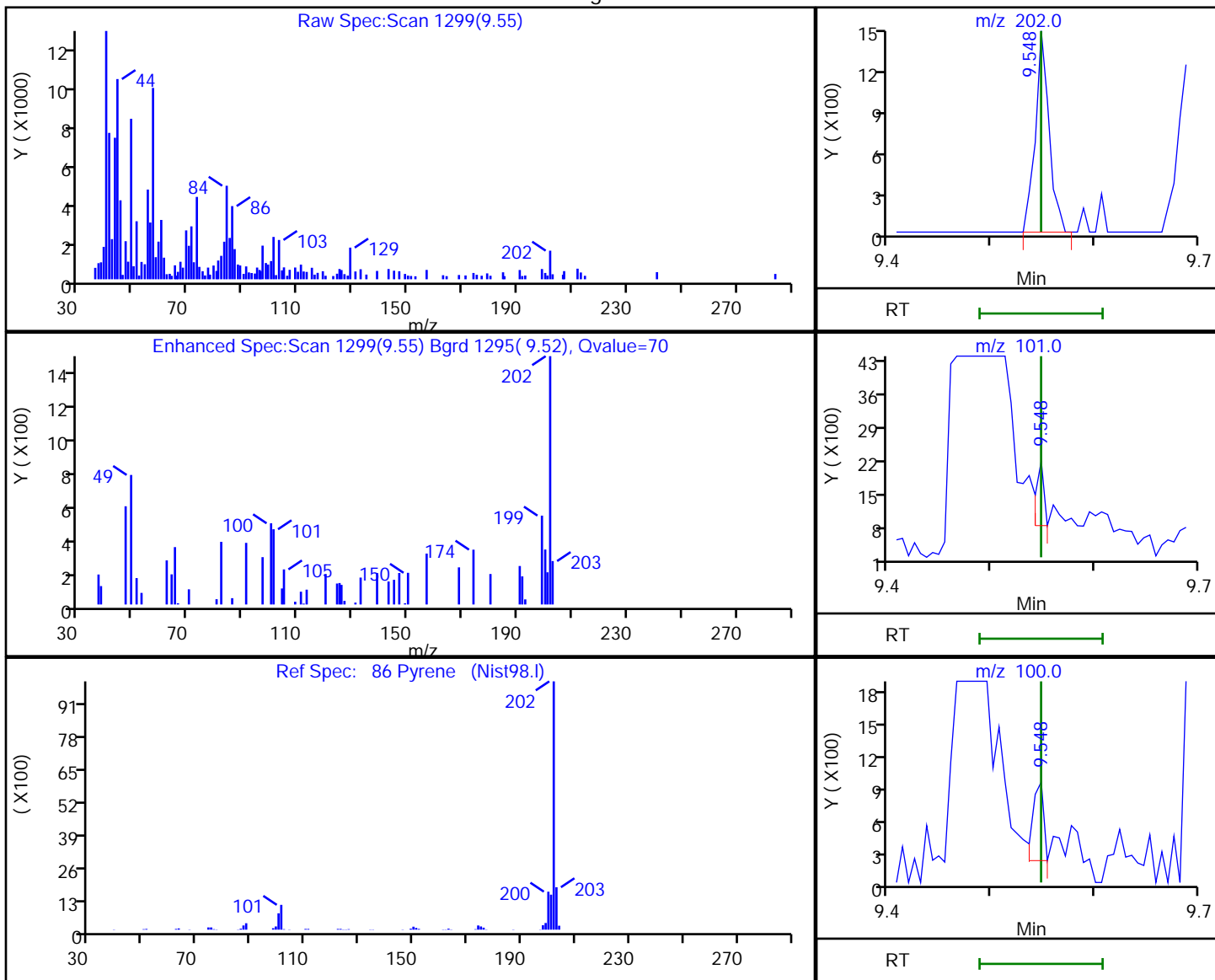
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a023.D
 Injection Date: 22-Mar-2022 20:34:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
 Client ID: ERH2775 (RHMW15-05)
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

86 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
9.55	202.00	1354	2.017015
9.55	101.00	693	
9.55	100.00	526	

Reviewer: limmere, 23-Mar-2022 16:01:00
 Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2800 (RHMW14-3) Lab Sample ID: 580-111436-8
 Matrix: Water Lab File ID: 40Scan032322a031.D
 Analysis Method: 8270E Date Collected: 03/15/2022 10:00
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 990.3(mL) Date Analyzed: 03/23/2022 23:31
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384865 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U	0.40	0.30	0.091
95-50-1	1,2-Dichlorobenzene	0.15	U	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.091	U Q	0.40	0.091	0.040
106-46-7	1,4-Dichlorobenzene	0.091	U	0.40	0.091	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.61	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U M	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U Q	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U M	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.071
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U Q	1.0	0.15	0.071
91-94-1	3,3'-Dichlorobenzidine	0.61	U Q	1.0	0.61	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U M Q	2.0	1.2	0.56
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.61	0.15	0.061
59-50-7	4-Chloro-3-methylphenol	0.30	U M	0.61	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.61	0.15	0.050
100-02-7	4-Nitrophenol	6.1	U Q	10	6.1	1.7
103-33-3	Azobenzene	0.15	U M	2.0	0.15	0.061
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.061
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.61	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.091	U M	0.10	0.091	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U Q	3.0	1.6	0.75
85-68-7	Butyl benzyl phthalate	0.61	U	4.0	0.61	0.27
84-66-2	Diethyl phthalate	0.30	U	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.61	0.15	0.061
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.091	U	0.61	0.091	0.040
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.061
77-47-4	Hexachlorocyclopentadiene	0.30	U Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.050

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2800 (RHMW14-3) Lab Sample ID: 580-111436-8
 Matrix: Water Lab File ID: 40Scan032322a031.D
 Analysis Method: 8270E Date Collected: 03/15/2022 10:00
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 990.3(mL) Date Analyzed: 03/23/2022 23:31
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384865 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U M	0.61	0.30	0.10
98-95-3	Nitrobenzene	0.091	U	1.0	0.091	0.040
62-75-9	N-Nitrosodimethylamine	0.61	U	2.0	0.61	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.091	U	0.40	0.091	0.061
86-30-6	N-Nitrosodiphenylamine	0.15	U M	1.0	0.15	0.071
95-48-7	o-Cresol	0.15	U M	0.61	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U Q	10	1.0	0.51
108-95-2	Phenol	0.61	U M	1.0	0.61	0.36
129-00-0	Pyrene	0.091	U M	1.0	0.091	0.040
110-86-1	Pyridine	3.2	U Q	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	85		43-140
321-60-8	2-Fluorobiphenyl	74		44-119
367-12-4	2-Fluorophenol (Surr)	53		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	78		44-120
4165-62-2	Phenol-d5 (Surr)	37		10-120
1718-51-0	Terphenyl-d14	114		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D
 Lims ID: 580-111436-B-8-A
 Client ID: ERH2800 (RHMW14-3)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 23:31:30 ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-8-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 18:25:03 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw

Date: 24-Mar-2022 18:25:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	93	18337	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	66669	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	93	28186	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	96	50322	100.0	
* 5 Chrysene-d12	240	10.571	10.571	0.000	96	48910	100.0	
* 6 Perylene-d12	264	12.089	12.083	0.006	95	62268	100.0	
\$ 7 2-Fluorophenol	112	3.659	3.718	0.005	93	129332	531.6	
\$ 8 Phenol-d5	99	4.448	4.466	0.006	0	109574	373.1	
\$ 9 Nitrobenzene-d5	82	5.136	5.148	-0.006	95	209648	775.0	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	99	276251	737.3	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	95	74574	848.0	
\$ 12 Terphenyl-d14	244	9.689	9.689	0.000	96	452508	1135.6	
26 Cyclohexanone	55	4.572	4.589	0.030	32	4732	NC	
21 n-Decane	57	4.572	4.572	0.000	94	26985	72.7	
66 Diethyl phthalate	149	7.530	7.530	0.000	59	3446	9.31	
82 2,3-Dichlorobenzeneamine	161	8.477	8.477	0.000	1	223	NC	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	51	25987	38.0	
88 Nonylphenol	135	9.742	9.736	0.006	0	255	NC	
87 Butyl benzyl phthalate	149	10.107	10.107	0.000	81	6804	23.1	
92 Bis(2-ethylhexyl) phthalate	149	10.624	10.630	-0.006	96	89938	220.4	
94 Benzo[b]fluoranthene	252	11.718	11.659	0.059	1	116	0.1812	
121 DFTPP								
124 4,4'-DDD	235	9.912	9.924	-0.012	1	189	NR	
125 4,4'-DDT	235	10.136	10.177	-0.041	1	208	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

MeCl2_CT_00216

Amount Added: 1.00

Units: mL

Run Reagent

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D

Injection Date: 23-Mar-2022 23:31:30

Instrument ID: TAC040

Lims ID: 580-111436-B-8-A

Lab Sample ID: 580-111436-8

Client ID: ERH2800 (RHMW14-3)

Operator ID: jcm

ALS Bottle#: 27

Worklist Smp#: 27

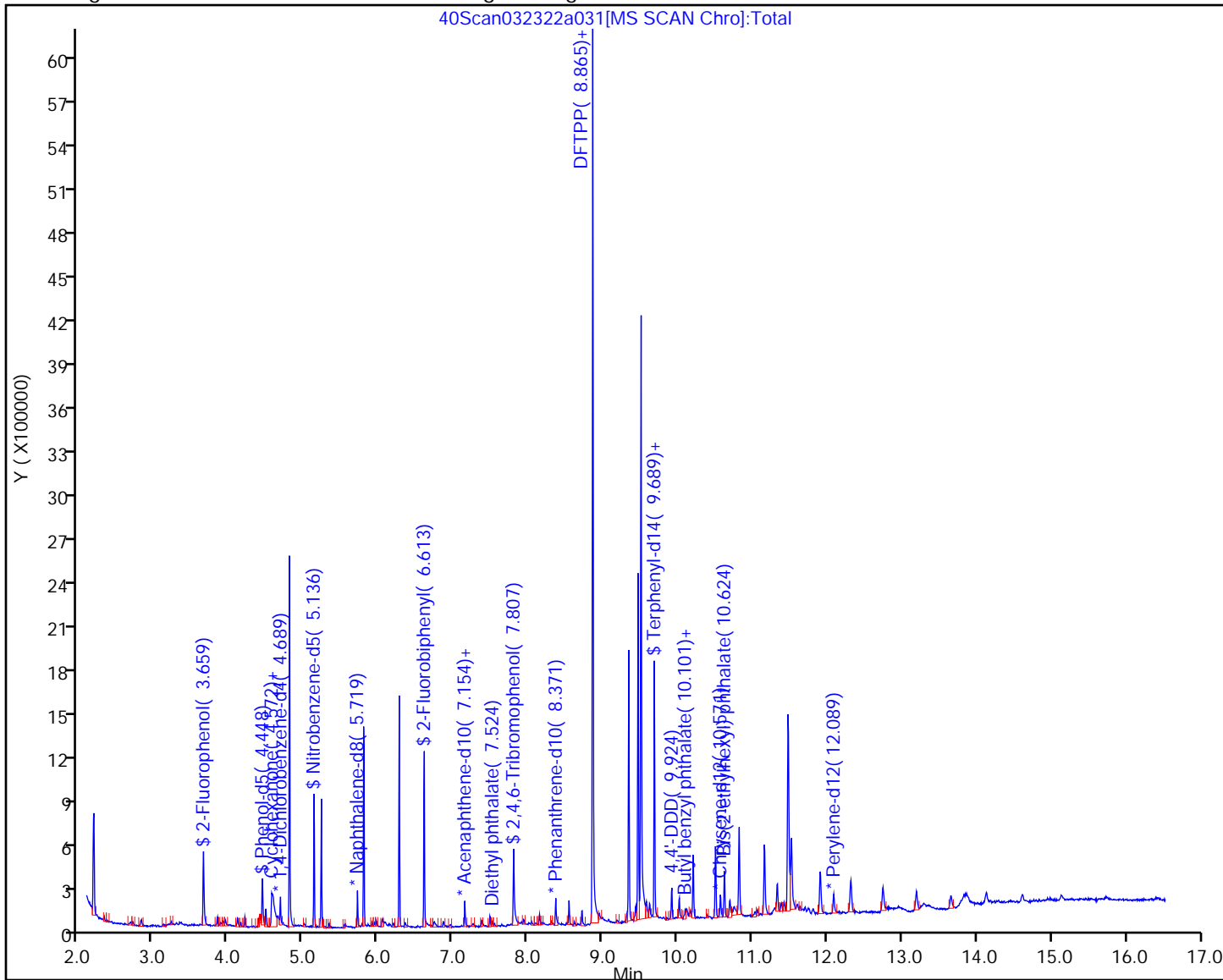
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D
 Lims ID: 580-111436-B-8-A
 Client ID: ERH2800 (RHMW14-3)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 23:31:30 ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-8-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 18:25:03 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw Date: 24-Mar-2022 18:25:03

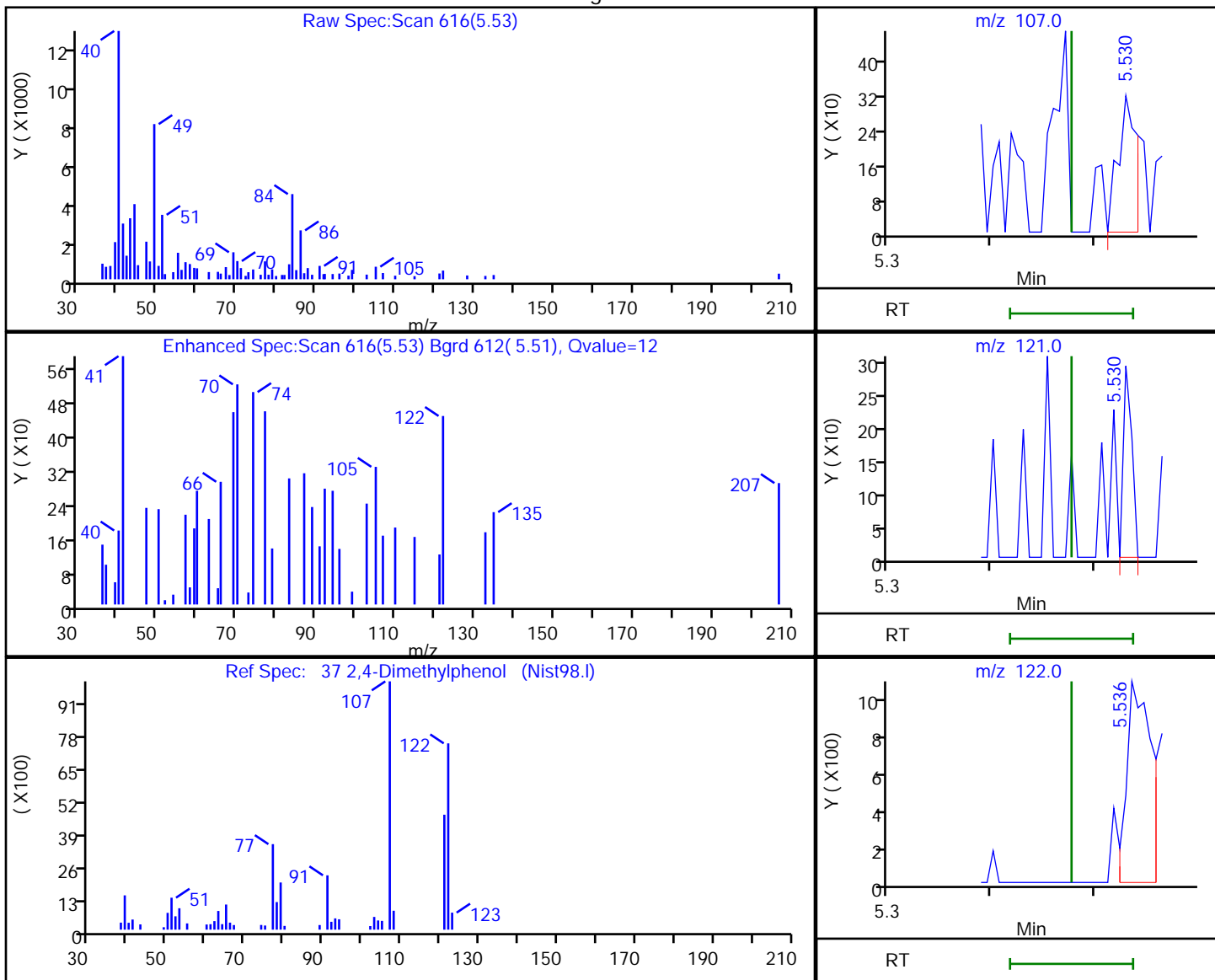
Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-Fluorophenol	1000.0	531.6	53.16
\$ 8 Phenol-d5	1000.0	373.1	37.31
\$ 9 Nitrobenzene-d5	1000.0	775.0	77.50
\$ 10 2-Fluorobiphenyl	1000.0	737.3	73.73
\$ 11 2,4,6-Tribromophenol	1000.0	848.0	84.80
\$ 12 Terphenyl-d14	1000.0	1135.6	113.56

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D
 Injection Date: 23-Mar-2022 23:31:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
 Client ID: ERH2800 (RHMW14-3)
 Operator ID: jcm ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

37 2,4-Dimethylphenol, CAS: 105-67-9

Processing Results



RT	Mass	Response	Amount
5.53	107.00	391	1.713429
5.53	121.00	168	
5.54	122.00	1684	

Reviewer: thaneeratw, 24-Mar-2022 18:22:55

Audit Action: Marked Compound Undetected

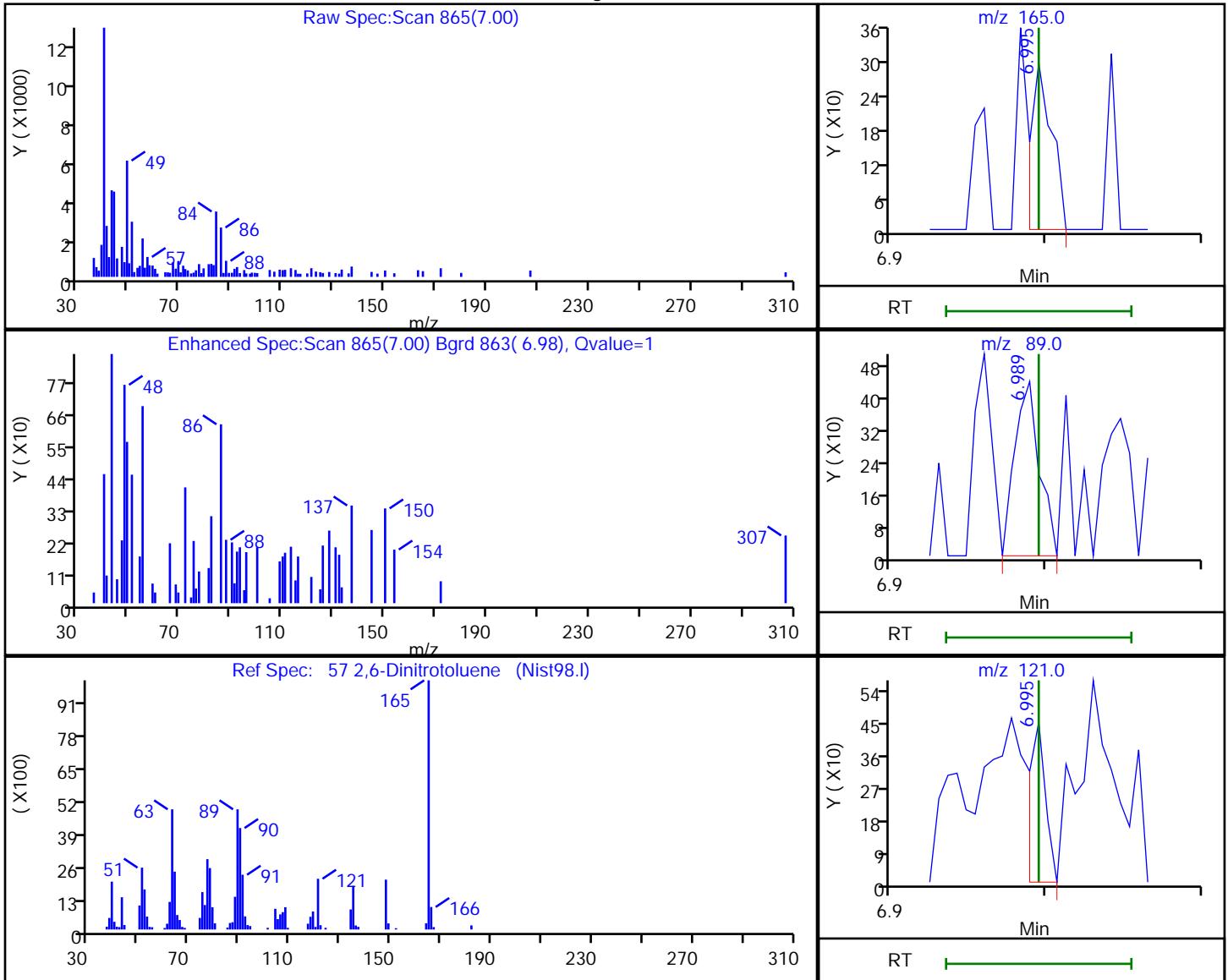
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D
Injection Date: 23-Mar-2022 23:31:30 Instrument ID: TAC040
Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
Client ID: ERH2800 (RHMW14-3)
Operator ID: jcm ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

57 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
7.00	165.00	278	17.881504
6.99	89.00	485	
7.00	121.00	328	

Reviewer: thaneeratw, 24-Mar-2022 18:23:31
Audit Action: Marked Compound Undetected

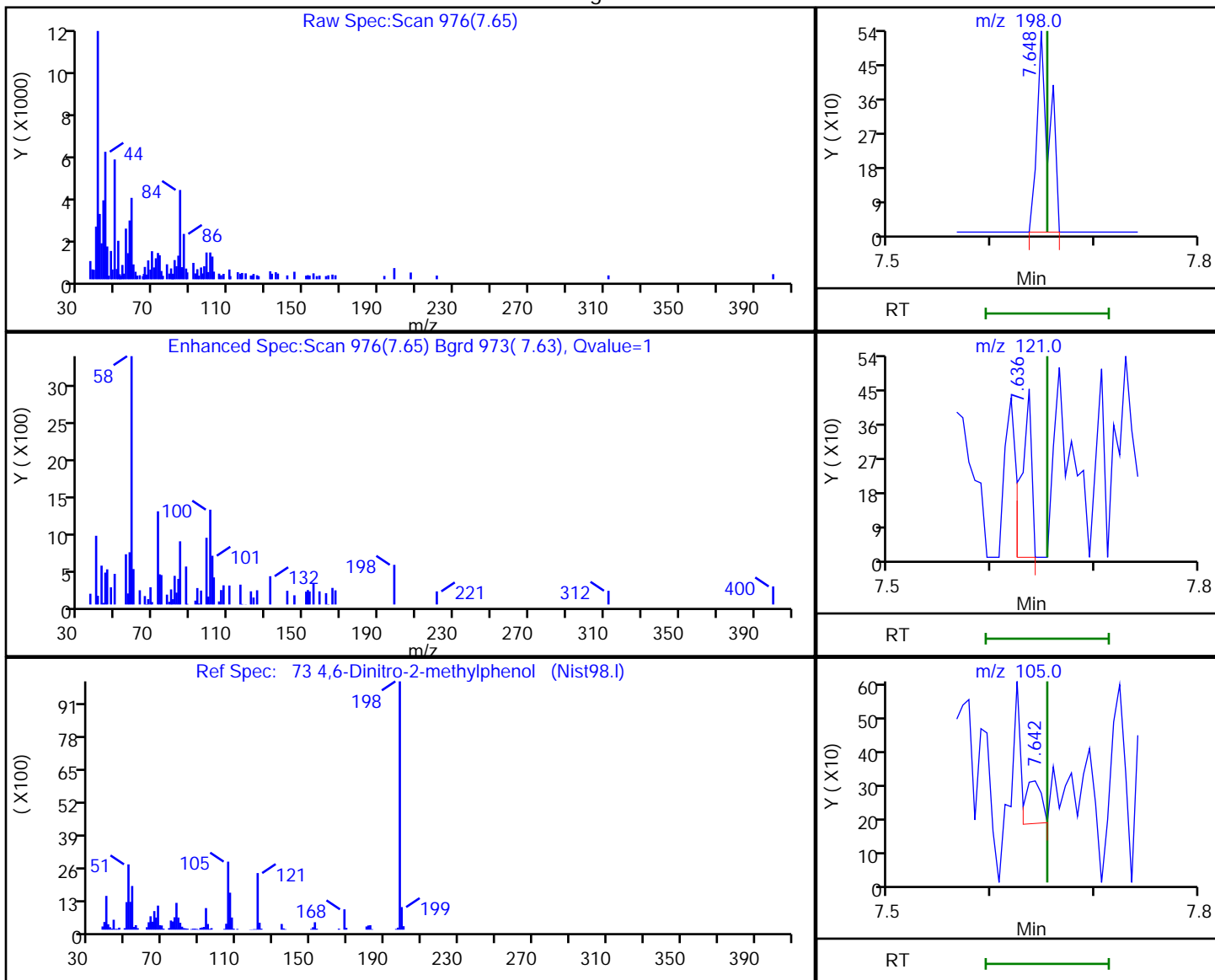
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D
 Injection Date: 23-Mar-2022 23:31:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
 Client ID: ERH2800 (RHMW14-3)
 Operator ID: jcm ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

73 4,6-Dinitro-2-methylphenol, CAS: 534-52-1

Processing Results



RT	Mass	Response	Amount
7.65	198.00	447	235.2721
7.64	121.00	310	
7.64	105.00	140	

Reviewer: thaneeratw, 24-Mar-2022 18:23:50
 Audit Action: Marked Compound Undetected

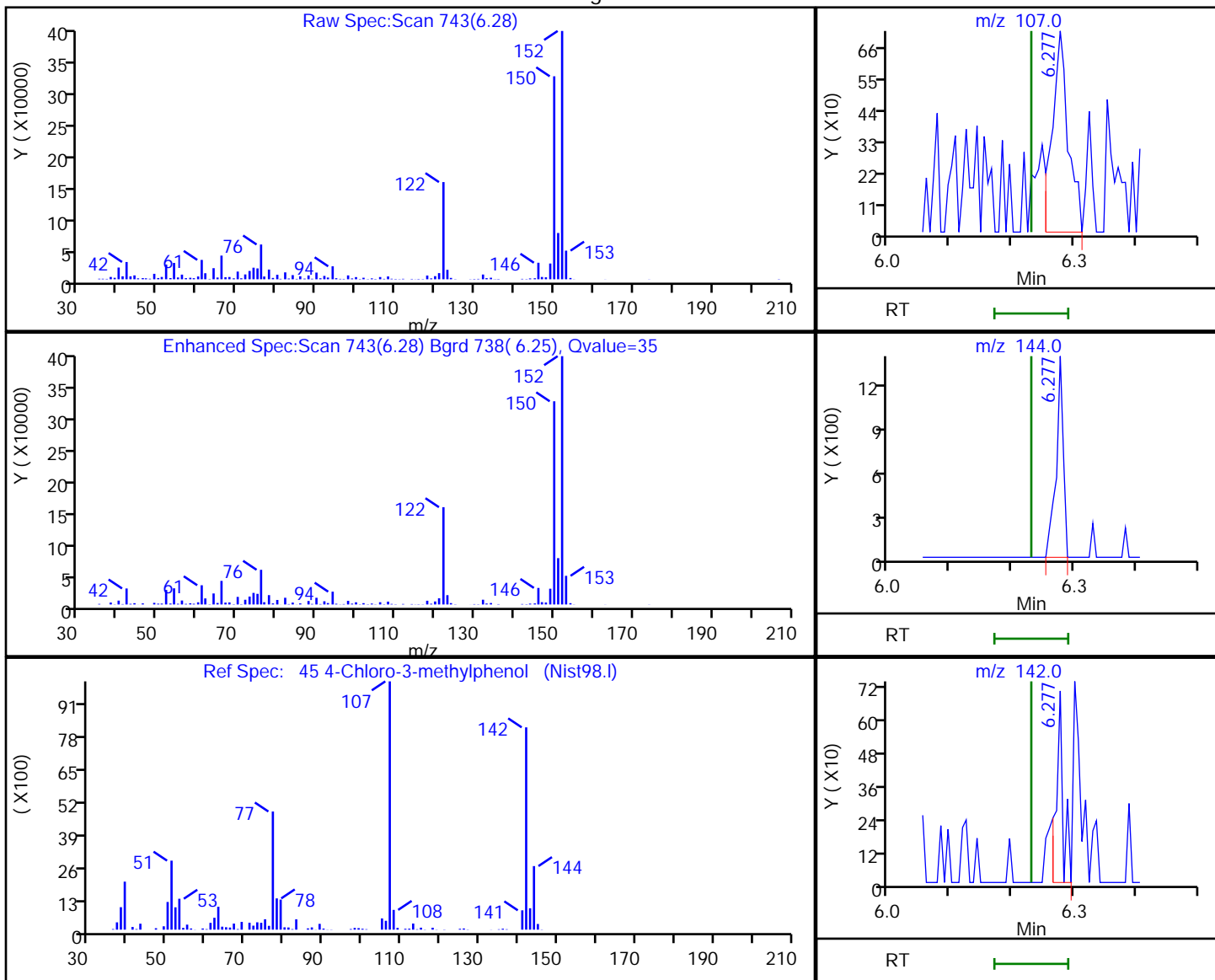
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D
 Injection Date: 23-Mar-2022 23:31:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
 Client ID: ERH2800 (RHMW14-3)
 Operator ID: jcm ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

45 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
6.28	107.00	1286	29.934017
6.28	144.00	1074	
6.28	142.00	532	

Reviewer: thaneeratw, 24-Mar-2022 18:23:09

Audit Action: Marked Compound Undetected

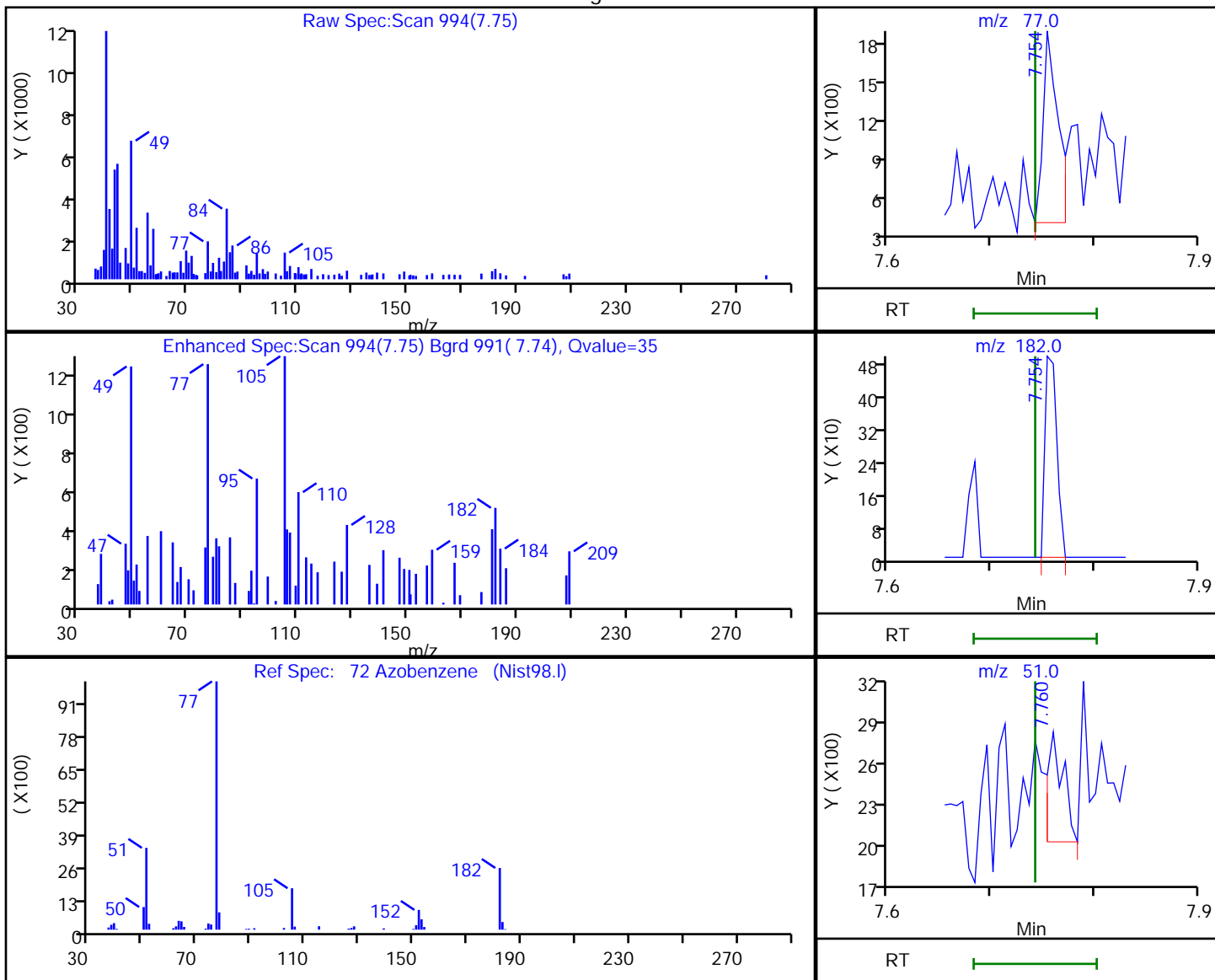
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D
 Injection Date: 23-Mar-2022 23:31:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
 Client ID: ERH2800 (RHMW14-3)
 Operator ID: jcm ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

72 Azobenzene, CAS: 103-33-3

Processing Results



RT	Mass	Response	Amount
7.75	77.00	1397	2.763994
7.75	182.00	401	
7.76	51.00	808	

Reviewer: thaneeratw, 24-Mar-2022 18:23:53

Audit Action: Marked Compound Undetected

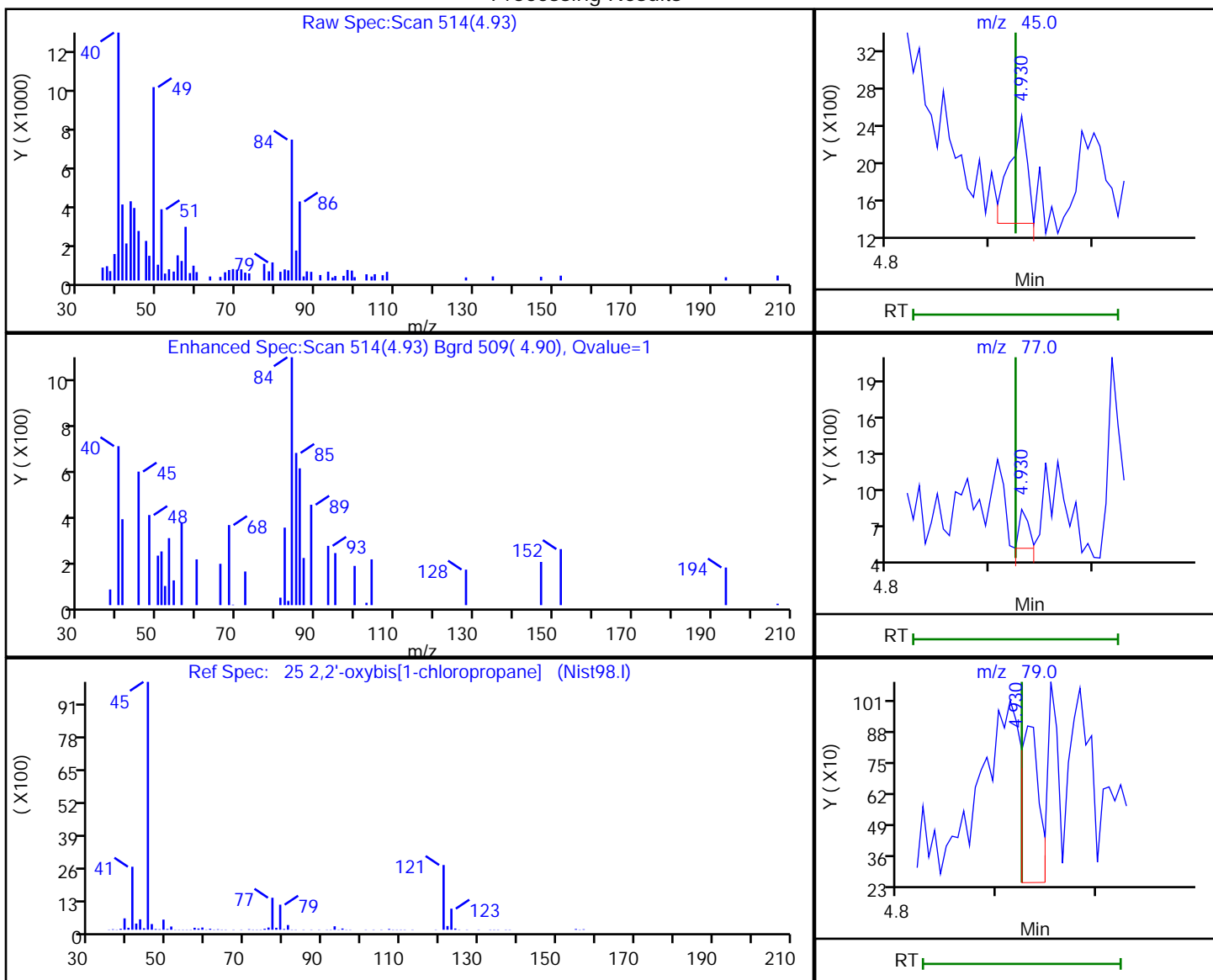
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D
 Injection Date: 23-Mar-2022 23:31:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
 Client ID: ERH2800 (RHMW14-3)
 Operator ID: jcm ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

25 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.93	45.00	1299	2.875347
4.93	77.00	203	
4.93	79.00	845	

Reviewer: thaneeratw, 24-Mar-2022 18:22:38

Audit Action: Marked Compound Undetected

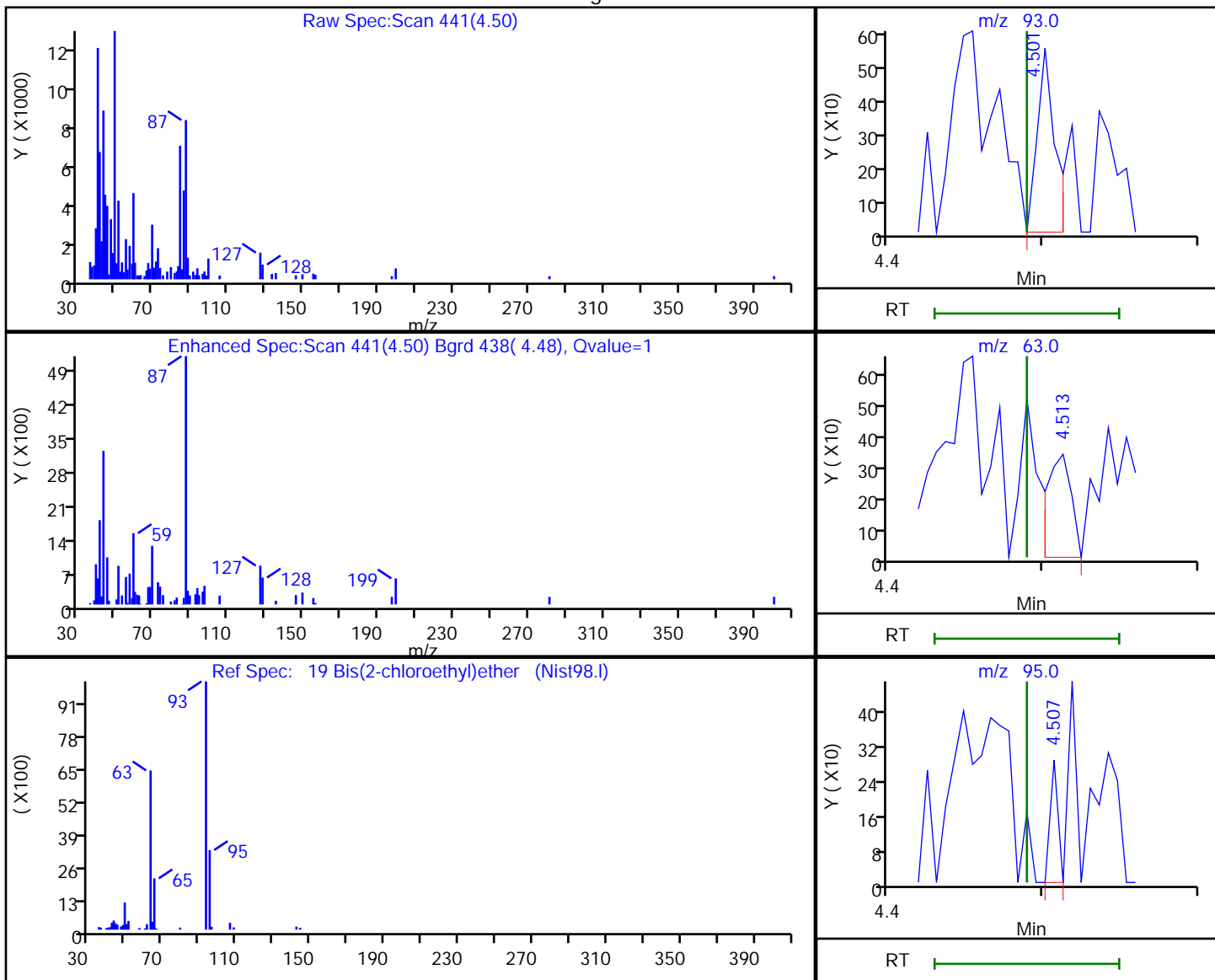
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D
 Injection Date: 23-Mar-2022 23:31:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
 Client ID: ERH2800 (RHMW14-3)
 Operator ID: jcm ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

19 Bis(2-chloroethyl)ether, CAS: 111-44-4

Processing Results



RT	Mass	Response	Amount
4.50	93.00	440	1.835041
4.51	63.00	366	
4.51	95.00	101	

Reviewer: thaneeratw, 24-Mar-2022 18:22:18

Audit Action: Marked Compound Undetected

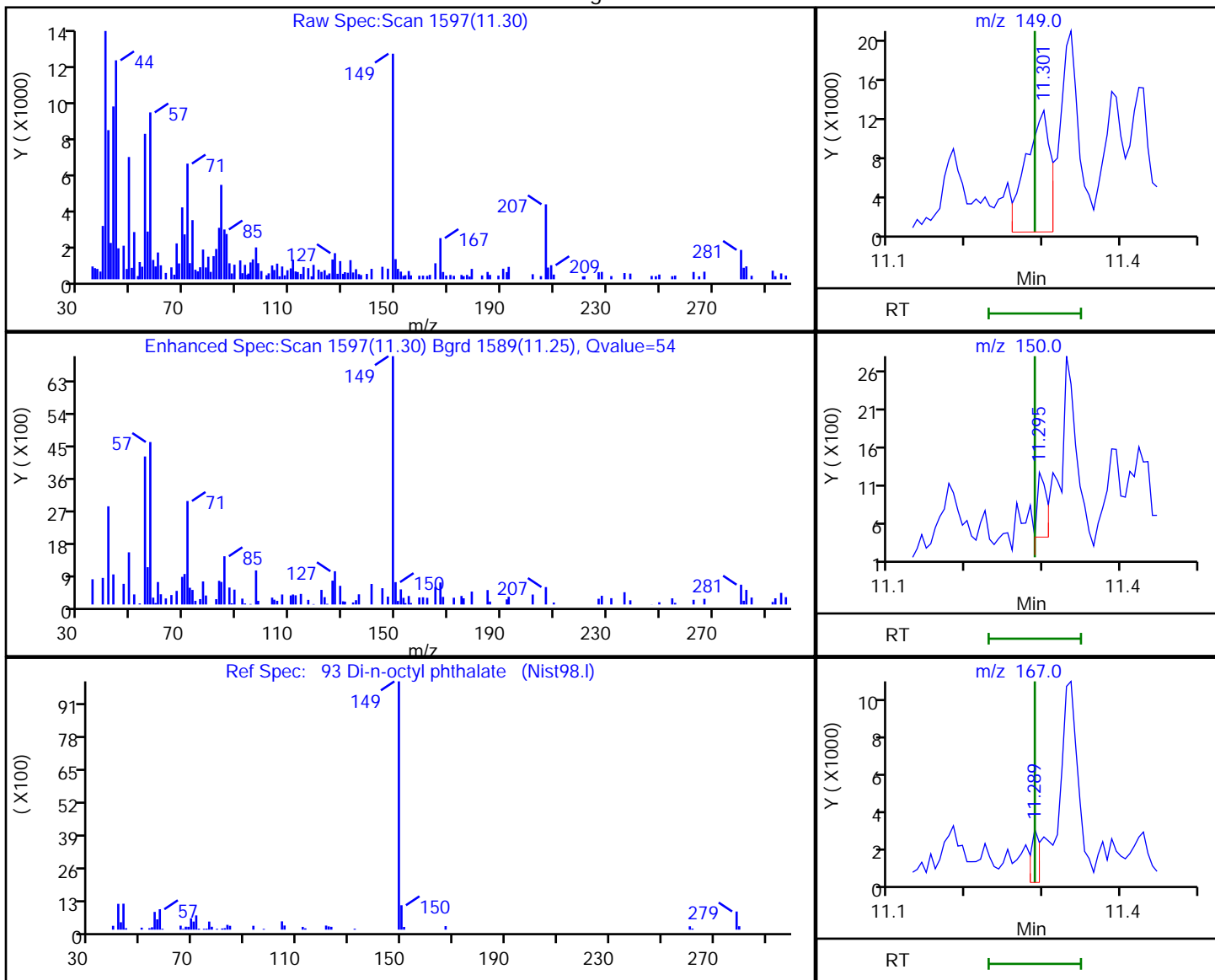
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D
 Injection Date: 23-Mar-2022 23:31:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
 Client ID: ERH2800 (RHMW14-3)
 Operator ID: jcm ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

93 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.30	149.00	26055	55.330988
11.29	150.00	682	
11.29	167.00	2120	

Reviewer: thaneeratw, 24-Mar-2022 18:24:28

Audit Action: Marked Compound Undetected

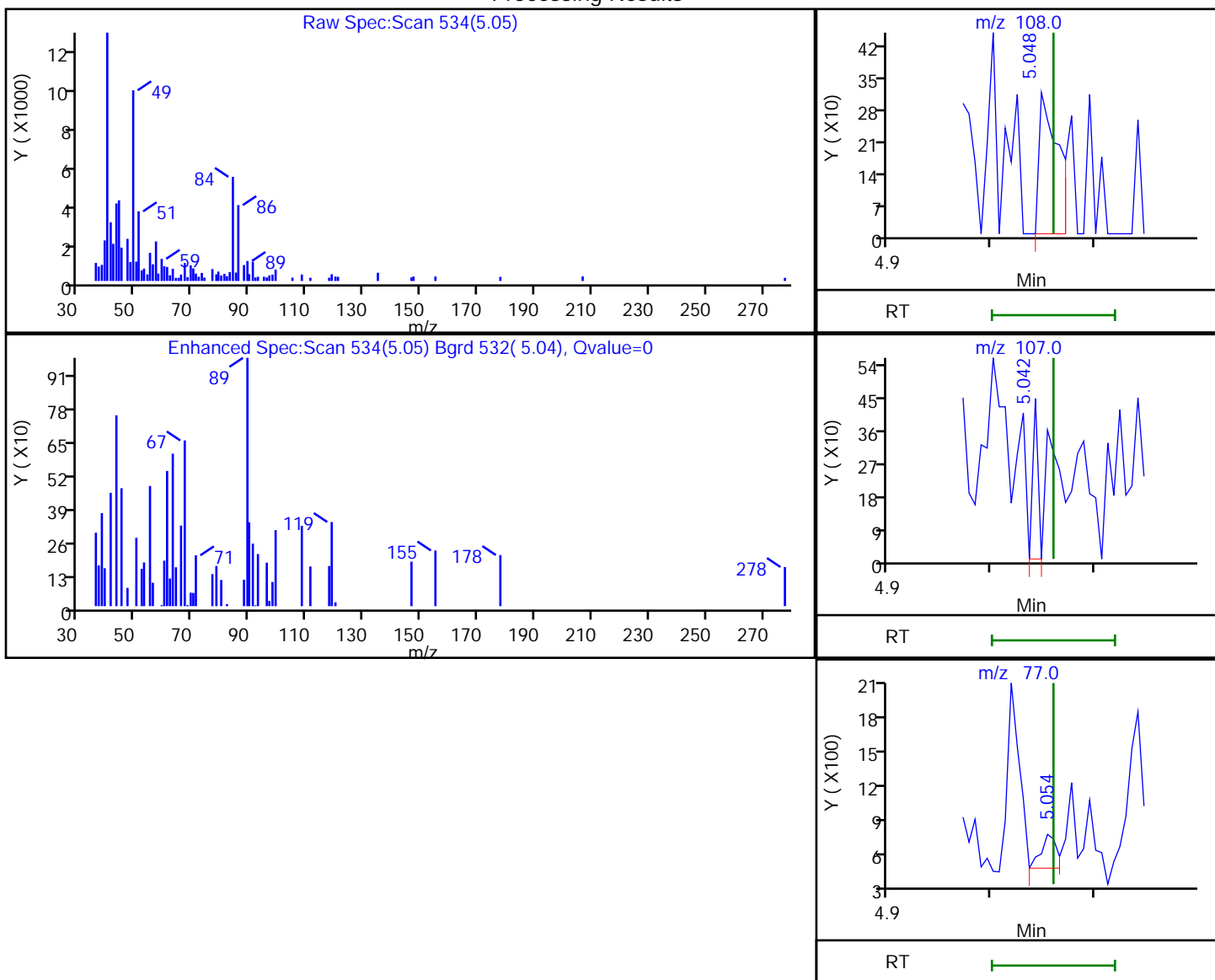
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D
 Injection Date: 23-Mar-2022 23:31:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
 Client ID: ERH2800 (RHMW14-3)
 Operator ID: jcm ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

32 3 & 4 Methylphenol, CAS: 15831-10-4

Processing Results



RT	Mass	Response	Amount
5.05	108.00	402	1.754680
5.04	107.00	156	
5.05	77.00	313	

Reviewer: thaneeratw, 24-Mar-2022 18:22:49

Audit Action: Marked Compound Undetected

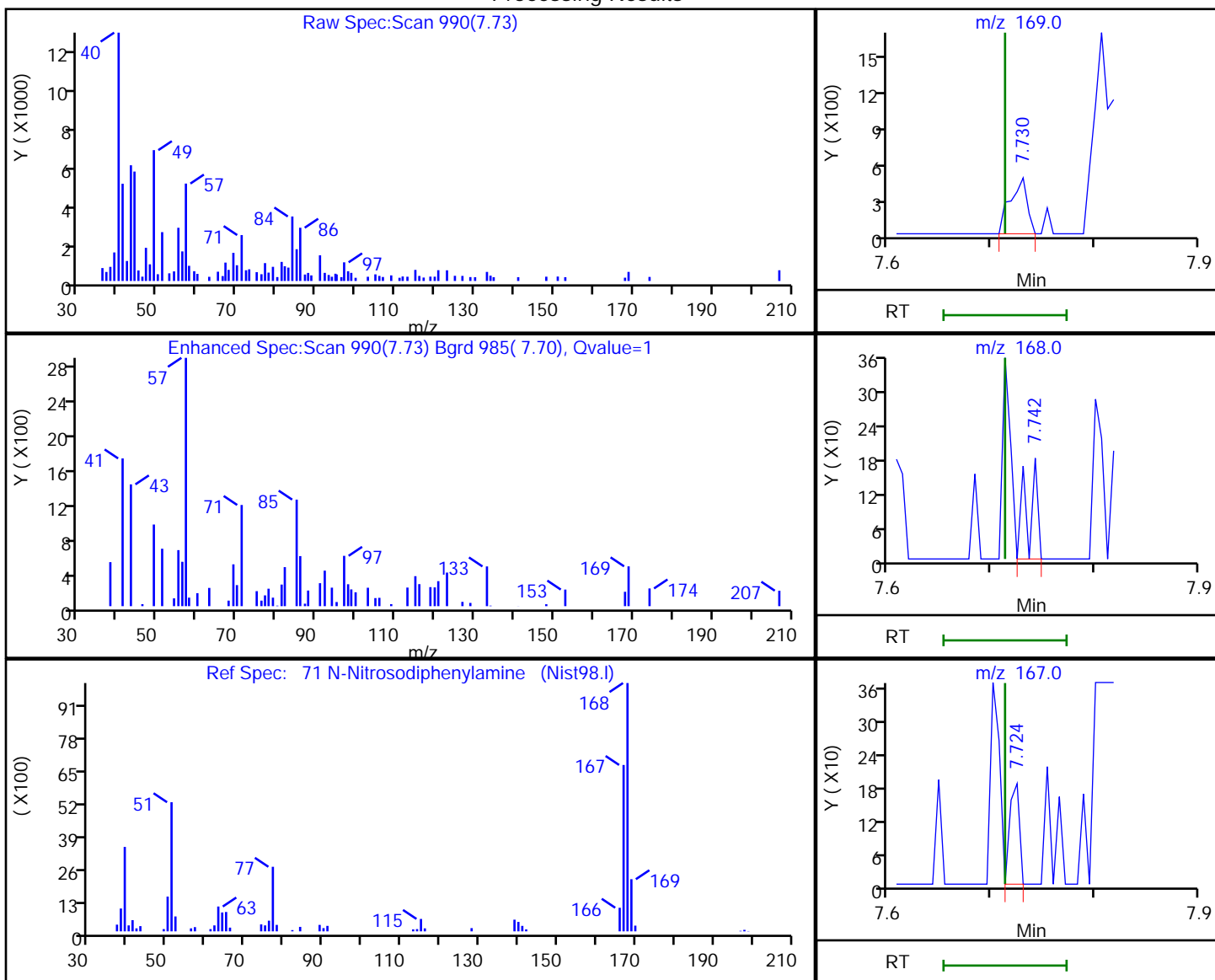
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D
 Injection Date: 23-Mar-2022 23:31:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
 Client ID: ERH2800 (RHMW14-3)
 Operator ID: jcm ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

71 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
7.73	169.00	523	1.977683
7.74	168.00	121	
7.72	167.00	119	

Reviewer: thaneeratw, 24-Mar-2022 18:23:51

Audit Action: Marked Compound Undetected

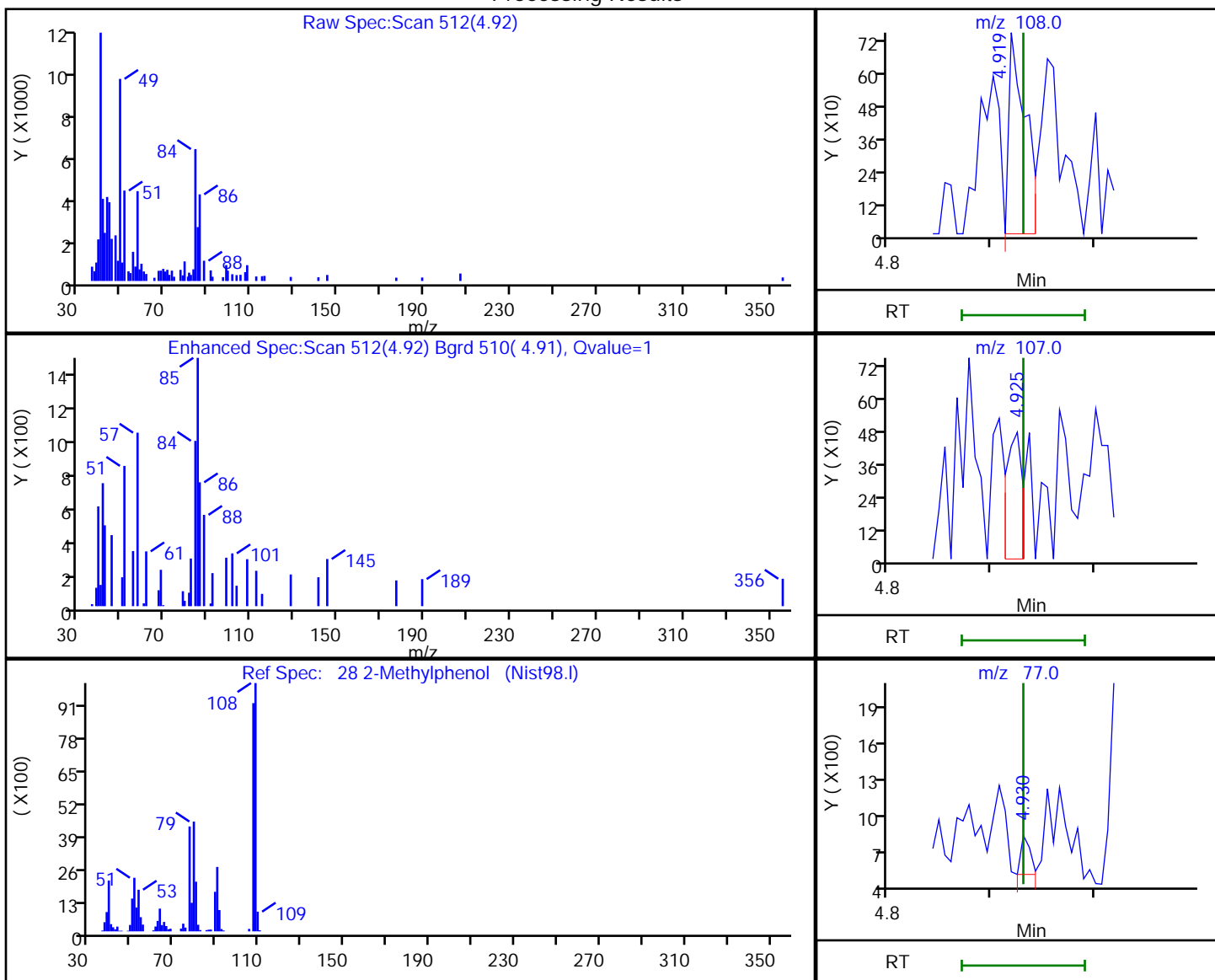
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D
 Injection Date: 23-Mar-2022 23:31:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
 Client ID: ERH2800 (RHMW14-3)
 Operator ID: jcm ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

28 2-Methylphenol, CAS: 95-48-7

Processing Results



RT	Mass	Response	Amount
4.92	108.00	843	3.645005
4.92	107.00	516	
4.93	77.00	203	

Reviewer: thaneeratw, 24-Mar-2022 18:22:40

Audit Action: Marked Compound Undetected

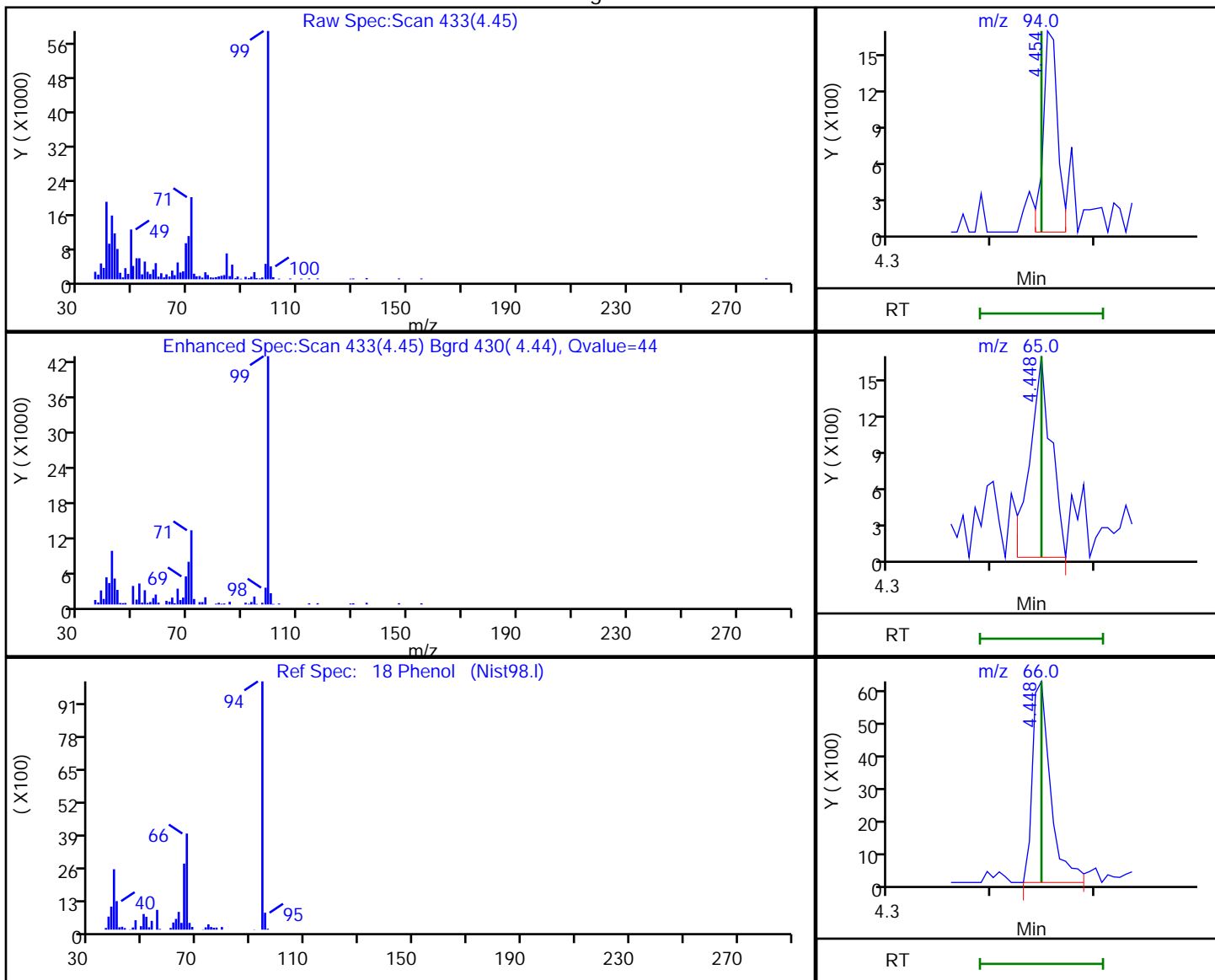
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D
 Injection Date: 23-Mar-2022 23:31:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
 Client ID: ERH2800 (RHMW14-3)
 Operator ID: jcm ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

18 Phenol, CAS: 108-95-2

Processing Results



RT	Mass	Response	Amount
4.45	94.00	1680	5.044898
4.45	65.00	2346	
4.45	66.00	7690	

Reviewer: thaneeratw, 24-Mar-2022 18:22:11

Audit Action: Marked Compound Undetected

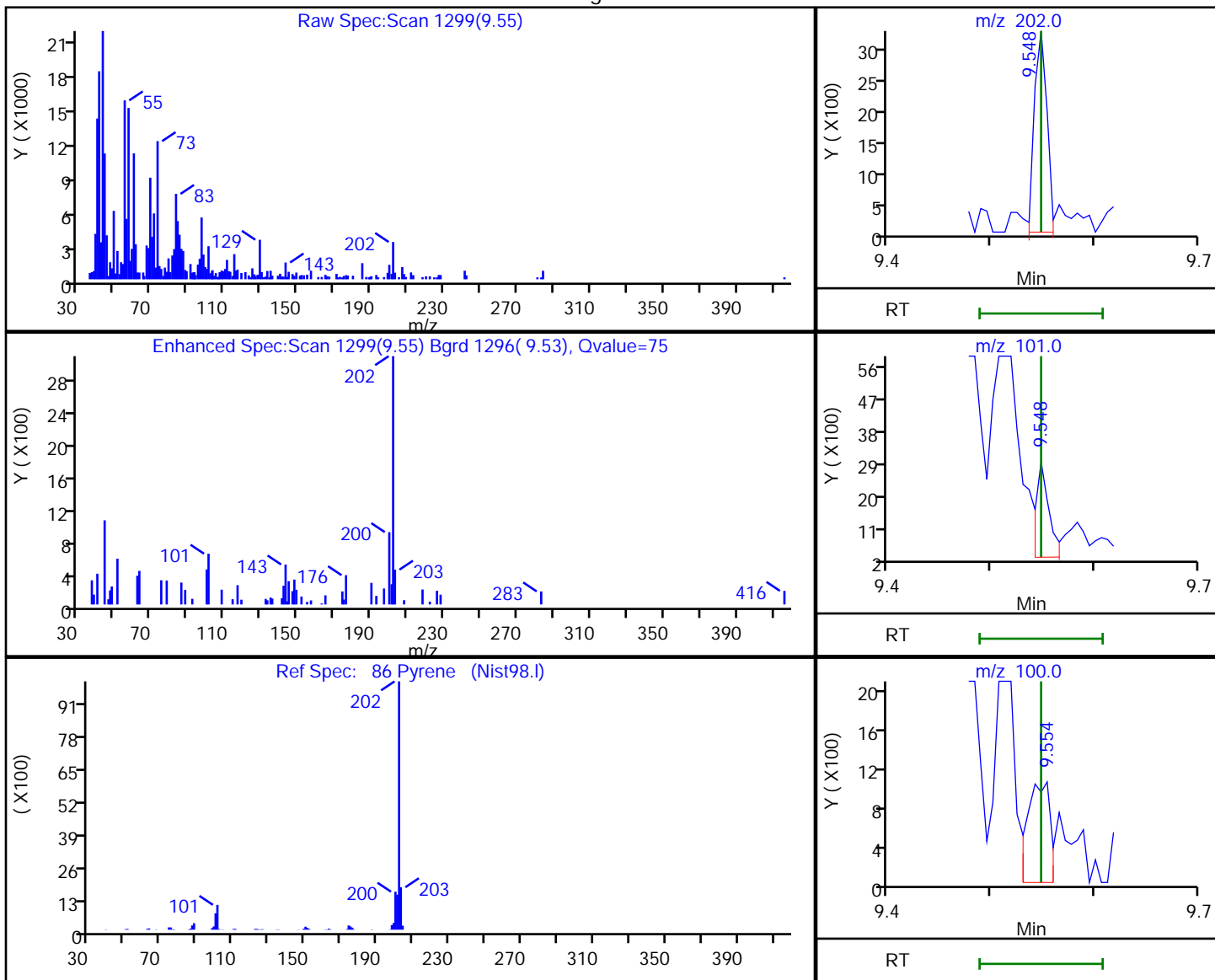
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a031.D
 Injection Date: 23-Mar-2022 23:31:30 Instrument ID: TAC040
 Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
 Client ID: ERH2800 (RHMW14-3)
 Operator ID: jcm ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

86 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
9.55	202.00	2827	4.657854
9.55	101.00	2331	
9.55	100.00	1573	

Reviewer: thaneeratw, 24-Mar-2022 18:24:18

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2821 (RHMW16) Lab Sample ID: 580-111436-9
 Matrix: Water Lab File ID: 40Scan032322a032.D
 Analysis Method: 8270E Date Collected: 03/15/2022 10:40
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 993.5 (mL) Date Analyzed: 03/23/2022 23:54
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384865 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U	0.40	0.30	0.091
95-50-1	1,2-Dichlorobenzene	0.15	U	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.091	U Q	0.40	0.091	0.040
106-46-7	1,4-Dichlorobenzene	0.091	U	0.40	0.091	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U Q	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U M	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.070
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U Q	1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	0.60	U Q	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U Q	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U M	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.60	0.15	0.050
100-02-7	4-Nitrophenol	6.0	U Q	10	6.0	1.7
103-33-3	Azobenzene	0.15	U M	2.0	0.15	0.060
108-60-1	bis (2-chloroisopropyl) ether	0.15	U	0.25	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.091	U M	0.10	0.091	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U Q	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.30	U	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.091	U	0.60	0.091	0.040
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U M Q	1.0	0.15	0.050

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2821 (RHMW16) Lab Sample ID: 580-111436-9
 Matrix: Water Lab File ID: 40Scan032322a032.D
 Analysis Method: 8270E Date Collected: 03/15/2022 10:40
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 993.5 (mL) Date Analyzed: 03/23/2022 23:54
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384865 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U M	0.60	0.30	0.10
98-95-3	Nitrobenzene	0.091	U	1.0	0.091	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.091	U M	0.40	0.091	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.070
95-48-7	o-Cresol	0.15	U M	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U Q	10	1.0	0.51
108-95-2	Phenol	0.60	U M	1.0	0.60	0.36
129-00-0	Pyrene	0.091	U M	1.0	0.091	0.040
110-86-1	Pyridine	3.2	U Q	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	81		43-140
321-60-8	2-Fluorobiphenyl	78		44-119
367-12-4	2-Fluorophenol (Surr)	55		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	78		44-120
4165-62-2	Phenol-d5 (Surr)	42		10-120
1718-51-0	Terphenyl-d14	113		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a032.D
 Lims ID: 580-111436-A-9-A
 Client ID: ERH2821 (RHMW16)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 23:54:30 ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-A-9-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 18:30:27 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw

Date: 24-Mar-2022 18:30:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	95	17839	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	97	67865	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	92	29424	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	95	50991	100.0	
* 5 Chrysene-d12	240	10.571	10.571	0.000	94	50750	100.0	
* 6 Perylene-d12	264	12.089	12.083	0.006	95	62797	100.0	
\$ 7 2-Fluorophenol	112	3.659	3.718	0.005	93	130195	550.1	
\$ 8 Phenol-d5	99	4.448	4.466	0.006	0	118619	415.1	
\$ 9 Nitrobenzene-d5	82	5.136	5.148	-0.006	94	213463	775.2	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	99	305734	781.6	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	96	71982	808.9	
\$ 12 Terphenyl-d14	244	9.689	9.689	0.000	96	457437	1132.9	
26 Cyclohexanone	55	4.524	4.589	-0.018	1	478	NC	
21 n-Decane	57	4.566	4.572	-0.006	69	29490	83.6	
55 Dimethyl phthalate	163	6.954	6.954	0.000	70	3462	9.60	
66 Diethyl phthalate	149	7.530	7.530	0.000	60	2096	5.42	
79 Phenanthrene	178	8.389	8.389	0.000	1	874	1.57	
82 2,3-Dichlorobenzeneamine	161	8.495	8.477	0.018	1	56	NC	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	92	27107	39.1	
88 Nonylphenol	135	9.724	9.736	-0.012	0	341	NC	
87 Butyl benzyl phthalate	149	10.101	10.107	-0.006	71	5523	18.1	
92 Bis(2-ethylhexyl) phthalate	149	10.624	10.630	-0.006	95	83163	196.4	
121 DFTPP								

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

MeCl2_CT_00216

Amount Added: 1.00

Units: mL

Run Reagent

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a032.D

Injection Date: 23-Mar-2022 23:54:30

Instrument ID: TAC040

Lims ID: 580-111436-A-9-A

Lab Sample ID: 580-111436-9

Client ID: ERH2821 (RHMW16)

Operator ID: jcm

ALS Bottle#: 28

Worklist Smp#: 28

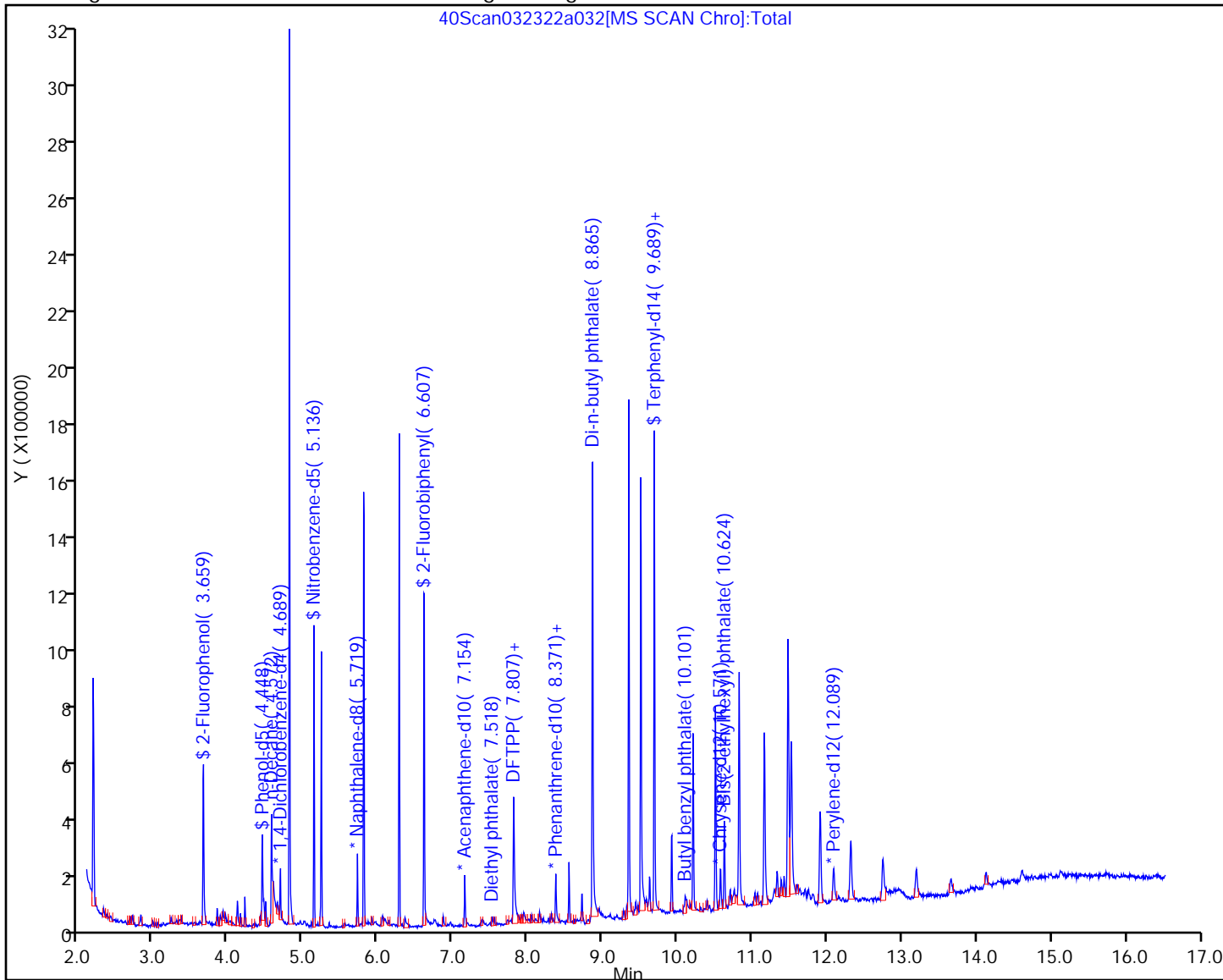
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a032.D
 Lims ID: 580-111436-A-9-A
 Client ID: ERH2821 (RHMW16)
 Sample Type: Client
 Inject. Date: 23-Mar-2022 23:54:30 ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-A-9-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 18:30:27 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw

Date: 24-Mar-2022 18:30:27

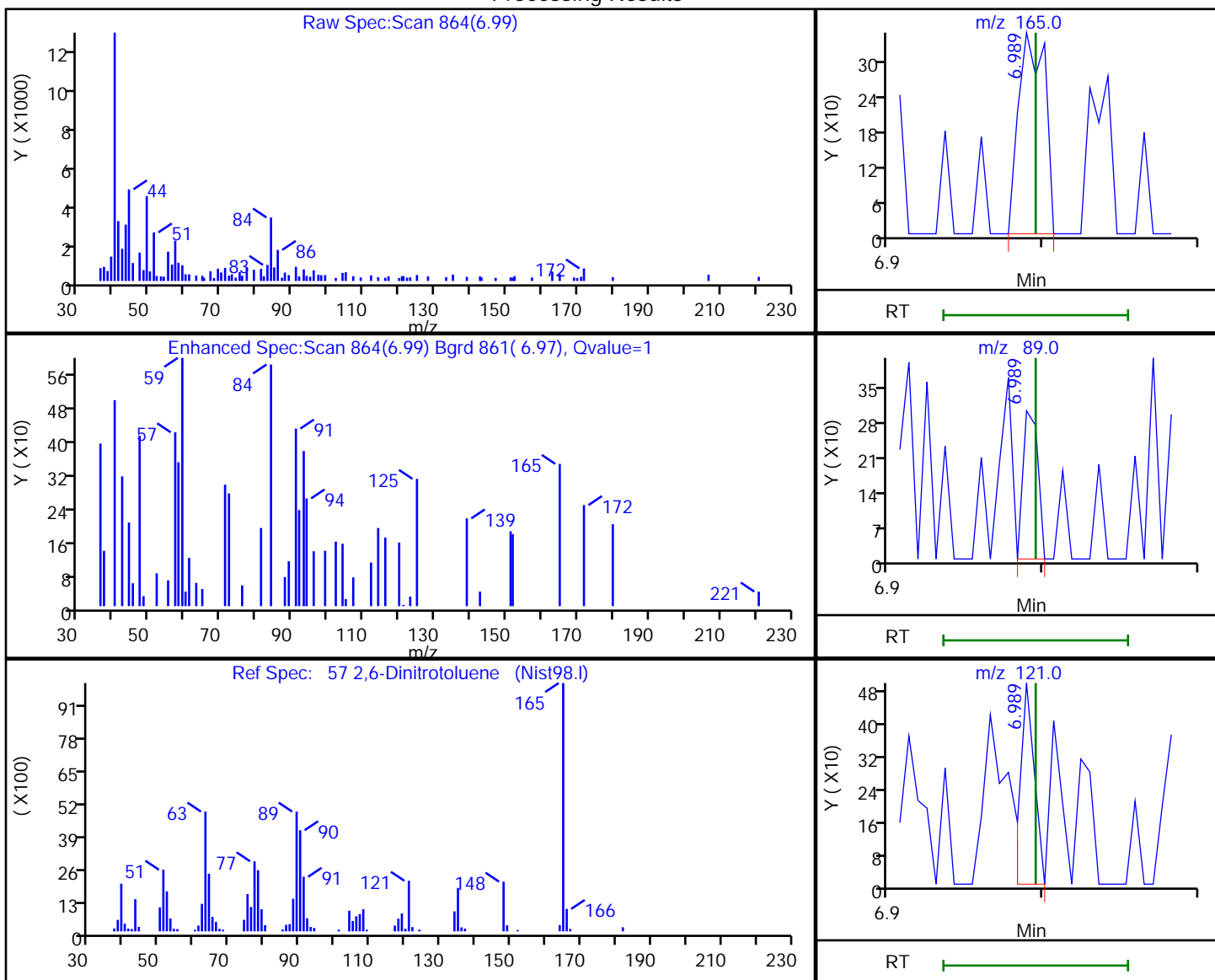
Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-Fluorophenol	1000.0	550.1	55.01
\$ 8 Phenol-d5	1000.0	415.1	41.51
\$ 9 Nitrobenzene-d5	1000.0	775.2	77.52
\$ 10 2-Fluorobiphenyl	1000.0	781.6	78.16
\$ 11 2,4,6-Tribromophenol	1000.0	808.9	80.89
\$ 12 Terphenyl-d14	1000.0	1132.9	113.29

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a032.D
 Injection Date: 23-Mar-2022 23:54:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
 Client ID: ERH2821 (RHMW16)
 Operator ID: jcm ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

57 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
6.99	165.00	403	19.243016
6.99	89.00	203	
6.99	121.00	314	

Reviewer: thaneeratw, 24-Mar-2022 18:26:58

Audit Action: Marked Compound Undetected

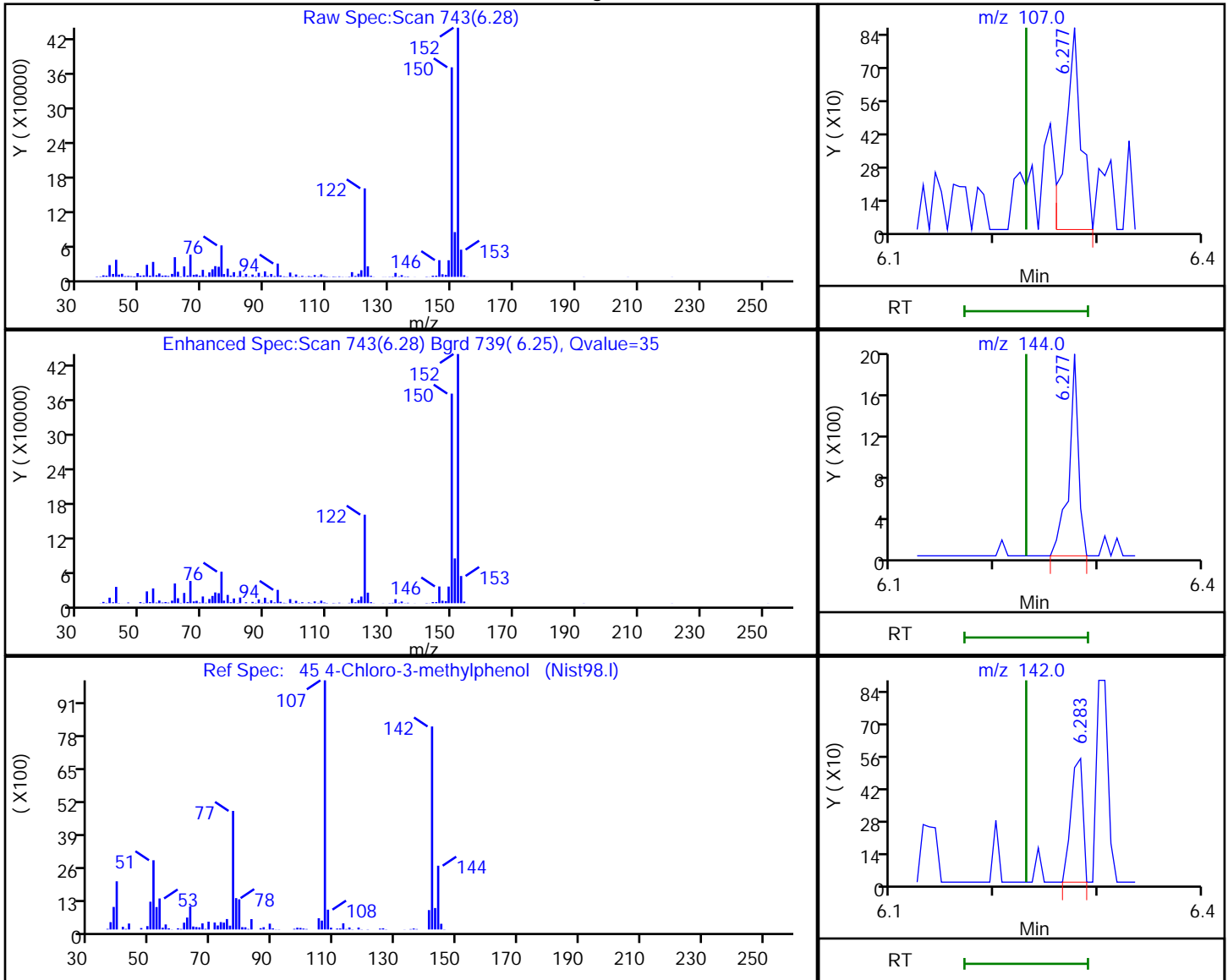
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a032.D
 Injection Date: 23-Mar-2022 23:54:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
 Client ID: ERH2821 (RHMW16)
 Operator ID: jcm ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

45 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
6.28	107.00	880	26.987656
6.28	144.00	1261	
6.28	142.00	433	

Reviewer: thaneeratw, 24-Mar-2022 18:26:30
 Audit Action: Marked Compound Undetected

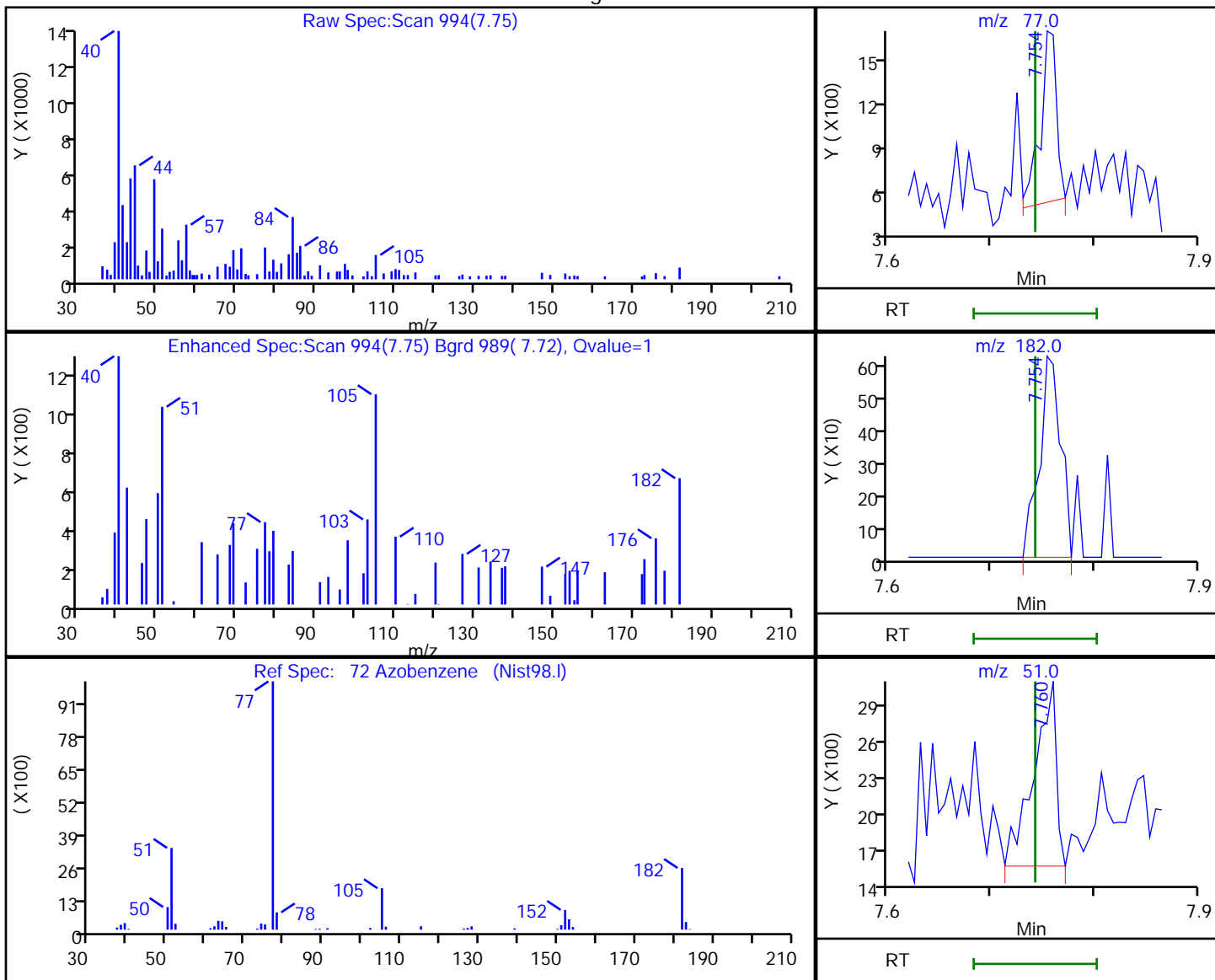
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a032.D
 Injection Date: 23-Mar-2022 23:54:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
 Client ID: ERH2821 (RHMW16)
 Operator ID: jcm ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

72 Azobenzene, CAS: 103-33-3

Processing Results



RT	Mass	Response	Amount
7.75	77.00	1228	2.397748
7.75	182.00	899	
7.76	51.00	2233	

Reviewer: thaneeratw, 24-Mar-2022 18:27:32

Audit Action: Marked Compound Undetected

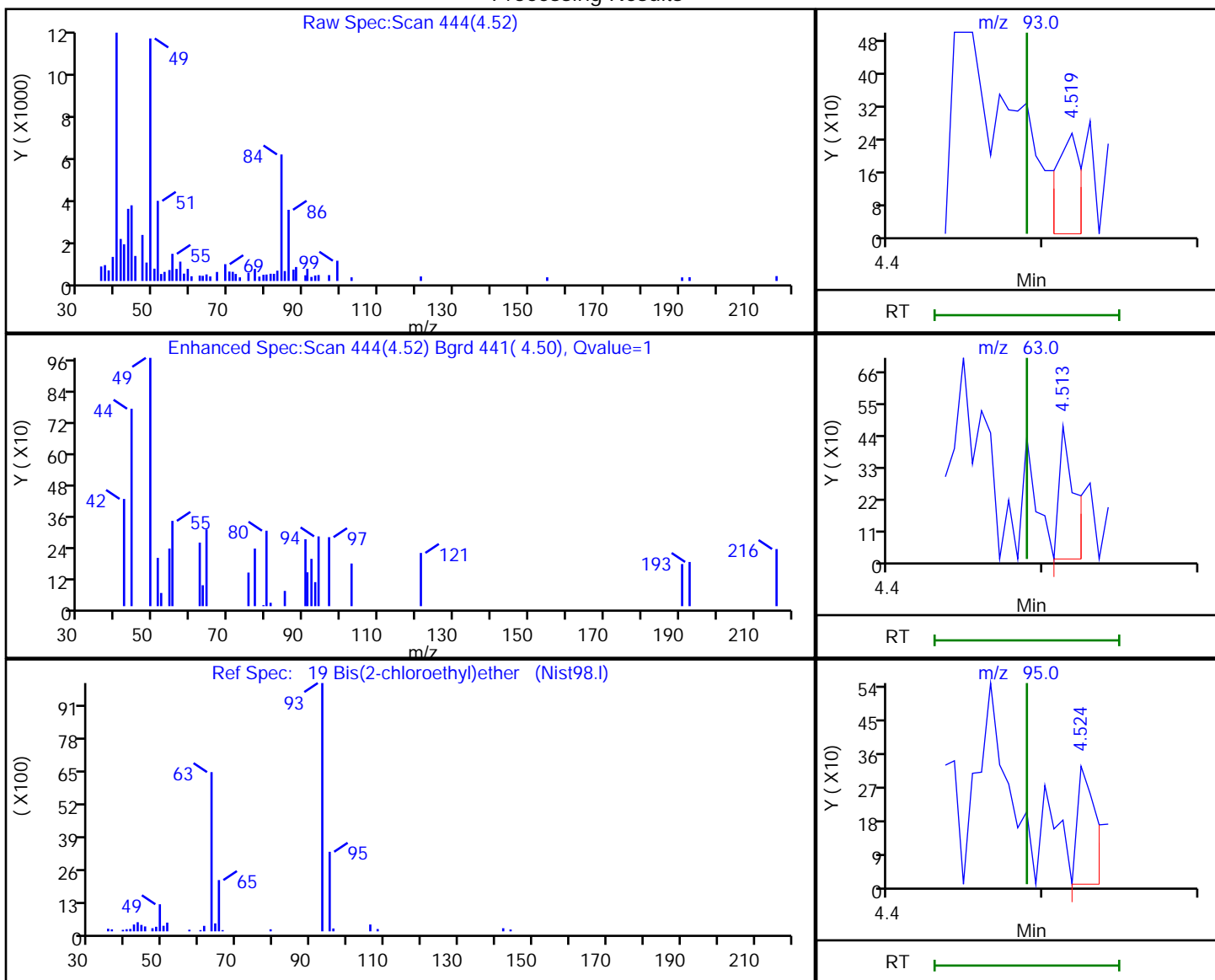
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a032.D
 Injection Date: 23-Mar-2022 23:54:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
 Client ID: ERH2821 (RHMW16)
 Operator ID: jcm ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

19 Bis(2-chloroethyl)ether, CAS: 111-44-4

Processing Results



RT	Mass	Response	Amount
4.52	93.00	272	1.166057
4.51	63.00	325	
4.52	95.00	256	

Reviewer: thaneeratw, 24-Mar-2022 18:25:31

Audit Action: Marked Compound Undetected

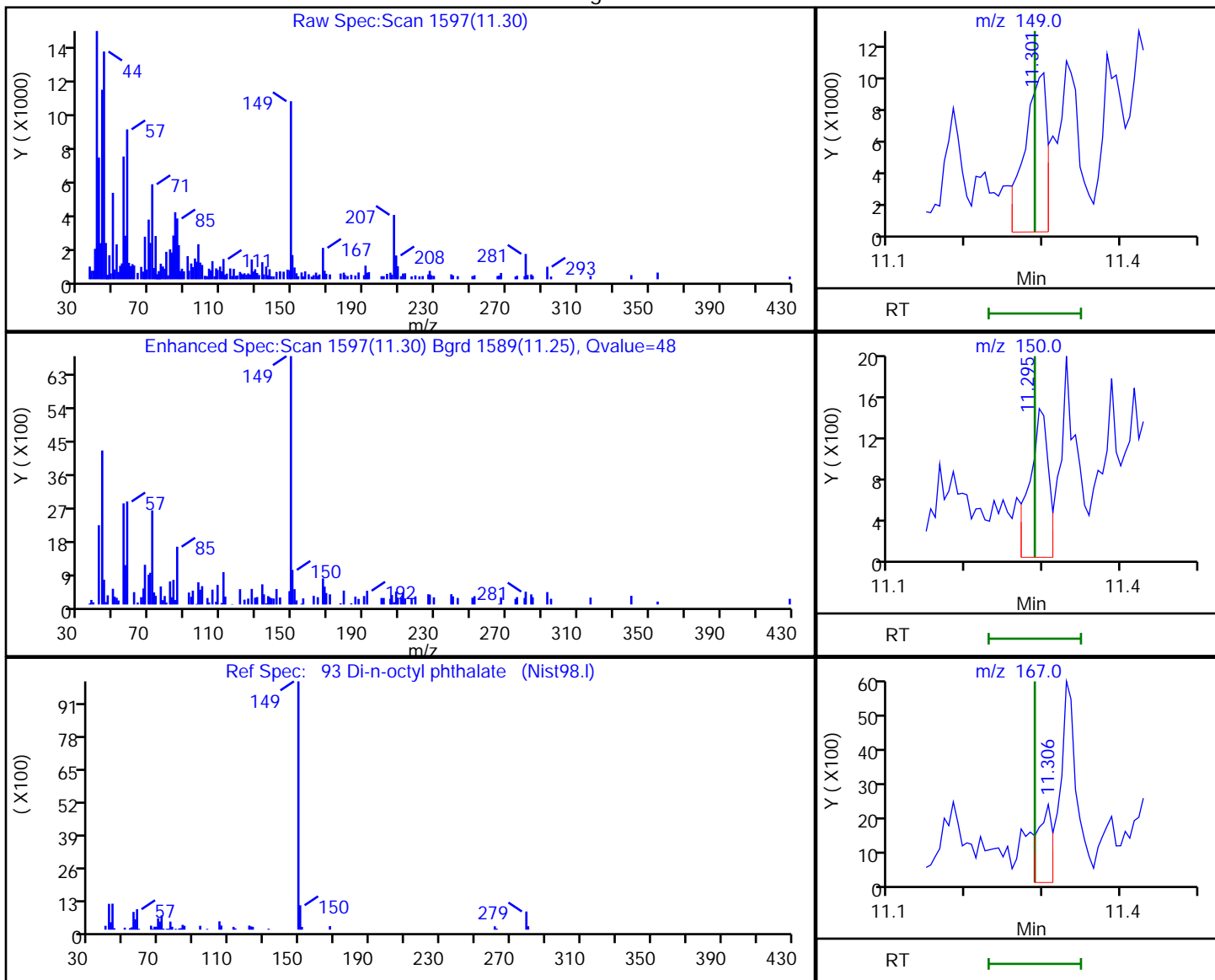
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a032.D
 Injection Date: 23-Mar-2022 23:54:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
 Client ID: ERH2821 (RHMW16)
 Operator ID: jcm ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

93 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.30	149.00	19333	46.871901
11.29	150.00	2457	
11.31	167.00	3035	

Reviewer: thaneeratw, 24-Mar-2022 18:29:17

Audit Action: Marked Compound Undetected

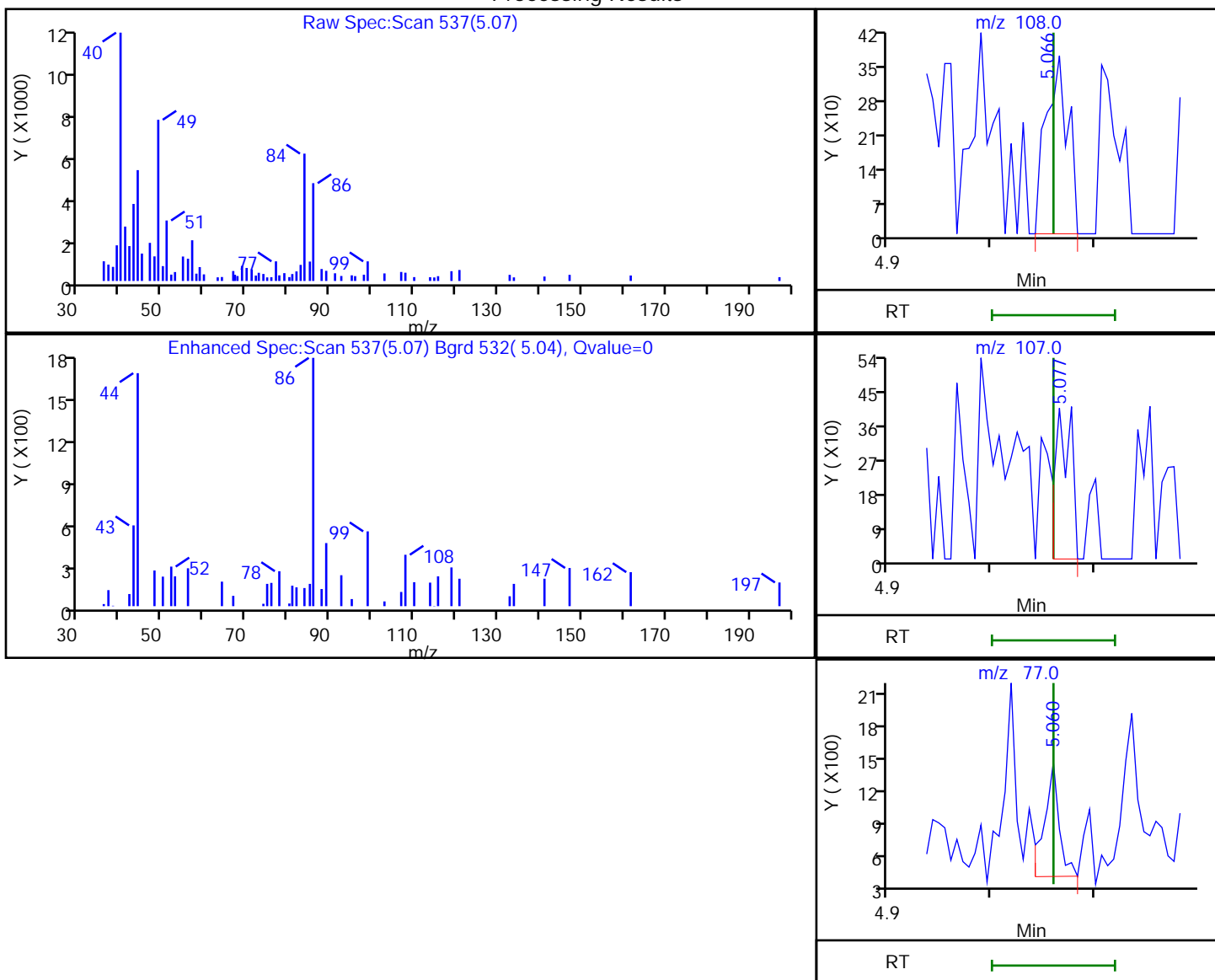
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a032.D
 Injection Date: 23-Mar-2022 23:54:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
 Client ID: ERH2821 (RHMW16)
 Operator ID: jcm ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

32 3 & 4 Methylphenol, CAS: 15831-10-4

Processing Results



RT	Mass	Response	Amount
5.07	108.00	549	2.463214
5.08	107.00	431	
5.06	77.00	1005	

Reviewer: thaneeratw, 24-Mar-2022 18:26:11

Audit Action: Marked Compound Undetected

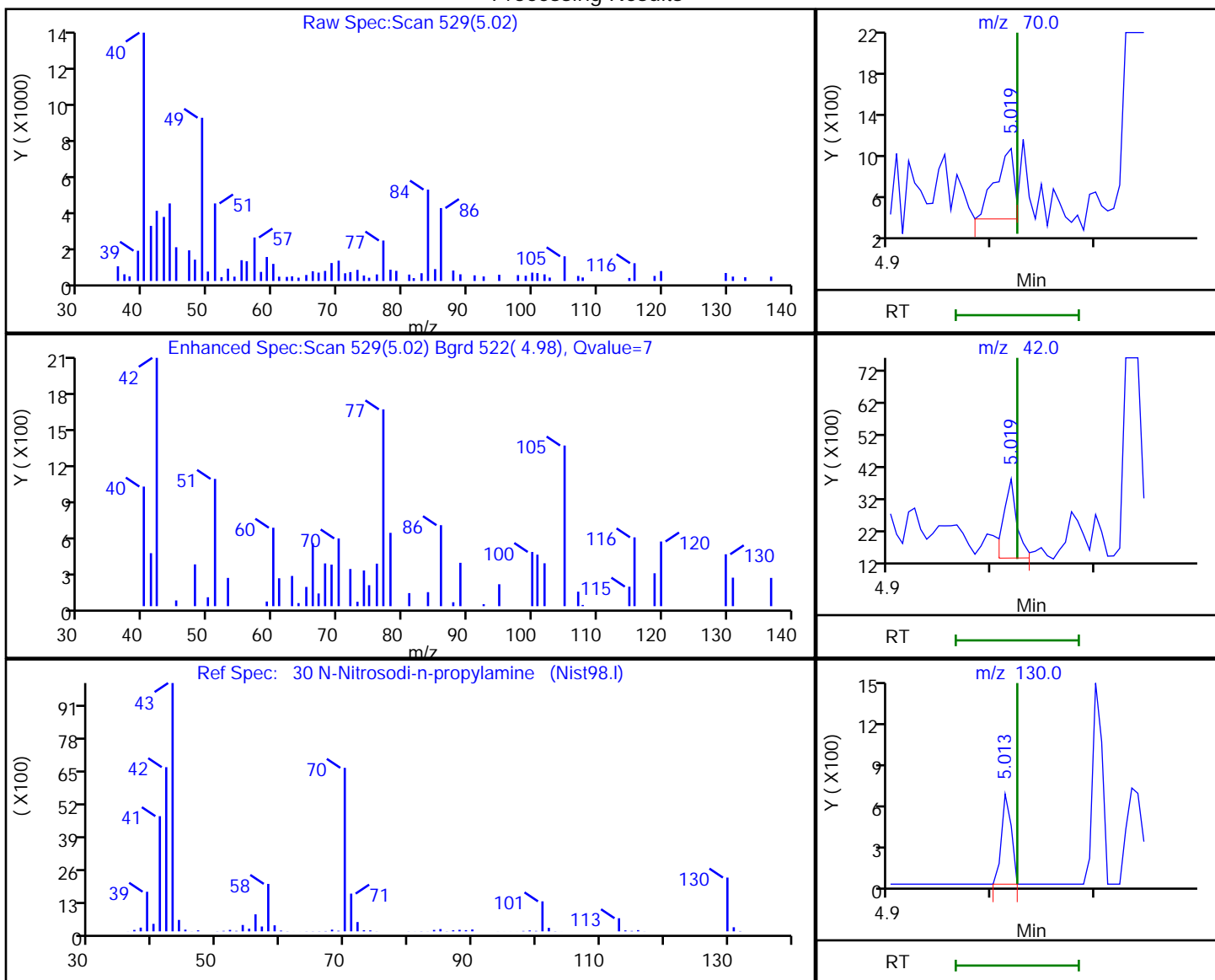
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a032.D
 Injection Date: 23-Mar-2022 23:54:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
 Client ID: ERH2821 (RHMW16)
 Operator ID: jcm ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

30 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Processing Results



RT	Mass	Response	Amount
5.02	70.00	842	3.997897
5.02	42.00	2177	
5.01	130.00	435	

Reviewer: thaneeratw, 24-Mar-2022 18:26:02

Audit Action: Marked Compound Undetected

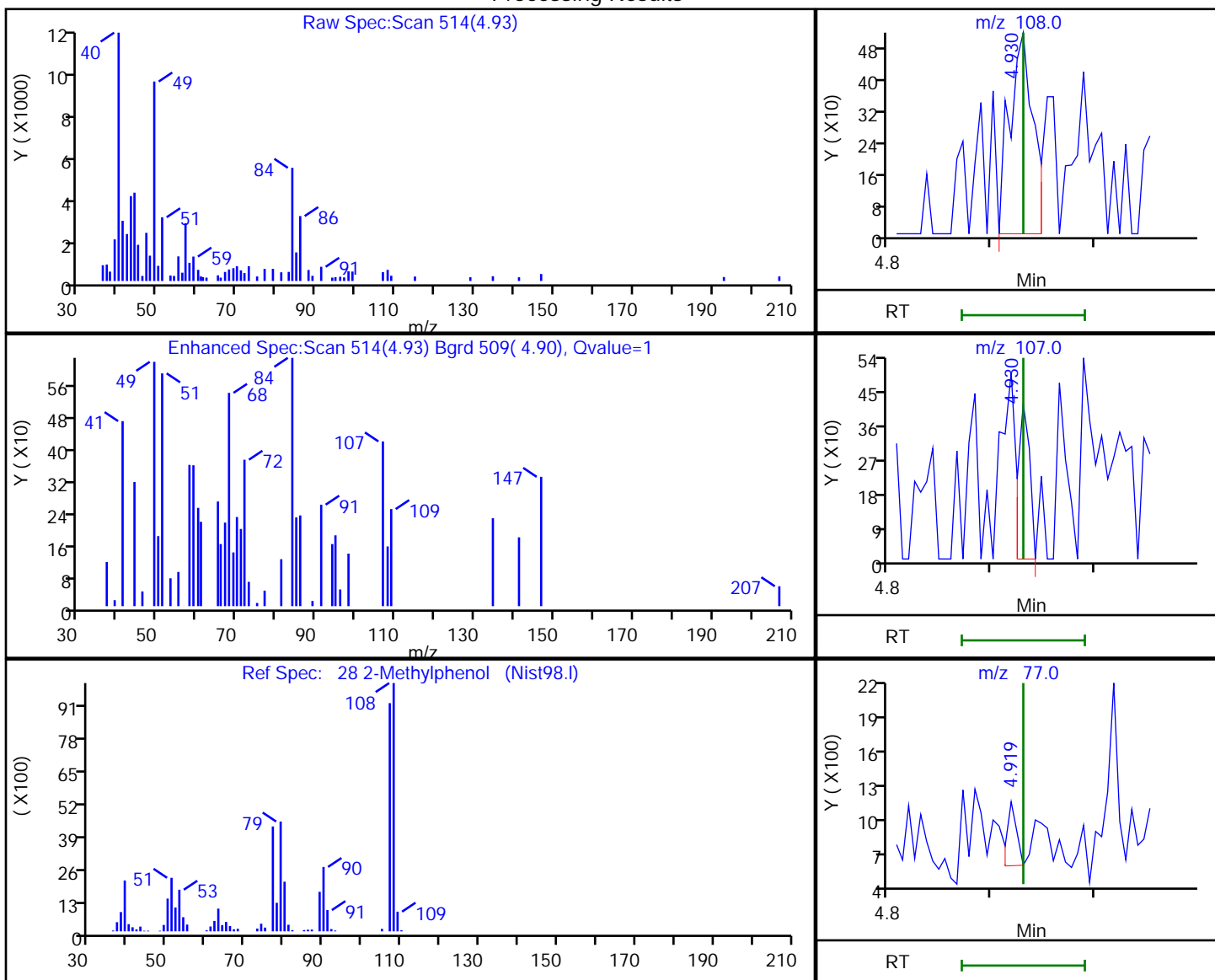
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a032.D
 Injection Date: 23-Mar-2022 23:54:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
 Client ID: ERH2821 (RHMW16)
 Operator ID: jcm ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

28 2-Methylphenol, CAS: 95-48-7

Processing Results



RT	Mass	Response	Amount
4.93	108.00	829	3.684536
4.93	107.00	326	
4.92	77.00	359	

Reviewer: thaneeratw, 24-Mar-2022 18:26:05

Audit Action: Marked Compound Undetected

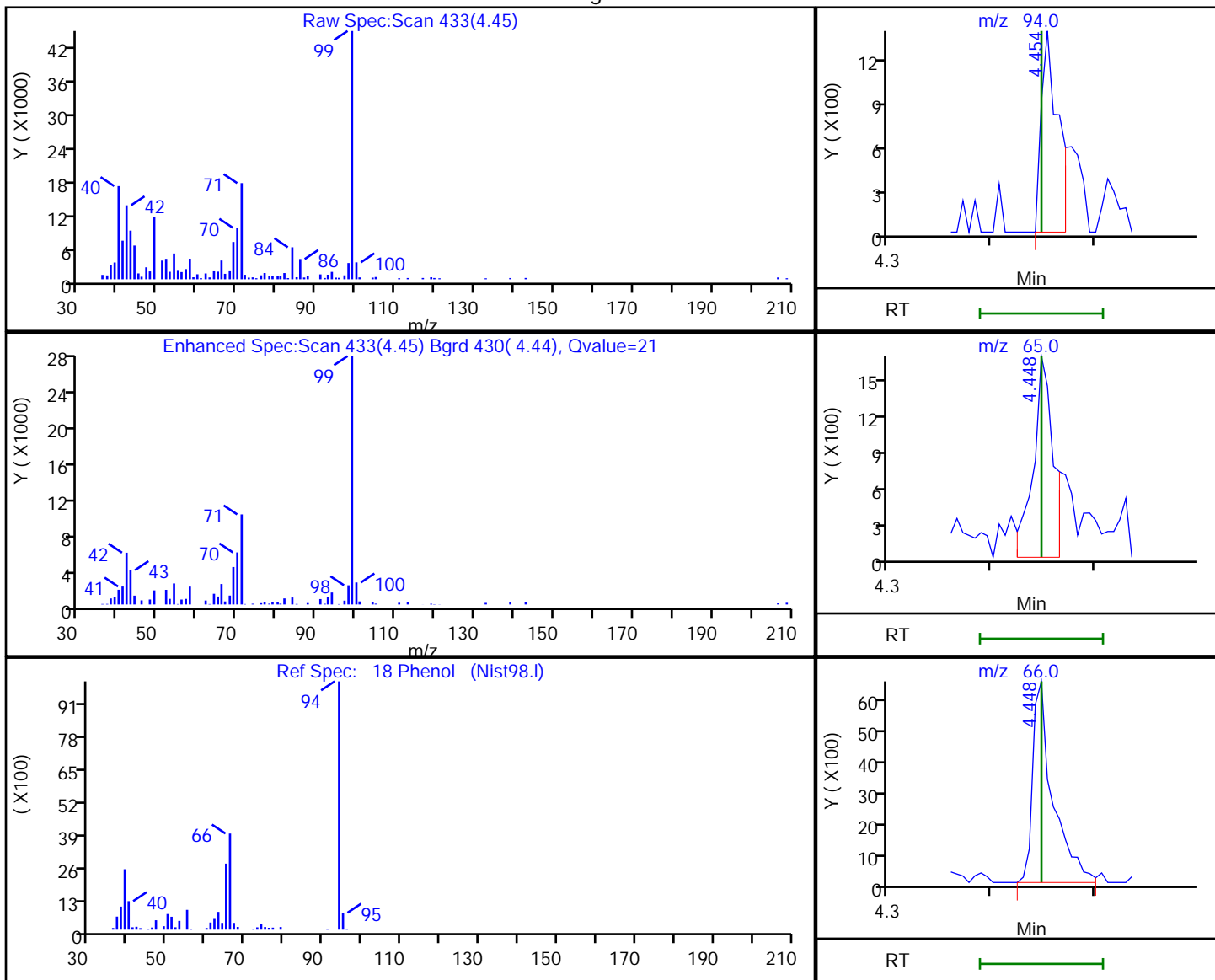
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a032.D
 Injection Date: 23-Mar-2022 23:54:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
 Client ID: ERH2821 (RHMW16)
 Operator ID: jcm ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

18 Phenol, CAS: 108-95-2

Processing Results



RT	Mass	Response	Amount
4.45	94.00	1522	4.698028
4.45	65.00	2195	
4.45	66.00	8994	

Reviewer: thaneeratw, 24-Mar-2022 18:25:28

Audit Action: Marked Compound Undetected

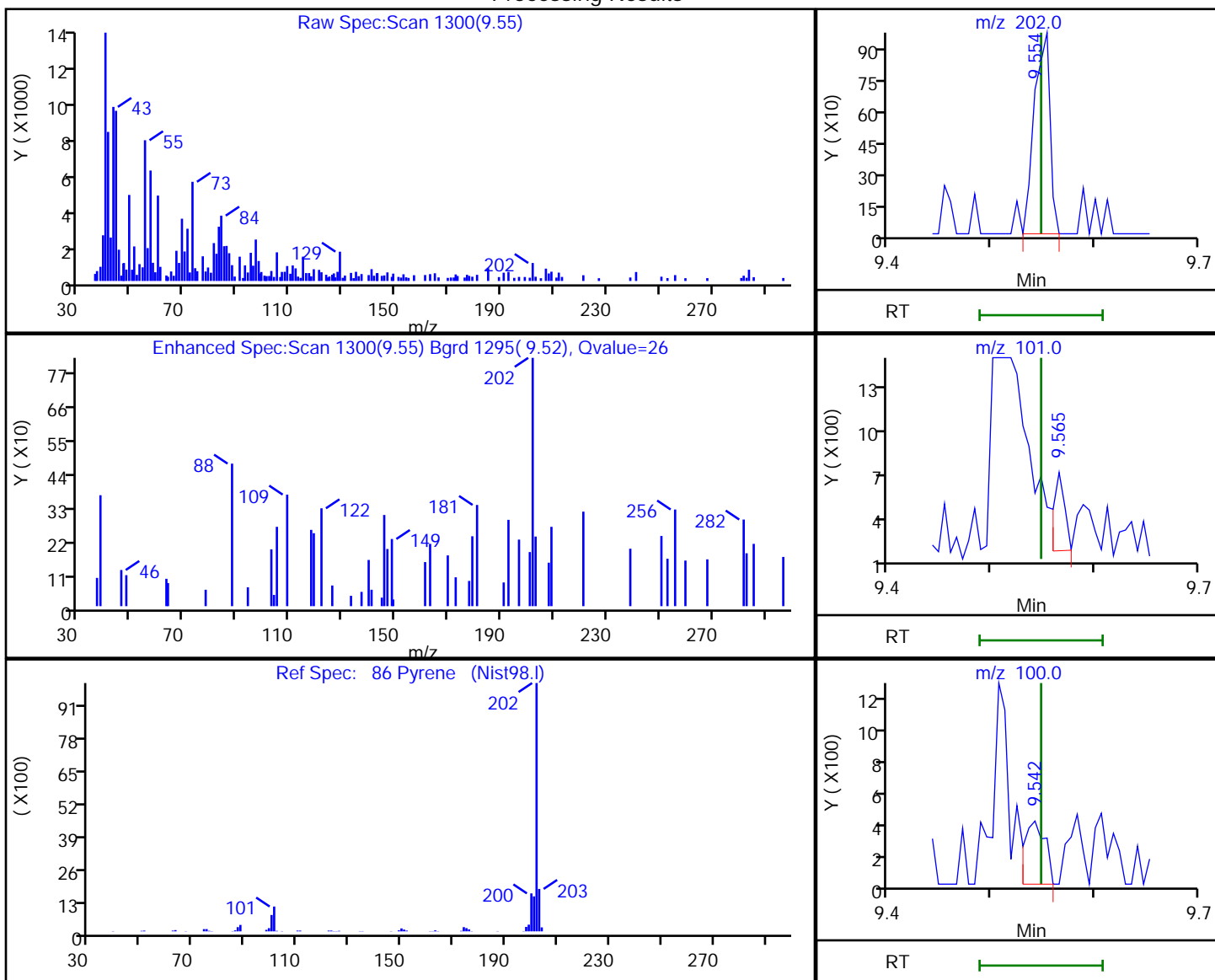
Audit Reason: Invalid Compound ID

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a032.D
 Injection Date: 23-Mar-2022 23:54:30 Instrument ID: TAC040
 Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
 Client ID: ERH2821 (RHMW16)
 Operator ID: jcm ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

86 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
9.55	202.00	1034	1.681299
9.57	101.00	354	
9.54	100.00	548	

Reviewer: thaneeratw, 24-Mar-2022 18:28:20

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-384624/3 Calibration Date: 03/22/2022 12:55
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032222a004.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.8987	0.9190	0.0100	1020	1000	2.3	20.0
Pyridine	Lin1		1.563	0.0100	2120	2000	6.0	20.0
Aniline	Qua1		2.005	0.0100	985	1000	-1.5	20.0
Phenol	Ave	1.816	1.771	0.8000	975	1000	-2.5	20.0
Bis(2-chloroethyl)ether	Ave	1.308	1.301	0.7000	995	1000	-0.5	20.0
2-Chlorophenol	Ave	1.359	1.294	0.8000	952	1000	-4.8	20.0
n-Decane	Lin2		1.780		1060	1000	5.6	20.0
1,3-Dichlorobenzene	Ave	1.524	1.520	0.0100	998	1000	-0.2	20.0
1,4-Dichlorobenzene	Ave	1.568	1.538	0.0100	981	1000	-1.9	20.0
Benzyl alcohol	Lin1		0.6546	0.0100	648	1000	-35.2*	20.0
1,2-Dichlorobenzene	Ave	1.480	1.454	0.0100	983	1000	-1.7	20.0
o-Cresol	Ave	1.261	1.179	0.7000	935	1000	-6.5	20.0
bis (2-chloroisopropyl) ether	Ave	2.464	2.592	0.0100	1050	1000	5.2	20.0
Acetophenone	Ave	1.846	1.819	0.0100	985	1000	-1.5	20.0
N-Nitrosodi-n-propylamine	Ave	1.181	1.136	0.5000	962	1000	-3.8	20.0
m+p-Cresol	Ave	1.249	1.198	0.6000	959	1000	-4.1	20.0
Hexachloroethane	Ave	0.6934	0.7050	0.3000	1020	1000	1.7	20.0
Nitrobenzene	Ave	1.614	1.604	0.2000	993	1000	-0.7	20.0
Isophorone	Lin1		2.718	0.4000	1020	1000	1.7	20.0
2-Nitrophenol	Ave	0.6182	0.6324	0.1000	1020	1000	2.3	20.0
2,4-Dimethylphenol	Ave	0.3423	0.3049	0.2000	891	1000	-10.9	20.0
Benzoic acid	Qua1		0.4831	0.0100	1610	2000	-19.4	20.0
Bis(2-chloroethoxy)methane	Ave	1.615	1.588	0.3000	983	1000	-1.7	20.0
2,4-Dichlorophenol	Ave	0.2446	0.2430	0.2000	994	1000	-0.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3147	0.3026	0.0100	961	1000	-3.9	20.0
Naphthalene	Ave	1.016	0.9884	0.7000	973	1000	-2.7	20.0
2,6-Dichlorophenol	Ave	0.4879	0.4904	0.0100	1010	1000	0.5	20.0
4-Chloroaniline	Ave	0.3247	0.3270	0.0100	1010	1000	0.7	20.0
Hexachlorobutadiene	Ave	0.1835	0.1814	0.0100	988	1000	-1.2	20.0
4-Chloro-3-methylphenol	Qua2		0.5183	0.2000	986	1000	-1.4	20.0
2-Methylnaphthalene	Ave	0.6294	0.6178	0.4000	982	1000	-1.8	20.0
1-Methylnaphthalene	Ave	0.6112	0.5875	0.0100	961	1000	-3.9	20.0
Hexachlorocyclopentadiene	Ave	0.3509	0.3843	0.0500	1100	1000	9.5	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6185	0.6056		979	1000	-2.1	20.0
2,4,6-Trichlorophenol	Lin2		0.3121	0.2000	906	1000	-9.4	20.0
2,4,5-Trichlorophenol	Lin2		0.3819	0.2000	976	1000	-2.4	20.0
1,1'-Biphenyl	Ave	1.432	1.464	0.0100	1020	1000	2.2	20.0
2-Chloronaphthalene	Ave	1.167	1.181	0.8000	1010	1000	1.2	20.0
2-Nitroaniline	Qua2		0.3882	0.0100	1050	1000	4.5	20.0
Dimethyl phthalate	Ave	1.226	1.262	0.0100	1030	1000	3.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-384624/3 Calibration Date: 03/22/2022 12:55
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032222a004.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin2		0.2747	0.2000	990	1000	-1.0	20.0
Acenaphthylene	Ave	1.841	1.850	0.9000	1010	1000	0.5	20.0
3-Nitroaniline	Lin2		0.2681	0.0100	1060	1000	6.2	20.0
Acenaphthene	Ave	1.231	1.223	0.9000	994	1000	-0.6	20.0
2,4-Dinitrophenol	Lin1		0.0946	0.0100	1880	2000	-6.1	20.0
4-Nitrophenol	Lin1		0.1405	0.0100	1810	2000	-9.7	20.0
2,4-Dinitrotoluene	Lin2		0.3519	0.2000	998	1000	-0.2	20.0
Dibenzofuran	Ave	1.574	1.657	0.8000	1050	1000	5.3	20.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2506	0.0100	896	1000	-10.4	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3191	0.0100	1030	1000	3.0	20.0
Diethyl phthalate	Ave	1.313	1.349	0.0100	1030	1000	2.7	20.0
Fluorene	Ave	1.262	1.284	0.9000	1020	1000	1.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.5619	0.5804	0.4000	1030	1000	3.3	20.0
4-Nitroaniline	Ave	0.2383	0.2584	0.0100	1080	1000	8.4	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.0818	0.0100	1800	2000	-10.0	20.0
N-Nitrosodiphenylamine	Ave	0.5255	0.5012	0.0100	954	1000	-4.6	20.0
Azobenzene	Ave	1.004	1.023		1020	1000	1.8	20.0
4-Bromophenyl phenyl ether	Ave	0.2386	0.2229	0.1000	934	1000	-6.6	20.0
Hexachlorobenzene	Lin2		0.3052	0.1000	906	1000	-9.4	20.0
Atrazine	Lin2		0.3224	0.0100	1060	1000	6.1	20.0
Pentachlorophenol	Lin2		0.1183	0.0500	1730	2000	-13.4	20.0
n-Octadecane	Ave	0.5506	0.5554		1010	1000	0.9	20.0
Phenanthrene	Ave	1.090	1.037	0.7000	951	1000	-4.9	20.0
Anthracene	Ave	1.107	1.066	0.7000	963	1000	-3.7	20.0
Carbazole	Qua1		0.8658	0.0100	1080	1000	7.5	20.0
Di-n-butyl phthalate	Ave	1.360	1.310	0.0100	963	1000	-3.7	20.0
Fluoranthene	Ave	1.141	1.107	0.6000	969	1000	-3.1	20.0
Benidine	Qua2		0.1357	0.0100	1850	2000	-7.4	20.0
Pyrene	Ave	1.206	1.157	0.6000	959	1000	-4.1	20.0
Butyl benzyl phthalate	Ave	0.6015	0.6374	0.0100	1060	1000	6.0	20.0
3,3'-Dichlorobenzidine	Ave	0.3481	0.4209	0.0100	2420	2000	20.9*	20.0
Benzo[a]anthracene	Ave	1.163	1.148	0.8000	987	1000	-1.3	20.0
Chrysene	Ave	1.223	1.214	0.7000	992	1000	-0.8	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8342	0.9091	0.0100	1090	1000	9.0	20.0
Di-n-octyl phthalate	Lin2		1.359	0.0100	1060	1000	6.3	20.0
Benzo[b]fluoranthene	Ave	1.028	1.149	0.7000	1120	1000	11.7	20.0
Benzo[k]fluoranthene	Ave	1.283	1.326	0.7000	1030	1000	3.3	20.0
Benzo[fluoranthene	Ave	1.151	1.206		2100	2000	4.8	20.0
Benzo[a]pyrene	Ave	0.9599	1.036	0.7000	1080	1000	8.0	20.0
Indeno[1,2,3-cd]pyrene	Qua2		0.9565	0.5000	1070	1000	6.7	20.0
Dibenz(a,h)anthracene	Lin2		1.141	0.4000	1030	1000	2.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-384624/3 Calibration Date: 03/22/2022 12:55
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032222a004.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	1.130	1.260	0.5000	1120	1000	11.6	20.0
2-Fluorophenol (Surr)	Ave	1.327	1.254		945	1000	-5.5	20.0
Phenol-d5 (Surr)	Ave	1.602	1.629		1020	1000	1.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4057	0.4132		1020	1000	1.8	20.0
2-Fluorobiphenyl	Ave	1.329	1.310		985	1000	-1.5	20.0
2,4,6-Tribromophenol (Surr)	Qua2		0.1659	0.0100	946	1000	-5.4	20.0
Terphenyl-d14	Ave	0.7918	0.7605		960	1000	-4.0	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a004.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 22-Mar-2022 12:55:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: ccvis
 Operator ID: jcm Instrument ID: TAC040
 Sublist: chrom-8270TAC040*sub20
 Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 22-Mar-2022 17:29:22 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: boylea

Date: 22-Mar-2022 17:29:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	94	18493	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	71720	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	71	35488	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	95	61906	100.0	100.0	
* 5 Chrysene-d12	240	10.577	10.577	0.000	70	52526	100.0	100.0	
* 6 Perylene-d12	264	12.089	12.089	0.000	93	55148	100.0	100.0	
\$ 7 2-Fluorophenol	112	3.633	3.633	0.000	95	231899	1000.0	945.2	
\$ 8 Phenol-d5	99	4.413	4.413	0.000	0	301262	1000.0	1017.0	
\$ 9 Nitrobenzene-d5	82	5.136	5.136	0.000	95	296368	1000.0	1018.5	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	98	464868	1000.0	985.4	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	92	102697	1000.0	946.3	
\$ 12 Terphenyl-d14	244	9.695	9.695	0.000	99	470826	1000.0	960.5	
15 N-Nitrosodimethylamine	74	2.477	2.477	0.000	86	169943	1000.0	1022.5	
16 Pyridine	79	2.493	2.493	0.000	90	578163	2000.0	2120.0	
17 Aniline	93	4.425	4.425	0.000	67	370733	1000.0	985.3	
18 Phenol	94	4.425	4.425	0.000	71	327486	1000.0	975.1	
19 Bis(2-chloroethyl)ether	93	4.489	4.489	0.000	88	240520	1000.0	994.6	
20 2-Chlorophenol	128	4.519	4.519	0.000	95	239359	1000.0	952.4	
21 n-Decane	57	4.572	4.572	0.000	94	329230	1000.0	1056.4	
22 1,3-Dichlorobenzene	146	4.636	4.636	0.000	93	281157	1000.0	997.9	
23 1,4-Dichlorobenzene	146	4.701	4.701	0.000	90	284490	1000.0	981.0	
27 Benzyl alcohol	79	4.813	4.813	0.000	85	121056	1000.0	648.1	
24 1,2-Dichlorobenzene	146	4.819	4.819	0.000	89	268950	1000.0	982.7	
28 2-Methylphenol	108	4.913	4.913	0.000	60	218072	1000.0	935.0	
25 2,2'-oxybis[1-chloropropane]	45	4.925	4.925	0.000	80	479277	1000.0	1051.9	
29 Acetophenone	105	5.019	5.019	0.000	86	336311	1000.0	985.1	
30 N-Nitrosodi-n-propylamine	70	5.025	5.025	0.000	92	210081	1000.0	962.2	
32 3 & 4 Methylphenol	108	5.042	5.042	0.000	0	221559	1000.0	958.9	
31 Hexachloroethane	117	5.095	5.095	0.000	97	130382	1000.0	1016.8	
33 Nitrobenzene	77	5.154	5.154	0.000	92	296549	1000.0	993.3	
34 Isophorone	82	5.354	5.354	0.000	98	502592	1000.0	1017.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 2-Nitrophenol	139	5.413	5.413	0.000	91	116955	1000.0	1023.0	
37 2,4-Dimethylphenol	107	5.466	5.466	0.000	96	218670	1000.0	890.8	
36 Benzoic acid	105	5.530	5.530	0.000	86	178683	2000.0	1612.1	Ma
38 Bis(2-chloroethoxy)methane	93	5.542	5.542	0.000	93	293738	1000.0	983.5	
39 2,4-Dichlorophenol	162	5.619	5.619	0.000	96	174270	1000.0	993.6	
40 1,2,4-Trichlorobenzene	180	5.677	5.677	0.000	94	217016	1000.0	961.4	
41 Naphthalene	128	5.736	5.736	0.000	97	708865	1000.0	972.6	
43 4-Chloroaniline	127	5.795	5.795	0.000	74	234510	1000.0	1007.1	
42 2,6-Dichlorophenol	162	5.795	5.795	0.000	81	174017	1000.0	1005.1	
44 Hexachlorobutadiene	225	5.842	5.842	0.000	93	130090	1000.0	988.3	
45 4-Chloro-3-methylphenol	107	6.207	6.207	0.000	95	183932	1000.0	986.2	
46 2-Methylnaphthalene	142	6.307	6.307	0.000	85	443117	1000.0	981.6	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	90	421361	1000.0	961.3	
48 Hexachlorocyclopentadiene	237	6.436	6.436	0.000	91	136386	1000.0	1095.1	
49 1,2,4,5-Tetrachlorobenzene	216	6.442	6.442	0.000	99	214901	1000.0	979.1	
50 2,4,6-Trichlorophenol	196	6.542	6.542	0.000	94	110762	1000.0	905.5	
51 2,4,5-Trichlorophenol	196	6.577	6.577	0.000	89	135518	1000.0	976.3	M
52 1,1'-Biphenyl	154	6.689	6.689	0.000	97	519512	1000.0	1022.2	
53 2-Chloronaphthalene	162	6.701	6.701	0.000	98	419207	1000.0	1011.8	
54 2-Nitroaniline	138	6.795	6.795	0.000	78	137769	1000.0	1045.0	
55 Dimethyl phthalate	163	6.954	6.954	0.000	96	448010	1000.0	1029.8	
56 1,3-Dinitrobenzene	168	6.971	6.971	0.000	70	55357	1000.0	947.4	
57 2,6-Dinitrotoluene	165	7.001	7.001	0.000	60	97485	1000.0	990.1	
58 Acenaphthylene	152	7.042	7.042	0.000	92	656544	1000.0	1005.2	
59 3-Nitroaniline	138	7.136	7.136	0.000	89	95160	1000.0	1062.2	
60 Acenaphthene	153	7.183	7.183	0.000	97	434011	1000.0	993.6	
69 2,4-Dinitrophenol	184	7.218	7.218	0.000	62	67156	2000.0	1877.2	a
63 4-Nitrophenol	109	7.307	7.307	0.000	95	99715	2000.0	1805.3	
61 Dibenzofuran	168	7.324	7.324	0.000	88	588062	1000.0	1052.7	
62 2,4-Dinitrotoluene	165	7.324	7.324	0.000	61	124885	1000.0	998.2	
64 2,3,5,6-Tetrachlorophenol	232	7.401	7.401	0.000	88	88927	1000.0	896.3	
65 2,3,4,6-Tetrachlorophenol	232	7.436	7.436	0.000	69	113245	1000.0	1030.2	
66 Diethyl phthalate	149	7.536	7.536	0.000	96	478828	1000.0	1027.3	
67 Fluorene	166	7.607	7.607	0.000	82	455757	1000.0	1017.7	
68 4-Chlorophenyl phenyl ether	204	7.618	7.618	0.000	95	205972	1000.0	1032.8	
70 4-Nitroaniline	138	7.636	7.636	0.000	27	91707	1000.0	1084.3	
73 4,6-Dinitro-2-methylphenol	198	7.654	7.654	0.000	64	101249	2000.0	1799.0	
71 N-Nitrosodiphenylamine	169	7.713	7.713	0.000	68	310257	1000.0	953.7	
72 Azobenzene	77	7.742	7.742	0.000	87	633087	1000.0	1018.2	
74 4-Bromophenyl phenyl ether	248	8.018	8.018	0.000	62	138003	1000.0	934.3	
75 Hexachlorobenzene	284	8.054	8.054	0.000	93	188961	1000.0	906.1	
76 Atrazine	200	8.165	8.165	0.000	84	114411	1000.0	1061.1	
77 Pentachlorophenol	266	8.224	8.224	0.000	90	146521	2000.0	1731.2	M
78 n-Octadecane	43	8.313	8.313	0.000	89	343796	1000.0	1008.6	
79 Phenanthrene	178	8.389	8.389	0.000	98	641803	1000.0	951.1	
80 Anthracene	178	8.430	8.430	0.000	98	659706	1000.0	962.7	
81 Carbazole	167	8.577	8.577	0.000	82	535972	1000.0	1075.1	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	99	810899	1000.0	963.1	
84 Fluoranthene	202	9.365	9.365	0.000	98	685005	1000.0	969.5	
85 Benzidine	184	9.495	9.495	0.000	97	167969	2000.0	1851.3	
86 Pyrene	202	9.548	9.548	0.000	95	715946	1000.0	958.9	
87 Butyl benzyl phthalate	149	10.107	10.107	0.000	96	334815	1000.0	1059.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
91 3,3'-Dichlorobenzidine	252	10.559	10.559	0.000	70	442129	2000.0	2418.2	
89 Benzo[a]anthracene	228	10.565	10.565	0.000	98	603003	1000.0	986.8	
90 Chrysene	228	10.601	10.601	0.000	93	637563	1000.0	992.2	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.630	0.000	81	477498	1000.0	1089.8	
93 Di-n-octyl phthalate	149	11.295	11.295	0.000	99	749729	1000.0	1063.4	
94 Benzo[b]fluoranthene	252	11.659	11.659	0.000	92	633479	1000.0	1117.4	
95 Benzofluoranthene	252	11.689	11.689	0.000	0	1330357	2000.0	2095.7	
96 Benzo[k]fluoranthene	252	11.689	11.689	0.000	96	731129	1000.0	1033.2	
97 Benzo[a]pyrene	252	12.024	12.024	0.000	77	571571	1000.0	1079.7	
98 Indeno[1,2,3-cd]pyrene	276	13.342	13.342	0.000	92	527500	1000.0	1067.5	
99 Dibenz(a,h)anthracene	278	13.377	13.377	0.000	75	629007	1000.0	1029.3	
100 Benzo[g,h,i]perylene	276	13.653	13.653	0.000	94	695115	1000.0	1115.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_8270_1000_00057

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a004.D

Injection Date: 22-Mar-2022 12:55:30

Instrument ID: TAC040

Lims ID: CCVIS

Client ID:

Operator ID: jcm

ALS Bottle#: 3

Worklist Smp#: 3

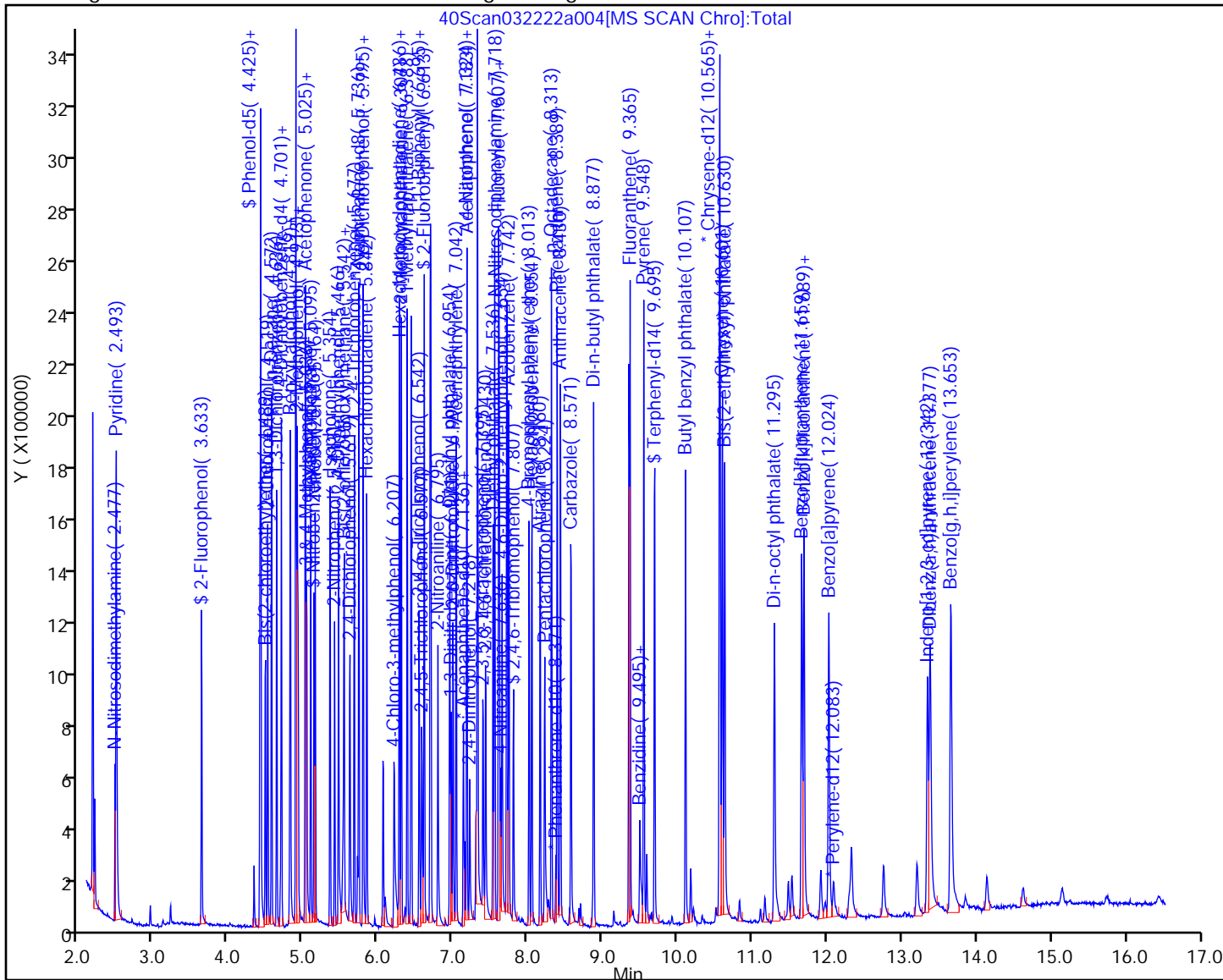
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

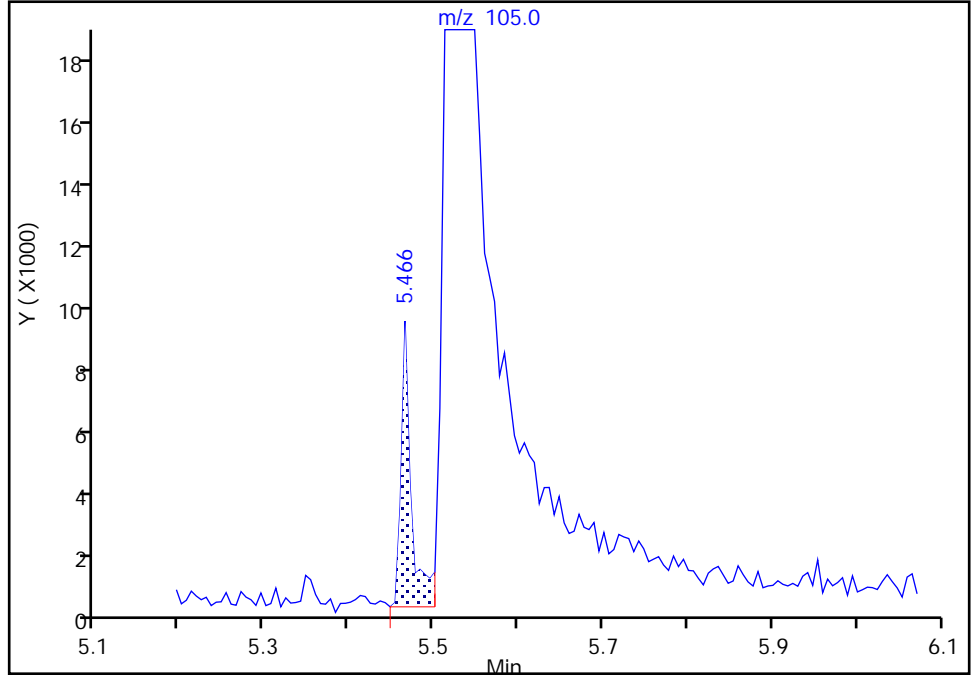
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Injection Date: 22-Mar-2022 12:55:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

36 Benzoic acid, CAS: 65-85-0

Signal: 1

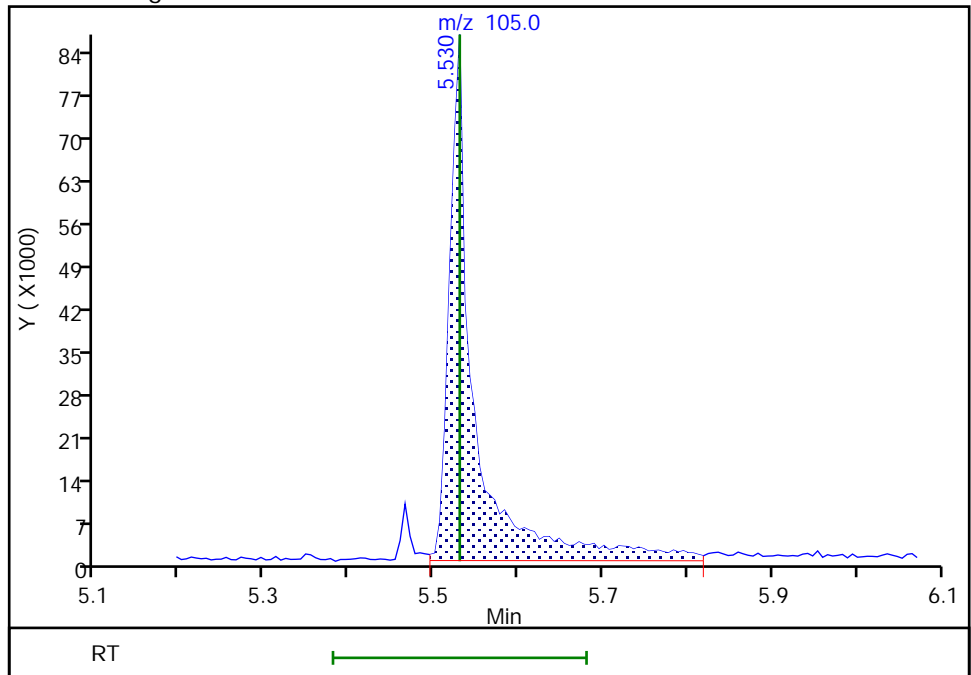
RT: 5.47
Area: 7777
Amount: 280.4313
Amount Units: ug/L

Processing Integration Results



RT: 5.53
Area: 178683
Amount: 1612.0741
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 22-Mar-2022 17:27:06
Audit Action: Manually Integrated

Audit Reason: Peak Tail

Eurofins Seattle

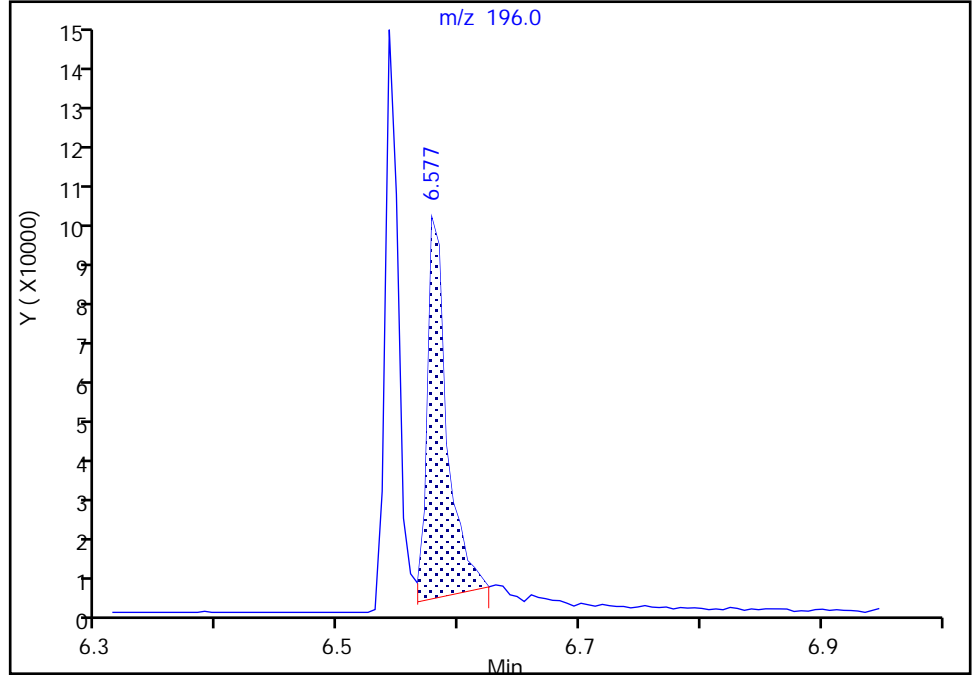
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Injection Date: 22-Mar-2022 12:55:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

51 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

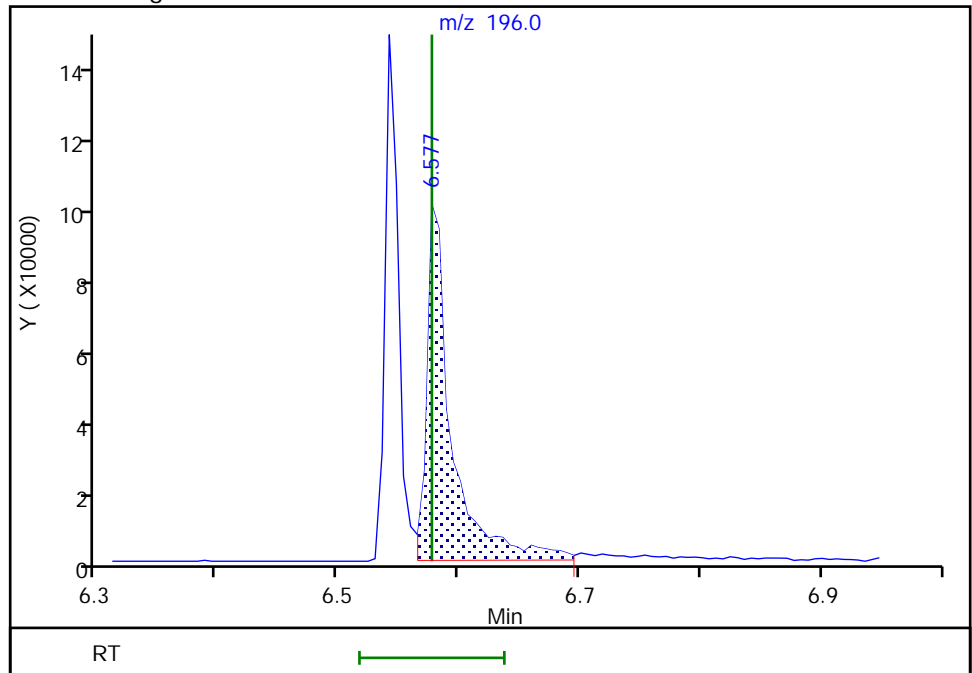
RT: 6.58
Area: 104986
Amount: 760.5558
Amount Units: ug/L

Processing Integration Results



RT: 6.58
Area: 135518
Amount: 976.2984
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 22-Mar-2022 17:27:29
Audit Action: Manually Integrated

Audit Reason: Peak Tail

Eurofins Seattle

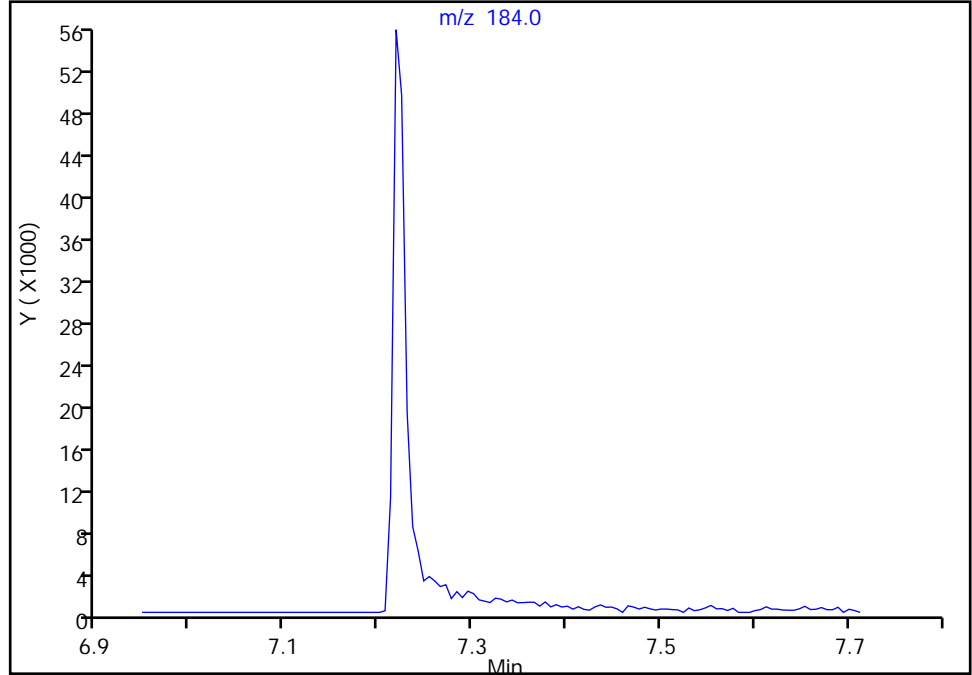
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a004.D
Injection Date: 22-Mar-2022 12:55:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

69 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

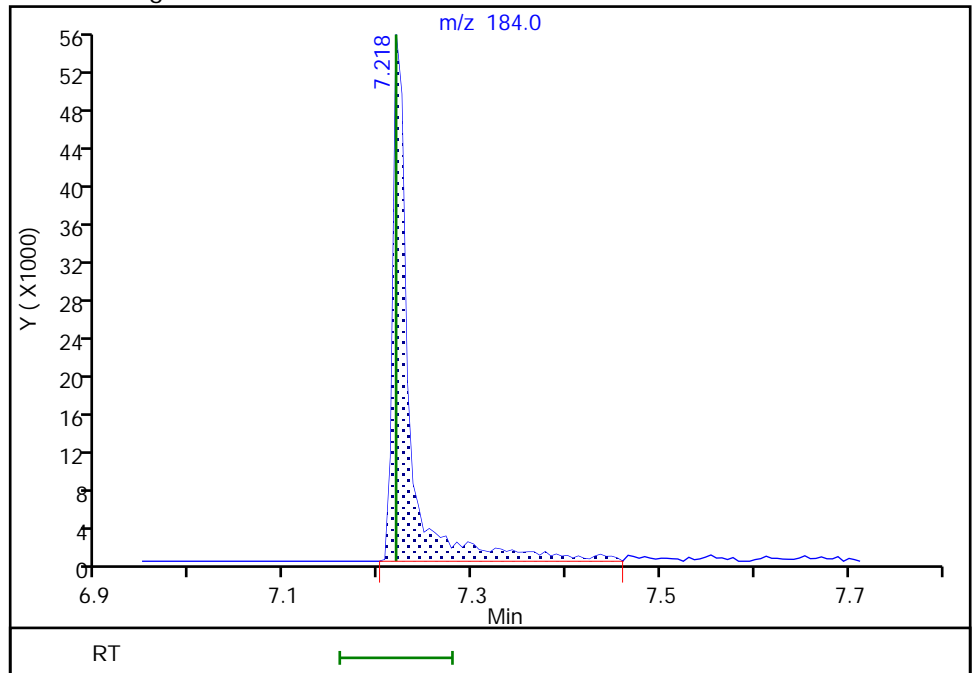
Not Detected
Expected RT: 7.22

Processing Integration Results



RT: 7.22
Area: 67156
Amount: 1877.1665
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 22-Mar-2022 13:30:01
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle

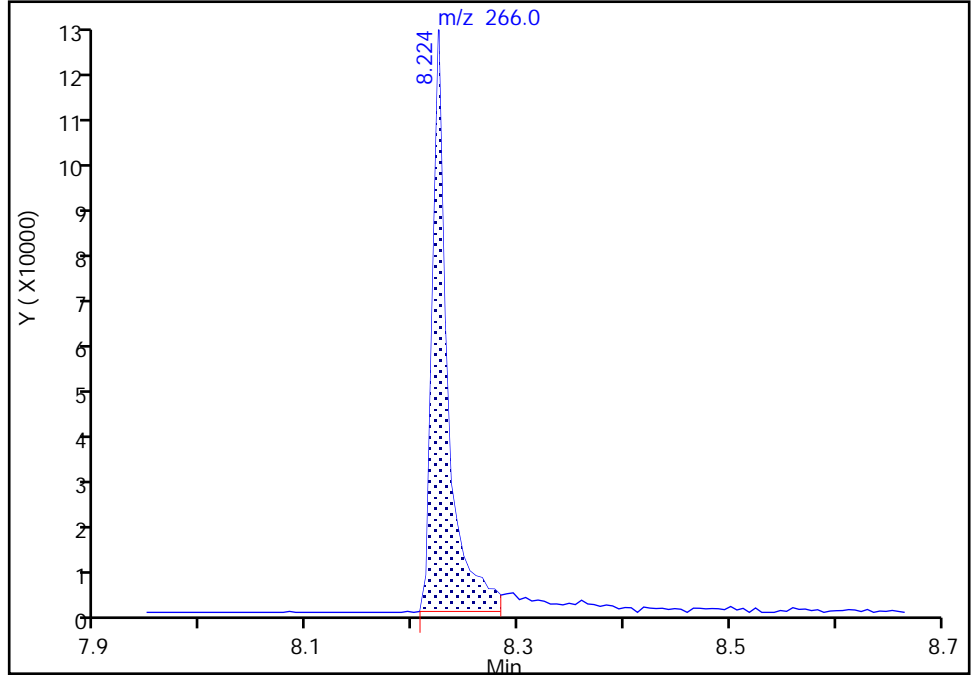
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Injection Date: 22-Mar-2022 12:55:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

77 Pentachlorophenol, CAS: 87-86-5

Signal: 1

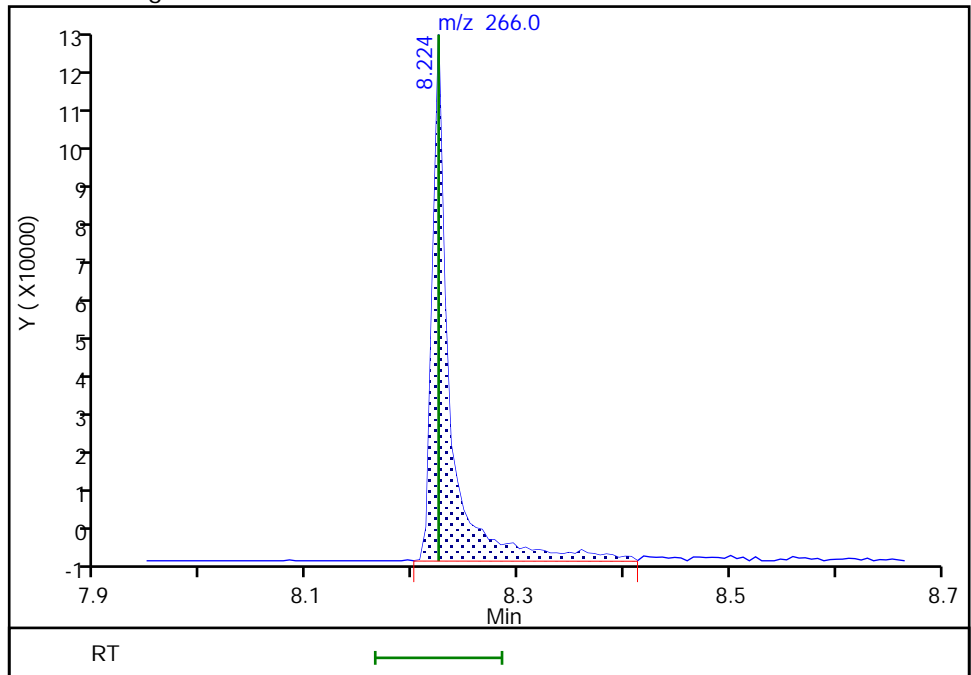
RT: 8.22
Area: 128640
Amount: 1545.9436
Amount Units: ug/L

Processing Integration Results



RT: 8.22
Area: 146521
Amount: 1731.2020
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 22-Mar-2022 17:28:18
Audit Action: Manually Integrated

Audit Reason: Peak Tail

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVC 580-384624/30 Calibration Date: 03/22/2022 23:41
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032222a031.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.8987	0.9327	0.0100	1040	1000	3.8	50.0
Pyridine	Lin1		1.478	0.0100	2000	2000	0.2	50.0
Aniline	Qua1		1.763	0.0100	866	1000	-13.4	50.0
Phenol	Ave	1.816	1.643	0.8000	905	1000	-9.5	50.0
Bis(2-chloroethyl)ether	Ave	1.308	1.288	0.7000	985	1000	-1.5	50.0
2-Chlorophenol	Ave	1.359	1.313	0.8000	966	1000	-3.4	50.0
n-Decane	Lin2		1.691		1000	1000	0.3	50.0
1,3-Dichlorobenzene	Ave	1.524	1.496	0.0100	982	1000	-1.8	50.0
1,4-Dichlorobenzene	Ave	1.568	1.485	0.0100	947	1000	-5.3	50.0
Benzyl alcohol	Lin1		0.8319	0.0100	811	1000	-18.9	50.0
1,2-Dichlorobenzene	Ave	1.480	1.463	0.0100	988	1000	-1.2	50.0
bis (2-chloroisopropyl) ether	Ave	2.464	2.523	0.0100	1020	1000	2.4	50.0
o-Cresol	Ave	1.261	1.312	0.7000	1040	1000	4.0	50.0
Acetophenone	Ave	1.846	1.791	0.0100	970	1000	-3.0	50.0
N-Nitrosodi-n-propylamine	Ave	1.181	1.122	0.5000	950	1000	-5.0	50.0
m+p-Cresol	Ave	1.249	1.224	0.6000	980	1000	-2.0	50.0
Hexachloroethane	Ave	0.6934	0.7011	0.3000	1010	1000	1.1	50.0
Nitrobenzene	Ave	1.614	1.572	0.2000	974	1000	-2.6	50.0
Isophorone	Lin1		2.737	0.4000	1020	1000	2.5	50.0
2-Nitrophenol	Ave	0.6182	0.6420	0.1000	1040	1000	3.8	50.0
2,4-Dimethylphenol	Ave	0.3423	0.3463	0.2000	1010	1000	1.2	50.0
Bis(2-chloroethoxy)methane	Ave	1.615	1.609	0.3000	996	1000	-0.4	50.0
Benzoic acid	Qua1		0.7674	0.0100	2360	2000	17.9	50.0
2,4-Dichlorophenol	Ave	0.2446	0.2588	0.2000	1060	1000	5.8	50.0
1,2,4-Trichlorobenzene	Ave	0.3147	0.3012	0.0100	957	1000	-4.3	50.0
Naphthalene	Ave	1.016	1.001	0.7000	985	1000	-1.5	50.0
4-Chloroaniline	Ave	0.3247	0.2544	0.0100	783	1000	-21.7	50.0
2,6-Dichlorophenol	Ave	0.4879	0.5142	0.0100	1050	1000	5.4	50.0
Hexachlorobutadiene	Ave	0.1835	0.1797	0.0100	979	1000	-2.1	50.0
4-Chloro-3-methylphenol	Qua2		0.5502	0.2000	1050	1000	4.5	50.0
2-Methylnaphthalene	Ave	0.6294	0.6263	0.4000	995	1000	-0.5	50.0
1-Methylnaphthalene	Ave	0.6112	0.5915	0.0100	968	1000	-3.2	50.0
Hexachlorocyclopentadiene	Ave	0.3509	0.3022	0.0500	861	1000	-13.9	50.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6185	0.6050		978	1000	-2.2	50.0
2,4,6-Trichlorophenol	Lin2		0.3406	0.2000	986	1000	-1.4	50.0
2,4,5-Trichlorophenol	Lin2		0.4004	0.2000	1020	1000	2.3	50.0
1,1'-Biphenyl	Ave	1.432	1.440	0.0100	1010	1000	0.5	50.0
2-Chloronaphthalene	Ave	1.167	1.166	0.8000	999	1000	-0.0	50.0
2-Nitroaniline	Qua2		0.3816	0.0100	1030	1000	2.8	50.0
Dimethyl phthalate	Ave	1.226	1.233	0.0100	1010	1000	0.6	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVC 580-384624/30 Calibration Date: 03/22/2022 23:41
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032222a031.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin2		0.2795	0.2000	1010	1000	0.7	50.0
Acenaphthylene	Ave	1.841	1.822	0.9000	990	1000	-1.0	50.0
3-Nitroaniline	Lin2		0.2556	0.0100	1010	1000	1.4	50.0
Acenaphthene	Ave	1.231	1.215	0.9000	987	1000	-1.3	50.0
2,4-Dinitrophenol	Lin1		0.0551	0.0100	1390	2000	-30.4	50.0
2,4-Dinitrotoluene	Lin2		0.3436	0.2000	975	1000	-2.5	50.0
Dibenzofuran	Ave	1.574	1.606	0.8000	1020	1000	2.0	50.0
4-Nitrophenol	Lin1		0.1435	0.0100	1840	2000	-8.2	50.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2619	0.0100	935	1000	-6.5	50.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3161	0.0100	1020	1000	2.1	50.0
Diethyl phthalate	Ave	1.313	1.349	0.0100	1030	1000	2.7	50.0
Fluorene	Ave	1.262	1.263	0.9000	1000	1000	0.0	50.0
4-Chlorophenyl phenyl ether	Ave	0.5619	0.5810	0.4000	1030	1000	3.4	50.0
4-Nitroaniline	Ave	0.2383	0.2489	0.0100	1040	1000	4.5	50.0
4,6-Dinitro-2-methylphenol	Lin2		0.0591	0.0100	1360	2000	-31.9	50.0
N-Nitrosodiphenylamine	Ave	0.5255	0.5389	0.0100	1030	1000	2.5	50.0
Azobenzene	Ave	1.004	1.097		1090	1000	9.2	50.0
4-Bromophenyl phenyl ether	Ave	0.2386	0.2309	0.1000	968	1000	-3.2	50.0
Hexachlorobenzene	Lin2		0.3354	0.1000	996	1000	-0.4	50.0
Atrazine	Lin2		0.3167	0.0100	1040	1000	4.3	50.0
Pentachlorophenol	Lin2		0.1418	0.0500	2030	2000	1.6	50.0
n-Octadecane	Ave	0.5506	0.5923		1080	1000	7.6	50.0
Phenanthrene	Ave	1.090	1.095	0.7000	1000	1000	0.5	50.0
Anthracene	Ave	1.107	1.126	0.7000	1020	1000	1.7	50.0
Carbazole	Qua1		1.034	0.0100	1300	1000	30.4	50.0
Di-n-butyl phthalate	Ave	1.360	1.438	0.0100	1060	1000	5.8	50.0
Fluoranthene	Ave	1.141	1.176	0.6000	1030	1000	3.1	50.0
Benidine	Qua2		0.0994	0.0100	1410	2000	-29.3	50.0
Pyrene	Ave	1.206	1.229	0.6000	1020	1000	1.9	50.0
Butyl benzyl phthalate	Ave	0.6015	0.6559	0.0100	1090	1000	9.0	50.0
3,3'-Dichlorobenzidine	Ave	0.3481	0.4400	0.0100	2530	2000	26.4	50.0
Benzo[a]anthracene	Ave	1.163	1.199	0.8000	1030	1000	3.1	50.0
Chrysene	Ave	1.223	1.212	0.7000	991	1000	-0.9	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.8342	0.9662	0.0100	1160	1000	15.8	50.0
Di-n-octyl phthalate	Lin2		1.499	0.0100	1170	1000	17.0	50.0
Benzo[b]fluoranthene	Ave	1.028	1.235	0.7000	1200	1000	20.1	50.0
Benzo[fluoranthene	Ave	1.151	1.227		2130	2000	6.6	50.0
Benzo[k]fluoranthene	Ave	1.283	1.263	0.7000	984	1000	-1.6	50.0
Benzo[a]pyrene	Ave	0.9599	1.054	0.7000	1100	1000	9.8	50.0
Indeno[1,2,3-cd]pyrene	Qua2		0.7581	0.5000	858	1000	-14.2	50.0
Dibenz(a,h)anthracene	Lin2		0.8555	0.4000	776	1000	-22.4	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVC 580-384624/30 Calibration Date: 03/22/2022 23:41
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032222a031.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	1.130	0.8484	0.5000	751	1000	-24.9	50.0
2-Fluorophenol (Surr)	Ave	1.327	1.277		963	1000	-3.7	50.0
Phenol-d5 (Surr)	Ave	1.602	1.654		1030	1000	3.2	50.0
Nitrobenzene-d5 (Surr)	Ave	0.4057	0.4179		1030	1000	3.0	50.0
2-Fluorobiphenyl	Ave	1.329	1.299		977	1000	-2.3	50.0
2,4,6-Tribromophenol (Surr)	Qua2		0.1844	0.0100	1050	1000	4.9	50.0
Terphenyl-d14	Ave	0.7918	0.8036		1010	1000	1.5	50.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a031.D
 Lims ID: CCVC
 Client ID:
 Sample Type: CCVC
 Inject. Date: 22-Mar-2022 23:41:30 ALS Bottle#: 3 Worklist Smp#: 30
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: ccvc
 Operator ID: jcm Instrument ID: TAC040
 Sublist: chrom-8270TAC040*sub20
 Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 23-Mar-2022 16:12:32 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1607

First Level Reviewer: limmere

Date: 23-Mar-2022 16:12:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	94	19660	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	74527	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	93	37071	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	96	59800	100.0	100.0	
* 5 Chrysene-d12	240	10.571	10.577	-0.006	54	57131	100.0	100.0	
* 6 Perylene-d12	264	12.083	12.089	-0.006	93	62657	100.0	100.0	
\$ 7 2-Fluorophenol	112	3.659	3.638	0.026	94	251116	1000.0	962.8	
\$ 8 Phenol-d5	99	4.448	4.454	0.035	0	325127	1000.0	1032.5	
\$ 9 Nitrobenzene-d5	82	5.142	5.136	0.006	91	311473	1000.0	1030.0	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	98	481699	1000.0	977.5	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	96	110293	1000.0	1049.4	
\$ 12 Terphenyl-d14	244	9.689	9.695	-0.006	98	480582	1000.0	1014.9	
15 N-Nitrosodimethylamine	74	2.483	2.477	0.006	88	183378	1000.0	1037.8	
16 Pyridine	79	2.493	2.493	0.000	88	581303	2000.0	2004.6	
17 Aniline	93	4.430	4.425	0.005	95	346703	1000.0	866.2	
18 Phenol	94	4.460	4.460	0.035	94	322999	1000.0	904.7	a
19 Bis(2-chloroethyl)ether	93	4.489	4.489	0.000	86	253181	1000.0	984.8	
20 2-Chlorophenol	128	4.536	4.519	0.017	98	258171	1000.0	966.3	
21 n-Decane	57	4.572	4.572	0.000	93	332465	1000.0	1002.7	
22 1,3-Dichlorobenzene	146	4.642	4.636	0.006	97	294175	1000.0	982.1	
23 1,4-Dichlorobenzene	146	4.701	4.701	0.000	89	291982	1000.0	947.0	
27 Benzyl alcohol	79	4.819	4.819	0.006	43	163552	1000.0	811.3	M
24 1,2-Dichlorobenzene	146	4.825	4.819	0.006	95	287601	1000.0	988.4	
28 2-Methylphenol	108	4.936	4.913	0.023	93	257922	1000.0	1040.2	
25 2,2'-oxybis[1-chloropropane]	45	4.925	4.925	0.001	80	496039	1000.0	1024.1	
29 Acetophenone	105	5.019	5.019	0.000	86	352151	1000.0	970.2	
30 N-Nitrosodi-n-propylamine	70	5.025	5.025	0.001	92	220590	1000.0	950.4	
32 3 & 4 Methylphenol	108	5.066	5.072	0.024	0	240707	1000.0	980.0	
31 Hexachloroethane	117	5.095	5.095	0.000	97	137845	1000.0	1011.2	
33 Nitrobenzene	77	5.154	5.154	0.000	93	309084	1000.0	973.8	
34 Isophorone	82	5.354	5.354	0.000	95	538189	1000.0	1024.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 2-Nitrophenol	139	5.413	5.413	0.000	89	126211	1000.0	1038.4	
37 2,4-Dimethylphenol	107	5.477	5.466	0.011	97	258101	1000.0	1011.8	
36 Benzoic acid	105	5.554	5.530	0.024	90	301761	2000.0	2358.7	
38 Bis(2-chloroethoxy)methane	93	5.542	5.542	0.000	93	316313	1000.0	996.2	
39 2,4-Dichlorophenol	162	5.636	5.619	0.017	97	192898	1000.0	1058.3	
40 1,2,4-Trichlorobenzene	180	5.677	5.677	0.000	91	224504	1000.0	957.1	
41 Naphthalene	128	5.736	5.736	0.000	98	745752	1000.0	984.7	
43 4-Chloroaniline	127	5.795	5.795	0.000	75	189563	1000.0	783.4	
42 2,6-Dichlorophenol	162	5.801	5.795	0.006	87	190625	1000.0	1054.0	
44 Hexachlorobutadiene	225	5.842	5.842	0.000	95	133889	1000.0	978.8	
45 4-Chloro-3-methylphenol	107	6.230	6.207	0.023	93	203971	1000.0	1045.1	
46 2-Methylnaphthalene	142	6.307	6.307	0.000	83	466728	1000.0	995.0	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	89	440821	1000.0	967.8	
48 Hexachlorocyclopentadiene	237	6.430	6.436	-0.006	91	112029	1000.0	861.1	
49 1,2,4,5-Tetrachlorobenzene	216	6.442	6.442	0.000	95	224290	1000.0	978.2	
50 2,4,6-Trichlorophenol	196	6.554	6.542	0.012	92	126278	1000.0	986.5	
51 2,4,5-Trichlorophenol	196	6.613	6.613	0.036	51	148447	1000.0	1022.9	a
52 1,1'-Biphenyl	154	6.689	6.689	0.000	97	533827	1000.0	1005.5	
53 2-Chloronaphthalene	162	6.701	6.701	0.000	97	432421	1000.0	999.2	
54 2-Nitroaniline	138	6.801	6.795	0.006	80	141472	1000.0	1027.8	
55 Dimethyl phthalate	163	6.954	6.954	0.000	96	457142	1000.0	1005.9	
56 1,3-Dinitrobenzene	168	6.972	6.972	0.001	70	57248	1000.0	922.6	
57 2,6-Dinitrotoluene	165	7.001	7.001	0.000	74	103601	1000.0	1007.0	
58 Acenaphthylene	152	7.036	7.042	-0.006	93	675463	1000.0	990.0	
59 3-Nitroaniline	138	7.142	7.136	0.006	89	94771	1000.0	1013.6	
60 Acenaphthene	153	7.183	7.183	0.000	98	450504	1000.0	987.3	
69 2,4-Dinitrophenol	184	7.224	7.224	0.006	71	40865	2000.0	1392.7	a
63 4-Nitrophenol	109	7.360	7.360	0.053	35	106418	2000.0	1836.2	a
61 Dibenzofuran	168	7.324	7.324	0.000	88	595292	1000.0	1020.1	
62 2,4-Dinitrotoluene	165	7.324	7.324	0.000	64	127374	1000.0	975.4	
64 2,3,5,6-Tetrachlorophenol	232	7.407	7.401	0.006	80	97107	1000.0	934.9	
65 2,3,4,6-Tetrachlorophenol	232	7.442	7.436	0.006	73	117198	1000.0	1020.8	
66 Diethyl phthalate	149	7.530	7.536	-0.006	95	500268	1000.0	1027.4	
67 Fluorene	166	7.607	7.607	0.000	80	468221	1000.0	1000.9	
68 4-Chlorophenyl phenyl ether	204	7.613	7.619	-0.005	93	215378	1000.0	1033.9	
70 4-Nitroaniline	138	7.642	7.636	0.006	53	92285	1000.0	1044.5	
73 4,6-Dinitro-2-methylphenol	198	7.654	7.654	0.000	63	70674	2000.0	1362.9	
71 N-Nitrosodiphenylamine	169	7.713	7.713	0.000	67	322265	1000.0	1025.5	
72 Azobenzene	77	7.742	7.742	0.000	88	655782	1000.0	1091.8	
74 4-Bromophenyl phenyl ether	248	8.013	8.019	-0.005	71	138078	1000.0	967.8	
75 Hexachlorobenzene	284	8.048	8.054	-0.006	89	200591	1000.0	995.7	
76 Atrazine	200	8.166	8.166	0.001	82	117421	1000.0	1042.5	
77 Pentachlorophenol	266	8.230	8.224	0.006	92	169545	2000.0	2031.6	
78 n-Octadecane	43	8.313	8.313	0.000	89	354181	1000.0	1075.6	
79 Phenanthrene	178	8.389	8.389	0.000	98	654911	1000.0	1004.7	
80 Anthracene	178	8.430	8.430	0.000	98	673217	1000.0	1017.0	
81 Carbazole	167	8.577	8.577	0.000	82	618083	1000.0	1303.8	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	99	860168	1000.0	1057.6	
84 Fluoranthene	202	9.365	9.365	0.000	98	703529	1000.0	1030.8	
85 Benzidine	184	9.495	9.495	0.000	98	118835	2000.0	1413.9	
86 Pyrene	202	9.548	9.548	0.000	95	734972	1000.0	1019.0	
87 Butyl benzyl phthalate	149	10.107	10.101	0.000	98	374724	1000.0	1090.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
91 3,3'-Dichlorobenzidine	252	10.560	10.554	0.001	70	502756	2000.0	2528.2	
89 Benzo[a]anthracene	228	10.565	10.559	0.000	99	685076	1000.0	1030.8	
90 Chrysene	228	10.601	10.601	0.000	93	692680	1000.0	991.1	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.624	0.000	82	551978	1000.0	1158.2	
93 Di-n-octyl phthalate	149	11.295	11.295	0.000	99	939492	1000.0	1170.5	
94 Benzo[b]fluoranthene	252	11.659	11.659	0.000	93	773658	1000.0	1201.2	
95 Benzofluoranthene	252	11.659	11.659	-0.030	0	1538204	2000.0	2132.7	a
96 Benzo[k]fluoranthene	252	11.689	11.689	0.000	97	791216	1000.0	984.1	
97 Benzo[a]pyrene	252	12.024	12.024	0.000	77	660428	1000.0	1098.1	
98 Indeno[1,2,3-cd]pyrene	276	13.342	13.342	0.000	96	474994	1000.0	858.5	
99 Dibenz(a,h)anthracene	278	13.377	13.377	0.000	76	536045	1000.0	775.5	
100 Benzo[g,h,i]perylene	276	13.653	13.653	0.000	92	531579	1000.0	750.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_8270_1000_00057

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a031.D

Injection Date: 22-Mar-2022 23:41:30

Instrument ID: TAC040

Lims ID: CCVC

Client ID:

Operator ID: jcm

ALS Bottle#: 3

Worklist Smp#: 30

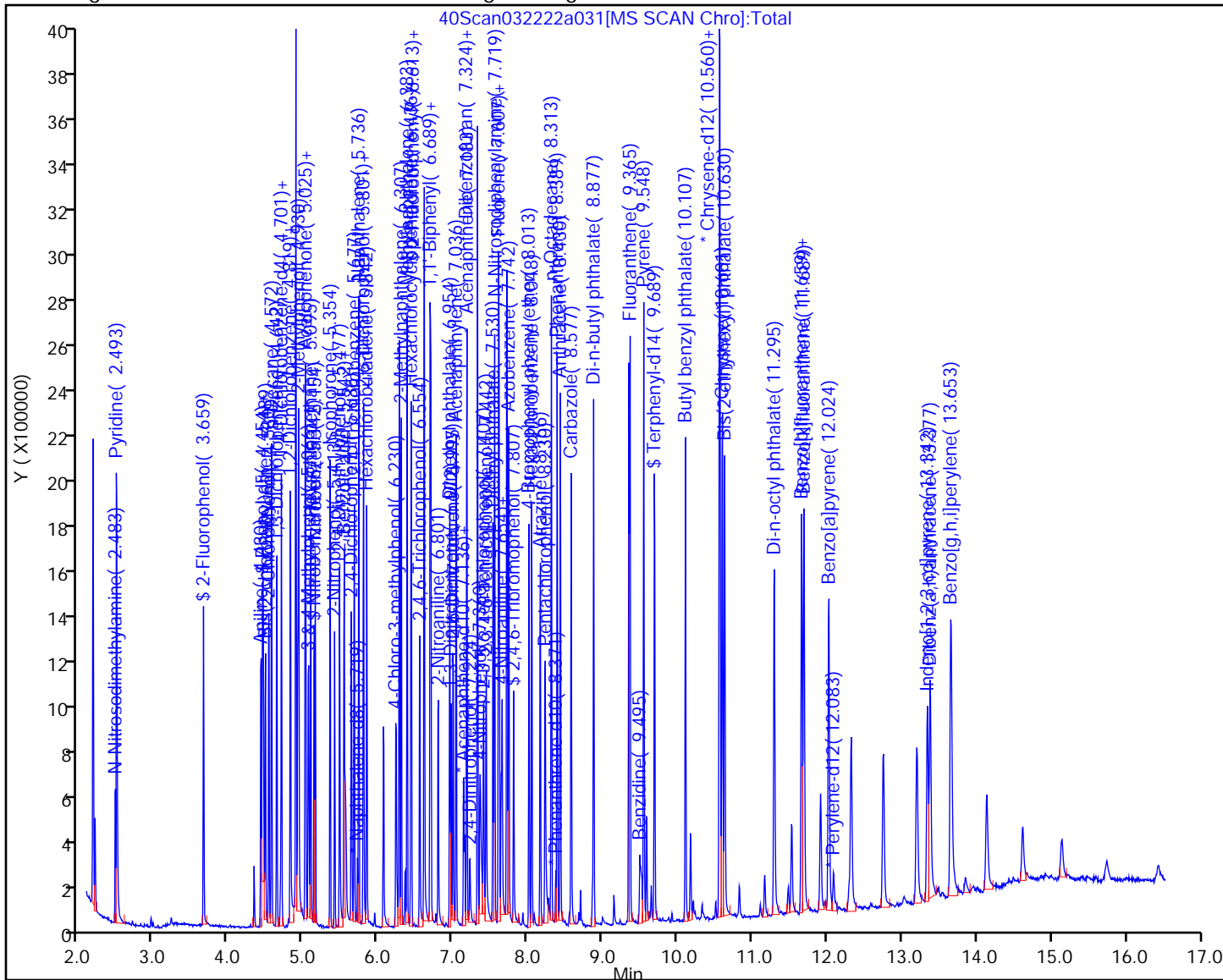
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

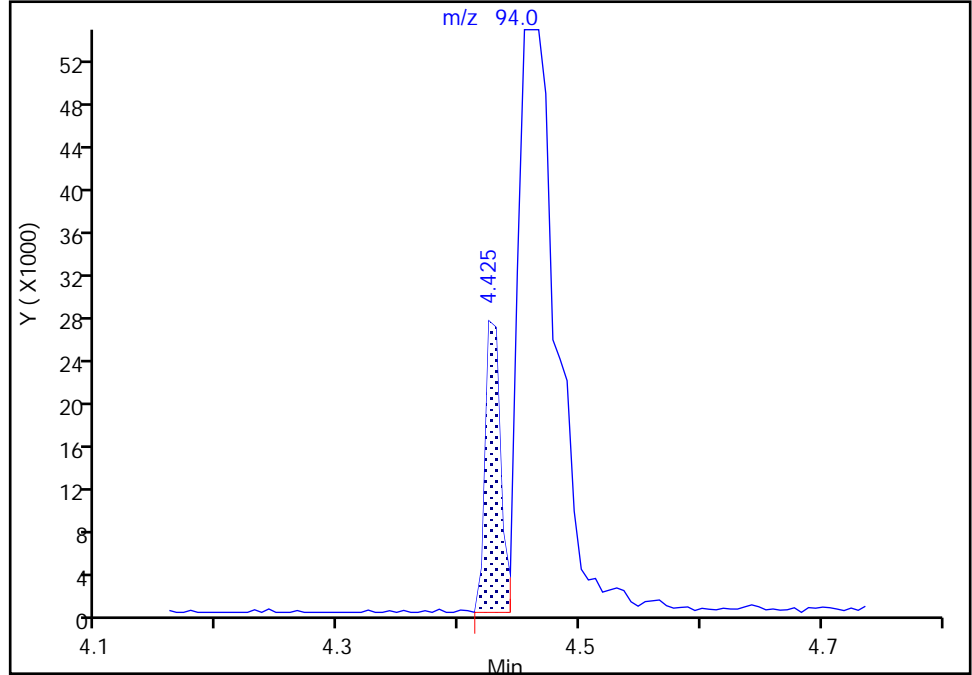
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Injection Date: 22-Mar-2022 23:41:30 Instrument ID: TAC040
Lims ID: CCVC
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

18 Phenol, CAS: 108-95-2

Signal: 1

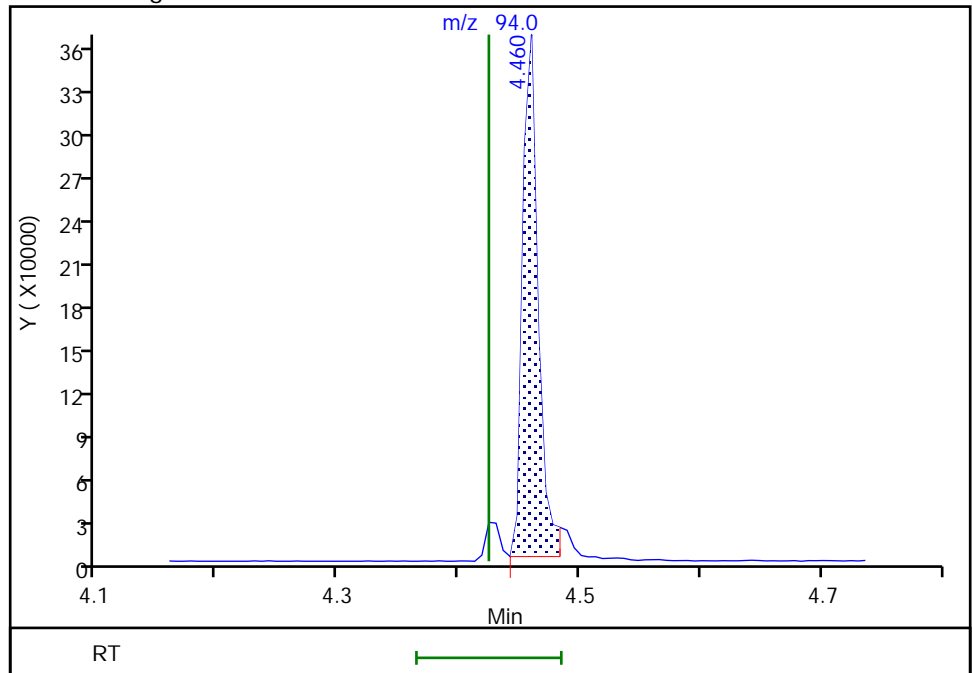
RT: 4.42
Area: 24150
Amount: 67.640224
Amount Units: ug/L

Processing Integration Results



RT: 4.46
Area: 322999
Amount: 904.6677
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 23-Mar-2022 16:11:13
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle

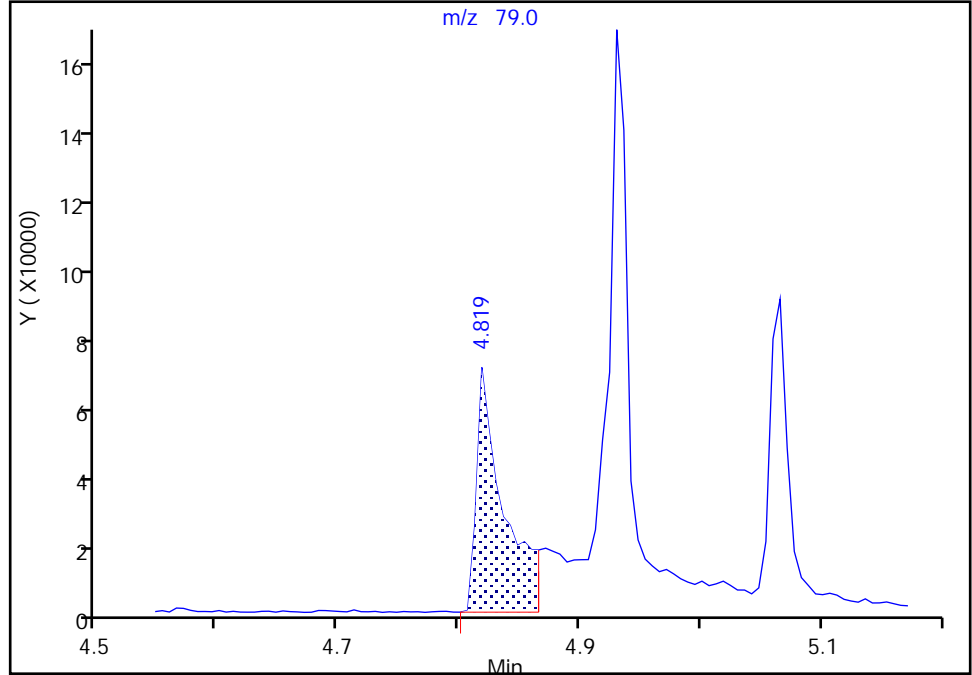
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Injection Date: 22-Mar-2022 23:41:30 Instrument ID: TAC040
Lims ID: CCVC
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

27 Benzyl alcohol, CAS: 100-51-6

Signal: 1

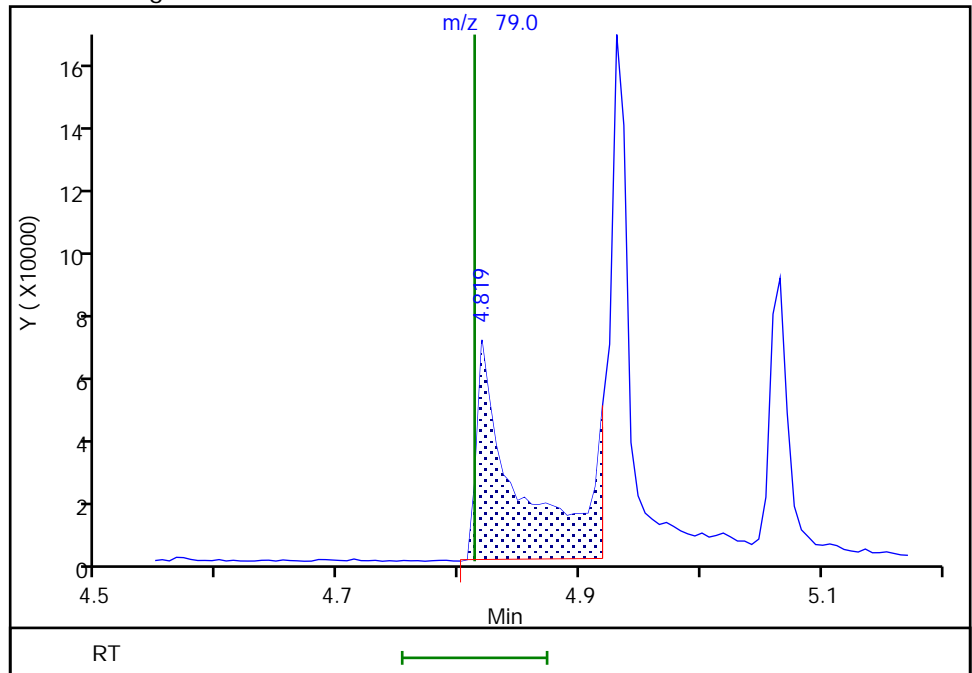
RT: 4.82
Area: 105511
Amount: 539.5965
Amount Units: ug/L

Processing Integration Results



RT: 4.82
Area: 163552
Amount: 811.2713
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 23-Mar-2022 16:11:27
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

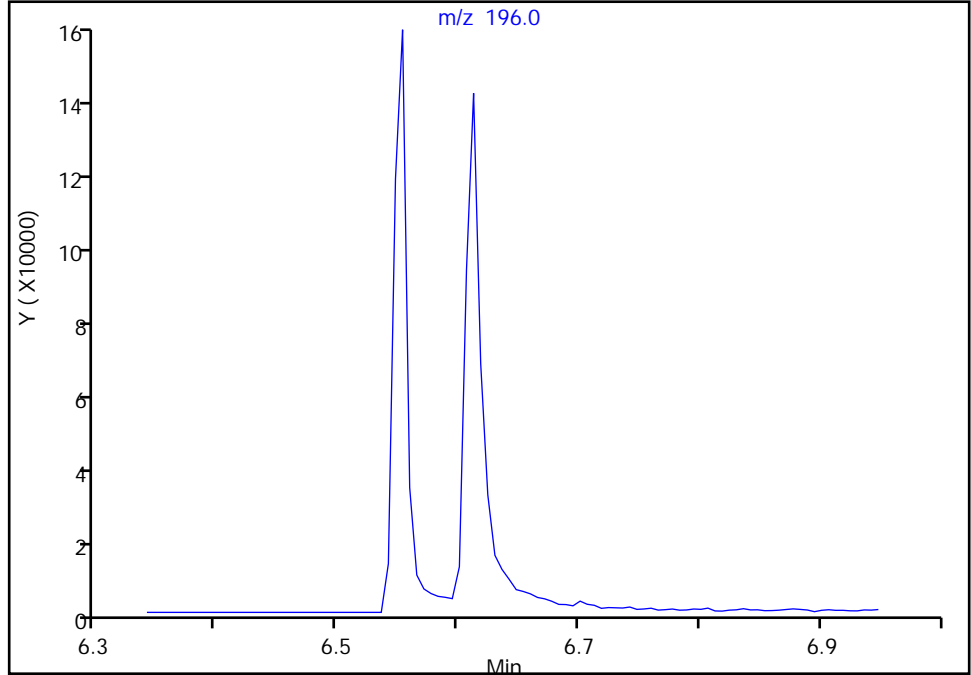
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Injection Date: 22-Mar-2022 23:41:30 Instrument ID: TAC040
Lims ID: CCVC
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

51 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

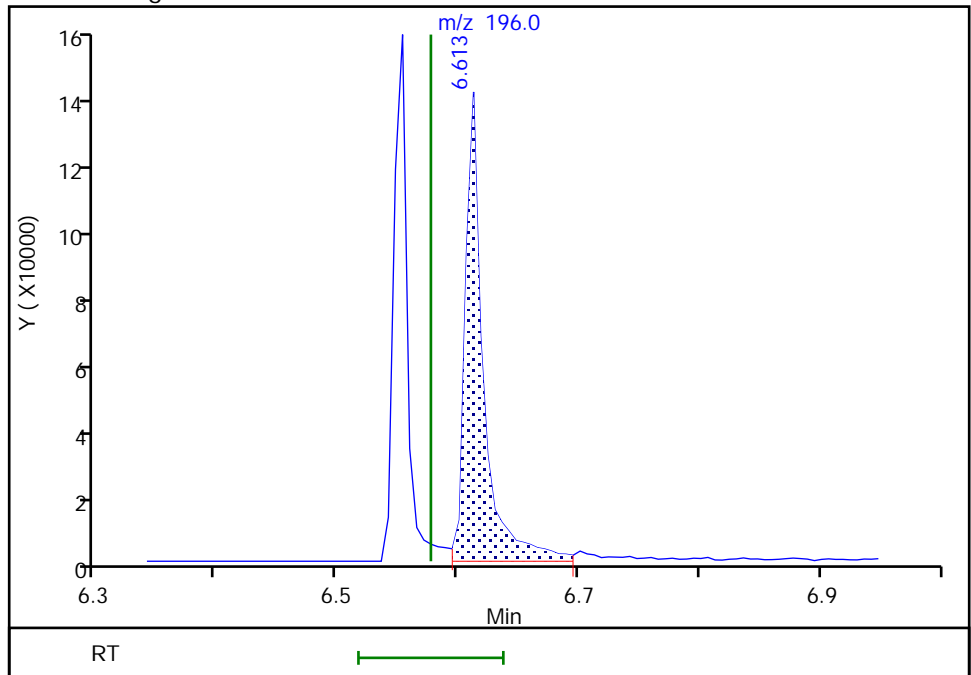
Not Detected
Expected RT: 6.58

Processing Integration Results



RT: 6.61
Area: 148447
Amount: 1022.8643
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 23-Mar-2022 16:11:43
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle

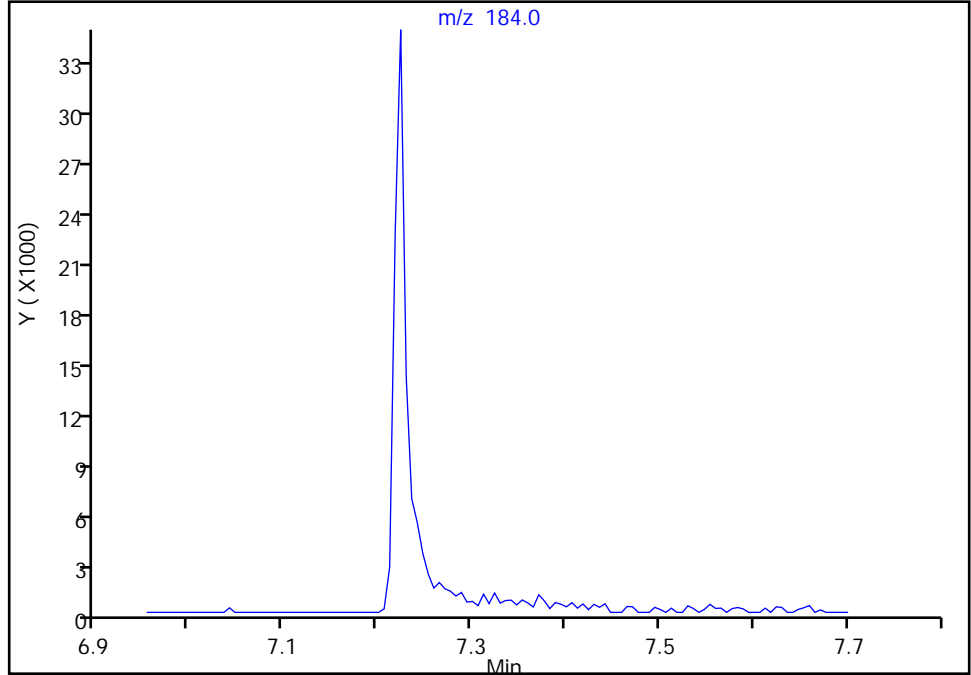
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Injection Date: 22-Mar-2022 23:41:30 Instrument ID: TAC040
Lims ID: CCVC
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

69 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

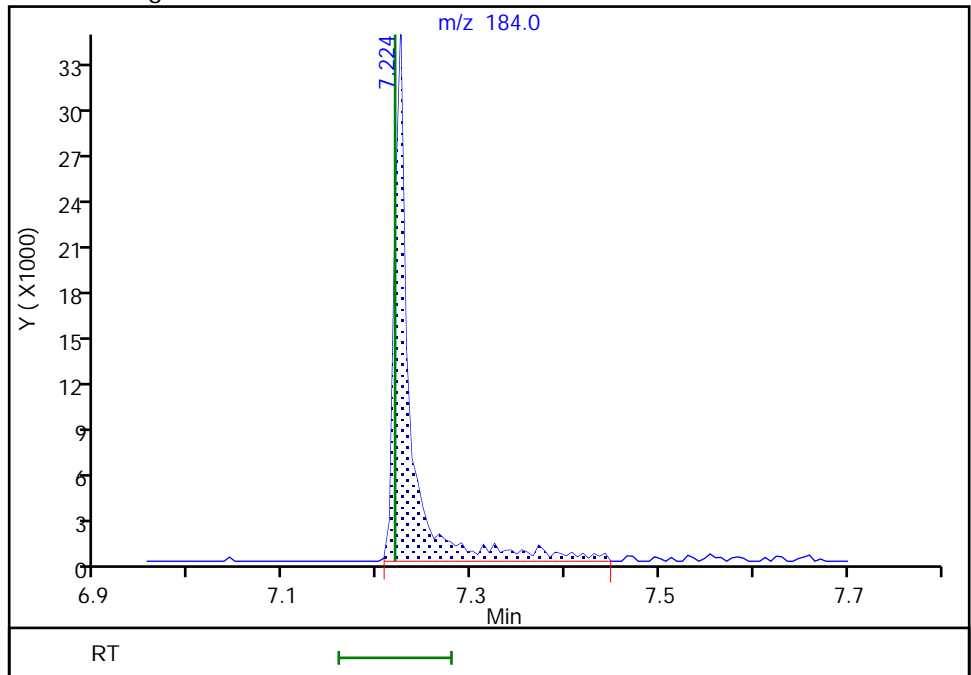
Not Detected
Expected RT: 7.22

Processing Integration Results



Manual Integration Results

RT: 7.22
Area: 40865
Amount: 1392.6532
Amount Units: ug/L



Reviewer: limmere, 23-Mar-2022 16:11:50
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle

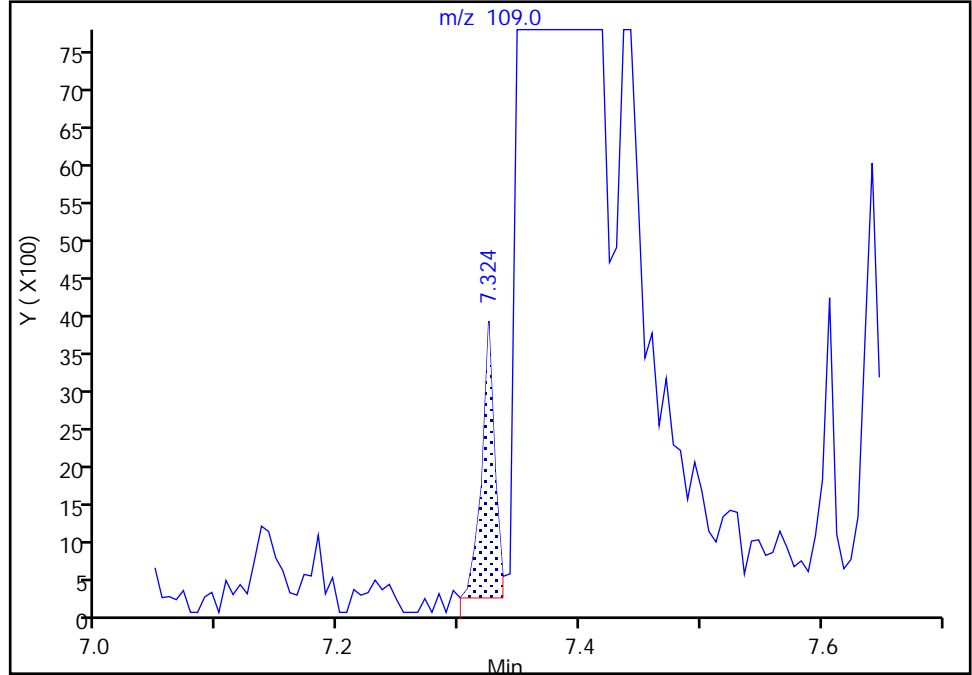
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Injection Date: 22-Mar-2022 23:41:30 Instrument ID: TAC040
Lims ID: CCVC
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 4-Nitrophenol, CAS: 100-02-7

Signal: 1

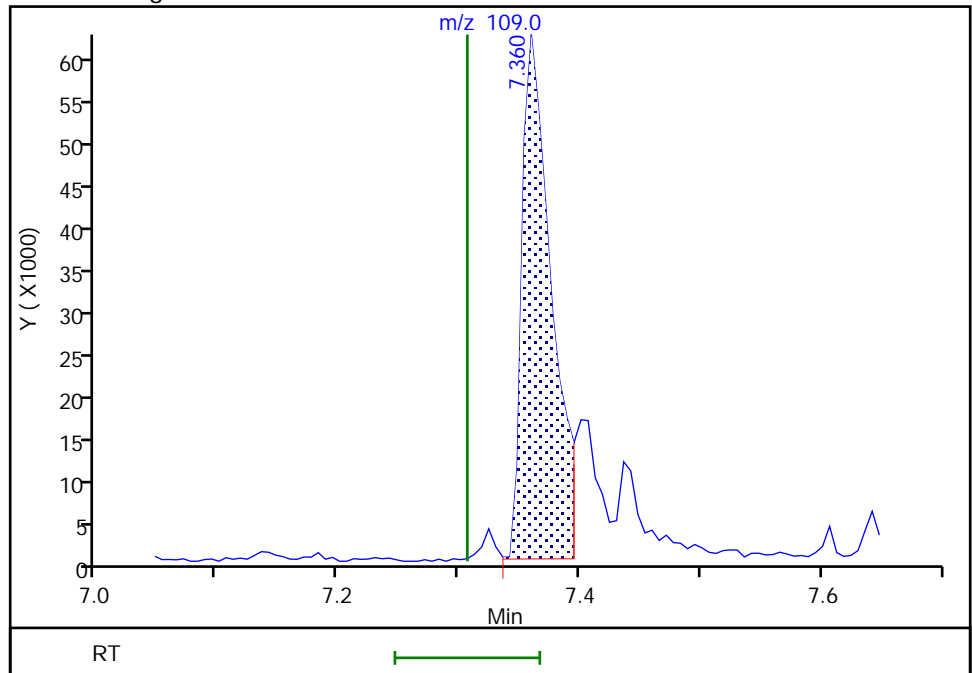
RT: 7.32
Area: 2734
Amount: 412.3072
Amount Units: ug/L

Processing Integration Results



RT: 7.36
Area: 106418
Amount: 1836.2455
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 23-Mar-2022 16:11:53
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle

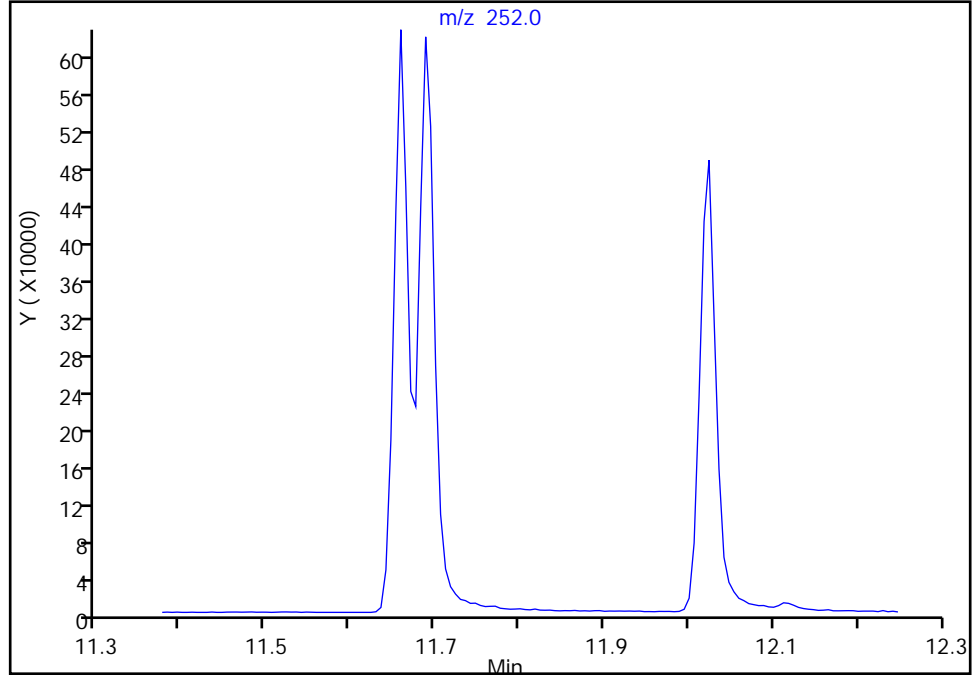
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Injection Date: 22-Mar-2022 23:41:30 Instrument ID: TAC040
Lims ID: CCVC
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

95 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

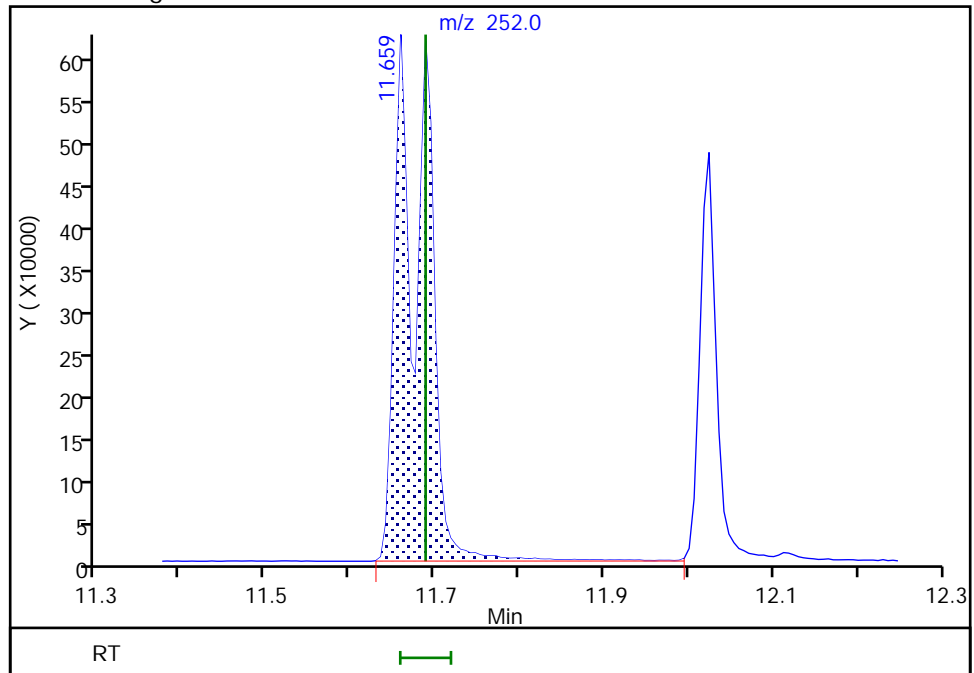
Not Detected
Expected RT: 11.69

Processing Integration Results



RT: 11.66
Area: 1538204
Amount: 2132.6861
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 23-Mar-2022 16:12:07
Audit Action: Assigned Compound ID

Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-384789/3 Calibration Date: 03/23/2022 03:18
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032322x004.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.8987	1.018	0.0100	1130	1000	13.3	20.0
Pyridine	Lin1		1.686	0.0100	2290	2000	14.4	20.0
Aniline	Qua1		1.986	0.0100	976	1000	-2.4	20.0
Phenol	Ave	1.816	1.767	0.8000	973	1000	-2.7	20.0
Bis(2-chloroethyl)ether	Ave	1.308	1.376	0.7000	1050	1000	5.2	20.0
2-Chlorophenol	Ave	1.359	1.398	0.8000	1030	1000	2.9	20.0
n-Decane	Lin2		1.911		1140	1000	13.5	20.0
1,3-Dichlorobenzene	Ave	1.524	1.589	0.0100	1040	1000	4.3	20.0
1,4-Dichlorobenzene	Ave	1.568	1.663	0.0100	1060	1000	6.0	20.0
1,2-Dichlorobenzene	Ave	1.480	1.544	0.0100	1040	1000	4.3	20.0
Benzyl alcohol	Lin1		0.8992	0.0100	873	1000	-12.7	20.0
bis (2-chloroisopropyl) ether	Ave	2.464	2.717	0.0100	1100	1000	10.3	20.0
o-Cresol	Ave	1.261	1.320	0.7000	1050	1000	4.6	20.0
Acetophenone	Ave	1.846	1.939	0.0100	1050	1000	5.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.181	1.208	0.5000	1020	1000	2.3	20.0
m+p-Cresol	Ave	1.249	1.307	0.6000	1050	1000	4.6	20.0
Hexachloroethane	Ave	0.6934	0.7637	0.3000	1100	1000	10.1	20.0
Nitrobenzene	Ave	1.614	1.711	0.2000	1060	1000	6.0	20.0
Isophorone	Lin1		2.956	0.4000	1110	1000	10.7	20.0
2-Nitrophenol	Ave	0.6182	0.6857	0.1000	1110	1000	10.9	20.0
2,4-Dimethylphenol	Ave	0.3423	0.3322	0.2000	971	1000	-2.9	20.0
Bis(2-chloroethoxy)methane	Ave	1.615	1.740	0.3000	1080	1000	7.7	20.0
Benzoic acid	Qua1		0.7636	0.0100	2350	2000	17.4	20.0
2,4-Dichlorophenol	Ave	0.2446	0.2507	0.2000	1030	1000	2.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3147	0.3008	0.0100	956	1000	-4.4	20.0
Naphthalene	Ave	1.016	1.016	0.7000	1000	1000	0.0	20.0
4-Chloroaniline	Ave	0.3247	0.3029	0.0100	933	1000	-6.7	20.0
2,6-Dichlorophenol	Ave	0.4879	0.5263	0.0100	1080	1000	7.9	20.0
Hexachlorobutadiene	Ave	0.1835	0.1794	0.0100	977	1000	-2.3	20.0
4-Chloro-3-methylphenol	Qua2		0.5382	0.2000	1020	1000	2.3	20.0
2-Methylnaphthalene	Ave	0.6294	0.6146	0.4000	976	1000	-2.4	20.0
1-Methylnaphthalene	Ave	0.6112	0.5736	0.0100	938	1000	-6.2	20.0
Hexachlorocyclopentadiene	Ave	0.3509	0.4005	0.0500	1140	1000	14.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6185	0.5960		964	1000	-3.6	20.0
2,4,6-Trichlorophenol	Lin2		0.3442	0.2000	997	1000	-0.3	20.0
2,4,5-Trichlorophenol	Lin2		0.3908	0.2000	999	1000	-0.1	20.0
1,1'-Biphenyl	Ave	1.432	1.449	0.0100	1010	1000	1.2	20.0
2-Chloronaphthalene	Ave	1.167	1.177	0.8000	1010	1000	0.8	20.0
2-Nitroaniline	Qua2		0.4055	0.0100	1090	1000	9.0	20.0
Dimethyl phthalate	Ave	1.226	1.232	0.0100	1010	1000	0.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-384789/3 Calibration Date: 03/23/2022 03:18
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032322x004.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin2		0.2674	0.2000	964	1000	-3.6	20.0
Acenaphthylene	Ave	1.841	1.836	0.9000	997	1000	-0.3	20.0
3-Nitroaniline	Lin2		0.2578	0.0100	1020	1000	2.2	20.0
Acenaphthene	Ave	1.231	1.248	0.9000	1010	1000	1.4	20.0
2,4-Dinitrophenol	Lin1		0.1256	0.0100	2260	2000	12.8	20.0
2,4-Dinitrotoluene	Lin2		0.3553	0.2000	1010	1000	0.7	20.0
Dibenzofuran	Ave	1.574	1.613	0.8000	1020	1000	2.5	20.0
4-Nitrophenol	Lin1		0.1377	0.0100	1780	2000	-11.1	20.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2702	0.0100	963	1000	-3.7	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3430	0.0100	1110	1000	10.6	20.0
Diethyl phthalate	Ave	1.313	1.355	0.0100	1030	1000	3.2	20.0
Fluorene	Ave	1.262	1.307	0.9000	1040	1000	3.6	20.0
4-Chlorophenyl phenyl ether	Ave	0.5619	0.5735	0.4000	1020	1000	2.1	20.0
4-Nitroaniline	Ave	0.2383	0.2561	0.0100	1070	1000	7.4	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.0937	0.0100	2030	2000	1.5	20.0
N-Nitrosodiphenylamine	Ave	0.5255	0.5142	0.0100	978	1000	-2.2	20.0
Azobenzene	Ave	1.004	1.052		1050	1000	4.8	20.0
4-Bromophenyl phenyl ether	Ave	0.2386	0.2279	0.1000	955	1000	-4.5	20.0
Hexachlorobenzene	Lin2		0.3186	0.1000	946	1000	-5.4	20.0
Atrazine	Lin2		0.3102	0.0100	1020	1000	2.1	20.0
Pentachlorophenol	Lin2		0.1280	0.0500	1860	2000	-7.2	20.0
n-Octadecane	Ave	0.5506	0.5542		1010	1000	0.6	20.0
Phenanthrene	Ave	1.090	1.068	0.7000	980	1000	-2.0	20.0
Anthracene	Ave	1.107	1.064	0.7000	961	1000	-3.9	20.0
Carbazole	Qua1		0.9137	0.0100	1140	1000	14.0	20.0
Di-n-butyl phthalate	Ave	1.360	1.366	0.0100	1000	1000	0.4	20.0
Fluoranthene	Ave	1.141	1.143	0.6000	1000	1000	0.2	20.0
Benidine	Qua2		0.1814	0.0100	2350	2000	17.7	20.0
Pyrene	Ave	1.206	1.169	0.6000	969	1000	-3.1	20.0
Butyl benzyl phthalate	Ave	0.6015	0.6484	0.0100	1080	1000	7.8	20.0
3,3'-Dichlorobenzidine	Ave	0.3481	0.4340	0.0100	2490	2000	24.7*	20.0
Benzo[a]anthracene	Ave	1.163	1.166	0.8000	1000	1000	0.2	20.0
Chrysene	Ave	1.223	1.182	0.7000	966	1000	-3.4	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8342	0.9212	0.0100	1100	1000	10.4	20.0
Di-n-octyl phthalate	Lin2		1.442	0.0100	1130	1000	12.7	20.0
Benzo[b]fluoranthene	Ave	1.028	1.075	0.7000	1050	1000	4.6	20.0
Benzo[k]fluoranthene	Ave	1.283	1.312	0.7000	1020	1000	2.3	20.0
Benzo[fluoranthene	Ave	1.151	1.190		2070	2000	3.4	20.0
Benzo[a]pyrene	Ave	0.9599	1.023	0.7000	1070	1000	6.6	20.0
Indeno[1,2,3-cd]pyrene	Qua2		0.995	0.5000	1110	1000	10.8	20.0
Dibenz(a,h)anthracene	Lin2		1.134	0.4000	1020	1000	2.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-384789/3 Calibration Date: 03/23/2022 03:18
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032322x004.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	1.130	1.255	0.5000	1110	1000	11.1	20.0
2-Fluorophenol (Surr)	Ave	1.327	1.423		1070	1000	7.2	20.0
Phenol-d5 (Surr)	Ave	1.602	1.794		1120	1000	12.0	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4057	0.4082		1010	1000	0.6	20.0
2-Fluorobiphenyl	Ave	1.329	1.334		1000	1000	0.4	20.0
2,4,6-Tribromophenol (Surr)	Qua2		0.1726	0.0100	983	1000	-1.7	20.0
Terphenyl-d14	Ave	0.7918	0.7794		984	1000	-1.6	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x004.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 23-Mar-2022 03:18:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: ccvis
 Operator ID: jcm Instrument ID: TAC040
 Sublist: chrom-8270TAC040*sub20
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 23-Mar-2022 13:38:02 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1607

First Level Reviewer: limmere

Date: 23-Mar-2022 13:38:02

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	90	17396	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	72245	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	94	35558	100.0	100.0	
* 4 Phenanthrene-d10	188	8.372	8.372	0.000	97	59984	100.0	100.0	
* 5 Chrysene-d12	240	10.571	10.571	0.000	57	52126	100.0	100.0	
* 6 Perylene-d12	264	12.089	12.089	0.000	96	56182	100.0	100.0	
\$ 7 2-Fluorophenol	112	3.659	3.659	0.000	94	247516	1000.0	1072.4	
\$ 8 Phenol-d5	99	4.442	4.442	0.000	0	312100	1000.0	1120.1	
\$ 9 Nitrobenzene-d5	82	5.136	5.136	0.000	94	294893	1000.0	1006.0	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	99	474439	1000.0	1003.7	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	93	103510	1000.0	983.4	
\$ 12 Terphenyl-d14	244	9.689	9.689	0.000	98	467492	1000.0	984.3	
15 N-Nitrosodimethylamine	74	2.483	2.483	0.000	86	177072	1000.0	1132.6	
16 Pyridine	79	2.499	2.499	0.000	90	586668	2000.0	2287.3	
17 Aniline	93	4.425	4.425	0.000	93	345543	1000.0	976.2	
18 Phenol	94	4.454	4.454	0.000	96	307317	1000.0	972.8	a
19 Bis(2-chloroethyl)ether	93	4.489	4.489	0.000	87	239405	1000.0	1052.5	
20 2-Chlorophenol	128	4.531	4.531	0.000	94	243191	1000.0	1028.7	
21 n-Decane	57	4.566	4.566	0.000	94	332504	1000.0	1135.4	
22 1,3-Dichlorobenzene	146	4.636	4.636	0.000	93	276357	1000.0	1042.7	
23 1,4-Dichlorobenzene	146	4.701	4.701	0.000	91	289268	1000.0	1060.3	
27 Benzyl alcohol	79	4.819	4.819	0.000	50	156426	1000.0	873.2	M
24 1,2-Dichlorobenzene	146	4.819	4.819	0.000	90	268611	1000.0	1043.3	
25 2,2'-oxybis[1-chloropropane]	45	4.925	4.925	0.000	80	472672	1000.0	1102.9	
28 2-Methylphenol	108	4.931	4.931	0.000	97	229599	1000.0	1046.5	
29 Acetophenone	105	5.019	5.019	0.000	87	337298	1000.0	1050.3	
30 N-Nitrosodi-n-propylamine	70	5.025	5.025	0.000	93	210108	1000.0	1023.0	
32 3 & 4 Methylphenol	108	5.060	5.060	0.000	0	227283	1000.0	1045.7	
31 Hexachloroethane	117	5.095	5.095	0.000	97	132854	1000.0	1101.5	
33 Nitrobenzene	77	5.154	5.154	0.000	89	297726	1000.0	1060.1	
34 Isophorone	82	5.354	5.354	0.000	97	514178	1000.0	1106.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 2-Nitrophenol	139	5.413	5.413	0.000	92	119277	1000.0	1109.1	
37 2,4-Dimethylphenol	107	5.478	5.478	0.000	97	240014	1000.0	970.6	
38 Bis(2-chloroethoxy)methane	93	5.536	5.536	0.000	90	302621	1000.0	1077.1	
36 Benzoic acid	105	5.554	5.554	0.000	89	265674	2000.0	2349.0	M
39 2,4-Dichlorophenol	162	5.636	5.636	0.000	96	181133	1000.0	1025.2	
40 1,2,4-Trichlorobenzene	180	5.678	5.678	0.000	92	217285	1000.0	955.6	
41 Naphthalene	128	5.736	5.736	0.000	98	734343	1000.0	1000.2	
43 4-Chloroaniline	127	5.795	5.795	0.000	76	218822	1000.0	932.9	
42 2,6-Dichlorophenol	162	5.801	5.801	0.000	90	187139	1000.0	1078.7	
44 Hexachlorobutadiene	225	5.842	5.842	0.000	94	129583	1000.0	977.2	
45 4-Chloro-3-methylphenol	107	6.230	6.230	0.000	93	191385	1000.0	1023.0	
46 2-Methylnaphthalene	142	6.301	6.301	0.000	74	443991	1000.0	976.4	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	89	414375	1000.0	938.5	
48 Hexachlorocyclopentadiene	237	6.430	6.430	0.000	88	142402	1000.0	1141.1	
49 1,2,4,5-Tetrachlorobenzene	216	6.442	6.442	0.000	97	211925	1000.0	963.6	
50 2,4,6-Trichlorophenol	196	6.548	6.548	0.000	92	122406	1000.0	996.7	
51 2,4,5-Trichlorophenol	196	6.607	6.607	0.000	56	138960	1000.0	998.7	a
52 1,1'-Biphenyl	154	6.689	6.689	0.000	97	515115	1000.0	1011.5	
53 2-Chloronaphthalene	162	6.701	6.701	0.000	97	418448	1000.0	1008.0	
54 2-Nitroaniline	138	6.795	6.795	0.000	78	144172	1000.0	1090.0	
55 Dimethyl phthalate	163	6.954	6.954	0.000	96	438232	1000.0	1005.4	
56 1,3-Dinitrobenzene	168	6.972	6.972	0.000	54	54769	1000.0	994.5	
57 2,6-Dinitrotoluene	165	6.995	6.995	0.000	64	95093	1000.0	964.3	
58 Acenaphthylene	152	7.036	7.036	0.000	91	652733	1000.0	997.4	
59 3-Nitroaniline	138	7.142	7.142	0.000	90	91661	1000.0	1021.9	
60 Acenaphthene	153	7.183	7.183	0.000	96	443756	1000.0	1013.9	
69 2,4-Dinitrophenol	184	7.225	7.225	0.000	77	89306	2000.0	2256.9	a
62 2,4-Dinitrotoluene	165	7.325	7.325	0.000	64	126326	1000.0	1007.4	
61 Dibenzofuran	168	7.325	7.325	0.000	89	573704	1000.0	1025.0	
63 4-Nitrophenol	109	7.360	7.360	0.000	31	97950	2000.0	1777.2	a
64 2,3,5,6-Tetrachlorophenol	232	7.407	7.407	0.000	83	96071	1000.0	962.9	
65 2,3,4,6-Tetrachlorophenol	232	7.442	7.442	0.000	71	121969	1000.0	1105.8	
66 Diethyl phthalate	149	7.530	7.530	0.000	95	481943	1000.0	1031.9	
67 Fluorene	166	7.607	7.607	0.000	81	464872	1000.0	1036.0	
68 4-Chlorophenyl phenyl ether	204	7.613	7.613	0.000	93	203914	1000.0	1020.5	
70 4-Nitroaniline	138	7.642	7.642	0.000	52	91048	1000.0	1074.4	
73 4,6-Dinitro-2-methylphenol	198	7.654	7.654	0.000	69	112465	2000.0	2029.2	
71 N-Nitrosodiphenylamine	169	7.713	7.713	0.000	65	308411	1000.0	978.4	
72 Azobenzene	77	7.742	7.742	0.000	94	631185	1000.0	1047.7	
74 4-Bromophenyl phenyl ether	248	8.013	8.013	0.000	71	136725	1000.0	955.3	
75 Hexachlorobenzene	284	8.048	8.048	0.000	90	191085	1000.0	945.6	
76 Atrazine	200	8.160	8.160	0.000	74	110313	1000.0	1021.2	
77 Pentachlorophenol	266	8.230	8.230	0.000	93	153579	2000.0	1855.3	
78 n-Octadecane	43	8.313	8.313	0.000	89	332418	1000.0	1006.5	
79 Phenanthrene	178	8.389	8.389	0.000	98	640627	1000.0	979.8	
80 Anthracene	178	8.430	8.430	0.000	98	638134	1000.0	961.1	
81 Carbazole	167	8.577	8.577	0.000	81	548048	1000.0	1139.8	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	99	819345	1000.0	1004.3	
84 Fluoranthene	202	9.366	9.366	0.000	99	685838	1000.0	1001.8	
85 Benzidine	184	9.495	9.495	0.000	98	217656	2000.0	2353.7	M
86 Pyrene	202	9.548	9.548	0.000	95	701025	1000.0	969.0	
87 Butyl benzyl phthalate	149	10.107	10.107	0.000	97	337987	1000.0	1078.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
91 3,3'-Dichlorobenzidine	252	10.560	10.560	0.000	69	452493	2000.0	2493.9	M
89 Benzo[a]anthracene	228	10.565	10.565	0.000	99	607662	1000.0	1002.1	
90 Chrysene	228	10.601	10.601	0.000	93	616148	1000.0	966.2	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.630	0.000	82	480168	1000.0	1104.3	
93 Di-n-octyl phthalate	149	11.289	11.289	0.000	99	810329	1000.0	1126.8	
94 Benzo[b]fluoranthene	252	11.660	11.660	0.000	95	604034	1000.0	1045.9	
95 Benzofluoranthene	252	11.689	11.689	0.000	0	1337350	2000.0	2067.9	
96 Benzo[k]fluoranthene	252	11.689	11.689	0.000	96	737322	1000.0	1022.8	
97 Benzo[a]pyrene	252	12.024	12.024	0.000	77	574798	1000.0	1065.8	
98 Indeno[1,2,3-cd]pyrene	276	13.342	13.342	0.000	93	559124	1000.0	1107.6	
99 Dibenz(a,h)anthracene	278	13.377	13.377	0.000	2	637263	1000.0	1023.7	
100 Benzo[g,h,i]perylene	276	13.654	13.654	0.000	93	705117	1000.0	1110.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_8270_1000_00057

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x004.D

Injection Date: 23-Mar-2022 03:18:30

Instrument ID: TAC040

Lims ID: CCVIS

Client ID:

Operator ID: jcm

ALS Bottle#: 3

Worklist Smp#: 3

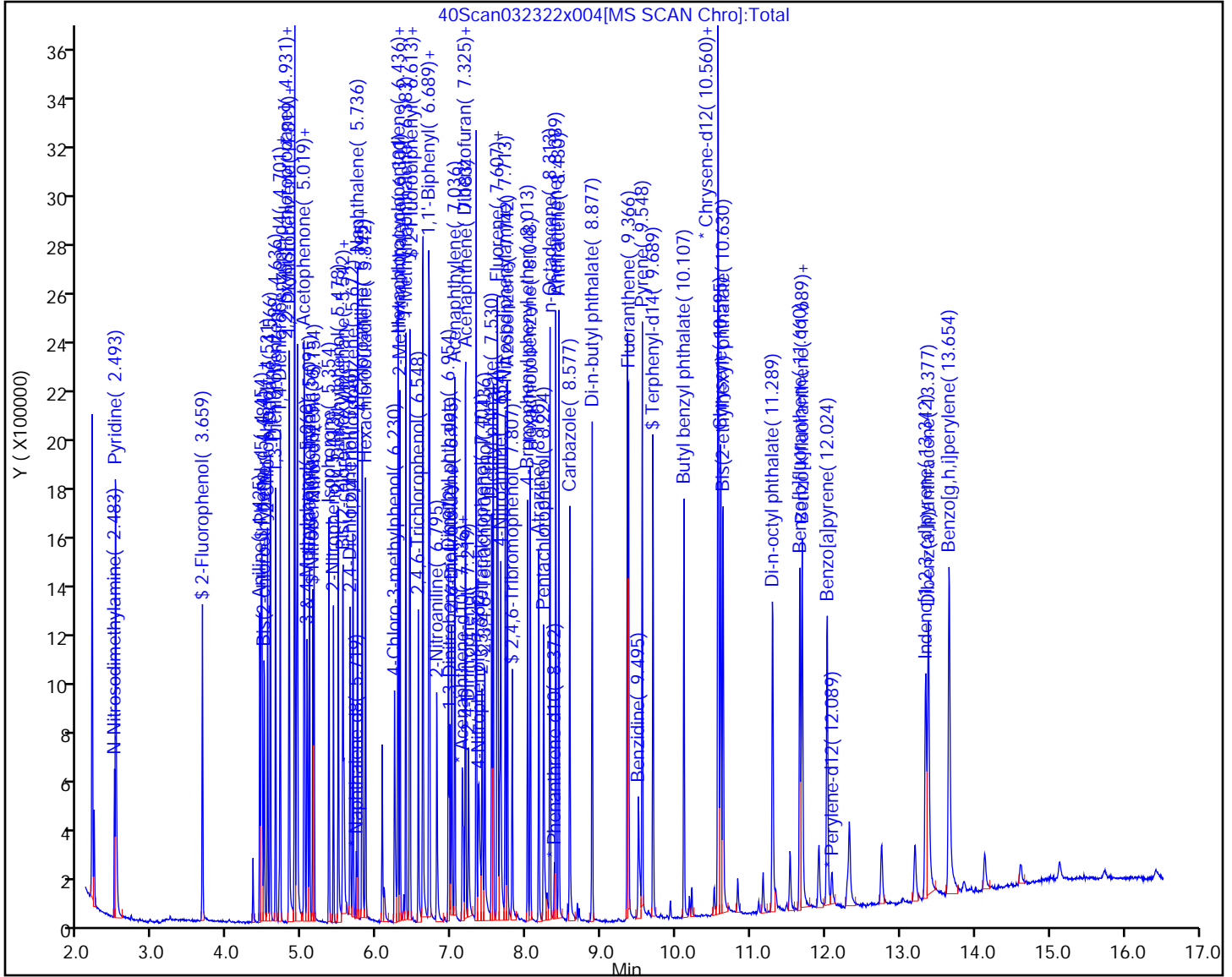
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

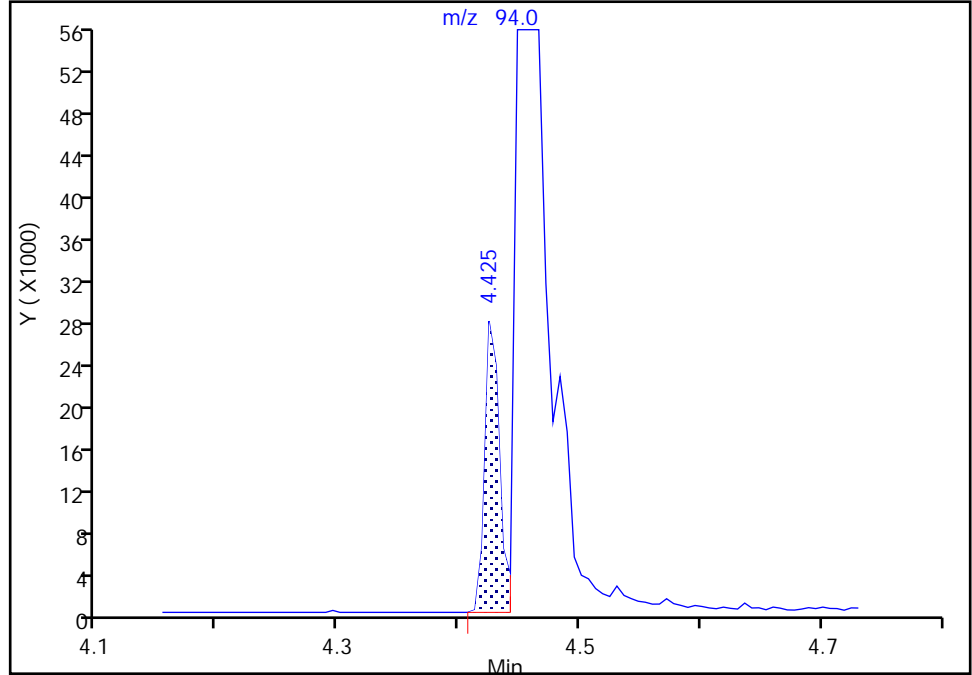
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Injection Date: 23-Mar-2022 03:18:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

18 Phenol, CAS: 108-95-2

Signal: 1

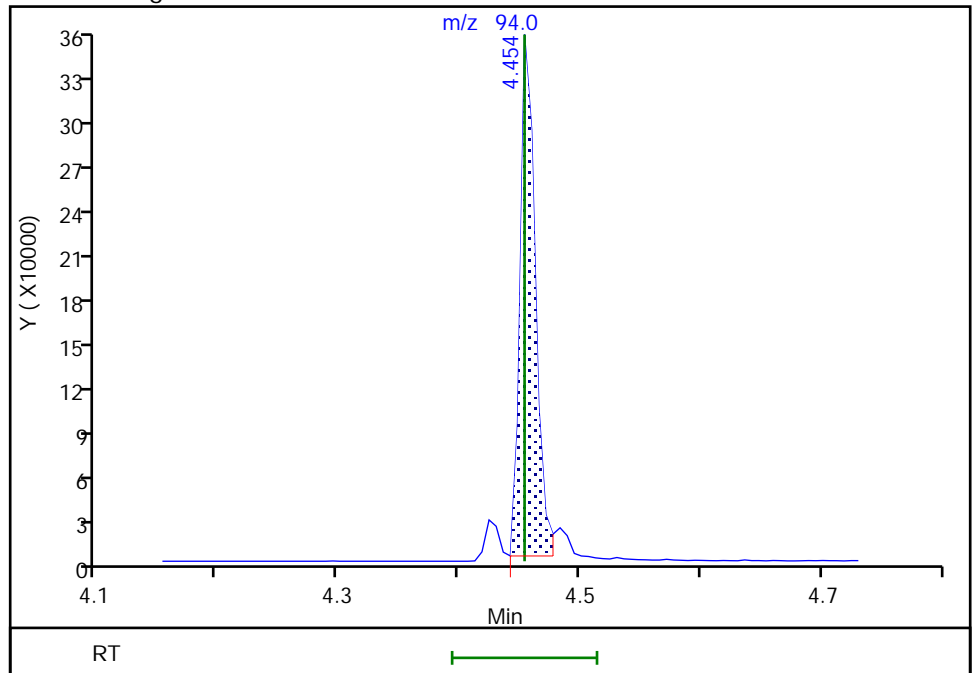
RT: 4.42
Area: 23857
Amount: 75.515803
Amount Units: ug/L

Processing Integration Results



RT: 4.45
Area: 307317
Amount: 972.7665
Amount Units: ug/L

Manual Integration Results



Reviewer: mohammedj, 23-Mar-2022 03:40:56
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle

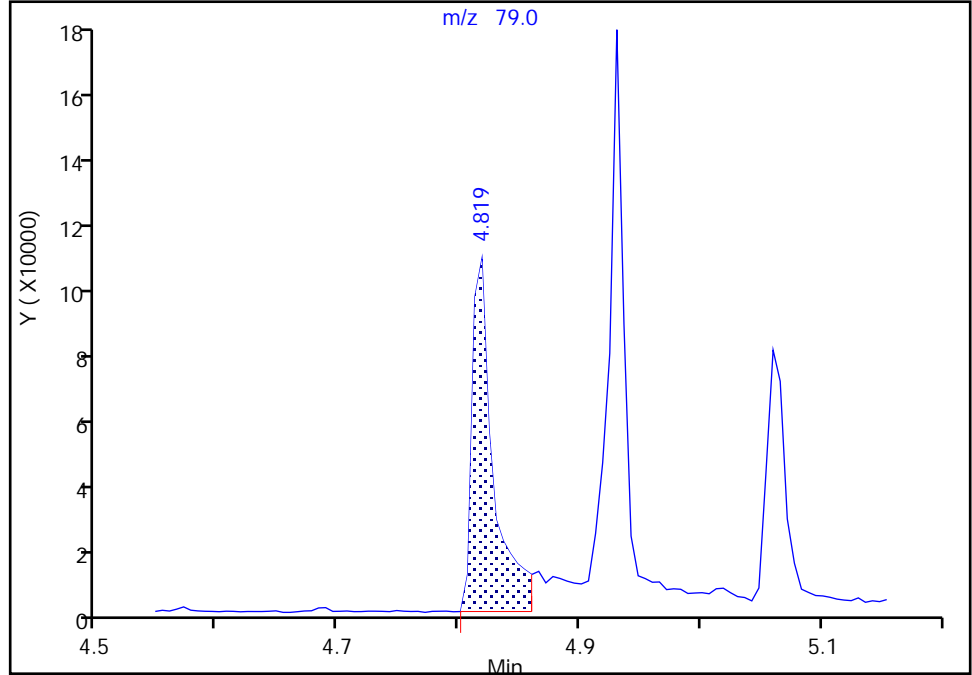
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Injection Date: 23-Mar-2022 03:18:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

27 Benzyl alcohol, CAS: 100-51-6

Signal: 1

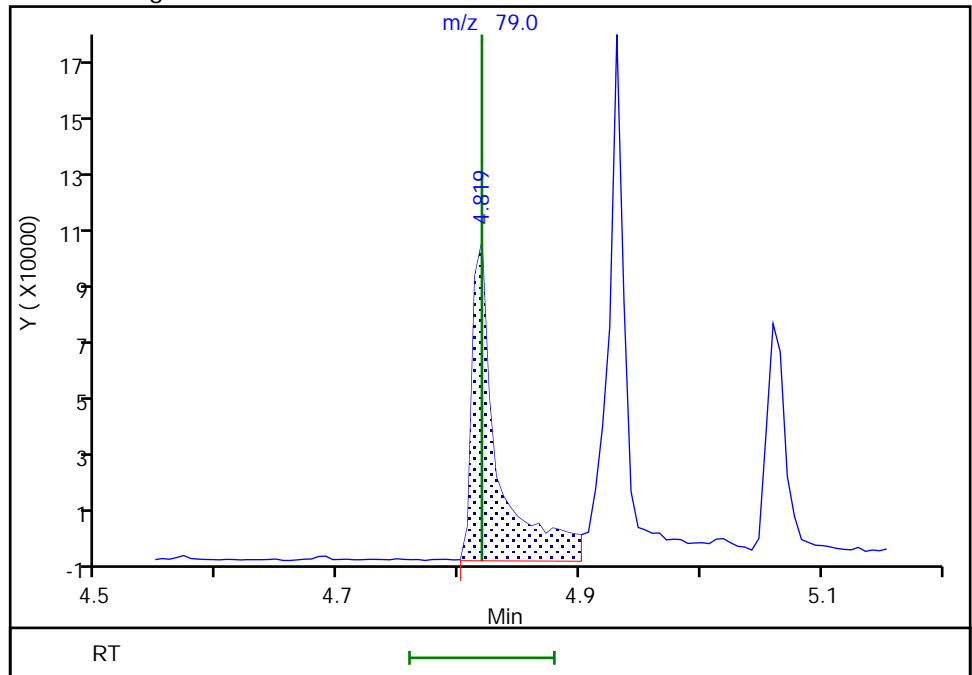
RT: 4.82
Area: 130163
Amount: 734.2780
Amount Units: ug/L

Processing Integration Results



RT: 4.82
Area: 156426
Amount: 873.2070
Amount Units: ug/L

Manual Integration Results



Reviewer: mohammedj, 23-Mar-2022 04:32:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

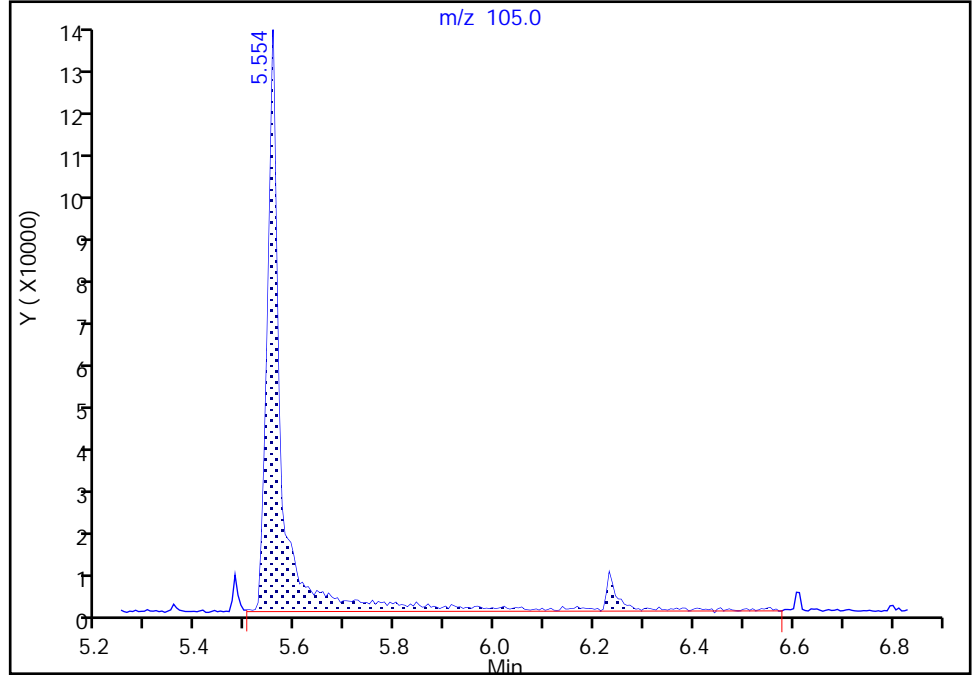
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x004.D
Injection Date: 23-Mar-2022 03:18:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

36 Benzoic acid, CAS: 65-85-0

Signal: 1

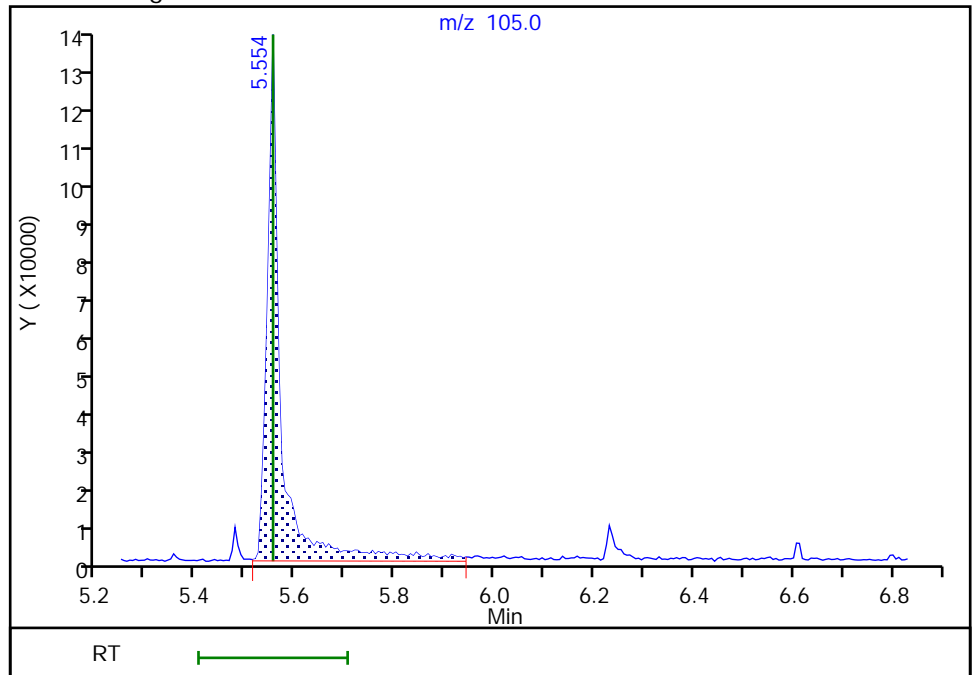
RT: 5.55
Area: 288831
Amount: 2517.3005
Amount Units: ug/L

Processing Integration Results



RT: 5.55
Area: 265674
Amount: 2348.9592
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 23-Mar-2022 13:37:09
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

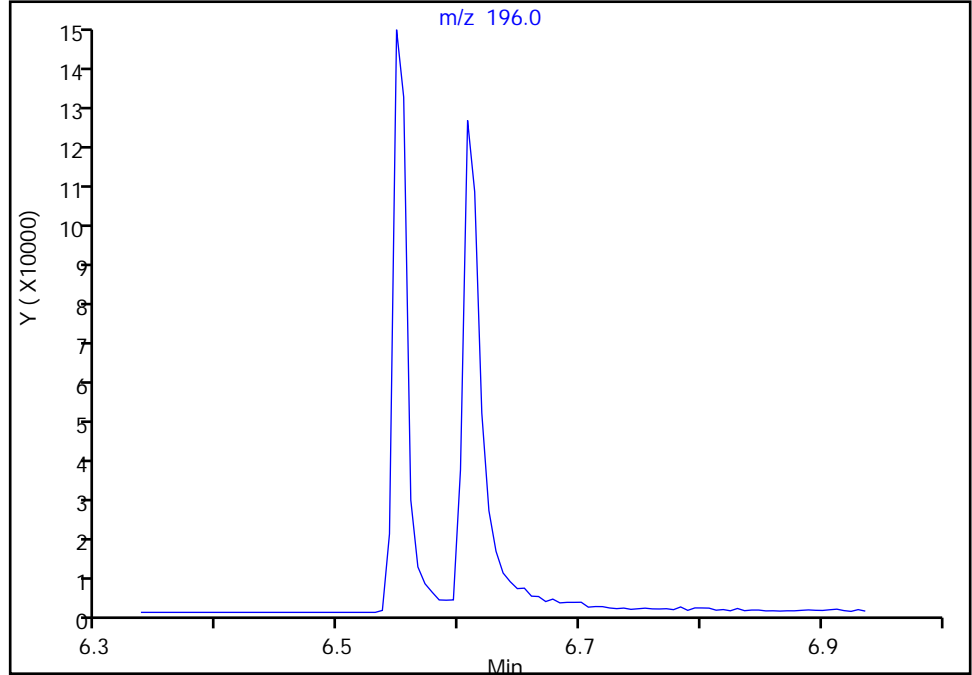
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x004.D
Injection Date: 23-Mar-2022 03:18:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

51 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

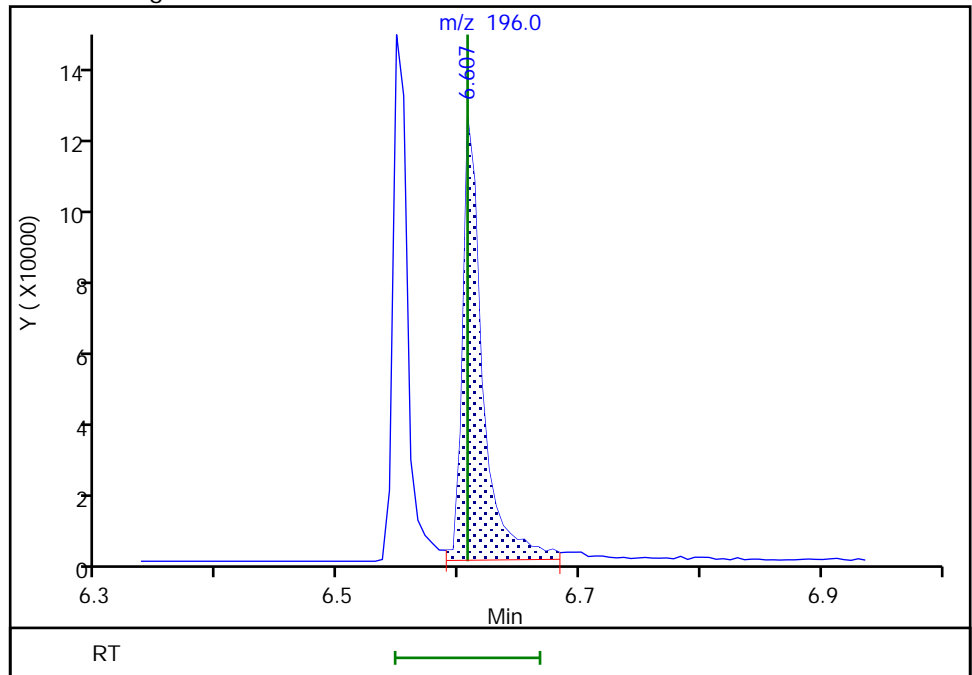
Not Detected
Expected RT: 6.61

Processing Integration Results



Manual Integration Results

RT: 6.61
Area: 138960
Amount: 998.6869
Amount Units: ug/L



Reviewer: mohammedj, 23-Mar-2022 03:40:41
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle

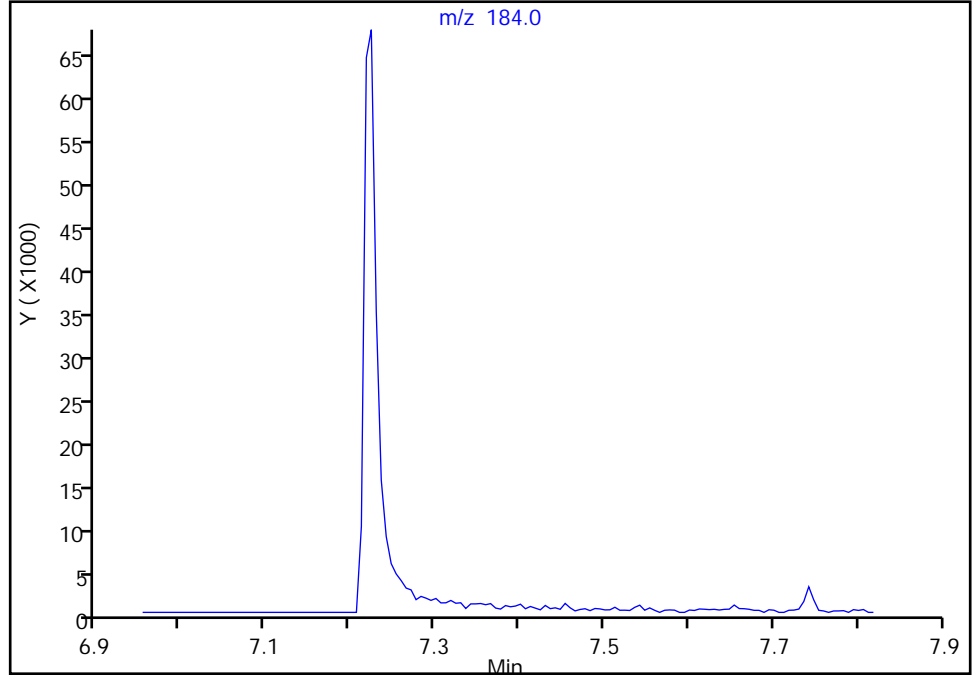
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Injection Date: 23-Mar-2022 03:18:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

69 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

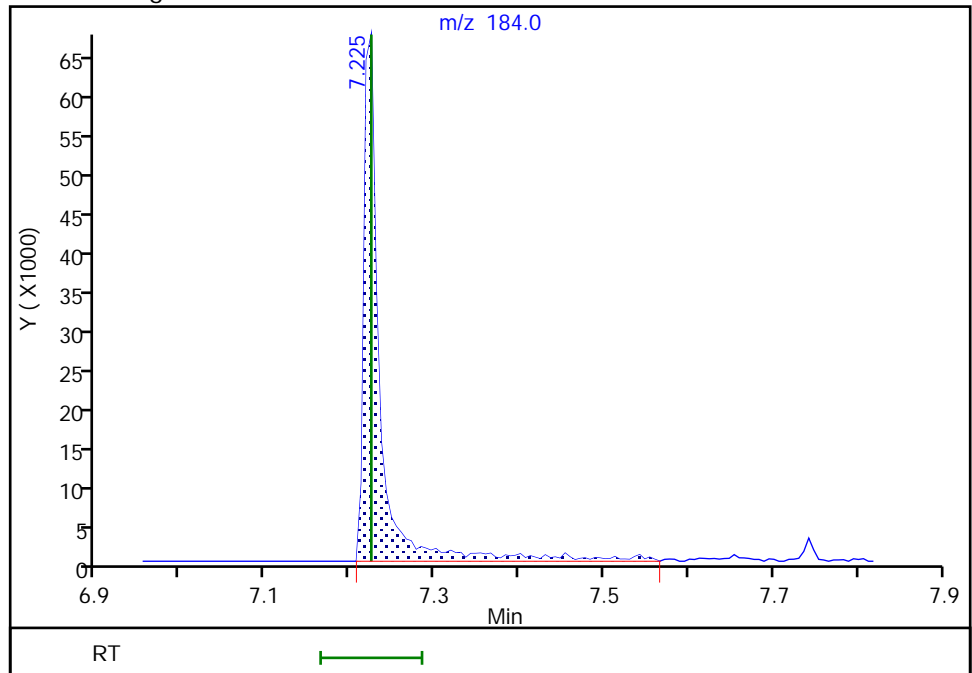
Not Detected
Expected RT: 7.22

Processing Integration Results



RT: 7.22
Area: 89306
Amount: 2256.9205
Amount Units: ug/L

Manual Integration Results



Reviewer: mohammedj, 23-Mar-2022 03:40:28
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle

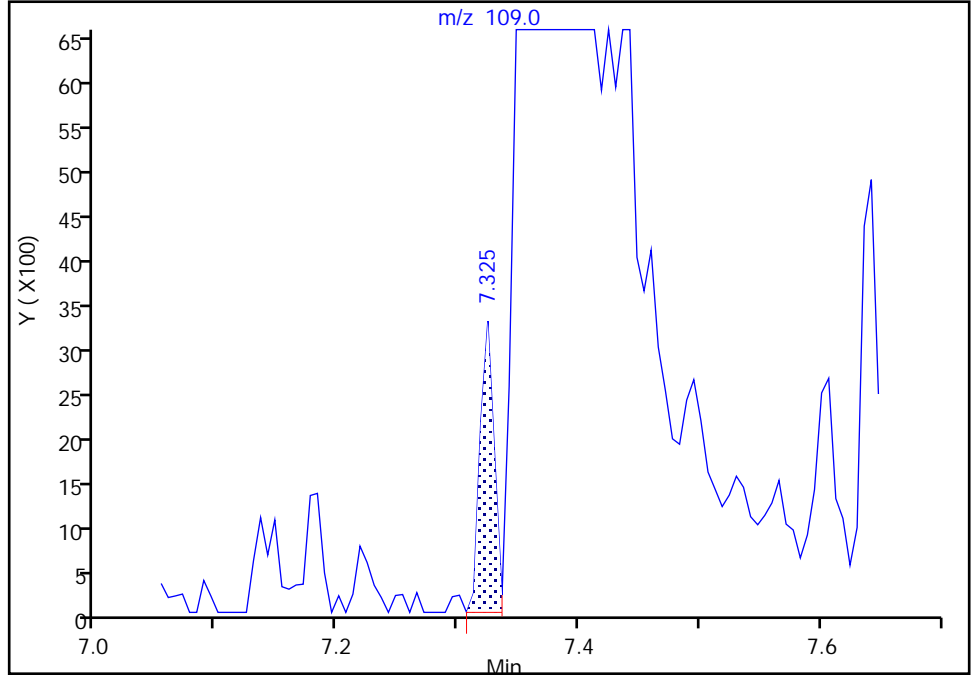
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Injection Date: 23-Mar-2022 03:18:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 4-Nitrophenol, CAS: 100-02-7

Signal: 1

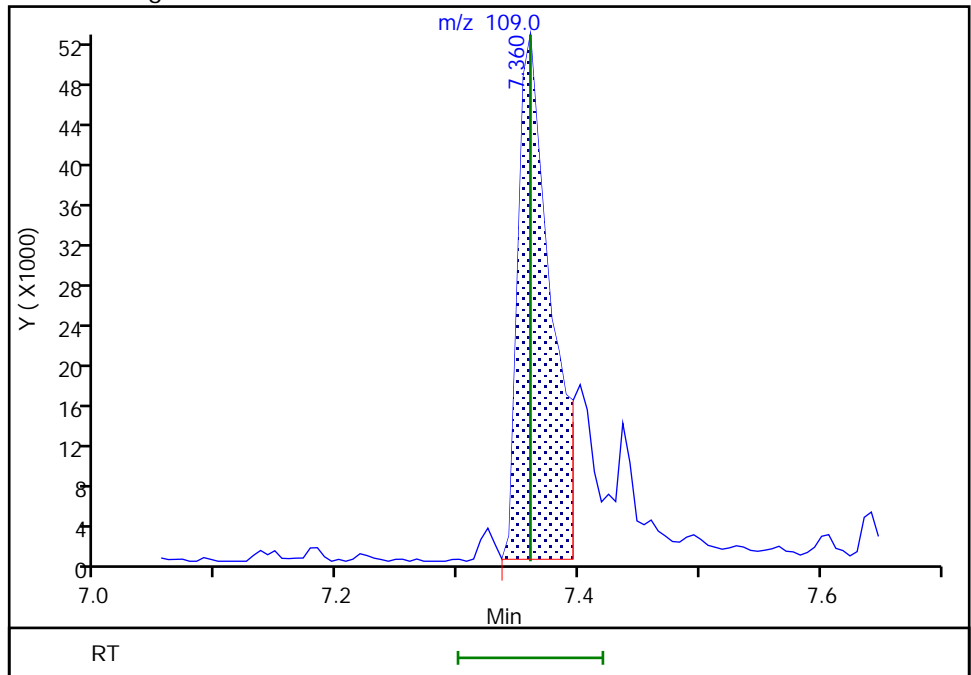
RT: 7.32
Area: 2658
Amount: 412.8167
Amount Units: ug/L

Processing Integration Results



RT: 7.36
Area: 97950
Amount: 1777.1889
Amount Units: ug/L

Manual Integration Results



Reviewer: mohammedj, 23-Mar-2022 03:40:33
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle

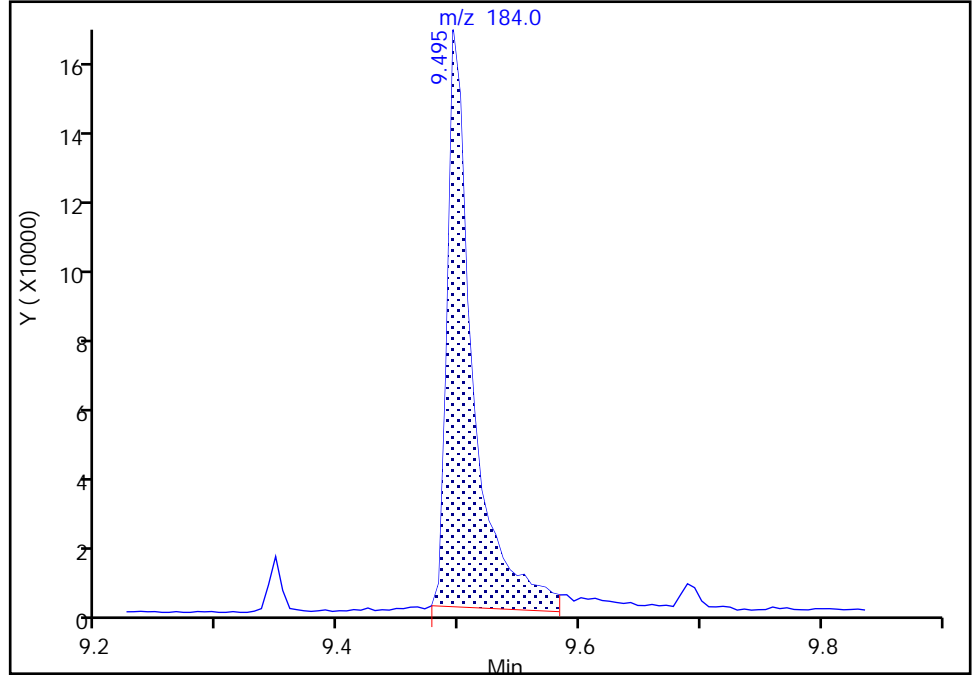
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x004.D
Injection Date: 23-Mar-2022 03:18:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

85 Benzidine, CAS: 92-87-5

Signal: 1

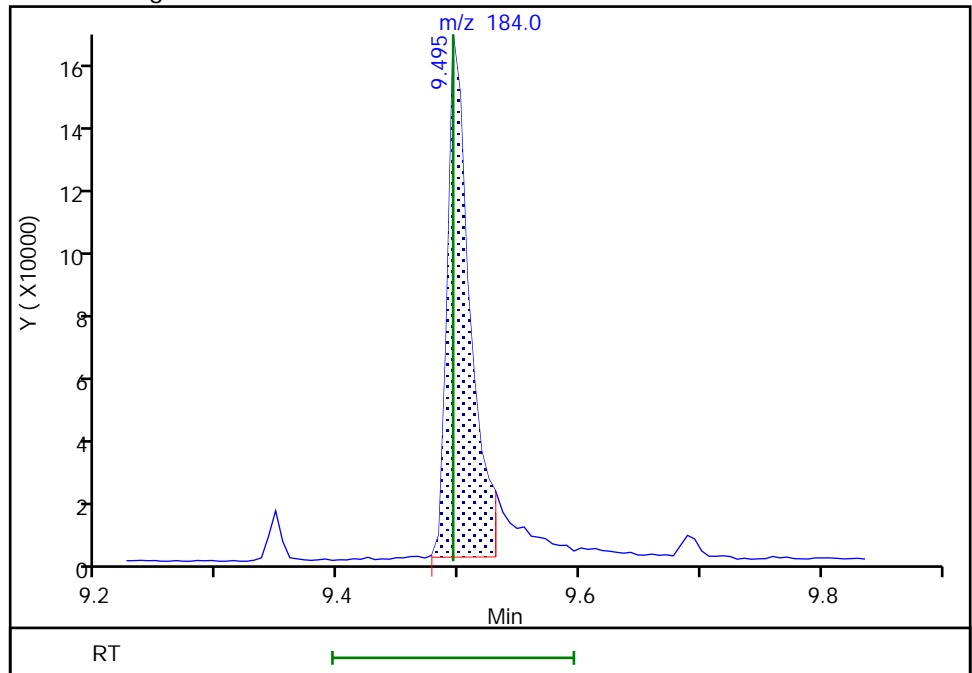
RT: 9.49
Area: 244396
Amount: 2582.5462
Amount Units: ug/L

Processing Integration Results



RT: 9.49
Area: 217656
Amount: 2353.6828
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 23-Mar-2022 13:37:39
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

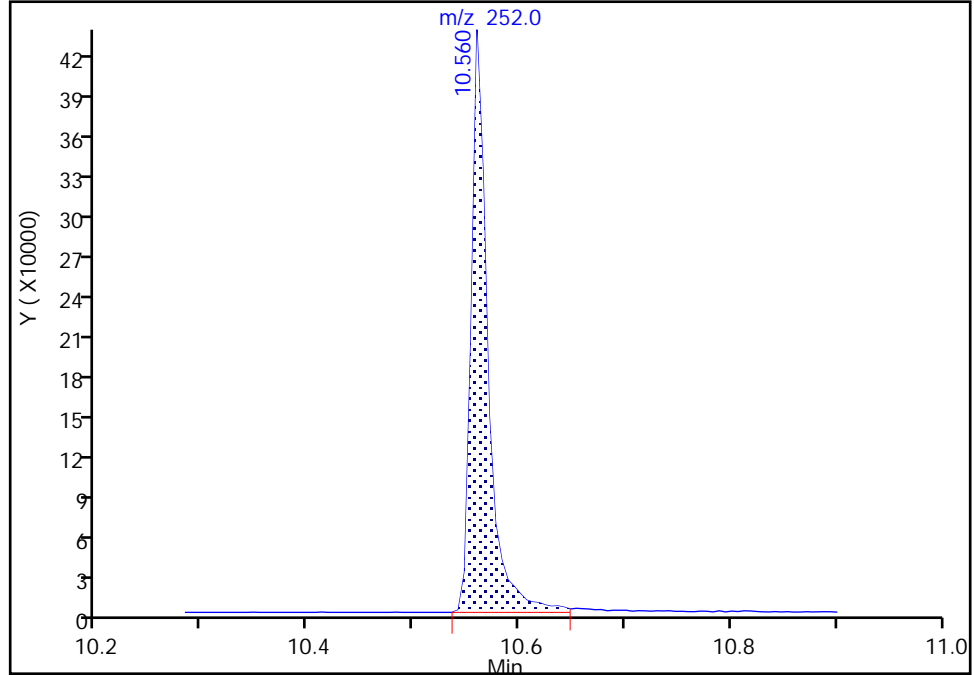
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x004.D
Injection Date: 23-Mar-2022 03:18:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

91 3,3'-Dichlorobenzidine, CAS: 91-94-1

Signal: 1

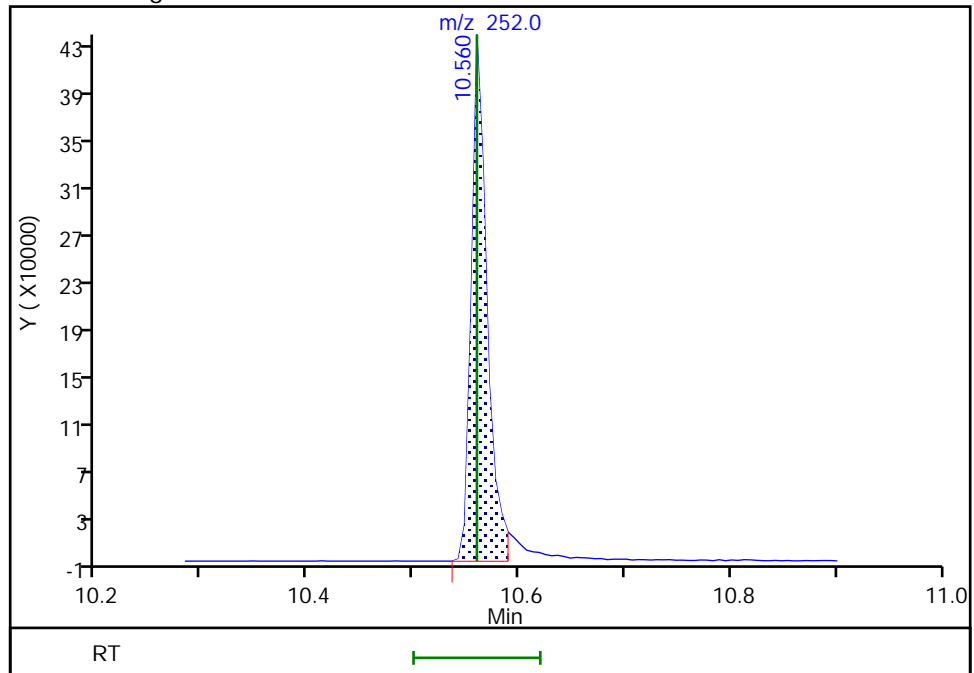
RT: 10.56
Area: 479981
Amount: 2645.4282
Amount Units: ug/L

Processing Integration Results



RT: 10.56
Area: 452493
Amount: 2493.9274
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 23-Mar-2022 13:37:52
Audit Action: Manually Integrated

Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVC 580-384789/23 Calibration Date: 03/23/2022 11:04
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032322x024.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.8987	0.9590	0.0100	1070	1000	6.7	50.0
Pyridine	Lin1		1.581	0.0100	2140	2000	7.2	50.0
Aniline	Qua1		2.003	0.0100	984	1000	-1.6	50.0
Phenol	Ave	1.816	1.591	0.8000	876	1000	-12.4	50.0
Bis(2-chloroethyl)ether	Ave	1.308	1.303	0.7000	996	1000	-0.4	50.0
2-Chlorophenol	Ave	1.359	1.318	0.8000	970	1000	-3.0	50.0
n-Decane	Lin2		1.774		1050	1000	5.3	50.0
1,3-Dichlorobenzene	Ave	1.524	1.538	0.0100	1010	1000	0.9	50.0
1,4-Dichlorobenzene	Ave	1.568	1.535	0.0100	979	1000	-2.1	50.0
Benzyl alcohol	Lin1		0.5987	0.0100	597	1000	-40.3	50.0
1,2-Dichlorobenzene	Ave	1.480	1.466	0.0100	990	1000	-1.0	50.0
bis (2-chloroisopropyl) ether	Ave	2.464	2.642	0.0100	1070	1000	7.2	50.0
o-Cresol	Ave	1.261	1.261	0.7000	1000	1000	-0.0	50.0
Acetophenone	Ave	1.846	1.845	0.0100	999	1000	-0.0	50.0
N-Nitrosodi-n-propylamine	Ave	1.181	1.170	0.5000	991	1000	-0.9	50.0
m+p-Cresol	Ave	1.249	1.195	0.6000	957	1000	-4.3	50.0
Hexachloroethane	Ave	0.6934	0.7101	0.3000	1020	1000	2.4	50.0
Nitrobenzene	Ave	1.614	1.653	0.2000	1020	1000	2.4	50.0
Isophorone	Lin1		2.759	0.4000	1030	1000	3.3	50.0
2-Nitrophenol	Ave	0.6182	0.6817	0.1000	1100	1000	10.3	50.0
2,4-Dimethylphenol	Ave	0.3423	0.3244	0.2000	948	1000	-5.2	50.0
Bis(2-chloroethoxy)methane	Ave	1.615	1.622	0.3000	1000	1000	0.4	50.0
Benzoic acid	Qua1		0.6475	0.0100	2050	2000	2.5	50.0
2,4-Dichlorophenol	Ave	0.2446	0.2521	0.2000	1030	1000	3.1	50.0
1,2,4-Trichlorobenzene	Ave	0.3147	0.3078	0.0100	978	1000	-2.2	50.0
Naphthalene	Ave	1.016	0.996	0.7000	980	1000	-2.0	50.0
4-Chloroaniline	Ave	0.3247	0.3202	0.0100	986	1000	-1.4	50.0
2,6-Dichlorophenol	Ave	0.4879	0.5262	0.0100	1080	1000	7.9	50.0
Hexachlorobutadiene	Ave	0.1835	0.1827	0.0100	996	1000	-0.4	50.0
4-Chloro-3-methylphenol	Qua2		0.5231	0.2000	995	1000	-0.5	50.0
2-Methylnaphthalene	Ave	0.6294	0.6207	0.4000	986	1000	-1.4	50.0
1-Methylnaphthalene	Ave	0.6112	0.5853	0.0100	958	1000	-4.2	50.0
Hexachlorocyclopentadiene	Ave	0.3509	0.3843	0.0500	1100	1000	9.5	50.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6185	0.6278		1010	1000	1.5	50.0
2,4,6-Trichlorophenol	Lin2		0.3445	0.2000	997	1000	-0.3	50.0
2,4,5-Trichlorophenol	Lin2		0.3570	0.2000	914	1000	-8.6	50.0
1,1'-Biphenyl	Ave	1.432	1.466	0.0100	1020	1000	2.4	50.0
2-Chloronaphthalene	Ave	1.167	1.193	0.8000	1020	1000	2.2	50.0
2-Nitroaniline	Qua2		0.3974	0.0100	1070	1000	6.9	50.0
Dimethyl phthalate	Ave	1.226	1.297	0.0100	1060	1000	5.8	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVC 580-384789/23 Calibration Date: 03/23/2022 11:04
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032322x024.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin2		0.2798	0.2000	1010	1000	0.8	50.0
Acenaphthylene	Ave	1.841	1.895	0.9000	1030	1000	3.0	50.0
3-Nitroaniline	Lin2		0.2737	0.0100	1080	1000	8.4	50.0
Acenaphthene	Ave	1.231	1.254	0.9000	1020	1000	1.9	50.0
2,4-Dinitrophenol	Lin1		0.0646	0.0100	1510	2000	-24.6	50.0
2,4-Dinitrotoluene	Lin2		0.3564	0.2000	1010	1000	1.1	50.0
Dibenzofuran	Ave	1.574	1.673	0.8000	1060	1000	6.3	50.0
4-Nitrophenol	Lin1		0.1330	0.0100	1730	2000	-13.6	50.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2626	0.0100	937	1000	-6.3	50.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3560	0.0100	1150	1000	14.7	50.0
Diethyl phthalate	Ave	1.313	1.397	0.0100	1060	1000	6.4	50.0
Fluorene	Ave	1.262	1.312	0.9000	1040	1000	4.0	50.0
4-Chlorophenyl phenyl ether	Ave	0.5619	0.6039	0.4000	1070	1000	7.5	50.0
4-Nitroaniline	Ave	0.2383	0.2733	0.0100	1150	1000	14.7	50.0
4,6-Dinitro-2-methylphenol	Lin2		0.0674	0.0100	1520	2000	-23.8	50.0
N-Nitrosodiphenylamine	Ave	0.5255	0.5297	0.0100	1010	1000	0.8	50.0
Azobenzene	Ave	1.004	1.094		1090	1000	9.0	50.0
4-Bromophenyl phenyl ether	Ave	0.2386	0.2332	0.1000	977	1000	-2.3	50.0
Hexachlorobenzene	Lin2		0.3332	0.1000	989	1000	-1.1	50.0
Atrazine	Lin2		0.3204	0.0100	1050	1000	5.4	50.0
Pentachlorophenol	Lin2		0.1338	0.0500	1930	2000	-3.5	50.0
n-Octadecane	Ave	0.5506	0.5896		1070	1000	7.1	50.0
Phenanthrene	Ave	1.090	1.094	0.7000	1000	1000	0.3	50.0
Anthracene	Ave	1.107	1.140	0.7000	1030	1000	3.0	50.0
Carbazole	Qua1		0.9774	0.0100	1230	1000	22.7	50.0
Di-n-butyl phthalate	Ave	1.360	1.403	0.0100	1030	1000	3.2	50.0
Fluoranthene	Ave	1.141	1.187	0.6000	1040	1000	4.0	50.0
Benidine	Qua2		0.2232	0.0100	2780	2000	38.8	50.0
Pyrene	Ave	1.206	1.220	0.6000	1010	1000	1.1	50.0
Butyl benzyl phthalate	Ave	0.6015	0.6322	0.0100	1050	1000	5.1	50.0
3,3'-Dichlorobenzidine	Ave	0.3481	0.4592	0.0100	2640	2000	31.9	50.0
Benzo[a]anthracene	Ave	1.163	1.125	0.8000	967	1000	-3.3	50.0
Chrysene	Ave	1.223	1.179	0.7000	964	1000	-3.6	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.8342	0.9284	0.0100	1110	1000	11.3	50.0
Di-n-octyl phthalate	Lin2		1.416	0.0100	1110	1000	10.6	50.0
Benzo[b]fluoranthene	Ave	1.028	1.145	0.7000	1110	1000	11.3	50.0
Benzo[k]fluoranthene	Ave	1.283	1.263	0.7000	984	1000	-1.6	50.0
Benzo[fluoranthene	Ave	1.151	1.183		2050	2000	2.7	50.0
Benzo[a]pyrene	Ave	0.9599	1.020	0.7000	1060	1000	6.3	50.0
Indeno[1,2,3-cd]pyrene	Qua2		1.066	0.5000	1180	1000	18.1	50.0
Dibenz(a,h)anthracene	Lin2		1.170	0.4000	1060	1000	5.6	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVC 580-384789/23 Calibration Date: 03/23/2022 11:04
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032322x024.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	1.130	1.304	0.5000	1150	1000	15.4	50.0
2-Fluorophenol (Surr)	Ave	1.327	1.326		999	1000	-0.0	50.0
Phenol-d5 (Surr)	Ave	1.602	1.703		1060	1000	6.3	50.0
Nitrobenzene-d5 (Surr)	Ave	0.4057	0.4204		1040	1000	3.6	50.0
2-Fluorobiphenyl	Ave	1.329	1.350		1020	1000	1.6	50.0
2,4,6-Tribromophenol (Surr)	Qua2		0.1870	0.0100	1060	1000	6.4	50.0
Terphenyl-d14	Ave	0.7918	0.8072		1020	1000	1.9	50.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x024.D
 Lims ID: ccvc
 Client ID:
 Sample Type: CCVC
 Inject. Date: 23-Mar-2022 11:04:30 ALS Bottle#: 3 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: ccvis
 Operator ID: jcm Instrument ID: TAC040
 Sublist: chrom-8270TAC040*sub20
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 23-Mar-2022 15:46:37 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1607

First Level Reviewer: limmere

Date: 23-Mar-2022 15:46:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	95	18588	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	72519	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	88	34534	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.372	-0.001	96	57211	100.0	100.0	
* 5 Chrysene-d12	240	10.571	10.571	0.000	55	53177	100.0	100.0	
* 6 Perylene-d12	264	12.089	12.089	0.000	93	56697	100.0	100.0	
\$ 7 2-Fluorophenol	112	3.659	3.659	0.000	94	246387	1000.0	999.1	
\$ 8 Phenol-d5	99	4.442	4.454	0.000	0	316568	1000.0	1063.3	
\$ 9 Nitrobenzene-d5	82	5.142	5.136	0.006	92	304877	1000.0	1036.2	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	99	466304	1000.0	1015.7	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	93	107011	1000.0	1063.9	
\$ 12 Terphenyl-d14	244	9.689	9.689	0.000	98	461818	1000.0	1019.4	
15 N-Nitrosodimethylamine	74	2.483	2.483	0.000	84	178254	1000.0	1067.0	
16 Pyridine	79	2.499	2.584	0.000	91	587606	2000.0	2143.6	
17 Aniline	93	4.431	4.442	0.006	95	372242	1000.0	984.3	
18 Phenol	94	4.454	4.466	0.000	62	295784	1000.0	876.2	
19 Bis(2-chloroethyl)ether	93	4.489	4.489	0.000	86	242141	1000.0	996.2	
20 2-Chlorophenol	128	4.531	4.531	-0.001	95	244919	1000.0	969.5	
21 n-Decane	57	4.572	4.566	0.006	95	329842	1000.0	1052.9	
22 1,3-Dichlorobenzene	146	4.636	4.636	0.000	92	285844	1000.0	1009.3	
23 1,4-Dichlorobenzene	146	4.701	4.701	0.000	89	285325	1000.0	978.8	
27 Benzyl alcohol	79	4.819	4.819	0.000	39	111285	1000.0	596.7	M
24 1,2-Dichlorobenzene	146	4.825	4.819	0.006	93	272408	1000.0	990.2	
25 2,2'-oxybis[1-chloropropane]	45	4.925	4.925	0.000	77	491095	1000.0	1072.4	
28 2-Methylphenol	108	4.930	4.931	-0.001	94	234404	1000.0	999.8	
29 Acetophenone	105	5.019	5.019	0.000	86	342886	1000.0	999.2	
30 N-Nitrosodi-n-propylamine	70	5.025	5.025	0.000	92	217466	1000.0	990.9	
32 3 & 4 Methylphenol	108	5.060	5.060	0.000	0	222178	1000.0	956.7	
31 Hexachloroethane	117	5.095	5.095	0.000	97	131998	1000.0	1024.2	
33 Nitrobenzene	77	5.154	5.154	0.000	93	307340	1000.0	1024.1	
34 Isophorone	82	5.354	5.354	0.000	97	512899	1000.0	1033.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 2-Nitrophenol	139	5.413	5.413	0.000	90	126714	1000.0	1102.7	
37 2,4-Dimethylphenol	107	5.478	5.477	0.000	97	235275	1000.0	947.8	
38 Bis(2-chloroethoxy)methane	93	5.542	5.536	0.006	92	301525	1000.0	1004.4	
36 Benzoic acid	105	5.548	5.548	-0.006	83	240703	2000.0	2049.5	Ma
39 2,4-Dichlorophenol	162	5.636	5.636	0.000	97	182833	1000.0	1030.9	
40 1,2,4-Trichlorobenzene	180	5.678	5.677	0.000	92	223224	1000.0	978.0	
41 Naphthalene	128	5.736	5.736	0.000	97	722570	1000.0	980.5	
43 4-Chloroaniline	127	5.795	5.795	0.000	76	232200	1000.0	986.2	
42 2,6-Dichlorophenol	162	5.801	5.801	0.000	88	181714	1000.0	1078.5	
44 Hexachlorobutadiene	225	5.842	5.842	0.000	94	132528	1000.0	995.7	
45 4-Chloro-3-methylphenol	107	6.230	6.230	0.000	93	180642	1000.0	995.0	
46 2-Methylnaphthalene	142	6.307	6.301	0.006	84	450098	1000.0	986.1	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	89	424430	1000.0	957.6	
48 Hexachlorocyclopentadiene	237	6.436	6.430	0.006	76	132722	1000.0	1095.1	
49 1,2,4,5-Tetrachlorobenzene	216	6.442	6.442	0.000	97	216796	1000.0	1015.0	
50 2,4,6-Trichlorophenol	196	6.548	6.548	0.000	94	118961	1000.0	997.4	
51 2,4,5-Trichlorophenol	196	6.607	6.607	0.000	57	123276	1000.0	913.9	
52 1,1'-Biphenyl	154	6.689	6.689	0.000	97	506408	1000.0	1023.9	
53 2-Chloronaphthalene	162	6.701	6.701	0.000	97	412125	1000.0	1022.2	
54 2-Nitroaniline	138	6.801	6.795	0.006	82	137225	1000.0	1068.9	
55 Dimethyl phthalate	163	6.954	6.954	0.000	96	448054	1000.0	1058.4	
56 1,3-Dinitrobenzene	168	6.972	6.972	0.000	67	56933	1000.0	968.5	
57 2,6-Dinitrotoluene	165	7.001	6.995	0.006	71	96639	1000.0	1008.3	
58 Acenaphthylene	152	7.036	7.036	0.000	92	654561	1000.0	1029.8	
59 3-Nitroaniline	138	7.136	7.142	-0.006	86	94512	1000.0	1083.7	
60 Acenaphthene	153	7.183	7.183	0.000	97	433000	1000.0	1018.6	
69 2,4-Dinitrophenol	184	7.224	7.224	-0.001	70	44593	2000.0	1508.5	a
62 2,4-Dinitrotoluene	165	7.324	7.324	0.000	64	123082	1000.0	1010.5	
61 Dibenzofuran	168	7.324	7.324	0.000	89	577698	1000.0	1062.7	
63 4-Nitrophenol	109	7.354	7.360	-0.006	1	91844	2000.0	1728.8	
64 2,3,5,6-Tetrachlorophenol	232	7.401	7.407	-0.006	84	90701	1000.0	937.3	
65 2,3,4,6-Tetrachlorophenol	232	7.436	7.442	-0.006	77	122932	1000.0	1146.8	
66 Diethyl phthalate	149	7.530	7.530	0.000	95	482444	1000.0	1063.6	
67 Fluorene	166	7.607	7.607	0.000	81	453175	1000.0	1039.9	
68 4-Chlorophenyl phenyl ether	204	7.613	7.613	0.000	93	208538	1000.0	1074.6	
70 4-Nitroaniline	138	7.636	7.642	-0.006	46	94374	1000.0	1146.7	
73 4,6-Dinitro-2-methylphenol	198	7.654	7.654	0.000	67	77171	2000.0	1523.5	
71 N-Nitrosodiphenylamine	169	7.713	7.718	0.000	67	303064	1000.0	1008.0	
72 Azobenzene	77	7.742	7.742	0.000	93	626125	1000.0	1089.6	
74 4-Bromophenyl phenyl ether	248	8.013	8.013	0.000	73	133414	1000.0	977.4	
75 Hexachlorobenzene	284	8.048	8.054	0.000	90	190635	1000.0	989.1	
76 Atrazine	200	8.166	8.160	0.006	84	110632	1000.0	1054.4	
77 Pentachlorophenol	266	8.224	8.230	-0.006	90	153069	2000.0	1929.2	
78 n-Octadecane	43	8.313	8.313	0.000	89	337314	1000.0	1070.8	
79 Phenanthrene	178	8.389	8.395	0.000	98	625737	1000.0	1003.4	
80 Anthracene	178	8.430	8.436	0.000	98	652233	1000.0	1029.9	
81 Carbazole	167	8.577	8.589	0.000	81	559173	1000.0	1226.5	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	99	802786	1000.0	1031.7	
84 Fluoranthene	202	9.365	9.379	-0.001	99	678987	1000.0	1039.8	
85 Benzidine	184	9.495	9.502	0.000	98	255425	2000.0	2775.7	
86 Pyrene	202	9.548	9.555	0.000	95	697701	1000.0	1011.1	
87 Butyl benzyl phthalate	149	10.107	10.107	0.000	96	336207	1000.0	1051.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
91 3,3'-Dichlorobenzidine	252	10.560	10.565	0.000	72	488396	2000.0	2638.6	
89 Benzo[a]anthracene	228	10.565	10.571	0.000	98	598024	1000.0	966.7	
90 Chrysene	228	10.601	10.595	0.000	93	627149	1000.0	964.0	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.630	0.000	82	493717	1000.0	1113.0	
93 Di-n-octyl phthalate	149	11.295	11.289	0.006	99	802610	1000.0	1106.3	
94 Benzo[b]fluoranthene	252	11.659	11.665	-0.001	94	648970	1000.0	1113.5	
95 Benzofluoranthene	252	11.689	11.695	0.000	0	1340972	2000.0	2054.7	
96 Benzo[k]fluoranthene	252	11.689	11.695	0.000	96	715883	1000.0	984.0	
97 Benzo[a]pyrene	252	12.024	12.030	0.000	80	578430	1000.0	1062.8	
98 Indeno[1,2,3-cd]pyrene	276	13.342	13.348	0.000	93	604607	1000.0	1180.9	
99 Dibenz(a,h)anthracene	278	13.383	13.384	0.006	74	663461	1000.0	1055.6	
100 Benzo[g,h,i]perylene	276	13.653	13.660	-0.001	88	739508	1000.0	1154.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_8270_1000_00057

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x024.D

Injection Date: 23-Mar-2022 11:04:30

Instrument ID: TAC040

Lims ID: ccvc

Client ID:

Operator ID: jcm

ALS Bottle#: 3

Worklist Smp#: 23

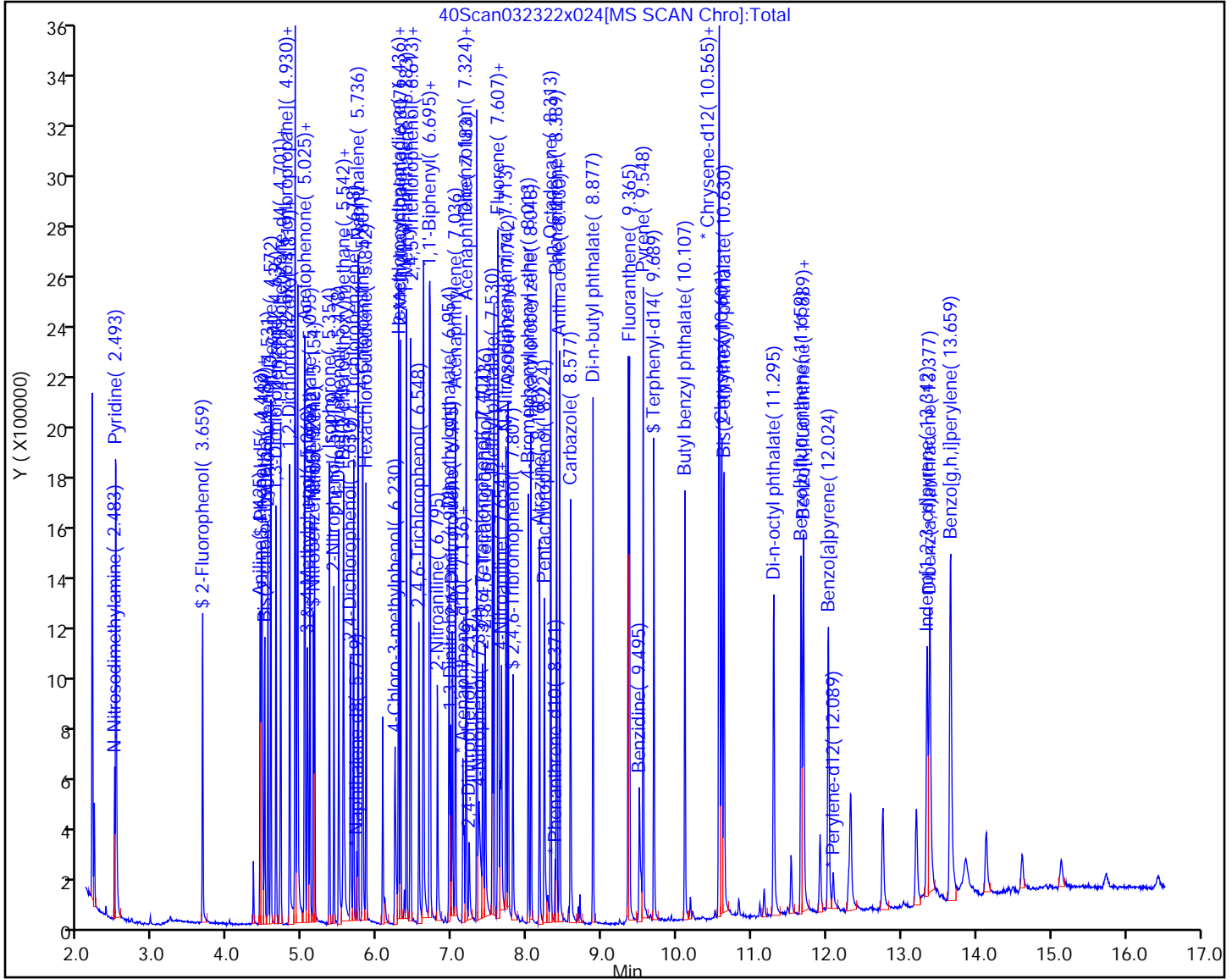
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

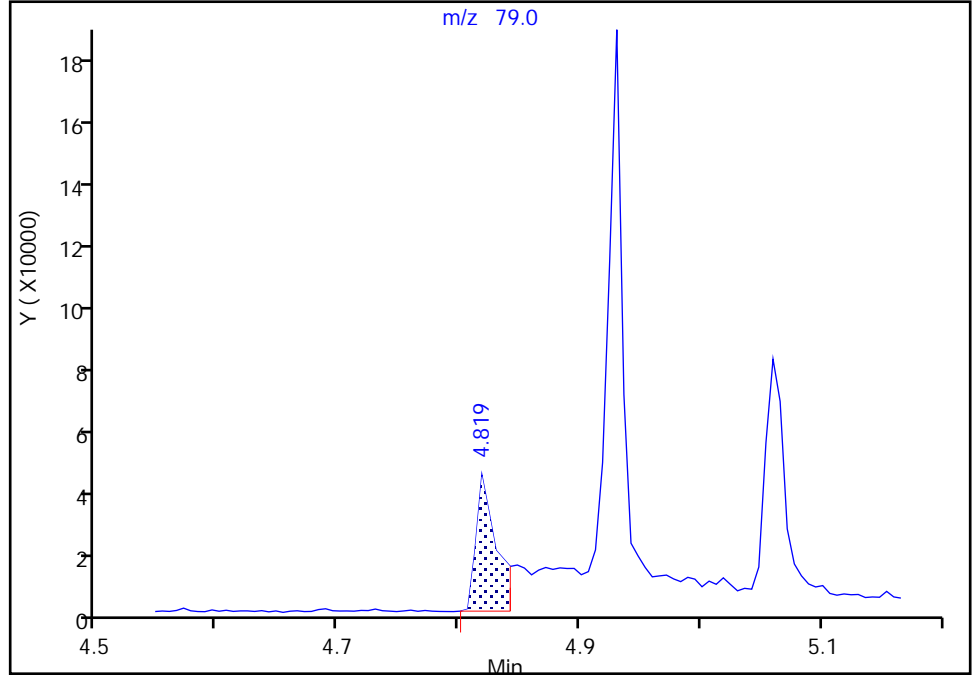
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Injection Date: 23-Mar-2022 11:04:30 Instrument ID: TAC040
Lims ID: ccvc
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

27 Benzyl alcohol, CAS: 100-51-6

Signal: 1

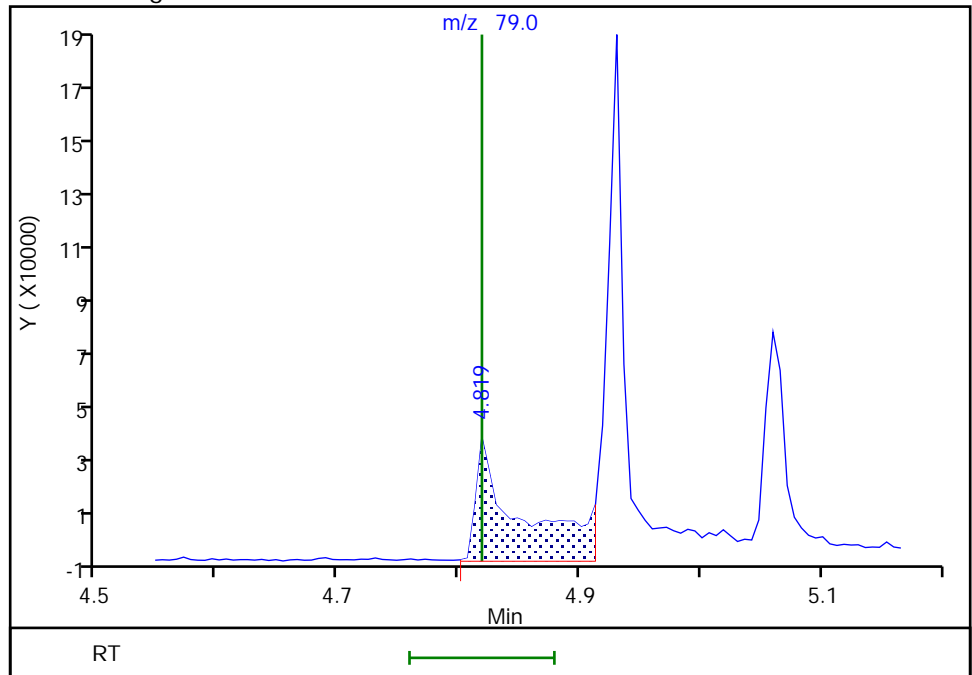
RT: 4.82
Area: 50401
Amount: 295.2464
Amount Units: ug/L

Processing Integration Results



RT: 4.82
Area: 111285
Amount: 596.6640
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 23-Mar-2022 14:47:29
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

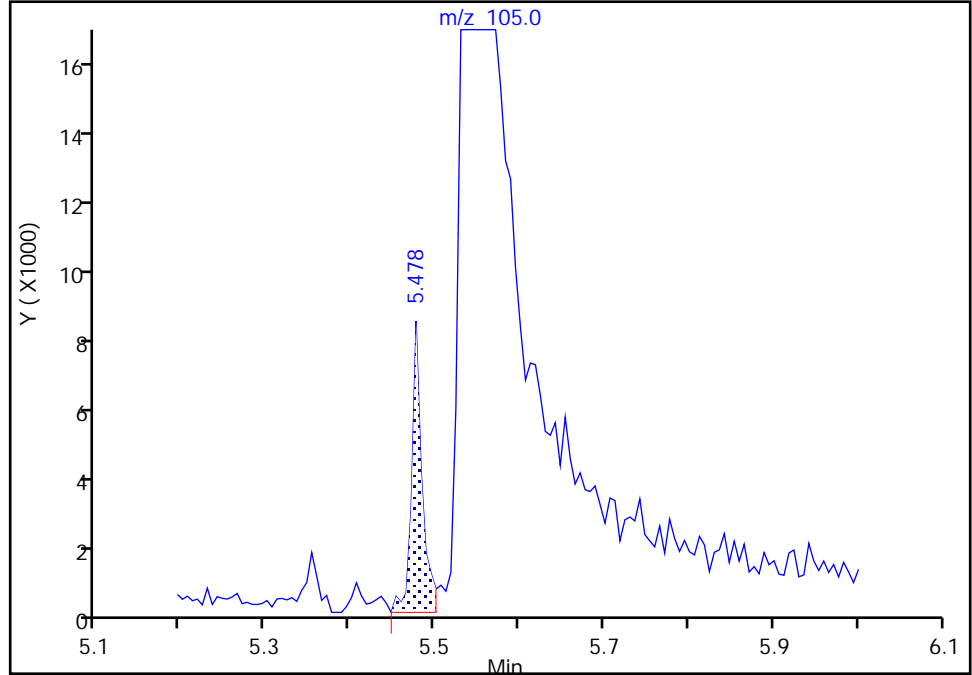
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Injection Date: 23-Mar-2022 11:04:30 Instrument ID: TAC040
Lims ID: ccvc
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

36 Benzoic acid, CAS: 65-85-0

Signal: 1

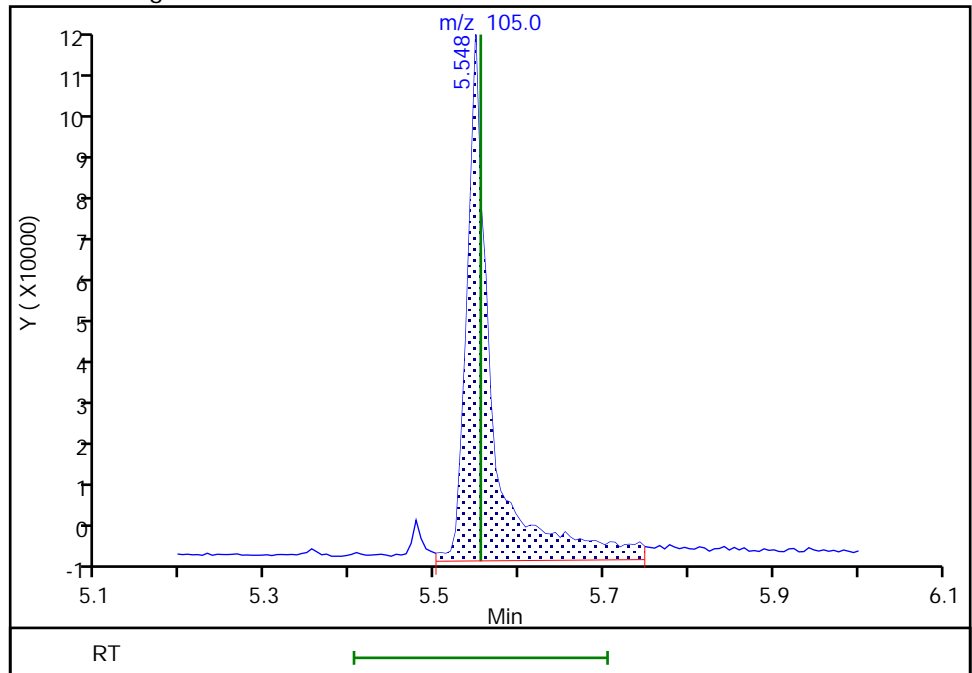
RT: 5.48
Area: 6964
Amount: 273.3766
Amount Units: ug/L

Processing Integration Results



RT: 5.55
Area: 240703
Amount: 2049.4552
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 23-Mar-2022 14:47:46
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

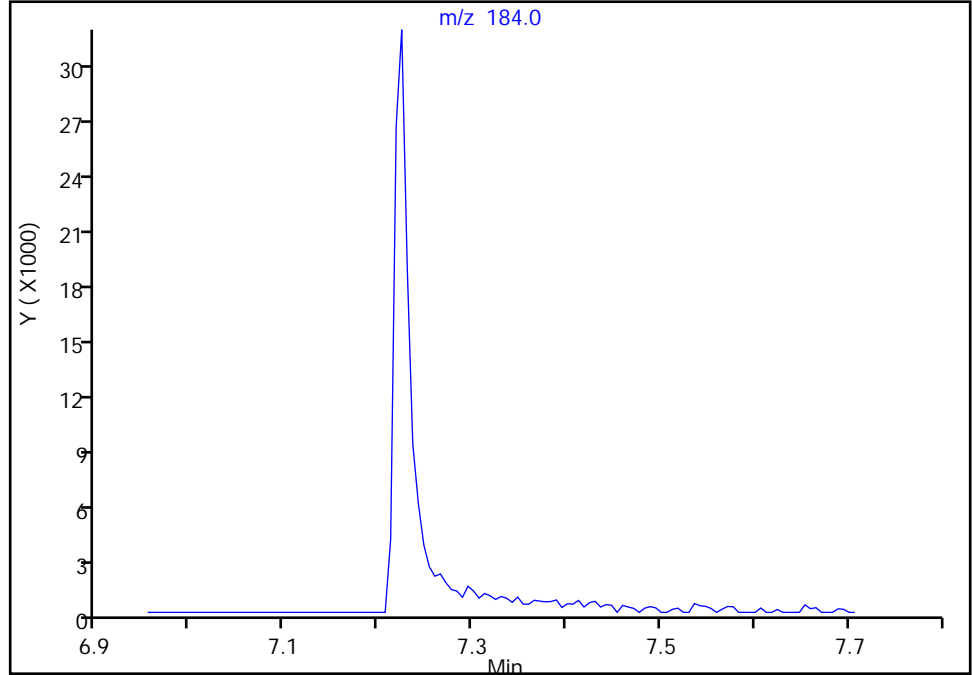
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Injection Date: 23-Mar-2022 11:04:30 Instrument ID: TAC040
Lims ID: ccvc
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

69 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

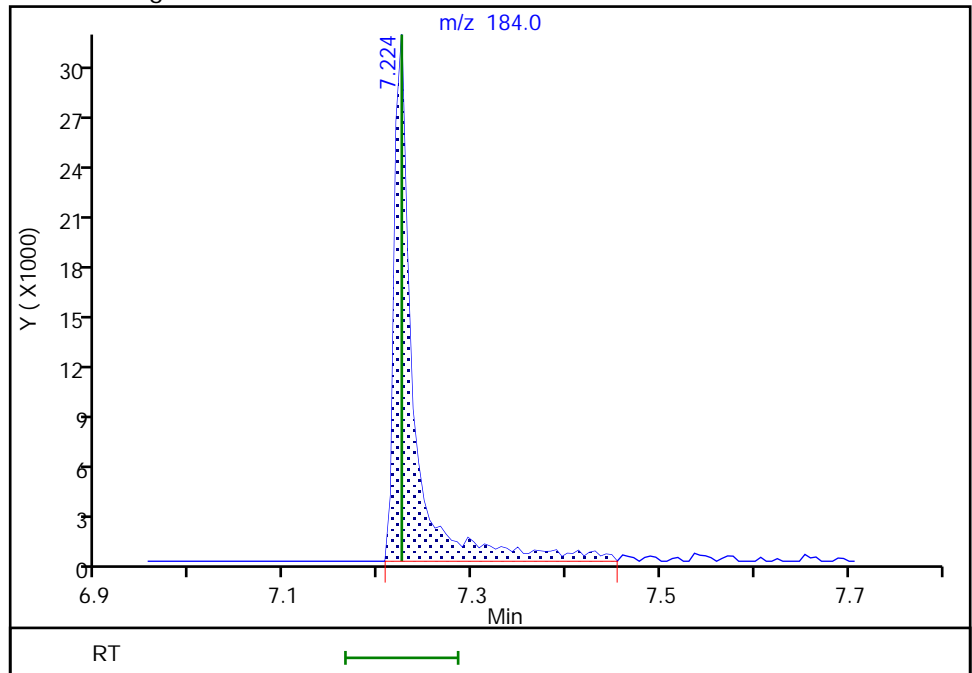
Not Detected
Expected RT: 7.22

Processing Integration Results



Manual Integration Results

RT: 7.22
Area: 44593
Amount: 1508.5259
Amount Units: ug/L



Reviewer: limmere, 23-Mar-2022 14:48:00
Audit Action: Assigned Compound ID

Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-384865/3 Calibration Date: 03/23/2022 14:10
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032322a007.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.8987	0.9283	0.0100	1030	1000	3.3	20.0
Pyridine	Lin1		1.562	0.0100	2120	2000	5.9	20.0
Aniline	Qua1		1.980	0.0100	973	1000	-2.7	20.0
Phenol	Ave	1.816	1.533	0.8000	844	1000	-15.6	20.0
Bis(2-chloroethyl)ether	Ave	1.308	1.267	0.7000	969	1000	-3.1	20.0
2-Chlorophenol	Ave	1.359	1.279	0.8000	941	1000	-5.9	20.0
n-Decane	Lin2		1.761		1050	1000	4.5	20.0
1,3-Dichlorobenzene	Ave	1.524	1.485	0.0100	975	1000	-2.5	20.0
1,4-Dichlorobenzene	Ave	1.568	1.487	0.0100	948	1000	-5.2	20.0
Benzyl alcohol	Lin1		0.6975	0.0100	688	1000	-31.2*	20.0
1,2-Dichlorobenzene	Ave	1.480	1.442	0.0100	974	1000	-2.6	20.0
bis (2-chloroisopropyl) ether	Ave	2.464	2.595	0.0100	1050	1000	5.3	20.0
o-Cresol	Ave	1.261	1.211	0.7000	960	1000	-4.0	20.0
Acetophenone	Ave	1.846	1.758	0.0100	952	1000	-4.8	20.0
N-Nitrosodi-n-propylamine	Ave	1.181	1.143	0.5000	968	1000	-3.2	20.0
m+p-Cresol	Ave	1.249	1.301	0.6000	1040	1000	4.2	20.0
Hexachloroethane	Ave	0.6934	0.7000	0.3000	1010	1000	1.0	20.0
Nitrobenzene	Ave	1.614	1.623	0.2000	1010	1000	0.6	20.0
Isophorone	Lin1		2.685	0.4000	1010	1000	0.5	20.0
2-Nitrophenol	Ave	0.6182	0.6395	0.1000	1030	1000	3.4	20.0
2,4-Dimethylphenol	Ave	0.3423	0.3050	0.2000	891	1000	-10.9	20.0
Bis(2-chloroethoxy)methane	Ave	1.615	1.570	0.3000	972	1000	-2.8	20.0
Benzoic acid	Qua1		0.5915	0.0100	1900	2000	-4.9	20.0
2,4-Dichlorophenol	Ave	0.2446	0.2399	0.2000	981	1000	-1.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3147	0.2981	0.0100	947	1000	-5.3	20.0
Naphthalene	Ave	1.016	0.9749	0.7000	959	1000	-4.1	20.0
4-Chloroaniline	Ave	0.3247	0.3286	0.0100	1010	1000	1.2	20.0
2,6-Dichlorophenol	Ave	0.4879	0.5080	0.0100	1040	1000	4.1	20.0
Hexachlorobutadiene	Ave	0.1835	0.1719	0.0100	937	1000	-6.3	20.0
4-Chloro-3-methylphenol	Qua2		0.5294	0.2000	1010	1000	0.7	20.0
2-Methylnaphthalene	Ave	0.6294	0.5927	0.4000	942	1000	-5.8	20.0
1-Methylnaphthalene	Ave	0.6112	0.5657	0.0100	926	1000	-7.4	20.0
Hexachlorocyclopentadiene	Ave	0.3509	0.4028	0.0500	1150	1000	14.8	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6185	0.6138		992	1000	-0.8	20.0
2,4,6-Trichlorophenol	Lin2		0.3329	0.2000	964	1000	-3.6	20.0
2,4,5-Trichlorophenol	Lin2		0.3798	0.2000	971	1000	-2.9	20.0
1,1'-Biphenyl	Ave	1.432	1.458	0.0100	1020	1000	1.8	20.0
2-Chloronaphthalene	Ave	1.167	1.190	0.8000	1020	1000	2.0	20.0
2-Nitroaniline	Qua2		0.3793	0.0100	1020	1000	2.2	20.0
Dimethyl phthalate	Ave	1.226	1.262	0.0100	1030	1000	2.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-384865/3 Calibration Date: 03/23/2022 14:10
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032322a007.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin2		0.2774	0.2000	1000	1000	-0.0	20.0
Acenaphthylene	Ave	1.841	1.901	0.9000	1030	1000	3.3	20.0
3-Nitroaniline	Lin2		0.2669	0.0100	1060	1000	5.8	20.0
Acenaphthene	Ave	1.231	1.257	0.9000	1020	1000	2.1	20.0
2,4-Dinitrophenol	Lin1		0.1059	0.0100	2020	2000	0.8	20.0
2,4-Dinitrotoluene	Lin2		0.3522	0.2000	999	1000	-0.1	20.0
Dibenzofuran	Ave	1.574	1.661	0.8000	1060	1000	5.5	20.0
4-Nitrophenol	Lin1		0.1572	0.0100	1970	2000	-1.3	20.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2656	0.0100	947	1000	-5.3	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2731	0.0100	885	1000	-11.5	20.0
Diethyl phthalate	Ave	1.313	1.347	0.0100	1030	1000	2.5	20.0
Fluorene	Ave	1.262	1.272	0.9000	1010	1000	0.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.5619	0.5757	0.4000	1020	1000	2.5	20.0
4-Nitroaniline	Ave	0.2383	0.2811	0.0100	1180	1000	17.9	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.0915	0.0100	1990	2000	-0.7	20.0
N-Nitrosodiphenylamine	Ave	0.5255	0.5156	0.0100	981	1000	-1.9	20.0
Azobenzene	Ave	1.004	1.049		1040	1000	4.5	20.0
4-Bromophenyl phenyl ether	Ave	0.2386	0.2270	0.1000	952	1000	-4.8	20.0
Hexachlorobenzene	Lin2		0.3185	0.1000	946	1000	-5.4	20.0
Atrazine	Lin2		0.3198	0.0100	1050	1000	5.2	20.0
Pentachlorophenol	Lin2		0.1313	0.0500	1900	2000	-5.1	20.0
n-Octadecane	Ave	0.5506	0.5737		1040	1000	4.2	20.0
Phenanthrene	Ave	1.090	1.073	0.7000	984	1000	-1.6	20.0
Anthracene	Ave	1.107	1.112	0.7000	1000	1000	0.5	20.0
Carbazole	Qua1		0.9112	0.0100	1140	1000	13.6	20.0
Di-n-butyl phthalate	Ave	1.360	1.350	0.0100	993	1000	-0.7	20.0
Fluoranthene	Ave	1.141	1.143	0.6000	1000	1000	0.2	20.0
Benidine	Qua2		0.2233	0.0100	2780	2000	38.8*	20.0
Pyrene	Ave	1.206	1.177	0.6000	976	1000	-2.4	20.0
Butyl benzyl phthalate	Ave	0.6015	0.6257	0.0100	1040	1000	4.0	20.0
3,3'-Dichlorobenzidine	Ave	0.3481	0.4410	0.0100	2530	2000	26.7*	20.0
Benzo[a]anthracene	Ave	1.163	1.157	0.8000	995	1000	-0.5	20.0
Chrysene	Ave	1.223	1.243	0.7000	1020	1000	1.6	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8342	0.9078	0.0100	1090	1000	8.8	20.0
Di-n-octyl phthalate	Lin2		1.364	0.0100	1070	1000	6.7	20.0
Benzo[b]fluoranthene	Ave	1.028	1.074	0.7000	1040	1000	4.5	20.0
Benzo[k]fluoranthene	Ave	1.283	1.397	0.7000	1090	1000	8.9	20.0
Benzo[fluoranthene	Ave	1.151	1.219		2120	2000	5.9	20.0
Benzo[a]pyrene	Ave	0.9599	1.035	0.7000	1080	1000	7.8	20.0
Indeno[1,2,3-cd]pyrene	Qua2		0.9604	0.5000	1070	1000	7.1	20.0
Dibenz(a,h)anthracene	Lin2		1.138	0.4000	1030	1000	2.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-384865/3 Calibration Date: 03/23/2022 14:10
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032322a007.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	1.130	1.276	0.5000	1130	1000	12.9	20.0
2-Fluorophenol (Surr)	Ave	1.327	1.251		943	1000	-5.7	20.0
Phenol-d5 (Surr)	Ave	1.602	1.638		1020	1000	2.3	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4057	0.4119		1020	1000	1.5	20.0
2-Fluorobiphenyl	Ave	1.329	1.340		1010	1000	0.8	20.0
2,4,6-Tribromophenol (Surr)	Qua2		0.1654	0.0100	944	1000	-5.6	20.0
Terphenyl-d14	Ave	0.7918	0.7809		986	1000	-1.4	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a007.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 23-Mar-2022 14:10:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: ccvis
 Operator ID: jcm Instrument ID: TAC040
 Sublist: chrom-8270TAC040*sub20
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 16:30:40 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw

Date: 24-Mar-2022 16:30:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	96	18810	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	73130	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	85	34303	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	97	59014	100.0	100.0	
* 5 Chrysene-d12	240	10.571	10.571	0.000	57	51501	100.0	100.0	
* 6 Perylene-d12	264	12.083	12.083	0.000	91	53404	100.0	100.0	
\$ 7 2-Fluorophenol	112	3.654	3.654	0.000	94	235342	1000.0	943.0	
\$ 8 Phenol-d5	99	4.442	4.442	0.000	0	308088	1000.0	1022.6	
\$ 9 Nitrobenzene-d5	82	5.142	5.142	0.000	93	301192	1000.0	1015.1	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	99	459626	1000.0	1007.9	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	94	97637	1000.0	943.9	
\$ 12 Terphenyl-d14	244	9.689	9.689	0.000	97	460850	1000.0	986.2	
15 N-Nitrosodimethylamine	74	2.483	2.483	0.000	82	174616	1000.0	1032.9	
16 Pyridine	79	2.499	2.499	0.000	90	587649	2000.0	2118.4	
18 Phenol	94	4.448	4.448	0.000	67	288331	1000.0	844.1	a
17 Aniline	93	4.425	4.425	0.000	94	372511	1000.0	973.3	
19 Bis(2-chloroethyl)ether	93	4.489	4.489	0.000	86	238258	1000.0	968.7	
20 2-Chlorophenol	128	4.530	4.530	0.000	96	240560	1000.0	941.1	
21 n-Decane	57	4.572	4.572	0.000	93	331327	1000.0	1045.0	
22 1,3-Dichlorobenzene	146	4.636	4.636	0.000	92	279416	1000.0	975.0	
23 1,4-Dichlorobenzene	146	4.701	4.701	0.000	89	279650	1000.0	948.0	
27 Benzyl alcohol	79	4.813	4.813	0.000	82	131196	1000.0	687.6	M
24 1,2-Dichlorobenzene	146	4.819	4.819	0.000	91	271172	1000.0	974.1	
25 2,2'-oxybis[1-chloropropane]	45	4.925	4.925	0.000	76	488154	1000.0	1053.4	
28 2-Methylphenol	108	4.930	4.930	0.000	94	227841	1000.0	960.4	
29 Acetophenone	105	5.019	5.019	0.000	86	330614	1000.0	952.1	
30 N-Nitrosodi-n-propylamine	70	5.025	5.025	0.000	91	214976	1000.0	968.0	
32 3 & 4 Methylphenol	108	5.060	5.060	0.000	0	244803	1000.0	1041.7	
31 Hexachloroethane	117	5.095	5.095	0.000	97	131665	1000.0	1009.5	
33 Nitrobenzene	77	5.154	5.154	0.000	93	305352	1000.0	1005.5	
34 Isophorone	82	5.354	5.354	0.000	95	504990	1000.0	1005.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 2-Nitrophenol	139	5.413	5.413	0.000	90	120286	1000.0	1034.4	
36 Benzoic acid	105	5.548	5.548	0.000	90	222534	2000.0	1902.4	Ma
37 2,4-Dimethylphenol	107	5.477	5.477	0.000	98	223036	1000.0	891.0	
38 Bis(2-chloroethoxy)methane	93	5.542	5.542	0.000	91	295342	1000.0	972.2	
39 2,4-Dichlorophenol	162	5.630	5.630	0.000	95	175458	1000.0	981.0	
40 1,2,4-Trichlorobenzene	180	5.677	5.677	0.000	91	218024	1000.0	947.3	
41 Naphthalene	128	5.736	5.736	0.000	97	712920	1000.0	959.3	
43 4-Chloroaniline	127	5.795	5.795	0.000	77	240305	1000.0	1012.1	
42 2,6-Dichlorophenol	162	5.801	5.801	0.000	88	174251	1000.0	1041.2	
44 Hexachlorobutadiene	225	5.842	5.842	0.000	94	125708	1000.0	936.6	
45 4-Chloro-3-methylphenol	107	6.230	6.230	0.000	94	181609	1000.0	1006.7	
46 2-Methylnaphthalene	142	6.307	6.307	0.000	82	433410	1000.0	941.6	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	82	413694	1000.0	925.6	
48 Hexachlorocyclopentadiene	237	6.436	6.436	0.000	81	138177	1000.0	1147.8	
49 1,2,4,5-Tetrachlorobenzene	216	6.442	6.442	0.000	96	210557	1000.0	992.4	
50 2,4,6-Trichlorophenol	196	6.548	6.548	0.000	95	114186	1000.0	964.5	
51 2,4,5-Trichlorophenol	196	6.601	6.601	0.000	88	130275	1000.0	971.1	
52 1,1'-Biphenyl	154	6.689	6.689	0.000	98	500093	1000.0	1018.0	
53 2-Chloronaphthalene	162	6.701	6.701	0.000	97	408368	1000.0	1019.7	
54 2-Nitroaniline	138	6.801	6.801	0.000	81	130111	1000.0	1021.7	
55 Dimethyl phthalate	163	6.954	6.954	0.000	95	432830	1000.0	1029.3	
56 1,3-Dinitrobenzene	168	6.971	6.971	0.000	68	52805	1000.0	890.8	
57 2,6-Dinitrotoluene	165	6.995	6.995	0.000	63	95144	1000.0	999.5	
58 Acenaphthylene	152	7.036	7.036	0.000	97	652050	1000.0	1032.8	
59 3-Nitroaniline	138	7.136	7.136	0.000	86	91571	1000.0	1057.5	
60 Acenaphthene	153	7.183	7.183	0.000	98	431127	1000.0	1021.1	
69 2,4-Dinitrophenol	184	7.224	7.224	0.000	67	72652	2000.0	2015.5	Ma
62 2,4-Dinitrotoluene	165	7.324	7.324	0.000	65	120808	1000.0	998.9	
63 4-Nitrophenol	109	7.348	7.348	0.000	1	107819	2000.0	1975.0	Ma
61 Dibenzofuran	168	7.324	7.324	0.000	88	569922	1000.0	1055.5	
64 2,3,5,6-Tetrachlorophenol	232	7.401	7.401	0.000	85	91120	1000.0	947.4	
65 2,3,4,6-Tetrachlorophenol	232	7.436	7.436	0.000	77	93674	1000.0	884.6	
66 Diethyl phthalate	149	7.530	7.530	0.000	95	461982	1000.0	1025.4	
67 Fluorene	166	7.607	7.607	0.000	80	436210	1000.0	1007.7	
68 4-Chlorophenyl phenyl ether	204	7.613	7.613	0.000	92	197496	1000.0	1024.6	
70 4-Nitroaniline	138	7.636	7.636	0.000	25	96420	1000.0	1179.4	
73 4,6-Dinitro-2-methylphenol	198	7.654	7.654	0.000	67	107945	2000.0	1985.2	
71 N-Nitrosodiphenylamine	169	7.713	7.713	0.000	66	304253	1000.0	981.1	
72 Azobenzene	77	7.742	7.742	0.000	93	619343	1000.0	1044.9	
74 4-Bromophenyl phenyl ether	248	8.013	8.013	0.000	73	133975	1000.0	951.5	
75 Hexachlorobenzene	284	8.048	8.048	0.000	90	187988	1000.0	945.6	
76 Atrazine	200	8.166	8.166	0.000	85	109690	1000.0	1052.5	
77 Pentachlorophenol	266	8.224	8.224	0.000	92	154960	2000.0	1897.3	
78 n-Octadecane	43	8.313	8.313	0.000	89	338538	1000.0	1041.8	
79 Phenanthrene	178	8.389	8.389	0.000	98	633174	1000.0	984.3	
80 Anthracene	178	8.430	8.430	0.000	98	656293	1000.0	1004.7	
81 Carbazole	167	8.577	8.577	0.000	82	537749	1000.0	1136.5	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	99	796666	1000.0	992.6	
84 Fluoranthene	202	9.365	9.365	0.000	99	674811	1000.0	1001.8	
85 Benzidine	184	9.495	9.495	0.000	98	263500	2000.0	2775.9	
86 Pyrene	202	9.548	9.548	0.000	95	694571	1000.0	975.8	
87 Butyl benzyl phthalate	149	10.107	10.107	0.000	96	322265	1000.0	1040.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
91 3,3'-Dichlorobenzidine	252	10.559	10.559	0.000	66	454253	2000.0	2534.0	
89 Benzo[a]anthracene	228	10.565	10.565	0.000	99	596018	1000.0	994.8	
90 Chrysene	228	10.595	10.595	0.000	91	639988	1000.0	1015.8	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.630	0.000	82	467540	1000.0	1088.3	
93 Di-n-octyl phthalate	149	11.289	11.289	0.000	99	728381	1000.0	1066.8	
94 Benzo[b]fluoranthene	252	11.659	11.659	0.000	94	573654	1000.0	1045.0	
95 Benzofluoranthene	252	11.689	11.689	0.000	0	1302211	2000.0	2118.3	
96 Benzo[k]fluoranthene	252	11.689	11.689	0.000	94	746200	1000.0	1089.0	
97 Benzo[a]pyrene	252	12.018	12.018	0.000	78	552655	1000.0	1078.1	
98 Indeno[1,2,3-cd]pyrene	276	13.342	13.342	0.000	97	512889	1000.0	1071.5	
99 Dibenz(a,h)anthracene	278	13.377	13.377	0.000	76	607706	1000.0	1026.9	
100 Benzo[g,h,i]perylene	276	13.653	13.653	0.000	90	681372	1000.0	1129.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_8270_1000_00057

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a007.D

Injection Date: 23-Mar-2022 14:10:30

Instrument ID: TAC040

Lims ID: CCVIS

Client ID:

Operator ID: jcm

ALS Bottle#: 3

Worklist Smp#: 3

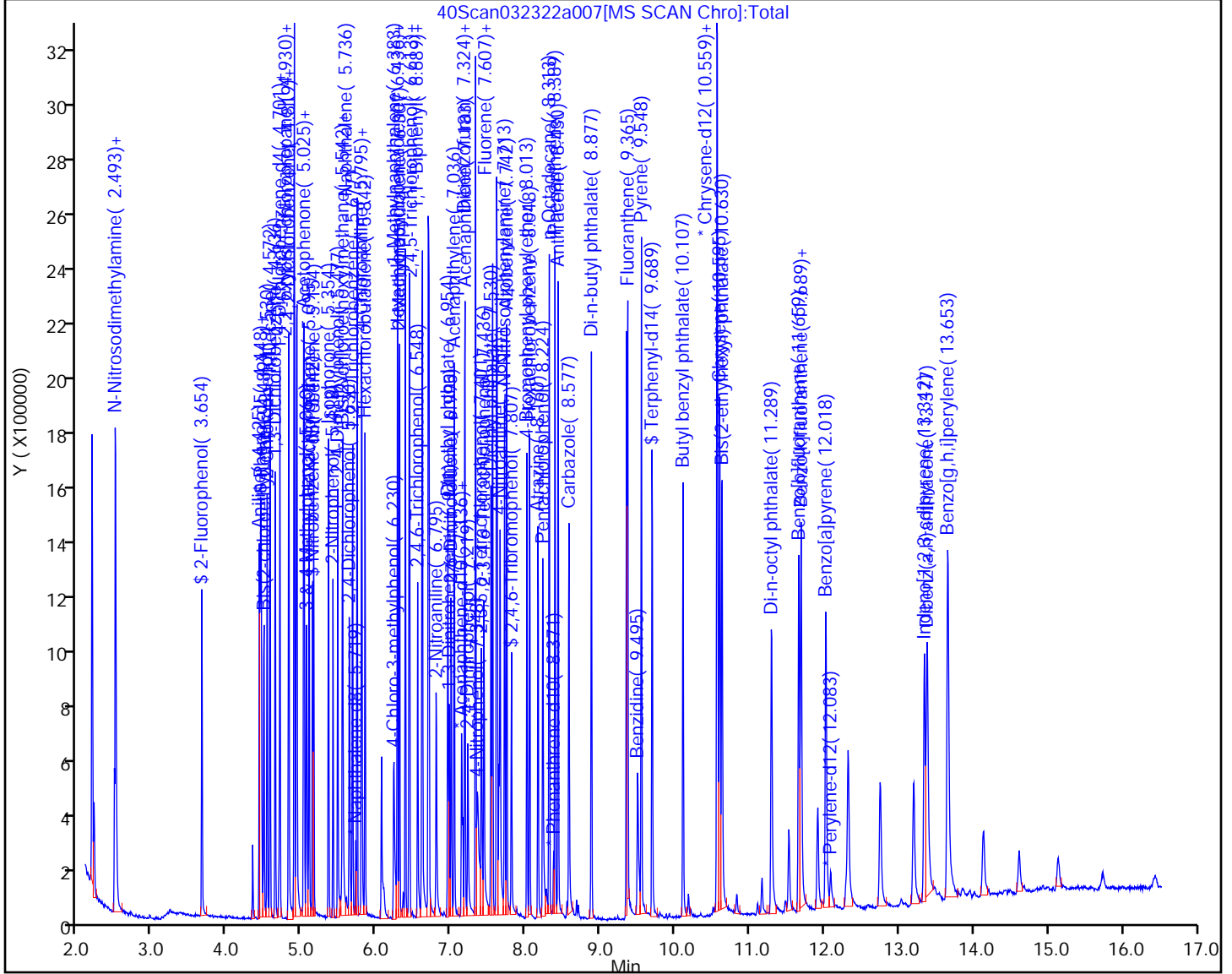
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

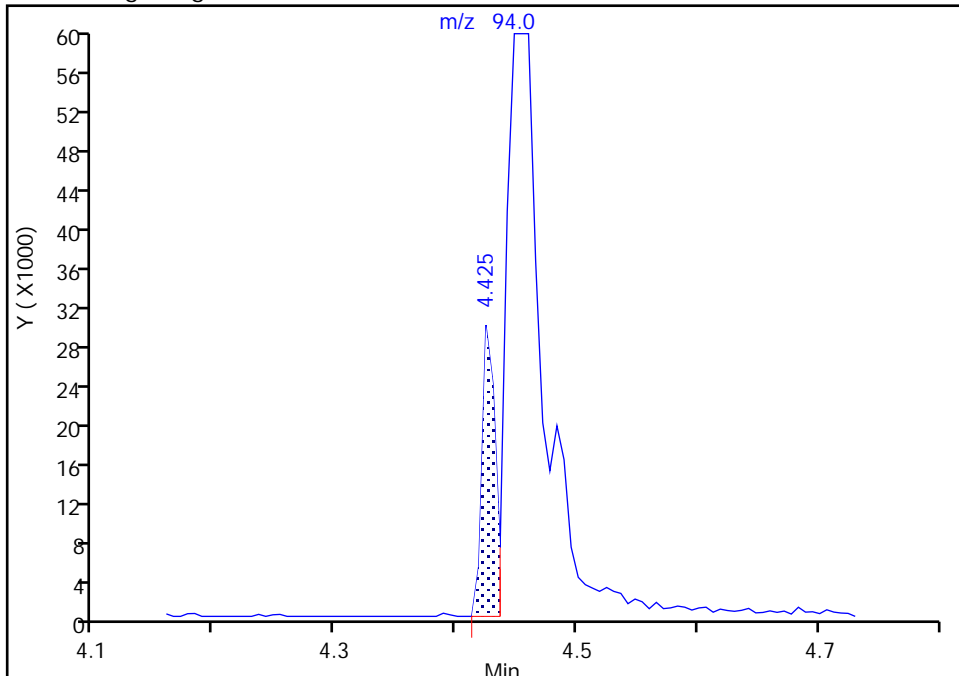
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Injection Date: 23-Mar-2022 14:10:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

18 Phenol, CAS: 108-95-2

Signal: 1

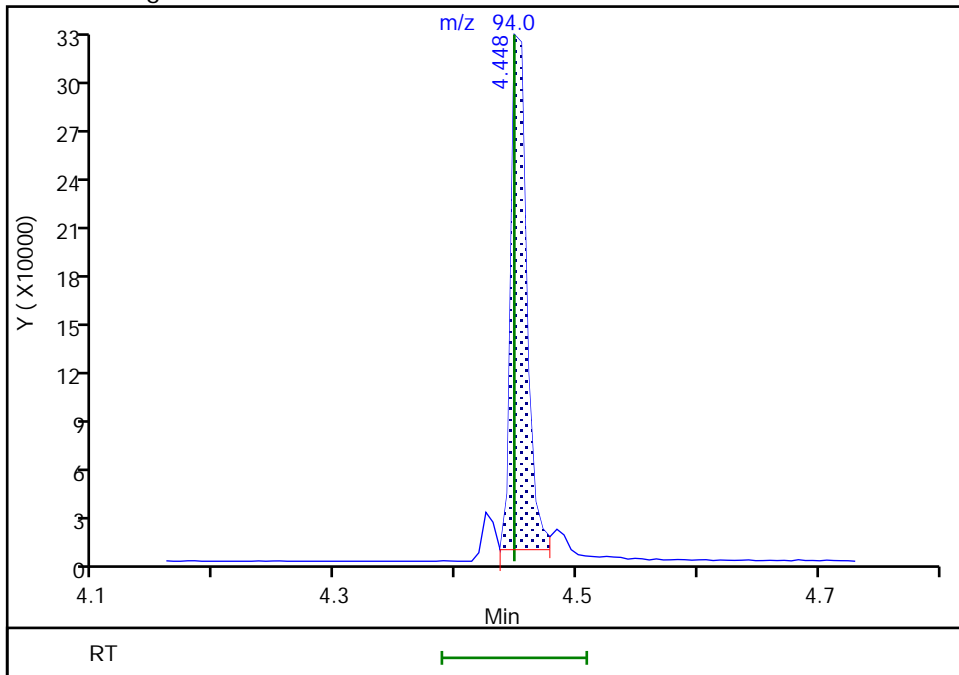
RT: 4.42
Area: 23283
Amount: 68.158740
Amount Units: ug/L

Processing Integration Results



RT: 4.45
Area: 288331
Amount: 844.0612
Amount Units: ug/L

Manual Integration Results



Reviewer: thaneeratw, 24-Mar-2022 16:27:46
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle

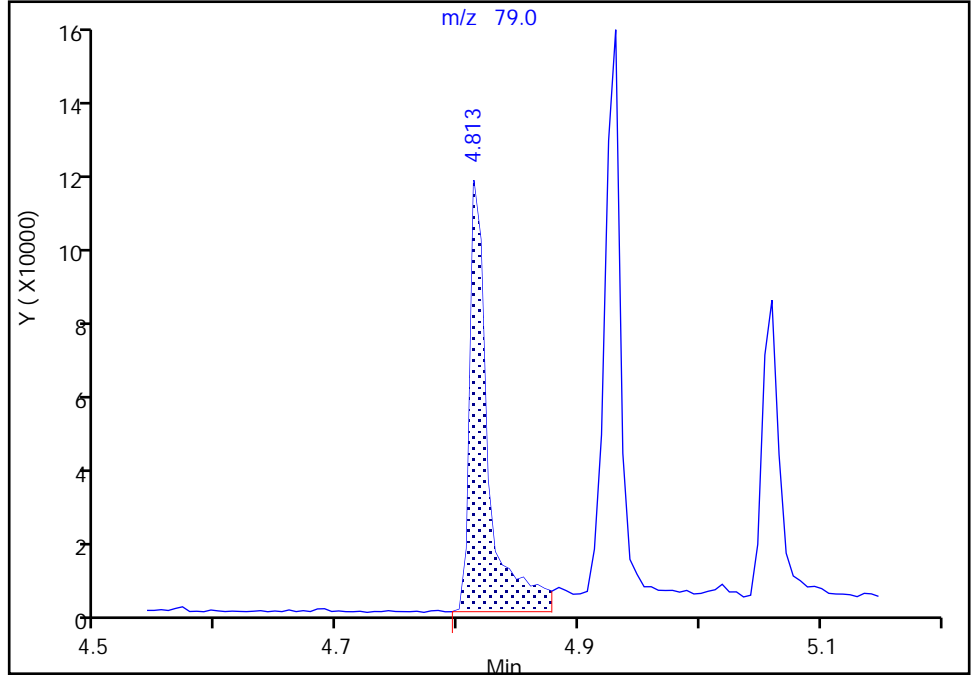
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Injection Date: 23-Mar-2022 14:10:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

27 Benzyl alcohol, CAS: 100-51-6

Signal: 1

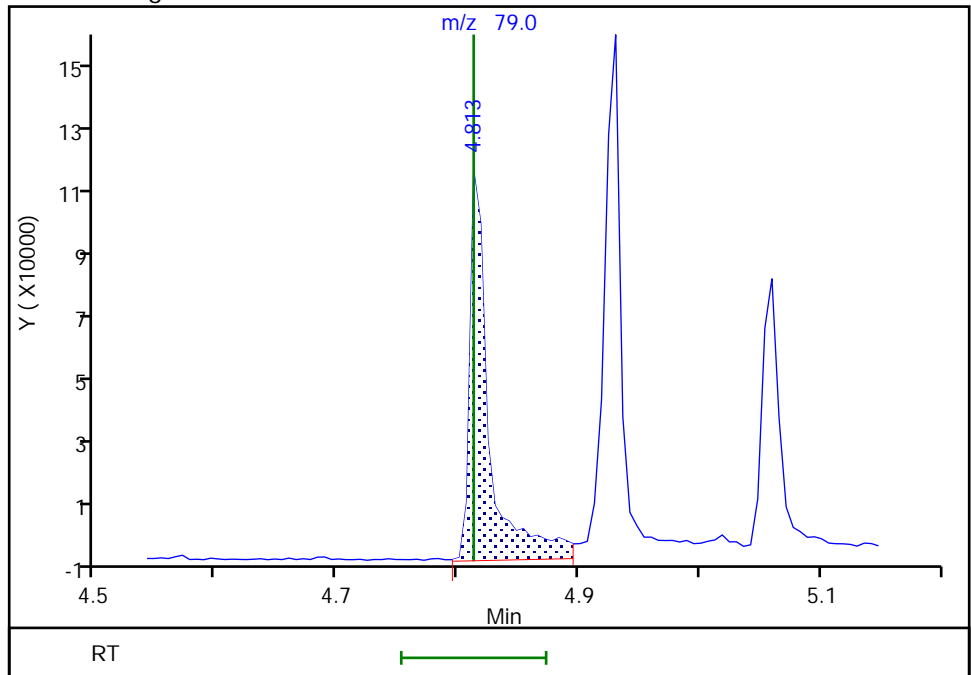
RT: 4.81
Area: 124727
Amount: 655.9234
Amount Units: ug/L

Processing Integration Results



RT: 4.81
Area: 131196
Amount: 687.5714
Amount Units: ug/L

Manual Integration Results



Reviewer: thaneeratw, 24-Mar-2022 16:28:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

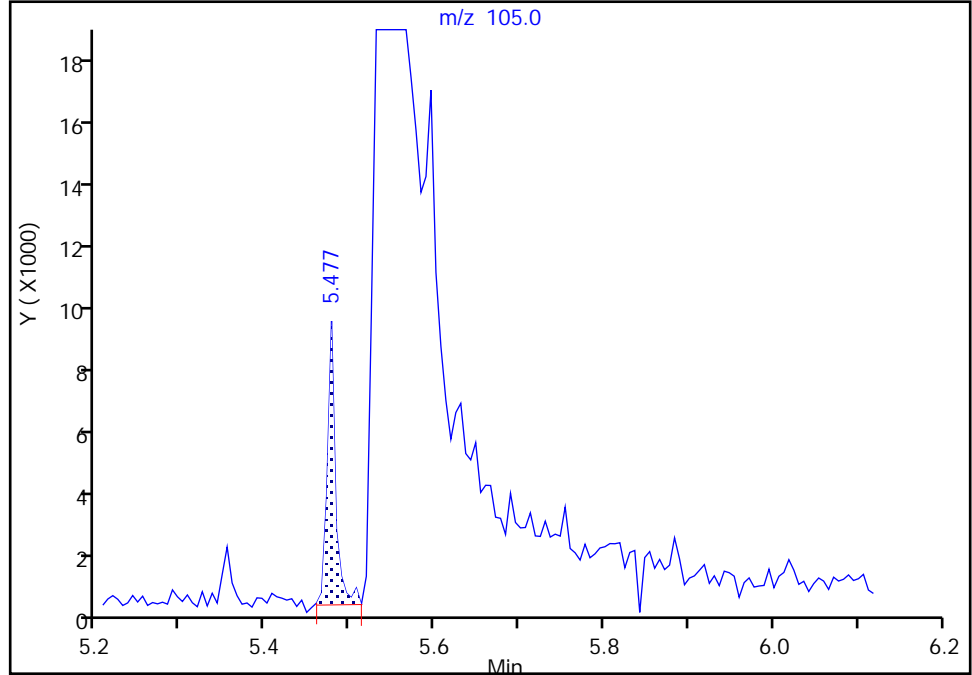
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Injection Date: 23-Mar-2022 14:10:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

36 Benzoic acid, CAS: 65-85-0

Signal: 1

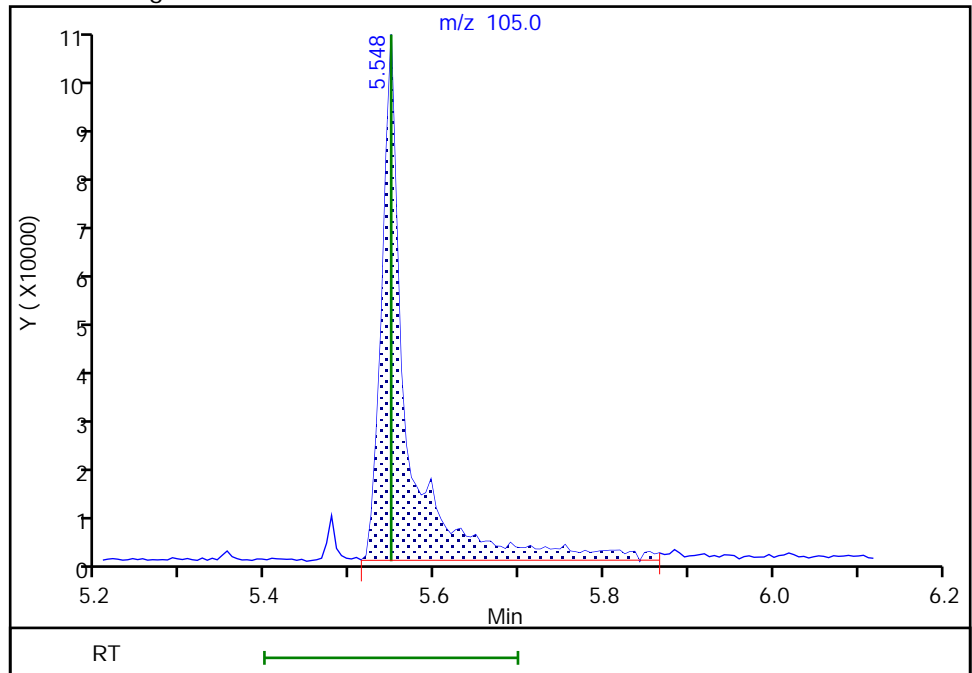
RT: 5.48
Area: 6196
Amount: 266.4148
Amount Units: ug/L

Processing Integration Results



RT: 5.55
Area: 222534
Amount: 1902.4455
Amount Units: ug/L

Manual Integration Results



Reviewer: thaneeratw, 24-Mar-2022 16:28:55
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Seattle

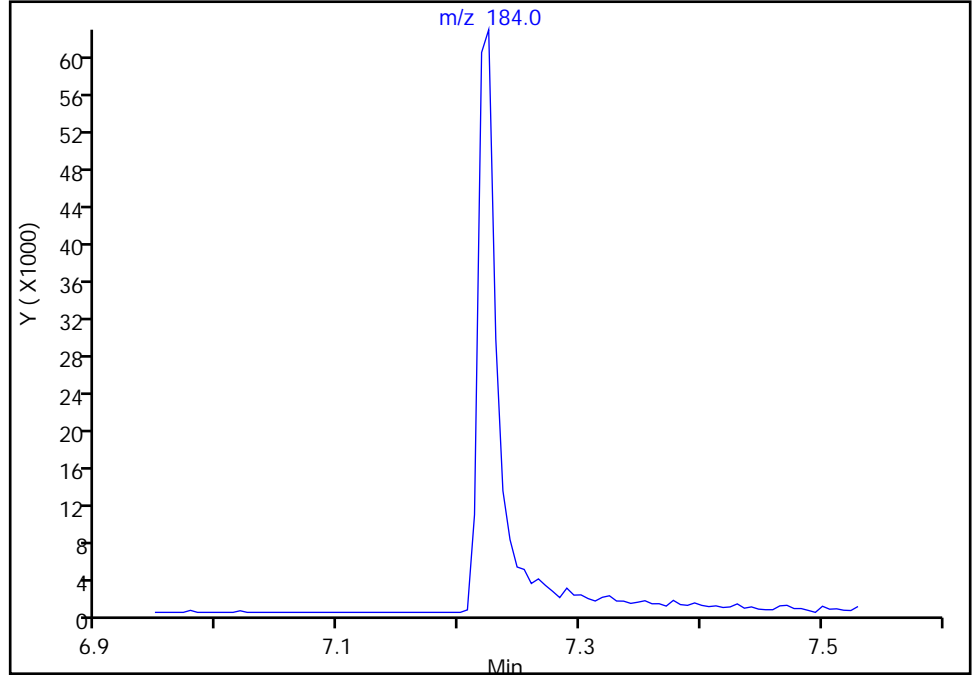
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a007.D
Injection Date: 23-Mar-2022 14:10:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

69 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

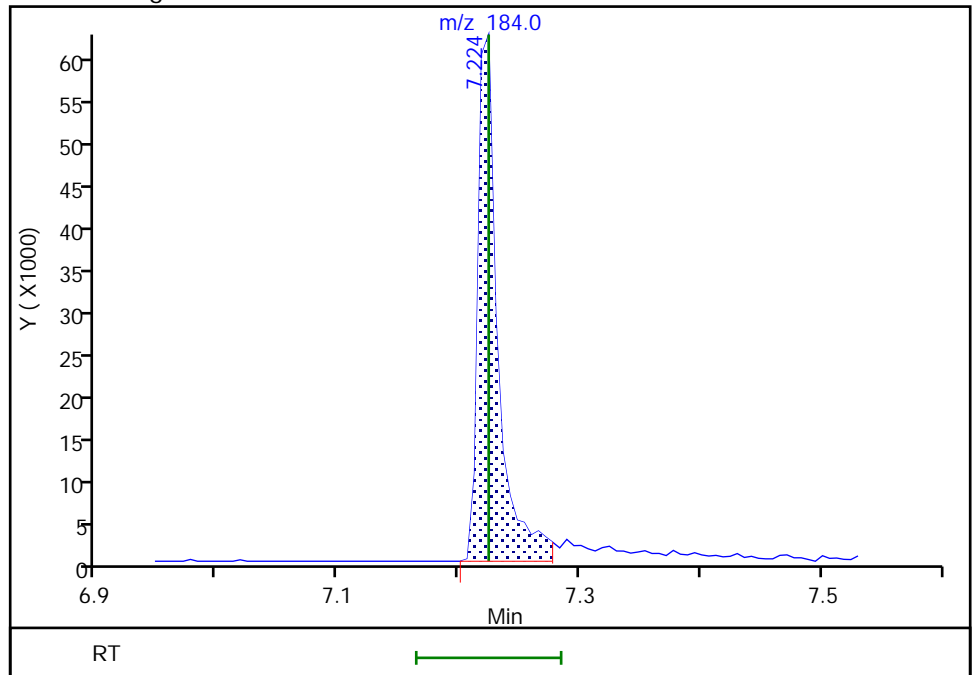
Not Detected
Expected RT: 7.22

Processing Integration Results



Manual Integration Results

RT: 7.22
Area: 72652
Amount: 2015.5207
Amount Units: ug/L



Reviewer: thaneeratw, 24-Mar-2022 16:29:30
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Seattle

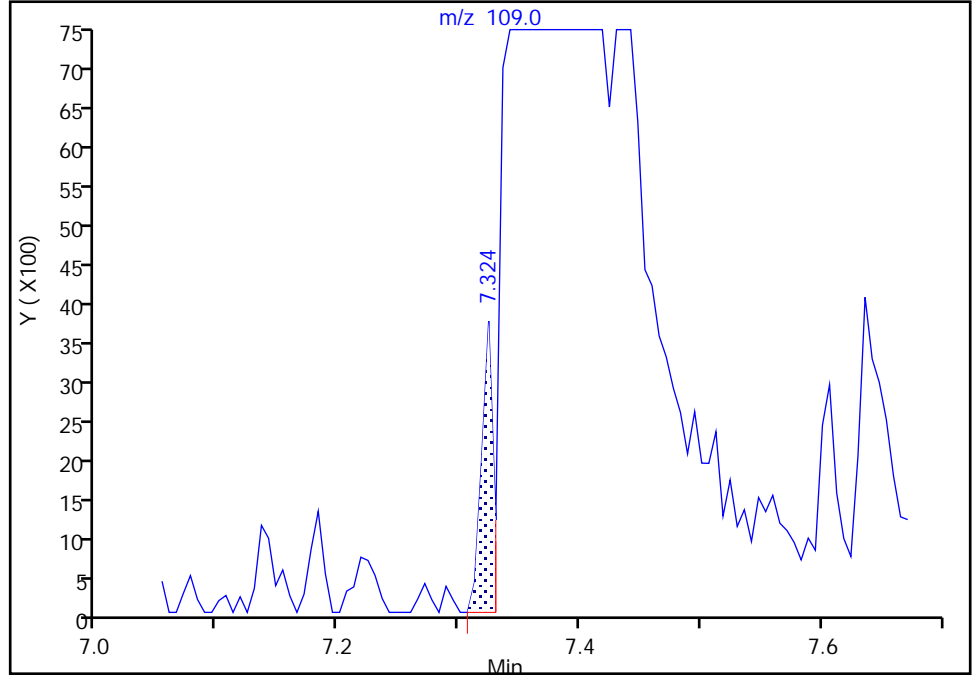
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a007.D
Injection Date: 23-Mar-2022 14:10:30 Instrument ID: TAC040
Lims ID: CCVIS
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 4-Nitrophenol, CAS: 100-02-7

Signal: 1

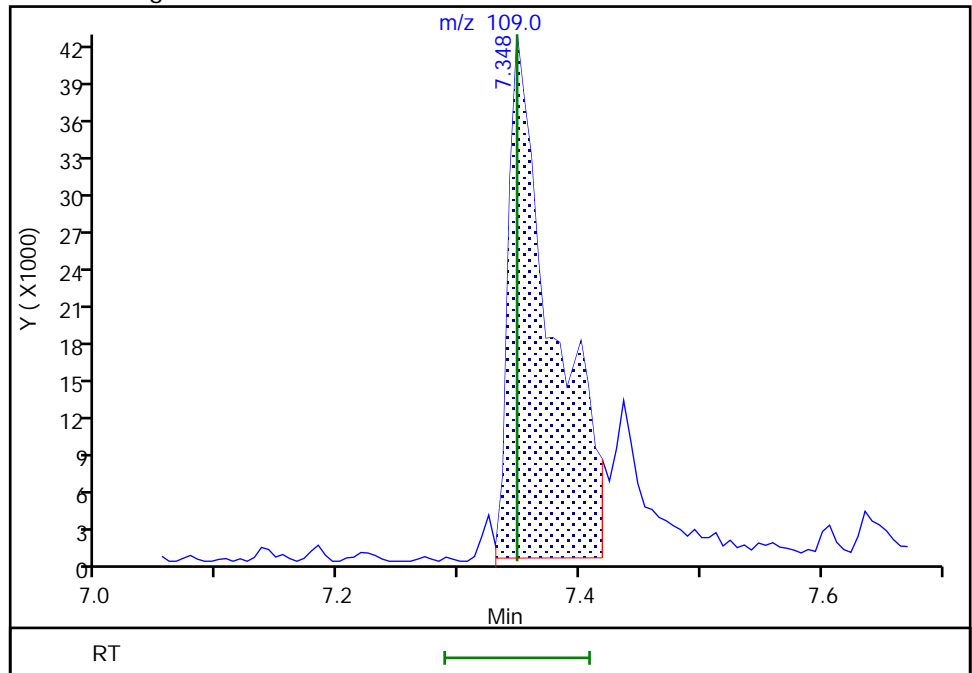
RT: 7.32
Area: 2566
Amount: 412.8436
Amount Units: ug/L

Processing Integration Results



RT: 7.35
Area: 107819
Amount: 1974.9698
Amount Units: ug/L

Manual Integration Results



Reviewer: thaneeratw, 24-Mar-2022 16:29:50
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVC 580-384865/29 Calibration Date: 03/24/2022 00:17
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032322a033.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.8987	0.9923	0.0100	1100	1000	10.4	50.0
Pyridine	Lin1		1.677	0.0100	2270	2000	13.7	50.0
Aniline	Qua1		2.071	0.0100	1020	1000	1.8	50.0
Phenol	Ave	1.816	1.807	0.8000	995	1000	-0.5	50.0
Bis(2-chloroethyl)ether	Ave	1.308	1.358	0.7000	1040	1000	3.9	50.0
2-Chlorophenol	Ave	1.359	1.354	0.8000	996	1000	-0.4	50.0
n-Decane	Lin2		1.858		1100	1000	10.3	50.0
1,3-Dichlorobenzene	Ave	1.524	1.600	0.0100	1050	1000	5.0	50.0
1,4-Dichlorobenzene	Ave	1.568	1.578	0.0100	1010	1000	0.6	50.0
1,2-Dichlorobenzene	Ave	1.480	1.500	0.0100	1010	1000	1.4	50.0
Benzyl alcohol	Lin1		0.4860	0.0100	493	1000	-50.7*	50.0
bis (2-chloroisopropyl) ether	Ave	2.464	2.712	0.0100	1100	1000	10.1	50.0
o-Cresol	Ave	1.261	1.266	0.7000	1000	1000	0.4	50.0
Acetophenone	Ave	1.846	1.899	0.0100	1030	1000	2.9	50.0
N-Nitrosodi-n-propylamine	Ave	1.181	1.190	0.5000	1010	1000	0.8	50.0
m+p-Cresol	Ave	1.249	1.371	0.6000	1100	1000	9.7	50.0
Hexachloroethane	Ave	0.6934	0.7041	0.3000	1020	1000	1.6	50.0
Nitrobenzene	Ave	1.614	1.715	0.2000	1060	1000	6.2	50.0
Isophorone	Lin1		2.853	0.4000	1070	1000	6.8	50.0
2-Nitrophenol	Ave	0.6182	0.7084	0.1000	1150	1000	14.6	50.0
2,4-Dimethylphenol	Ave	0.3423	0.3243	0.2000	948	1000	-5.2	50.0
Benzoic acid	Qua1		0.6236	0.0100	1990	2000	-0.7	50.0
Bis(2-chloroethoxy)methane	Ave	1.615	1.687	0.3000	1040	1000	4.5	50.0
2,4-Dichlorophenol	Ave	0.2446	0.2537	0.2000	1040	1000	3.7	50.0
1,2,4-Trichlorobenzene	Ave	0.3147	0.3060	0.0100	972	1000	-2.8	50.0
Naphthalene	Ave	1.016	1.022	0.7000	1010	1000	0.6	50.0
4-Chloroaniline	Ave	0.3247	0.3010	0.0100	927	1000	-7.3	50.0
2,6-Dichlorophenol	Ave	0.4879	0.4916	0.0100	1010	1000	0.8	50.0
Hexachlorobutadiene	Ave	0.1835	0.1822	0.0100	993	1000	-0.7	50.0
4-Chloro-3-methylphenol	Qua2		0.4931	0.2000	939	1000	-6.1	50.0
2-Methylnaphthalene	Ave	0.6294	0.6326	0.4000	1010	1000	0.5	50.0
1-Methylnaphthalene	Ave	0.6112	0.5924	0.0100	969	1000	-3.1	50.0
Hexachlorocyclopentadiene	Ave	0.3509	0.2493	0.0500	710	1000	-29.0	50.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6185	0.5818		941	1000	-5.9	50.0
2,4,6-Trichlorophenol	Lin2		0.3227	0.2000	935	1000	-6.5	50.0
2,4,5-Trichlorophenol	Lin2		0.3332	0.2000	854	1000	-14.6	50.0
1,1'-Biphenyl	Ave	1.432	1.396	0.0100	975	1000	-2.5	50.0
2-Chloronaphthalene	Ave	1.167	1.117	0.8000	957	1000	-4.3	50.0
2-Nitroaniline	Qua2		0.3791	0.0100	1020	1000	2.1	50.0
Dimethyl phthalate	Ave	1.226	1.213	0.0100	990	1000	-1.0	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVC 580-384865/29 Calibration Date: 03/24/2022 00:17
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032322a033.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin2		0.2617	0.2000	944	1000	-5.6	50.0
Acenaphthylene	Ave	1.841	1.789	0.9000	972	1000	-2.8	50.0
3-Nitroaniline	Lin2		0.2507	0.0100	994	1000	-0.6	50.0
Acenaphthene	Ave	1.231	1.188	0.9000	965	1000	-3.5	50.0
2,4-Dinitrophenol	Lin1		0.0388	0.0100	1190	2000	-40.4	50.0
2,4-Dinitrotoluene	Lin2		0.3302	0.2000	939	1000	-6.1	50.0
Dibenzofuran	Ave	1.574	1.594	0.8000	1010	1000	1.2	50.0
4-Nitrophenol	Lin1		0.1579	0.0100	1980	2000	-0.9	50.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2495	0.0100	893	1000	-10.7	50.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3350	0.0100	1080	1000	8.0	50.0
Diethyl phthalate	Ave	1.313	1.305	0.0100	994	1000	-0.6	50.0
Fluorene	Ave	1.262	1.237	0.9000	980	1000	-2.0	50.0
4-Chlorophenyl phenyl ether	Ave	0.5619	0.5590	0.4000	995	1000	-0.5	50.0
4-Nitroaniline	Ave	0.2383	0.2252	0.0100	945	1000	-5.5	50.0
4,6-Dinitro-2-methylphenol	Lin2		0.0487	0.0100	1160	2000	-41.9	50.0
N-Nitrosodiphenylamine	Ave	0.5255	0.5225	0.0100	994	1000	-0.6	50.0
Azobenzene	Ave	1.004	1.125		1120	1000	12.0	50.0
4-Bromophenyl phenyl ether	Ave	0.2386	0.2339	0.1000	980	1000	-2.0	50.0
Hexachlorobenzene	Lin2		0.3413	0.1000	1010	1000	1.3	50.0
Atrazine	Lin2		0.2954	0.0100	973	1000	-2.7	50.0
Pentachlorophenol	Lin2		0.1556	0.0500	2210	2000	10.4	50.0
n-Octadecane	Ave	0.5506	0.6117		1110	1000	11.1	50.0
Phenanthrene	Ave	1.090	1.104	0.7000	1010	1000	1.3	50.0
Anthracene	Ave	1.107	1.177	0.7000	1060	1000	6.4	50.0
Carbazole	Qua1		1.013	0.0100	1280	1000	27.5	50.0
Di-n-butyl phthalate	Ave	1.360	1.462	0.0100	1080	1000	7.5	50.0
Fluoranthene	Ave	1.141	1.204	0.6000	1050	1000	5.5	50.0
Benidine	Qua2		0.2337	0.0100	2880	2000	43.8	50.0
Pyrene	Ave	1.206	1.240	0.6000	1030	1000	2.8	50.0
Butyl benzyl phthalate	Ave	0.6015	0.6336	0.0100	1050	1000	5.3	50.0
3,3'-Dichlorobenzidine	Ave	0.3481	0.4681	0.0100	2690	2000	34.5	50.0
Benzo[a]anthracene	Ave	1.163	1.180	0.8000	1010	1000	1.4	50.0
Chrysene	Ave	1.223	1.148	0.7000	938	1000	-6.2	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.8342	0.9400	0.0100	1130	1000	12.7	50.0
Di-n-octyl phthalate	Lin2		1.381	0.0100	1080	1000	8.0	50.0
Benzo[b]fluoranthene	Ave	1.028	1.092	0.7000	1060	1000	6.2	50.0
Benzo[k]fluoranthene	Ave	1.283	1.312	0.7000	1020	1000	2.3	50.0
Benzo[fluoranthene	Ave	1.151	1.170		2030	2000	1.7	50.0
Benzo[a]pyrene	Ave	0.9599	0.9941	0.7000	1040	1000	3.6	50.0
Indeno[1,2,3-cd]pyrene	Qua2		0.8847	0.5000	992	1000	-0.8	50.0
Dibenz(a,h)anthracene	Lin2		0.9940	0.4000	899	1000	-10.1	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVC 580-384865/29 Calibration Date: 03/24/2022 00:17
 Instrument ID: TAC040 Calib Start Date: 03/21/2022 05:25
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/21/2022 08:53
 Lab File ID: 40Scan032322a033.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	1.130	1.051	0.5000	930	1000	-7.0	50.0
2-Fluorophenol (Surr)	Ave	1.327	1.318		994	1000	-0.6	50.0
Phenol-d5 (Surr)	Ave	1.602	1.768		1100	1000	10.4	50.0
Nitrobenzene-d5 (Surr)	Ave	0.4057	0.4248		1050	1000	4.7	50.0
2-Fluorobiphenyl	Ave	1.329	1.268		953	1000	-4.7	50.0
2,4,6-Tribromophenol (Surr)	Qua2		0.1823	0.0100	1040	1000	3.8	50.0
Terphenyl-d14	Ave	0.7918	0.8215		1040	1000	3.7	50.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a033.D
 Lims ID: ccvc
 Client ID:
 Sample Type: CCVC
 Inject. Date: 24-Mar-2022 00:17:30 ALS Bottle#: 3 Worklist Smp#: 29
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: ccvc
 Operator ID: jcm Instrument ID: TAC040
 Sublist: chrom-8270TAC040*sub20
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 18:34:34 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw

Date: 24-Mar-2022 18:34:34

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	95	18155	100.0	100.0	
* 2 Naphthalene-d8	136	5.718	5.719	-0.001	98	71422	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	81	36630	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	96	56291	100.0	100.0	
* 5 Chrysene-d12	240	10.571	10.571	0.000	60	54205	100.0	100.0	
* 6 Perylene-d12	264	12.083	12.083	0.000	95	62158	100.0	100.0	
\$ 7 2-Fluorophenol	112	3.654	3.718	0.000	95	239360	1000.0	993.8	
\$ 8 Phenol-d5	99	4.436	4.466	-0.006	0	321059	1000.0	1104.1	
\$ 9 Nitrobenzene-d5	82	5.136	5.148	-0.006	95	303426	1000.0	1047.1	
\$ 10 2-Fluorobiphenyl	172	6.612	6.613	-0.001	99	464293	1000.0	953.5	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	93	102641	1000.0	1037.7	
\$ 12 Terphenyl-d14	244	9.689	9.689	0.000	98	462433	1000.0	1037.5	
15 N-Nitrosodimethylamine	74	2.482	2.483	-0.001	84	180156	1000.0	1104.1	
16 Pyridine	79	2.498	2.659	-0.001	91	608891	2000.0	2274.6	
17 Aniline	93	4.424	4.425	-0.001	93	375967	1000.0	1018.1	
18 Phenol	94	4.448	4.448	0.000	77	328008	1000.0	994.9	a
19 Bis(2-chloroethyl)ether	93	4.483	4.478	-0.006	84	246622	1000.0	1038.9	
20 2-Chlorophenol	128	4.530	4.536	0.000	97	245774	1000.0	996.1	
21 n-Decane	57	4.566	4.572	-0.006	94	337386	1000.0	1103.4	
22 1,3-Dichlorobenzene	146	4.636	4.636	0.000	92	290482	1000.0	1050.2	
23 1,4-Dichlorobenzene	146	4.701	4.701	0.000	89	286531	1000.0	1006.4	
27 Benzyl alcohol	79	4.818	4.818	0.005	38	88242	1000.0	493.0	M
24 1,2-Dichlorobenzene	146	4.818	4.819	-0.001	90	272414	1000.0	1013.9	
25 2,2'-oxybis[1-chloropropane]	45	4.924	4.925	-0.001	80	492419	1000.0	1100.9	
28 2-Methylphenol	108	4.924	4.930	-0.006	70	229824	1000.0	1003.7	
29 Acetophenone	105	5.018	5.019	-0.001	86	344785	1000.0	1028.7	
30 N-Nitrosodi-n-propylamine	70	5.024	5.025	-0.001	93	216015	1000.0	1007.8	
32 3 & 4 Methylphenol	108	5.054	5.060	-0.006	0	248910	1000.0	1097.4	
31 Hexachloroethane	117	5.095	5.095	0.000	96	127832	1000.0	1015.5	
33 Nitrobenzene	77	5.154	5.154	0.000	92	311287	1000.0	1062.0	
34 Isophorone	82	5.354	5.354	0.000	98	517931	1000.0	1068.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 2-Nitrophenol	139	5.413	5.413	0.000	93	128605	1000.0	1145.8	
37 2,4-Dimethylphenol	107	5.471	5.483	-0.006	95	231641	1000.0	947.5	
38 Bis(2-chloroethoxy)methane	93	5.542	5.542	0.000	92	306353	1000.0	1044.8	
36 Benzoic acid	105	5.542	5.542	-0.006	43	226426	2000.0	1986.9	Ma
39 2,4-Dichlorophenol	162	5.630	5.630	0.000	96	181215	1000.0	1037.5	
40 1,2,4-Trichlorobenzene	180	5.677	5.677	0.000	94	218545	1000.0	972.2	
41 Naphthalene	128	5.736	5.742	0.000	98	729934	1000.0	1005.7	
43 4-Chloroaniline	127	5.795	5.795	0.000	73	214992	1000.0	927.1	
42 2,6-Dichlorophenol	162	5.801	5.801	0.000	90	180067	1000.0	1007.6	
44 Hexachlorobutadiene	225	5.842	5.842	0.000	95	130147	1000.0	992.8	
45 4-Chloro-3-methylphenol	107	6.224	6.230	-0.006	95	180607	1000.0	939.5	
46 2-Methylnaphthalene	142	6.301	6.313	-0.006	77	451803	1000.0	1005.1	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	91	423106	1000.0	969.3	
48 Hexachlorocyclopentadiene	237	6.430	6.436	-0.006	88	91313	1000.0	710.3	
49 1,2,4,5-Tetrachlorobenzene	216	6.442	6.442	0.000	95	213109	1000.0	940.6	
50 2,4,6-Trichlorophenol	196	6.548	6.548	0.000	95	118188	1000.0	935.4	
51 2,4,5-Trichlorophenol	196	6.595	6.595	-0.006	91	122035	1000.0	854.1	M
52 1,1'-Biphenyl	154	6.689	6.689	0.000	97	511262	1000.0	974.6	
53 2-Chloronaphthalene	162	6.701	6.701	0.000	97	409205	1000.0	956.9	
54 2-Nitroaniline	138	6.795	6.801	-0.006	77	138877	1000.0	1021.3	
55 Dimethyl phthalate	163	6.954	6.954	0.000	96	444464	1000.0	989.8	
56 1,3-Dinitrobenzene	168	6.971	6.971	0.000	54	54893	1000.0	956.6	
57 2,6-Dinitrotoluene	165	6.995	6.995	0.000	65	95848	1000.0	943.8	
58 Acenaphthylene	152	7.036	7.036	0.000	93	655444	1000.0	972.2	
59 3-Nitroaniline	138	7.136	7.136	0.000	88	91822	1000.0	994.2	
60 Acenaphthene	153	7.177	7.183	-0.006	97	435026	1000.0	964.8	
69 2,4-Dinitrophenol	184	7.224	7.224	0.000	67	28394	2000.0	1192.0	a
61 Dibenzofuran	168	7.324	7.324	0.000	88	583760	1000.0	1012.4	
62 2,4-Dinitrotoluene	165	7.324	7.324	0.000	65	120958	1000.0	938.7	
63 4-Nitrophenol	109	7.342	7.342	-0.006	95	115666	2000.0	1982.4	Ma
64 2,3,5,6-Tetrachlorophenol	232	7.401	7.401	0.000	91	91390	1000.0	892.6	
65 2,3,4,6-Tetrachlorophenol	232	7.436	7.436	0.000	76	122701	1000.0	1080.4	
66 Diethyl phthalate	149	7.530	7.530	0.000	95	478015	1000.0	993.5	
67 Fluorene	166	7.607	7.607	0.000	80	453151	1000.0	980.3	
68 4-Chlorophenyl phenyl ether	204	7.612	7.613	-0.001	95	204773	1000.0	994.8	
70 4-Nitroaniline	138	7.636	7.636	0.000	26	82501	1000.0	945.0	
73 4,6-Dinitro-2-methylphenol	198	7.654	7.654	0.000	70	54814	2000.0	1162.8	
71 N-Nitrosodiphenylamine	169	7.712	7.713	-0.001	67	294128	1000.0	994.3	
72 Azobenzene	77	7.742	7.742	0.000	93	633175	1000.0	1119.9	
74 4-Bromophenyl phenyl ether	248	8.012	8.013	-0.001	71	131669	1000.0	980.4	
75 Hexachlorobenzene	284	8.048	8.048	0.000	90	192103	1000.0	1013.0	
76 Atrazine	200	8.159	8.165	-0.007	73	108223	1000.0	972.6	
77 Pentachlorophenol	266	8.224	8.224	0.000	91	175125	2000.0	2208.5	
78 n-Octadecane	43	8.312	8.313	-0.001	90	344354	1000.0	1111.0	
79 Phenanthrene	178	8.389	8.389	0.000	98	621583	1000.0	1013.0	
80 Anthracene	178	8.430	8.430	0.000	98	662731	1000.0	1063.6	
81 Carbazole	167	8.577	8.577	0.000	82	570074	1000.0	1275.0	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	99	823102	1000.0	1075.1	
84 Fluoranthene	202	9.365	9.365	0.000	99	677617	1000.0	1054.7	
85 Benzidine	184	9.495	9.507	0.000	98	263053	2000.0	2876.4	
86 Pyrene	202	9.548	9.548	0.000	95	697831	1000.0	1027.8	
87 Butyl benzyl phthalate	149	10.106	10.107	-0.001	96	343449	1000.0	1053.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
91 3,3'-Dichlorobenzidine	252	10.559	10.559	0.000	66	507481	2000.0	2689.7	
89 Benzo[a]anthracene	228	10.565	10.565	0.000	99	639509	1000.0	1014.1	
90 Chrysene	228	10.595	10.595	0.000	92	622238	1000.0	938.4	
92 Bis(2-ethylhexyl) phthalate	149	10.624	10.630	-0.006	81	509524	1000.0	1126.9	
93 Di-n-octyl phthalate	149	11.289	11.289	0.000	99	858705	1000.0	1080.2	
94 Benzo[b]fluoranthene	252	11.653	11.659	-0.006	93	678683	1000.0	1062.2	
95 Benzofluoranthene	252	11.689	11.695	0.000	0	1454686	2000.0	2033.1	
96 Benzo[k]fluoranthene	252	11.689	11.689	0.000	97	815699	1000.0	1022.7	
97 Benzo[a]pyrene	252	12.018	12.018	0.000	79	617885	1000.0	1035.6	
98 Indeno[1,2,3-cd]pyrene	276	13.341	13.348	-0.001	97	549896	1000.0	992.4	
99 Dibenz(a,h)anthracene	278	13.377	13.383	0.000	82	617856	1000.0	898.8	
100 Benzo[g,h,i]perylene	276	13.653	13.660	0.000	94	653100	1000.0	930.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_8270_1000_00057

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a033.D

Injection Date: 24-Mar-2022 00:17:30

Instrument ID: TAC040

Lims ID: ccvc

Client ID:

Operator ID: jcm

ALS Bottle#: 3

Worklist Smp#: 29

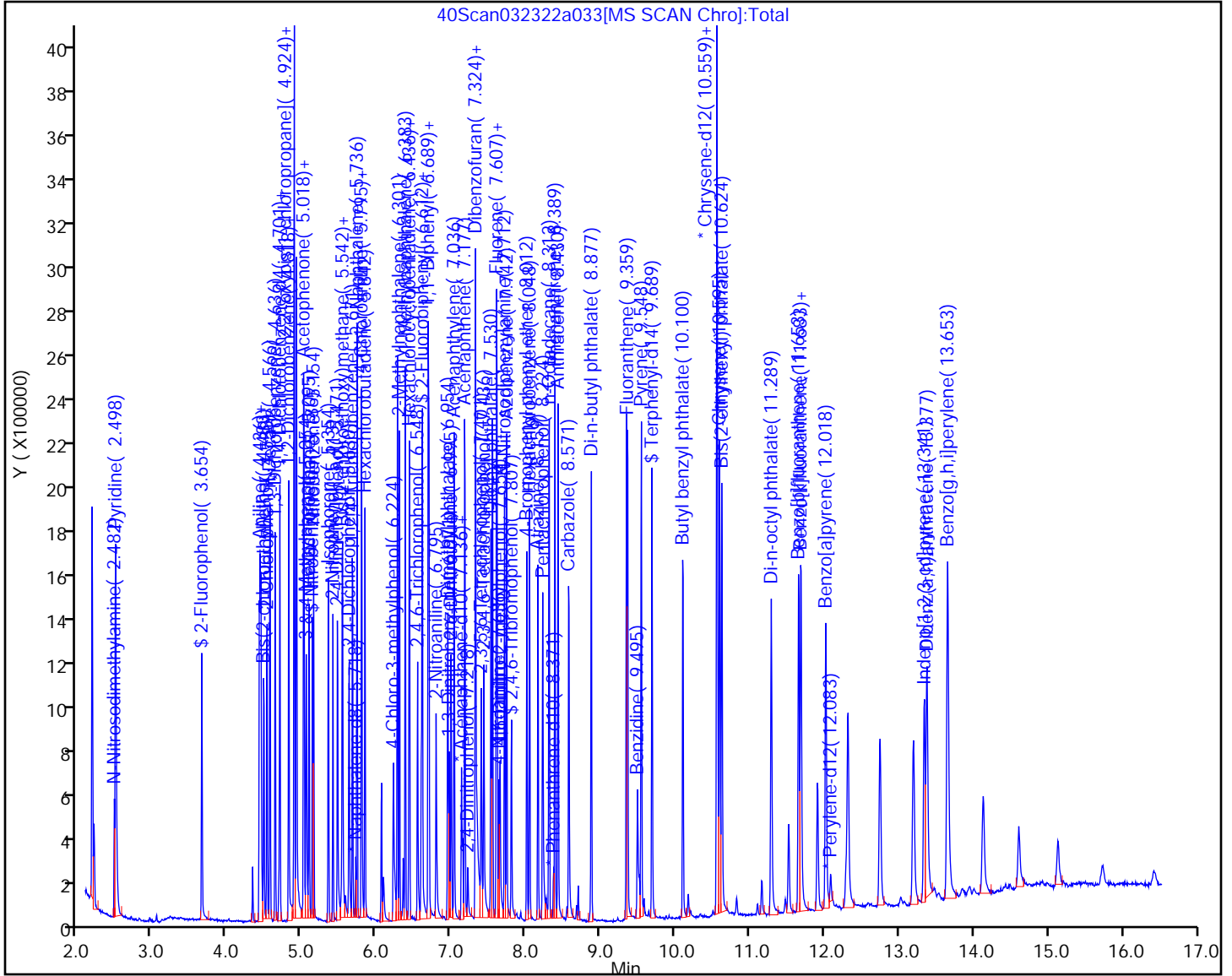
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

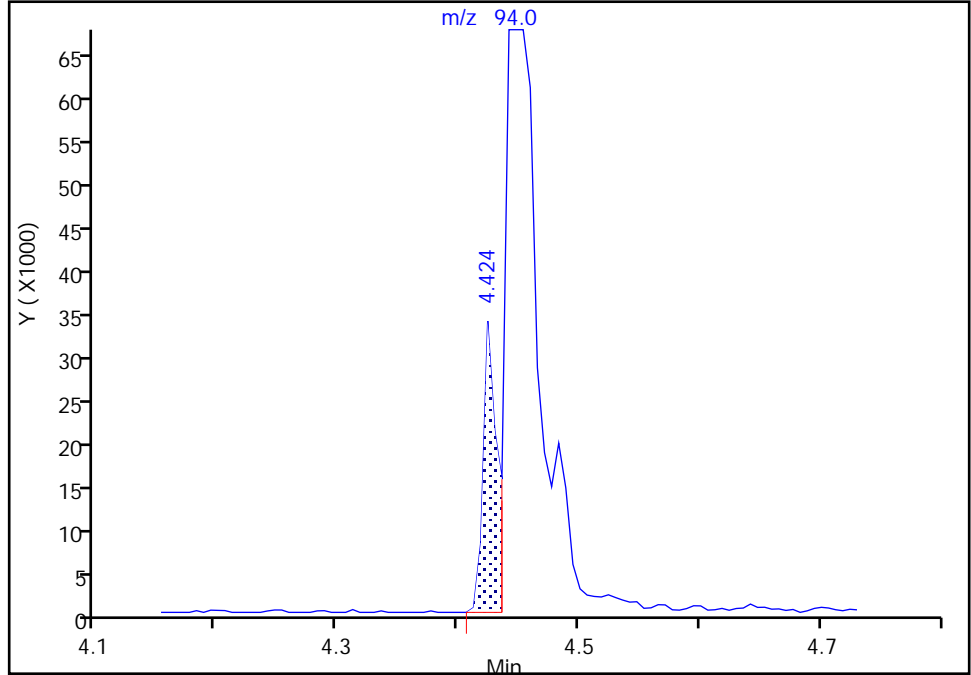
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Injection Date: 24-Mar-2022 00:17:30 Instrument ID: TAC040
Lims ID: ccvc
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

18 Phenol, CAS: 108-95-2

Signal: 1

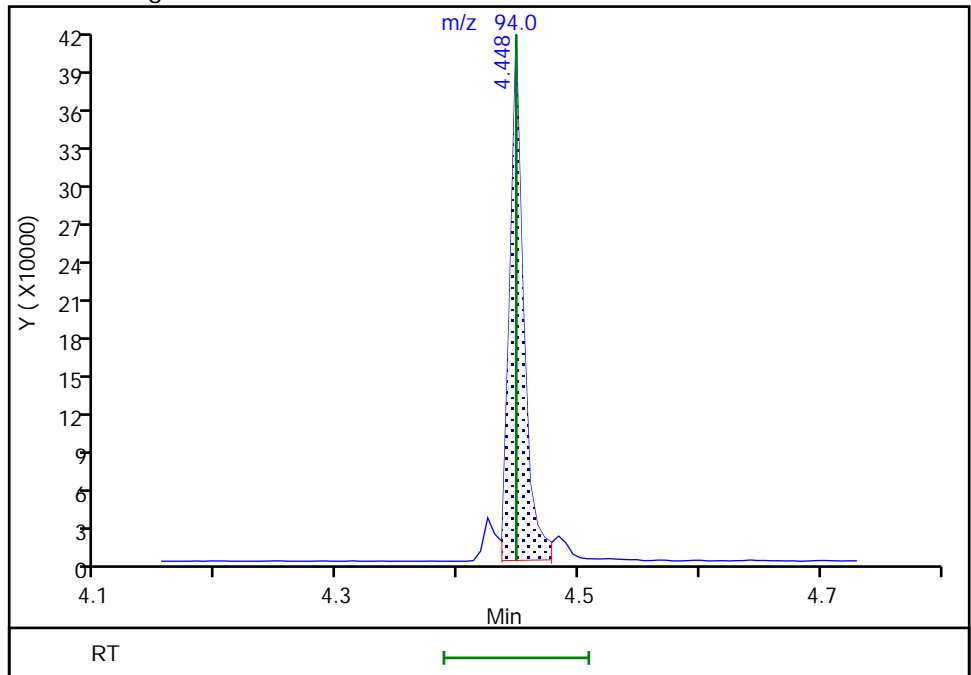
RT: 4.42
Area: 27843
Amount: 84.448354
Amount Units: ug/L

Processing Integration Results



RT: 4.45
Area: 328008
Amount: 994.8546
Amount Units: ug/L

Manual Integration Results



Reviewer: thaneeratw, 24-Mar-2022 18:30:51
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle

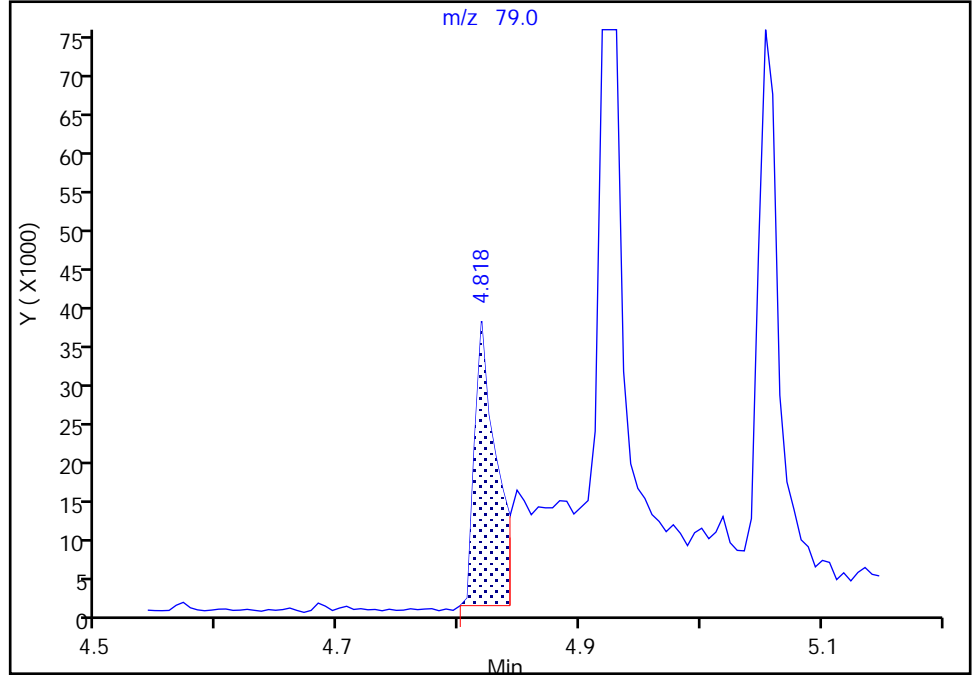
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Injection Date: 24-Mar-2022 00:17:30 Instrument ID: TAC040
Lims ID: ccvc
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

27 Benzyl alcohol, CAS: 100-51-6

Signal: 1

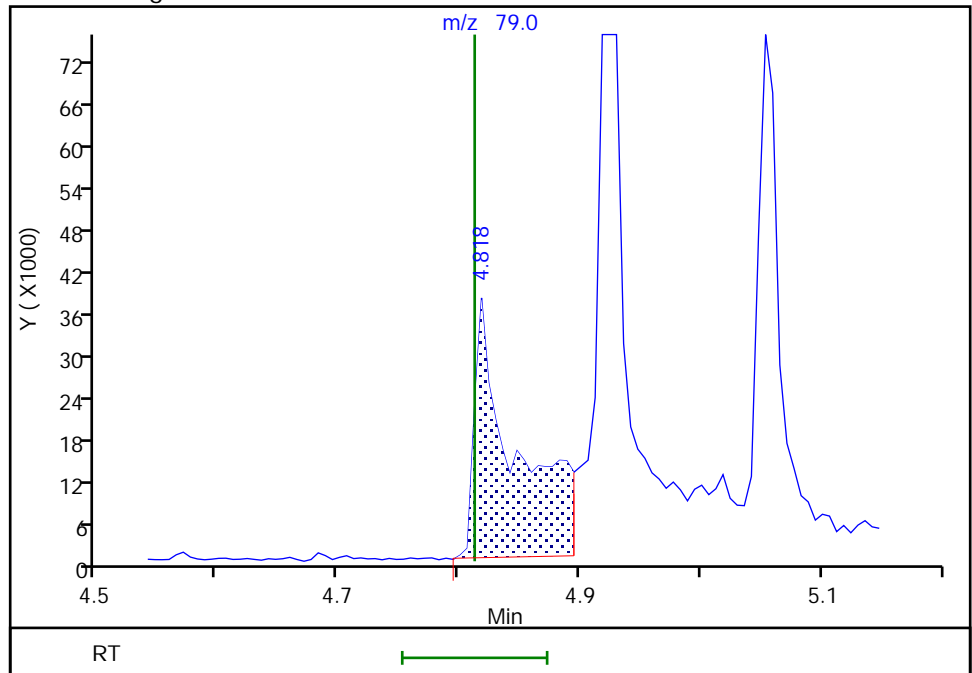
RT: 4.82
Area: 45514
Amount: 276.4265
Amount Units: ug/L

Processing Integration Results



RT: 4.82
Area: 88242
Amount: 493.0045
Amount Units: ug/L

Manual Integration Results



Reviewer: thaneeratw, 24-Mar-2022 18:31:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

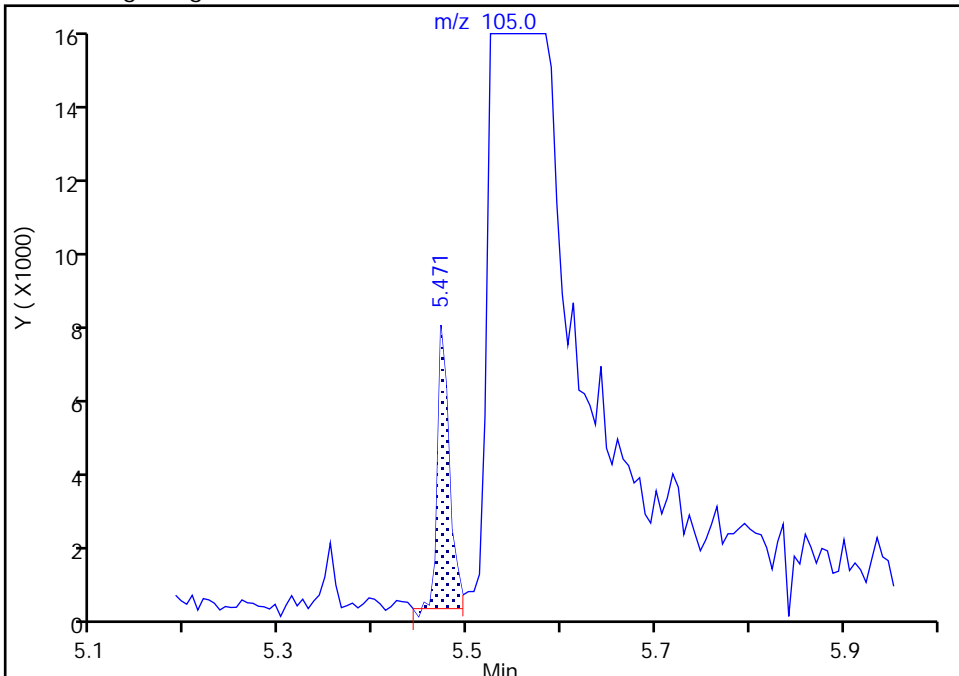
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a033.D
Injection Date: 24-Mar-2022 00:17:30 Instrument ID: TAC040
Lims ID: ccvc
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

36 Benzoic acid, CAS: 65-85-0

Signal: 1

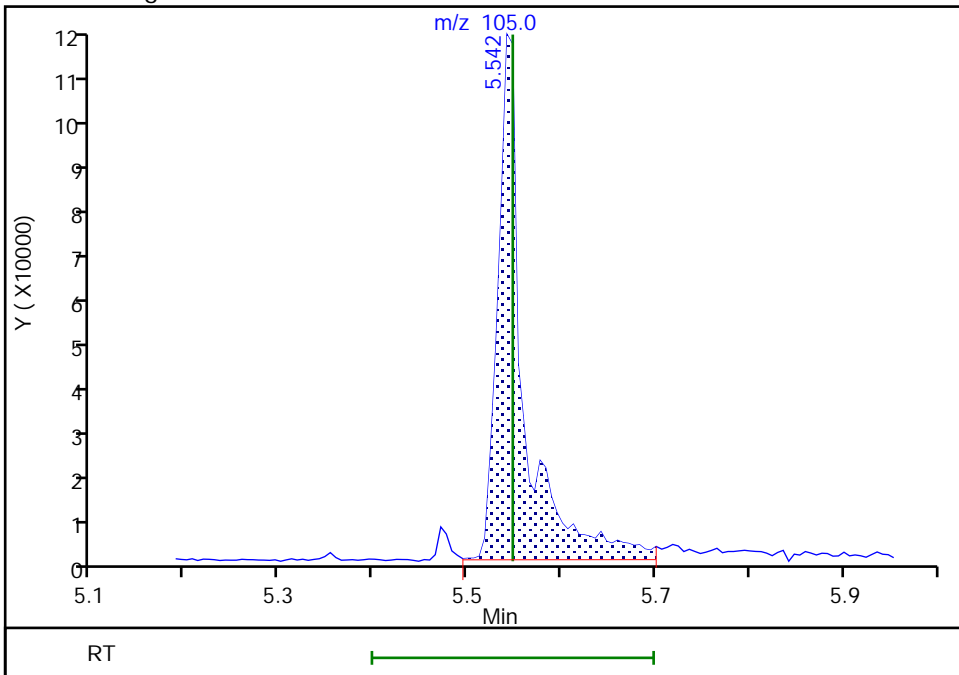
RT: 5.47
Area: 6356
Amount: 269.5996
Amount Units: ug/L

Processing Integration Results



RT: 5.54
Area: 226426
Amount: 1986.9287
Amount Units: ug/L

Manual Integration Results



Reviewer: thaneeratw, 24-Mar-2022 18:31:51
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Seattle

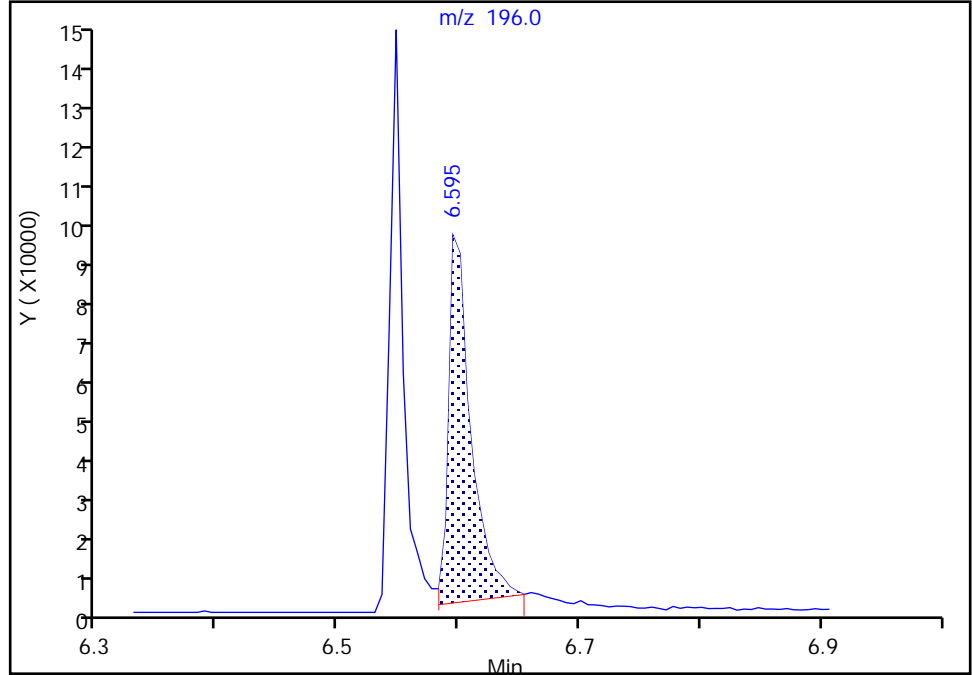
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a033.D
Injection Date: 24-Mar-2022 00:17:30 Instrument ID: TAC040
Lims ID: ccvc
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

51 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

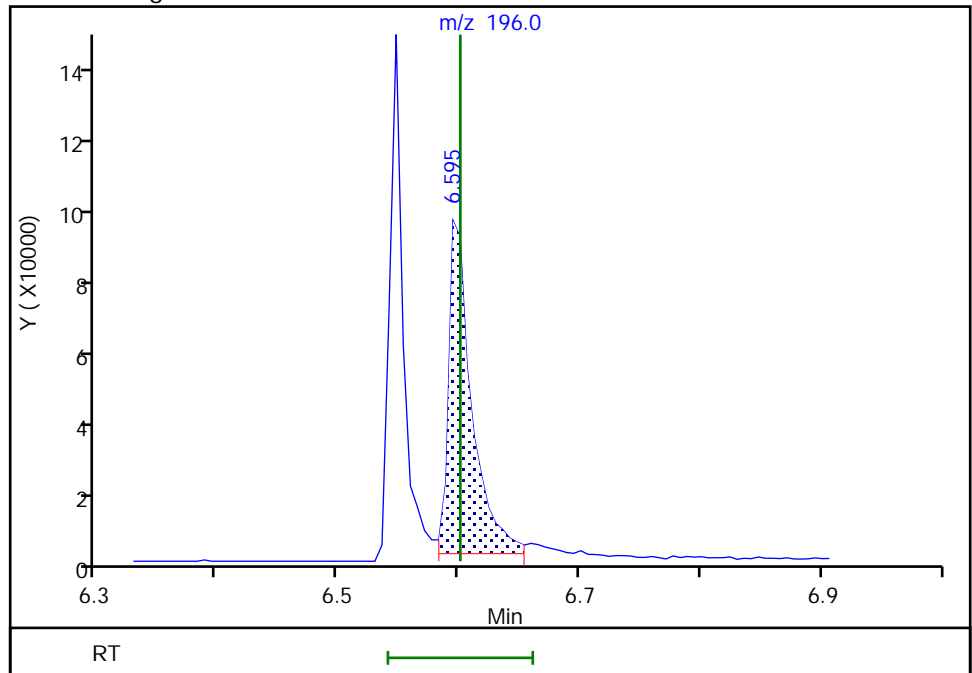
RT: 6.59
Area: 117022
Amount: 819.8239
Amount Units: ug/L

Processing Integration Results



RT: 6.59
Area: 122035
Amount: 854.1420
Amount Units: ug/L

Manual Integration Results



Reviewer: thaneeratw, 24-Mar-2022 18:32:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

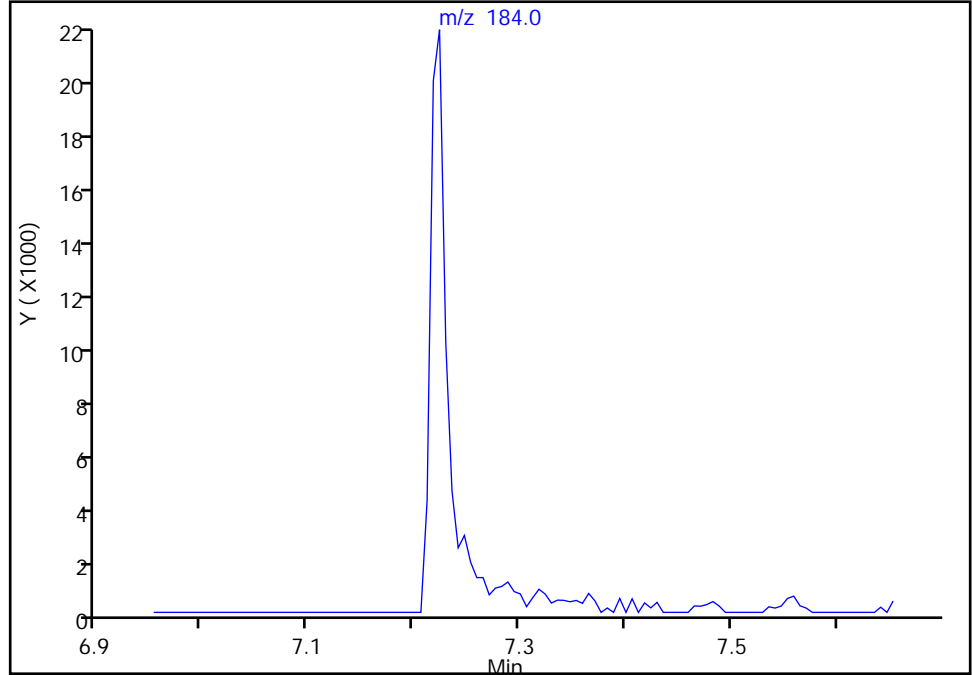
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a033.D
Injection Date: 24-Mar-2022 00:17:30 Instrument ID: TAC040
Lims ID: ccvc
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

69 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

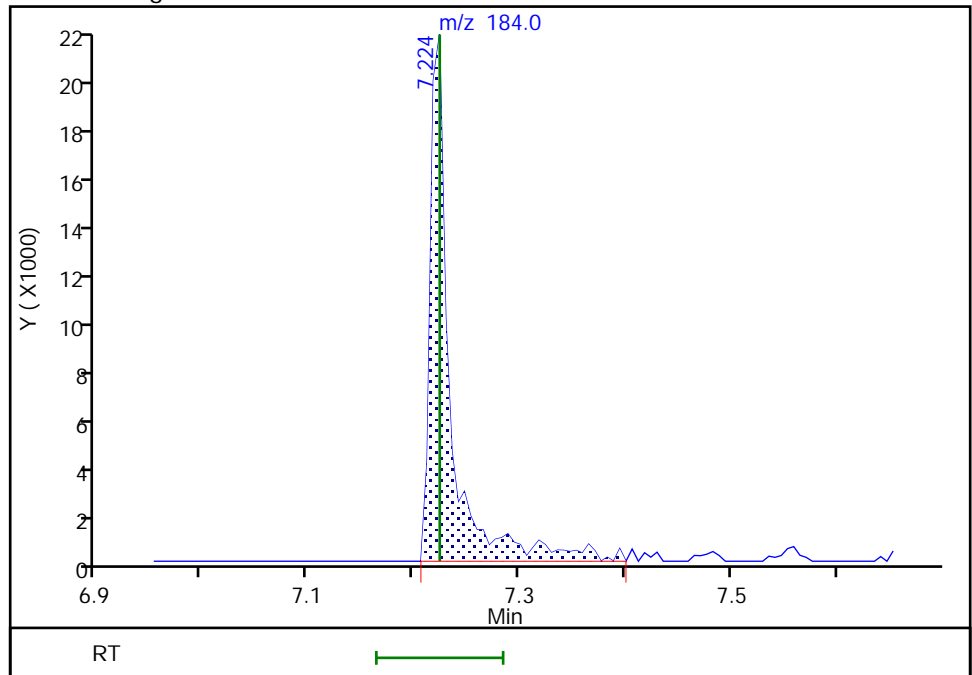
Not Detected
Expected RT: 7.22

Processing Integration Results



Manual Integration Results

RT: 7.22
Area: 28394
Amount: 1191.9902
Amount Units: ug/L



Reviewer: thaneeratw, 24-Mar-2022 18:32:51
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Seattle

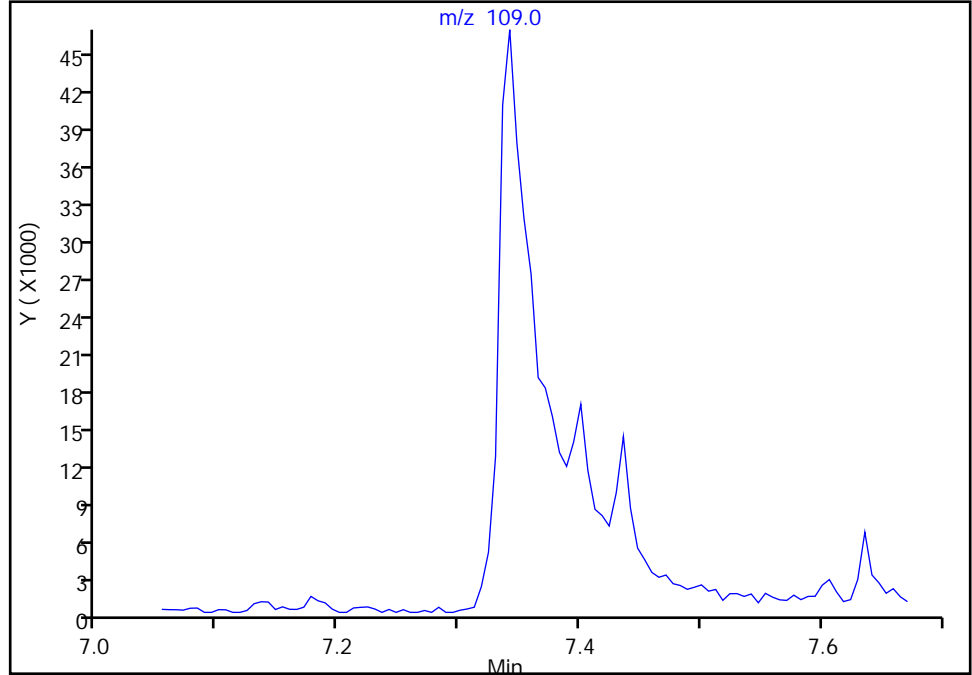
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a033.D
Injection Date: 24-Mar-2022 00:17:30 Instrument ID: TAC040
Lims ID: ccvc
Client ID:
Operator ID: jcm ALS Bottle#: 3 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 4-Nitrophenol, CAS: 100-02-7

Signal: 1

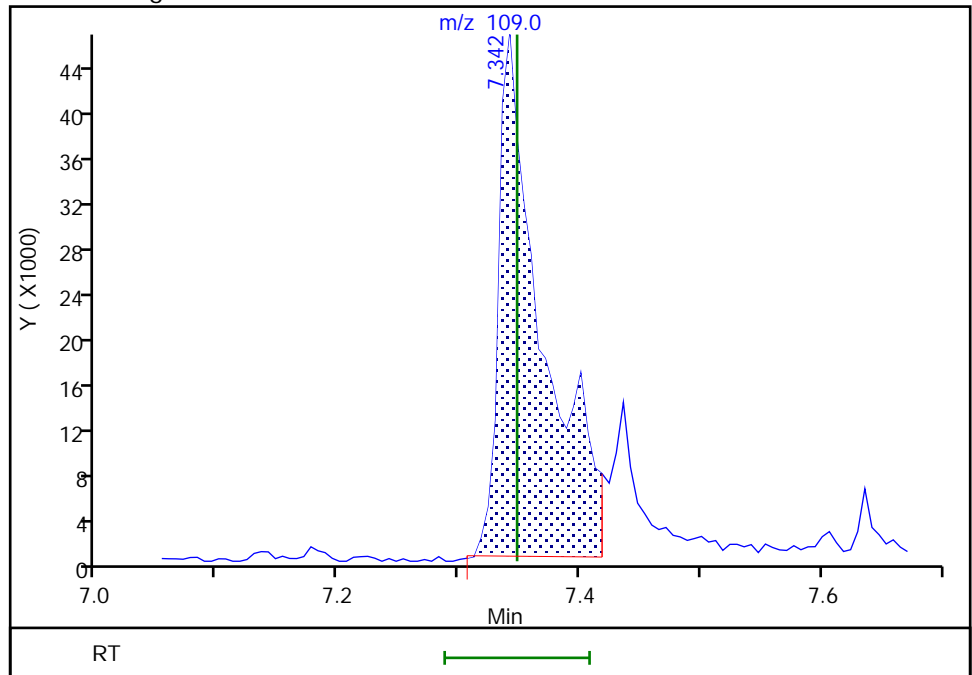
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.34
Area: 115666
Amount: 1982.3768
Amount Units: ug/L



Reviewer: thaneeratw, 24-Mar-2022 18:33:23
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 22-Mar-2022 12:06:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: DFTPP
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 22-Mar-2022 18:17:22 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: limmere

Date: 22-Mar-2022 13:20:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
120 Pentachlorophenol_T	266	8.224	8.224	0.000	94	1045692	NR	NR	
121 DFTPP									
122 Benzidine_T	184	9.495	9.495	0.000	98	4193746	NR	NR	
123 4,4'-DDE	246	9.648	9.648	0.000	65	4169		NR	
124 4,4'-DDD	235	9.924	9.924	0.000	95	64177		NR	
125 4,4'-DDT	235	10.171	10.171	0.000	96	2639499	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

DFTPPx2_00044

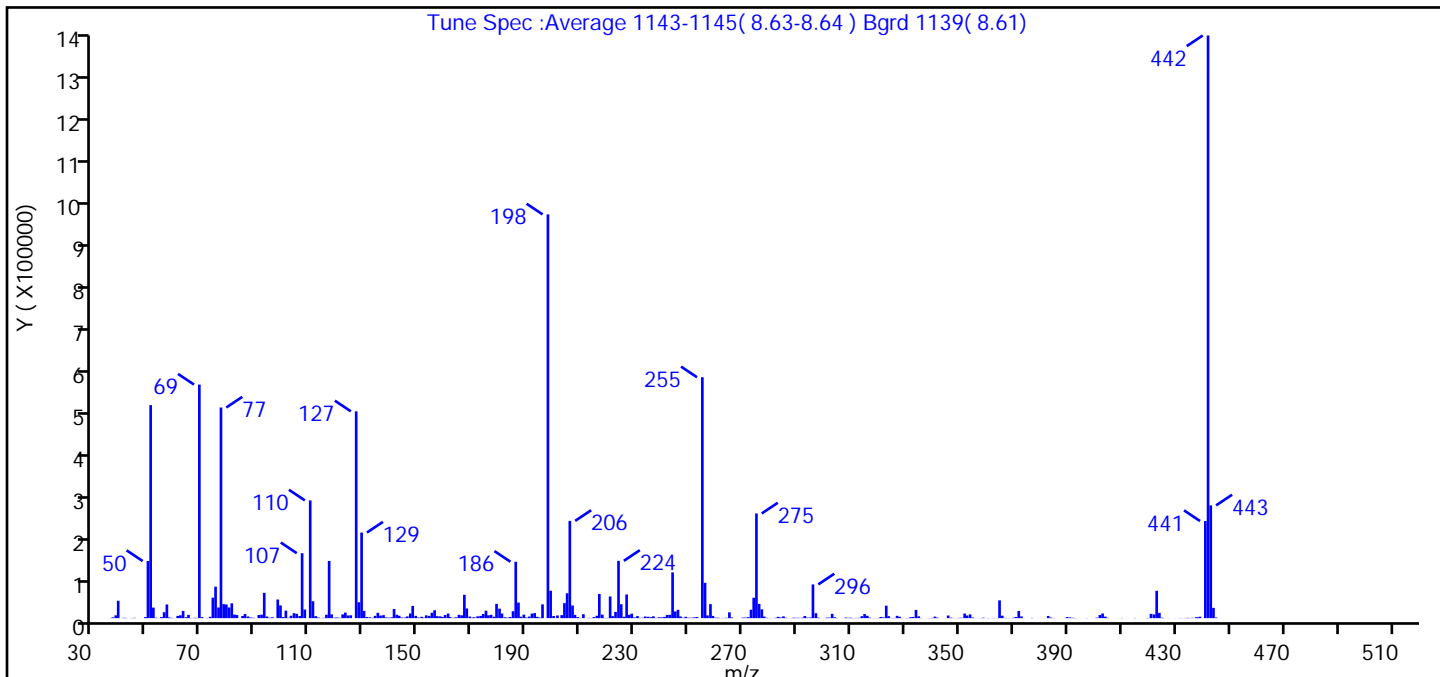
Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D
 Injection Date: 22-Mar-2022 12:06:30 Instrument ID: TAC040
 Lims ID: DFTPP
 Client ID:
 Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Tune Method: DFTPP Method 525.2, BP 198

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (69.3)
51	10-80% of the base peak	52.8
68	<2% of mass 69	0.1 (0.1)
69	Present	57.9
70	<2% of mass 69	0.3 (0.4)
127	10-80% of the base peak	51.2
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.8
275	10-60% of the base peak	25.9
365	>1% of the base peak	4.4
441	Present and < mass 443	24.1 (86.1)
442	base peak, or >50% of 198	144.3
443	15-24% of mass 442	27.9 (19.4)

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D\8270TAC040.rslt\spectra
Injection Date: 22-Mar-2022 12:06:30
Spectrum: Tune Spec :Average 1143-1145(8.63-8.64) Bgrd 1139(8.61)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	212	138.00	1658	233.00	1027	330.00	91
37.00	1972	139.00	1252	234.00	3915	331.00	429
38.00	6721	140.00	1941	235.00	3354	332.00	2249
39.00	41440	141.00	21752	236.00	2389	333.00	2853
41.00	807	142.00	8070	237.00	4322	334.00	19632
42.00	538	143.00	5690	238.00	611	335.00	4363
44.00	357	144.00	1537	239.00	2161	336.00	491
45.00	777	145.00	1372	240.00	1822	338.00	132
46.00	54	146.00	4075	241.00	3071	339.00	438
49.00	2685	147.00	11150	242.00	7645	340.00	710
50.00	136320	148.00	29112	243.00	8036	341.00	3588
51.00	508416	149.00	5509	244.00	109176	342.00	1134
52.00	25200	150.00	1430	245.00	15952	345.00	118
53.00	978	151.00	3266	246.00	19888	346.00	6258
54.00	158	152.00	1090	247.00	4036	347.00	1277
55.00	2679	153.00	6713	248.00	971	348.00	294
56.00	14235	154.00	5340	249.00	3217	349.00	60
57.00	32616	155.00	12972	250.00	1029	350.00	506
58.00	1659	156.00	18888	251.00	1102	351.00	882
59.00	666	157.00	4710	252.00	1818	352.00	10938
60.00	177	158.00	4242	253.00	2746	353.00	6376
61.00	5376	159.00	2940	255.00	574912	354.00	8902
62.00	6836	160.00	7445	256.00	84304	355.00	1504
63.00	17144	161.00	10963	257.00	6548	356.00	213
64.00	2280	162.00	2729	258.00	33440	358.00	299
65.00	7757	163.00	823	259.00	5313	359.00	1062
66.00	403	164.00	2135	260.00	1131	360.00	54
67.00	821	165.00	7929	261.00	859	361.00	365
68.00	607	166.00	6717	262.00	146	362.00	136
69.00	557440	167.00	55720	263.00	458	363.00	547
70.00	2495	168.00	23080	264.00	814	364.00	227
72.00	537	169.00	3795	265.00	13847	365.00	42432
73.00	3190	170.00	1531	266.00	1669	366.00	5865

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D\8270TAC040.rslt\spectra

Injection Date: 22-Mar-2022 12:06:30

Spectrum: Tune Spec :Average 1143-1145(8.63-8.64) Bgrd 1139(8.61)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	48800	171.00	1754	268.00	117	367.00	580
75.00	75064	172.00	4337	270.00	1209	368.00	125
76.00	25448	173.00	5430	271.00	1400	369.00	183
77.00	502720	174.00	9936	272.00	2310	370.00	1031
78.00	33464	175.00	17752	273.00	20048	371.00	2771
79.00	32504	176.00	6794	274.00	48648	372.00	16984
80.00	25504	177.00	7906	275.00	249856	373.00	4063
81.00	35336	178.00	3352	276.00	33920	374.00	276
82.00	8546	179.00	34080	277.00	21080	377.00	598
83.00	7365	180.00	22680	278.00	3659	379.00	70
85.00	5137	181.00	10972	279.00	806	382.00	104
86.00	9953	182.00	2082	280.00	285	383.00	5227
87.00	3999	183.00	1126	281.00	141	384.00	1409
88.00	1485	184.00	2806	282.00	686	385.00	473
89.00	878	185.00	16488	283.00	3138	389.00	128
90.00	180	186.00	134592	284.00	1703	390.00	2559
91.00	7432	187.00	37096	285.00	4242	391.00	1801
92.00	8364	188.00	3446	286.00	887	392.00	897
93.00	60384	189.00	8279	287.00	124	393.00	319
94.00	3866	190.00	1408	288.00	377	395.00	92
95.00	1017	191.00	3746	289.00	1144	397.00	333
96.00	2003	192.00	10913	290.00	832	401.00	1206
98.00	44520	193.00	12027	291.00	611	402.00	7531
99.00	30432	194.00	3052	292.00	1191	403.00	11167
100.00	2800	195.00	1216	293.00	5061	404.00	3623
101.00	17944	196.00	32904	294.00	1293	405.00	623
102.00	861	198.00	963584	295.00	1570	409.00	120
103.00	5718	199.00	65352	296.00	80496	410.00	417
104.00	11939	200.00	5107	297.00	11752	415.00	468
105.00	10238	201.00	6428	298.00	1037	418.00	57
106.00	5151	202.00	217	299.00	211	420.00	401
107.00	155008	203.00	7229	300.00	60	420.00	250
108.00	20536	204.00	35816	301.00	1176	421.00	10247
110.00	280960	205.00	59368	302.00	1390	422.00	8964

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D\8270TAC040.rslt\spectra

Injection Date: 22-Mar-2022 12:06:30

Spectrum: Tune Spec :Average 1143-1145(8.63-8.64) Bgrd 1139(8.61)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	40432	206.00	232128	303.00	10264	423.00	65224
112.00	4798	207.00	30152	304.00	2178	424.00	12511
113.00	1590	208.00	7928	305.00	373	425.00	1064
114.00	215	209.00	2669	307.00	127	426.00	224
115.00	727	210.00	496	308.00	1405	427.00	136
116.00	8104	211.00	9421	309.00	745	428.00	78
117.00	136576	213.00	631	310.00	1013	430.00	104
118.00	8933	214.00	286	311.00	380	431.00	236
119.00	1152	215.00	2599	312.00	551	432.00	301
120.00	1474	216.00	5688	313.00	808	434.00	362
121.00	876	217.00	57704	314.00	4630	434.00	597
122.00	8917	218.00	8300	315.00	9676	435.00	362
123.00	13304	219.00	585	316.00	5631	436.00	796
124.00	6420	220.00	678	317.00	1177	438.00	2163
125.00	6815	221.00	51752	318.00	216	438.00	1911
127.00	493568	222.00	4876	319.00	216	439.00	3445
128.00	37832	223.00	14846	320.00	355	441.00	231744
129.00	204288	224.00	136768	321.00	2758	442.00	1390592
130.00	17320	225.00	33280	322.00	1650	443.00	269120
131.00	2765	226.00	3374	323.00	29720	444.00	24576
132.00	2023	227.00	56480	324.00	4619	445.00	1513
133.00	760	228.00	7958	325.00	558	469.00	51
134.00	5534	229.00	10723	326.00	512	512.00	57
135.00	12633	230.00	1674	327.00	5485		
136.00	6139	231.00	4889	328.00	3349		
137.00	7153	232.00	770	329.00	427		

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D

Injection Date: 22-Mar-2022 12:06:30

Instrument ID: TAC040

Lims ID: DFTPP

Client ID:

Operator ID: jcm

ALS Bottle#: 2

Worklist Smp#: 2

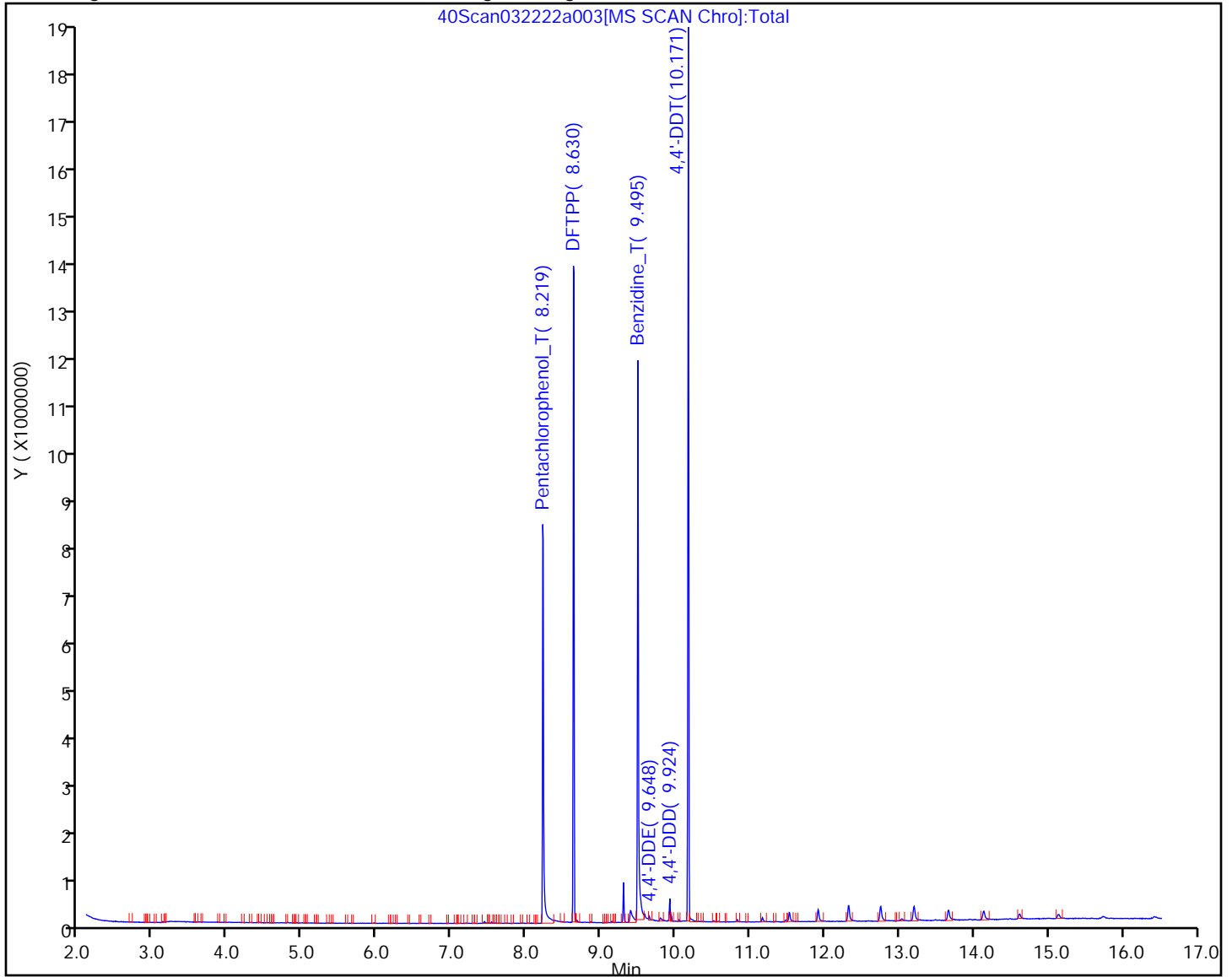
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D
Injection Date: 22-Mar-2022 12:06:30 Instrument ID: TAC040
Lims ID: DFTPP
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

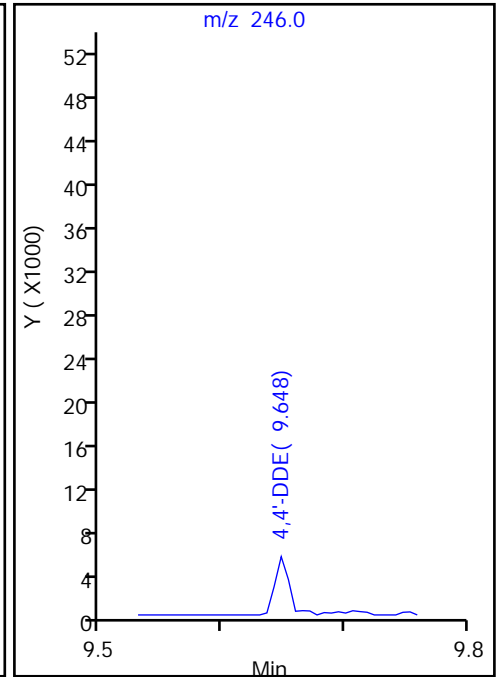
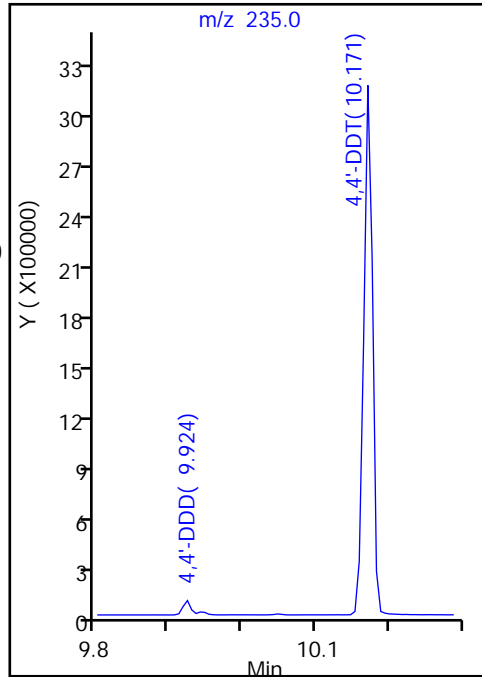
125 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

125 4,4'-DDT, Area = 2639499
123 4,4'-DDE, Area = 4169
124 4,4'-DDD, Area = 64177

%Breakdown: 2.52%, <= 20.00%
Passed



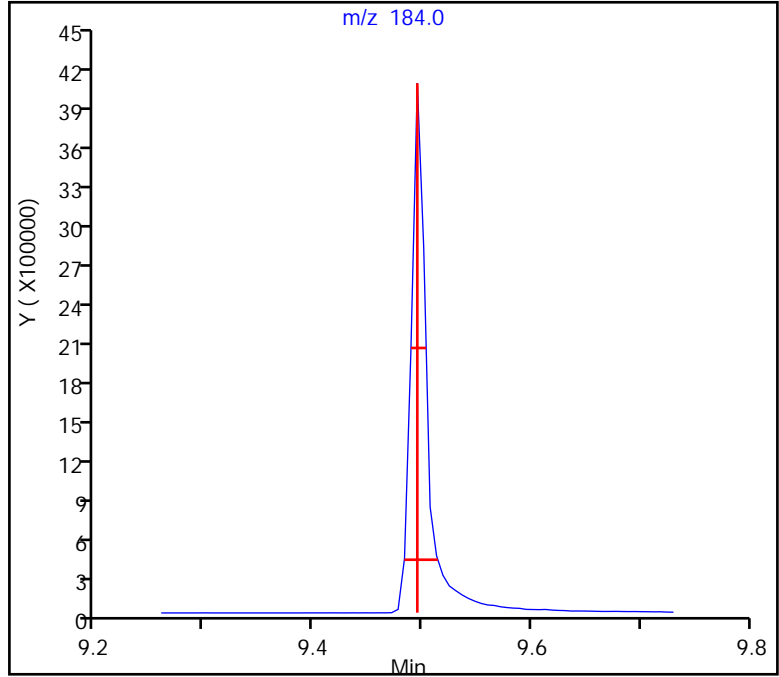
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D
Injection Date: 22-Mar-2022 12:06:30 Instrument ID: TAC040
Lims ID: DFTPP
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
122 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.019 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.58, Max. Tailing <= 2.00
Passed



Eurofins Seattle

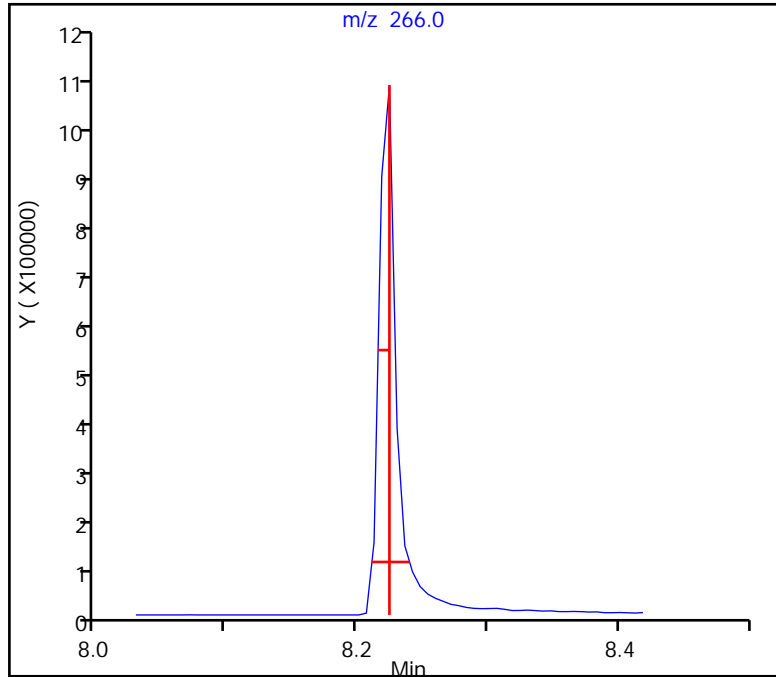
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a003.D
Injection Date: 22-Mar-2022 12:06:30 Instrument ID: TAC040
Lims ID: DFTPP
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

120 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.15, Max. Tailing <= 2.00
Passed



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x003.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 23-Mar-2022 02:54:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: DFTPP
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 23-Mar-2022 13:36:19 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1607

First Level Reviewer: limmere

Date: 23-Mar-2022 13:36:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
120 Pentachlorophenol_T	266	8.230	8.230	0.000	94	1263302	NR	NR	
121 DFTPP									
122 Benzidine_T	184	9.495	9.495	0.000	98	3941694	NR	NR	
123 4,4'-DDE	246	9.648	9.648	0.000	58	2719		NR	
124 4,4'-DDD	235	9.924	9.924	0.000	94	59045		NR	
125 4,4'-DDT	235	10.171	10.171	0.000	96	2820295	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

DFTPPx2_00044

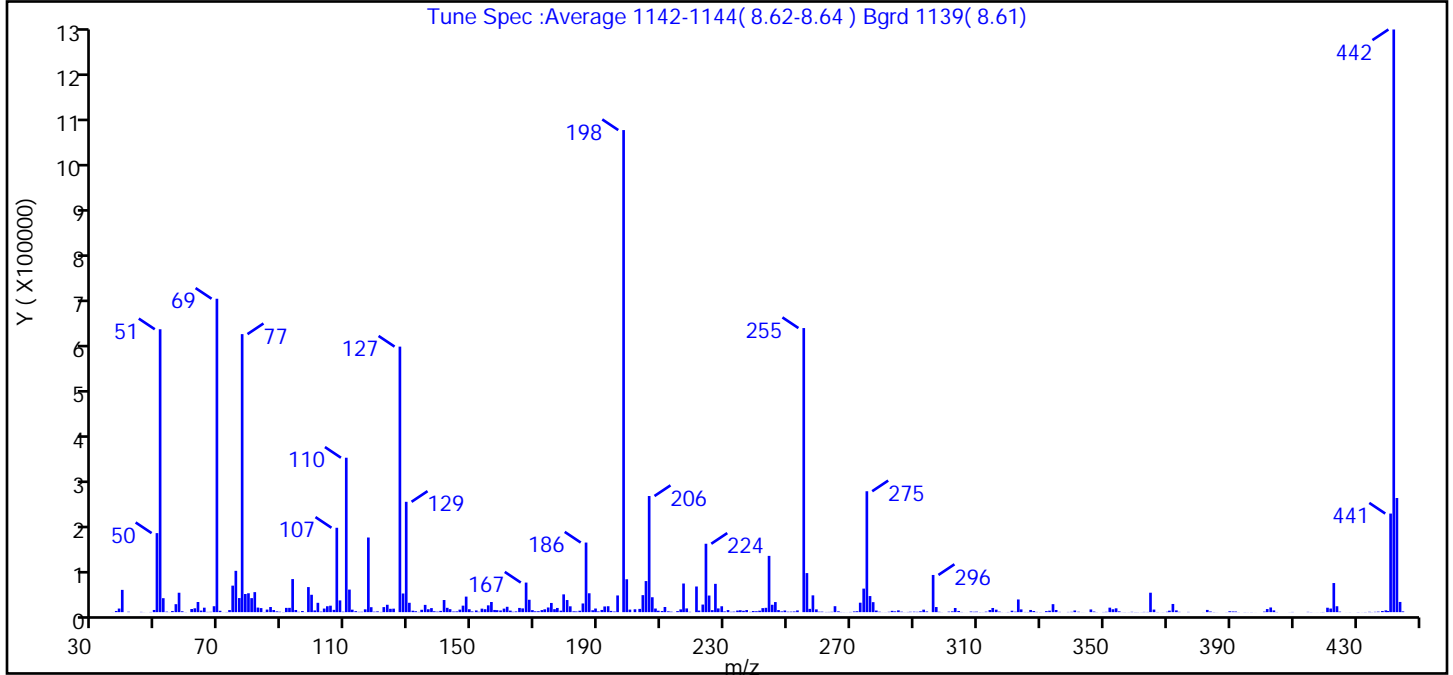
Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x003.D
 Injection Date: 23-Mar-2022 02:54:30 Instrument ID: TAC040
 Lims ID: DFTPP
 Client ID:
 Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Tune Method: DFTPP Method 525.2, BP 198

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (82.7)
51	10-80% of the base peak	58.7
68	<2% of mass 69	1.2 (1.9)
69	Present	65.0
70	<2% of mass 69	0.3 (0.4)
127	10-80% of the base peak	55.1
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.8
275	10-60% of the base peak	25.1
365	>1% of the base peak	4.0
441	Present and < mass 443	20.4 (86.4)
442	base peak, or >50% of 198	120.9
443	15-24% of mass 442	23.7 (19.6)

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x003.D\8270TAC040.rslt\spectra
 Injection Date: 23-Mar-2022 02:54:30
 Spectrum: Tune Spec :Average 1142-1144(8.62-8.64) Bgrd 1139(8.61)
 Base Peak: 442.00
 Minimum % Base Peak: 0
 Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	130	136.00	6068	233.00	1082	330.00	239
37.00	2437	137.00	8448	234.00	3325	331.00	53
38.00	7511	138.00	1873	235.00	4003	332.00	2146
39.00	46560	139.00	1021	236.00	2829	333.00	3080
41.00	863	140.00	2583	237.00	4350	334.00	16680
45.00	531	141.00	25328	238.00	572	335.00	4493
46.00	122	142.00	9030	239.00	2324	336.00	574
47.00	35	143.00	6178	240.00	1938	339.00	450
48.00	384	144.00	1291	241.00	3035	340.00	670
49.00	4541	145.00	1533	242.00	8403	341.00	3473
50.00	165184	146.00	5232	243.00	9037	342.00	833
51.00	591360	147.00	13564	244.00	117608	343.00	113
52.00	29184	148.00	32472	245.00	15411	344.00	70
53.00	1050	149.00	6067	246.00	21064	346.00	5636
54.00	166	150.00	1521	247.00	4333	347.00	1267
55.00	2347	151.00	3543	248.00	1561	348.00	236
56.00	16664	152.00	817	249.00	3418	350.00	381
57.00	40576	153.00	7302	250.00	899	351.00	667
58.00	1815	154.00	6111	251.00	1061	352.00	9353
59.00	198	155.00	14205	252.00	1399	353.00	6065
61.00	6557	156.00	21200	253.00	3562	354.00	8014
62.00	8063	157.00	4548	255.00	593856	355.00	1613
63.00	21224	158.00	4147	256.00	81640	356.00	125
64.00	3266	159.00	3502	257.00	6857	357.00	232
65.00	9332	160.00	7378	258.00	35112	358.00	167
66.00	529	161.00	11197	259.00	5818	359.00	667
67.00	695	162.00	3200	260.00	972	360.00	288
68.00	12375	163.00	757	261.00	1030	361.00	224
69.00	655168	164.00	1525	262.00	406	362.00	177
70.00	2868	165.00	8816	263.00	482	363.00	507
71.00	134	166.00	7850	264.00	720	364.00	431
72.00	376	167.00	61808	265.00	12419	365.00	40624
73.00	4286	168.00	25872	266.00	1706	366.00	5400

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x003.D\8270TAC040.rslt\spectra

Injection Date: 23-Mar-2022 02:54:30

Spectrum: Tune Spec :Average 1142-1144(8.62-8.64) Bgrd 1139(8.61)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	55400	169.00	4191	267.00	361	367.00	348
75.00	86368	170.00	1746	268.00	185	368.00	50
76.00	29416	171.00	1955	269.00	103	369.00	158
77.00	581184	172.00	4282	270.00	420	370.00	826
78.00	37896	173.00	5926	271.00	1440	371.00	3104
79.00	39464	174.00	9747	272.00	1861	372.00	17096
80.00	29288	175.00	19216	273.00	19744	373.00	3695
81.00	41840	176.00	6221	274.00	49192	374.00	630
82.00	9534	177.00	8759	275.00	252736	377.00	491
83.00	8468	178.00	3078	276.00	33608	382.00	152
84.00	383	179.00	37176	277.00	20896	383.00	4647
85.00	5368	180.00	25312	278.00	3361	384.00	1356
86.00	10741	181.00	12205	279.00	901	385.00	312
87.00	4402	182.00	1747	280.00	132	386.00	111
88.00	1627	183.00	1405	281.00	188	389.00	164
89.00	884	184.00	2974	282.00	723	390.00	1806
90.00	300	185.00	18152	283.00	2739	391.00	1383
91.00	8919	186.00	145472	284.00	1638	392.00	1265
92.00	9001	187.00	39464	285.00	3722	393.00	209
93.00	69136	188.00	3963	286.00	988	395.00	244
94.00	4509	189.00	7598	287.00	172	396.00	123
95.00	645	190.00	1541	288.00	436	397.00	233
96.00	2357	191.00	4609	289.00	814	398.00	67
97.00	132	192.00	11894	290.00	975	401.00	1158
98.00	52392	193.00	12367	291.00	705	402.00	6444
99.00	36296	194.00	2585	292.00	1750	403.00	9771
100.00	3568	195.00	1275	293.00	5202	404.00	3657
101.00	19496	196.00	34912	294.00	1425	405.00	360
102.00	1132	198.00	1007744	296.00	77744	409.00	140
103.00	7506	199.00	68736	297.00	10683	410.00	428
104.00	12333	200.00	5320	298.00	734	415.00	605
105.00	13495	202.00	6002	299.00	157	416.00	271
106.00	4780	203.00	6781	301.00	1052	417.00	59
107.00	176384	204.00	35560	302.00	1689	418.00	96

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x003.D\8270TAC040.rslt\spectra

Injection Date: 23-Mar-2022 02:54:30

Spectrum: Tune Spec :Average 1142-1144(8.62-8.64) Bgrd 1139(8.61)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	24544	205.00	64960	303.00	8681	419.00	218
109.00	942	206.00	242752	304.00	2415	420.00	350
110.00	322816	207.00	31128	305.00	392	421.00	9233
111.00	47176	208.00	7548	306.00	57	422.00	7526
112.00	5191	209.00	2949	307.00	51	423.00	60824
113.00	2049	210.00	2391	308.00	1280	424.00	12320
114.00	617	211.00	10771	309.00	740	425.00	1110
115.00	740	212.00	1701	310.00	1019	427.00	76
116.00	5847	213.00	972	311.00	282	428.00	161
117.00	156032	214.00	67	312.00	166	431.00	200
118.00	10354	215.00	2142	313.00	984	431.00	135
119.00	960	216.00	5794	314.00	4449	432.00	113
120.00	1626	217.00	59864	315.00	8714	433.00	314
121.00	460	218.00	7776	316.00	5177	434.00	710
122.00	10532	219.00	629	317.00	1106	435.00	200
123.00	15413	221.00	53616	318.00	150	436.00	673
124.00	6976	222.00	3330	319.00	92	437.00	1096
125.00	7303	223.00	15864	320.00	373	438.00	2390
127.00	555072	224.00	142976	321.00	3003	440.00	3794
128.00	39000	225.00	34720	322.00	988	440.00	2386
129.00	230656	226.00	4205	323.00	26512	441.00	206080
130.00	19576	227.00	59168	324.00	5733	442.00	1218048
131.00	3014	228.00	7771	325.00	408	443.00	238592
132.00	1913	229.00	12301	326.00	349	444.00	21312
133.00	464	230.00	1467	327.00	4561	445.00	1579
134.00	4947	231.00	4333	328.00	2267		
135.00	15174	232.00	689	329.00	489		

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x003.D

Injection Date: 23-Mar-2022 02:54:30

Instrument ID: TAC040

Lims ID: DFTPP

Client ID:

Operator ID: jcm

ALS Bottle#: 2

Worklist Smp#: 2

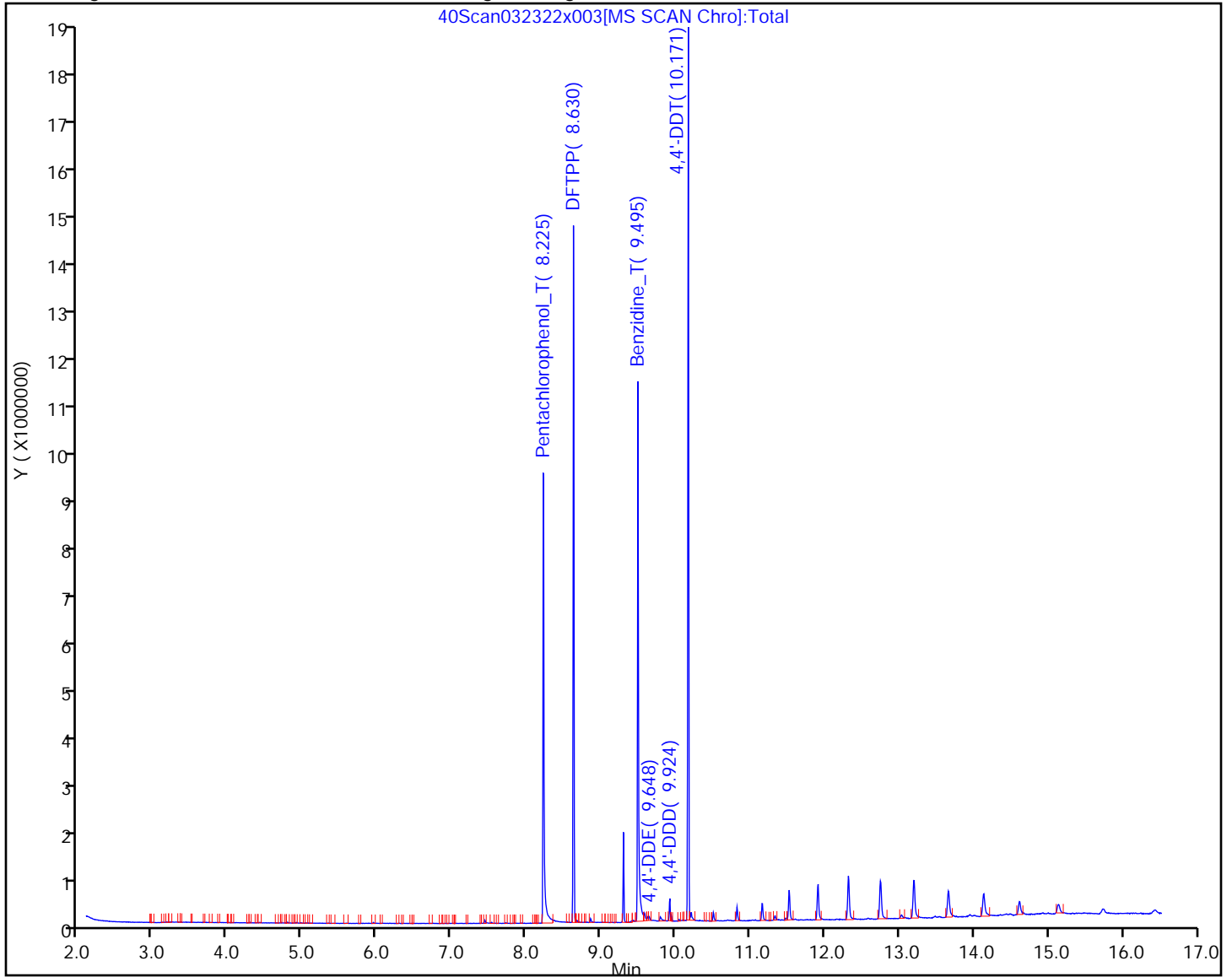
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x003.D
Injection Date: 23-Mar-2022 02:54:30 Instrument ID: TAC040
Lims ID: DFTPP
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

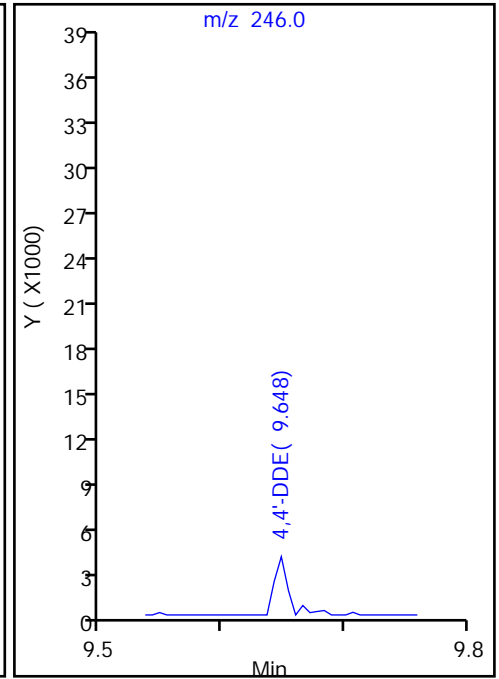
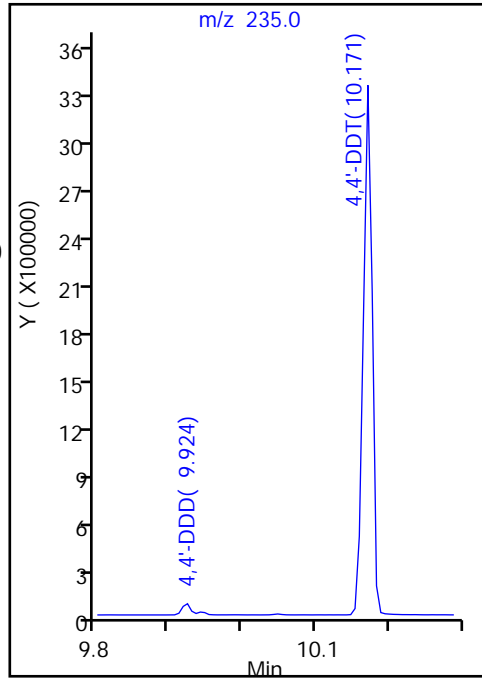
125 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

125 4,4'-DDT, Area = 2820295
123 4,4'-DDE, Area = 2719
124 4,4'-DDD, Area = 59045

%Breakdown: 2.14%, <= 20.00%
Passed



Eurofins Seattle

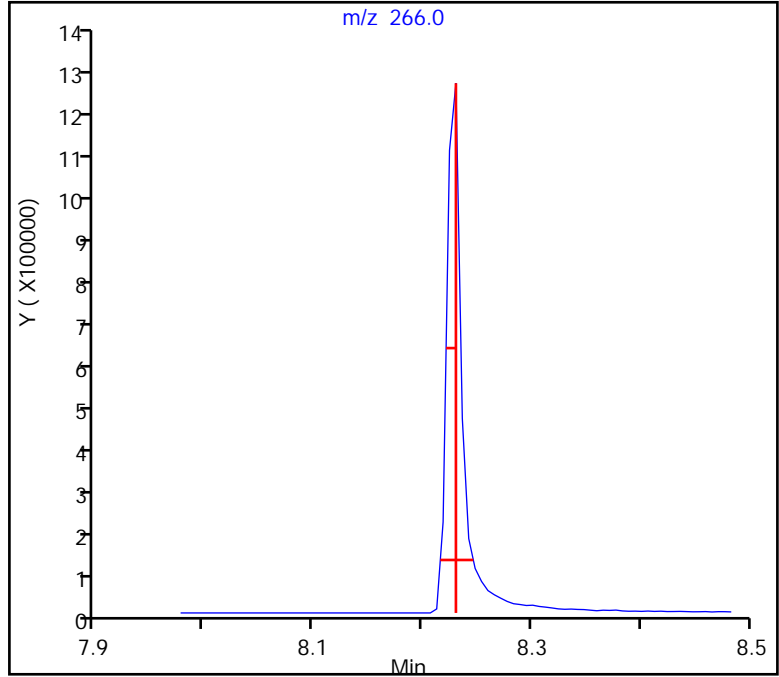
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Injection Date: 23-Mar-2022 02:54:30 Instrument ID: TAC040
Lims ID: DFTPP
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

120 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.14, Max. Tailing <= 2.00
Passed



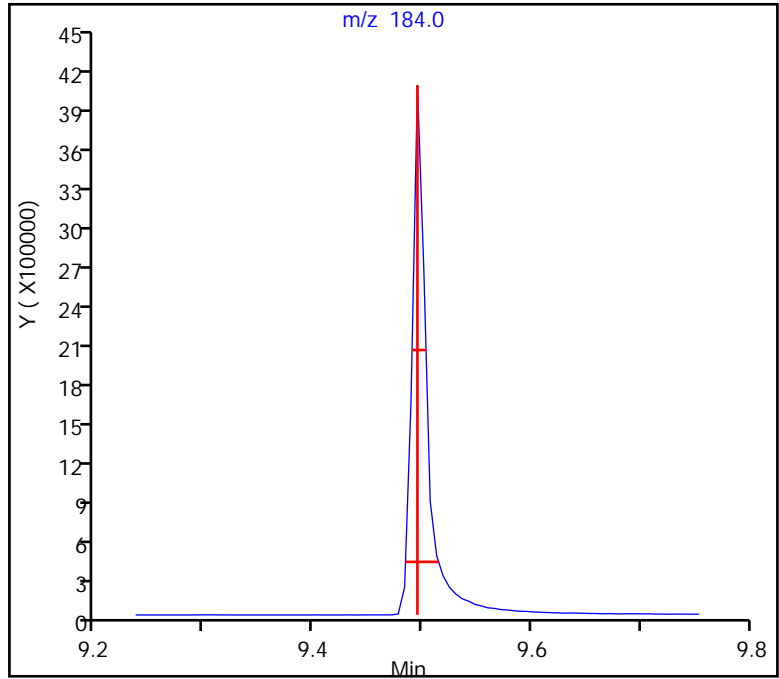
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x003.D
Injection Date: 23-Mar-2022 02:54:30 Instrument ID: TAC040
Lims ID: DFTPP
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
122 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.82, Max. Tailing <= 2.00
Passed



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a006.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 23-Mar-2022 13:45:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: DFTPP
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 24-Mar-2022 16:26:43 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: thaneeratw Date: 24-Mar-2022 16:26:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
120 Pentachlorophenol_T	266	8.230	8.230	0.000	94	1750780	NR	NR	
121 DFTPP									
122 Benzidine_T	184	9.501	9.501	0.000	99	7128343	NR	NR	
123 4,4'-DDE	246	9.648	9.648	0.000	77	4556		NR	
124 4,4'-DDD	235	9.924	9.924	0.000	94	60727		NR	
125 4,4'-DDT	235	10.177	10.177	0.000	97	3826531	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

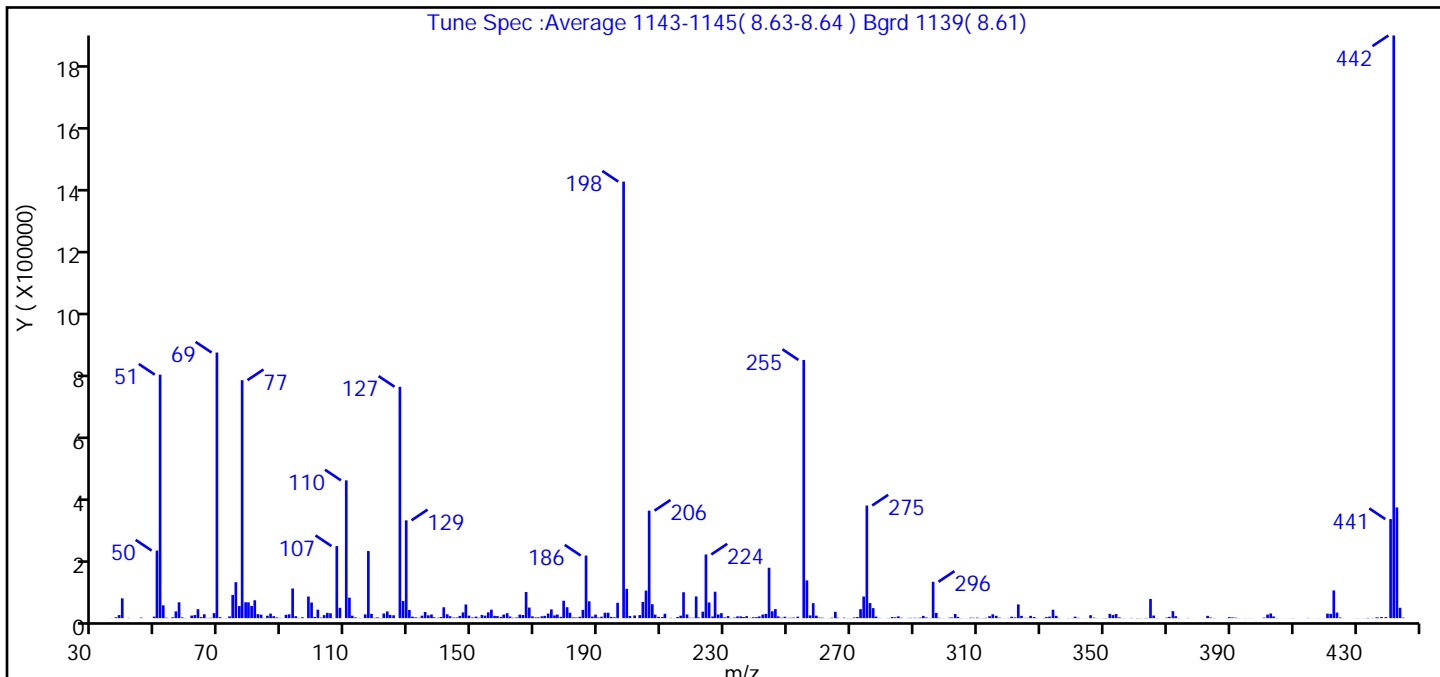
Reagents:

DFTPPx2_00044 Amount Added: 1.00 Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a006.D
 Injection Date: 23-Mar-2022 13:45:30 Instrument ID: TAC040
 Lims ID: DFTPP
 Client ID:
 Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Tune Method: DFTPP Method 525.2, BP 198

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (74.9)
51	10-80% of the base peak	55.8
68	<2% of mass 69	1.2 (1.9)
69	Present	60.8
70	<2% of mass 69	0.2 (0.4)
127	10-80% of the base peak	53.0
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.7
275	10-60% of the base peak	25.8
365	>1% of the base peak	4.4
441	Present and < mass 443	22.7 (89.5)
442	base peak, or >50% of 198	133.5
443	15-24% of mass 442	25.4 (19.0)

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a006.D\8270TAC040.rslt\spectra
 Injection Date: 23-Mar-2022 13:45:30
 Spectrum: Tune Spec :Average 1143-1145(8.63-8.64) Bgrd 1139(8.61)
 Base Peak: 442.00
 Minimum % Base Peak: 0
 Number of Points: 375

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	295	140.00	3590	237.00	6473	334.00	27088
37.00	2855	141.00	34840	238.00	1024	335.00	7367
38.00	9858	142.00	12358	239.00	2878	336.00	885
39.00	63464	143.00	6294	240.00	3108	337.00	174
41.00	837	144.00	1783	241.00	5519	339.00	591
45.00	1770	145.00	2027	242.00	11417	340.00	564
47.00	64	146.00	7222	243.00	13587	341.00	4801
49.00	4761	147.00	18368	244.00	161536	342.00	1211
50.00	216704	148.00	43840	245.00	22016	343.00	157
51.00	780800	149.00	8087	246.00	29032	344.00	269
52.00	41112	150.00	2280	247.00	5691	345.00	101
53.00	1427	151.00	4924	248.00	1472	346.00	9455
54.00	195	152.00	1496	249.00	4658	347.00	1718
55.00	2815	153.00	10121	250.00	1007	348.00	294
56.00	21768	154.00	7893	251.00	1198	349.00	126
57.00	50880	155.00	18664	252.00	1882	350.00	507
58.00	2489	156.00	27224	253.00	4714	351.00	631
59.00	666	157.00	7283	255.00	827904	352.00	13837
61.00	8122	158.00	6612	256.00	121048	353.00	9907
62.00	9886	159.00	3990	257.00	8912	354.00	13237
63.00	28720	160.00	11467	258.00	47976	355.00	2635
64.00	3421	161.00	15910	259.00	7924	356.00	346
65.00	12440	162.00	5228	260.00	1799	357.00	322
66.00	772	163.00	1229	261.00	1419	358.00	154
67.00	1216	164.00	2189	262.00	270	359.00	870
68.00	16101	165.00	11402	263.00	471	361.00	377
69.00	851648	166.00	9985	264.00	1460	361.00	431
70.00	3106	167.00	83776	265.00	20320	362.00	511
71.00	124	168.00	33912	266.00	1500	363.00	839
72.00	494	169.00	5813	268.00	1574	364.00	381
73.00	5743	170.00	2209	269.00	441	365.00	61584
74.00	74480	171.00	2571	270.00	571	366.00	8409
75.00	115384	172.00	5896	271.00	2176	367.00	664

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a006.D\8270TAC040.rslt\spectra

Injection Date: 23-Mar-2022 13:45:30

Spectrum: Tune Spec :Average 1143-1145(8.63-8.64) Bgrd 1139(8.61)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 375

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	38776	173.00	7358	272.00	3429	368.00	154
77.00	763072	174.00	14669	273.00	28800	369.00	70
78.00	50912	175.00	28040	274.00	69312	370.00	1606
79.00	50704	176.00	8879	275.00	361216	371.00	4155
80.00	39024	177.00	11515	276.00	48400	372.00	22384
81.00	57296	178.00	4117	277.00	32136	373.00	6284
82.00	12738	179.00	55800	278.00	4980	374.00	635
83.00	11209	180.00	35064	279.00	973	377.00	664
84.00	673	181.00	17288	281.00	228	378.00	143
85.00	7685	182.00	2474	282.00	713	382.00	83
86.00	14540	183.00	2109	283.00	3673	383.00	7345
87.00	6264	184.00	4353	284.00	2675	384.00	1962
88.00	2335	185.00	26568	285.00	5838	385.00	580
89.00	967	186.00	200704	286.00	1325	389.00	288
90.00	182	187.00	53952	287.00	125	390.00	3338
91.00	10689	188.00	5027	288.00	420	391.00	2311
92.00	12244	189.00	11344	289.00	1076	392.00	1557
93.00	95152	190.00	1927	290.00	1133	393.00	414
94.00	6232	191.00	4696	291.00	865	395.00	328
95.00	950	192.00	17336	292.00	1740	396.00	103
96.00	2884	193.00	17424	293.00	7240	397.00	336
98.00	69296	194.00	3871	294.00	2158	400.00	74
99.00	50128	195.00	2681	295.00	655	401.00	1721
100.00	3973	196.00	49248	296.00	116504	402.00	11293
101.00	27120	198.00	1399808	297.00	16784	403.00	14941
102.00	1874	199.00	93912	298.00	1395	404.00	5470
103.00	9690	200.00	6955	299.00	330	405.00	739
104.00	16872	201.00	8549	300.00	138	406.00	135
105.00	15589	203.00	9711	301.00	1364	407.00	106
106.00	474	204.00	52144	302.00	1986	408.00	111
107.00	231104	205.00	88336	303.00	13199	409.00	154
108.00	33128	206.00	344704	304.00	3806	410.00	591
110.00	441856	207.00	44736	305.00	541	415.00	636
111.00	65704	208.00	11198	306.00	124	416.00	147

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a006.D\8270TAC040.rslt\spectra

Injection Date: 23-Mar-2022 13:45:30

Spectrum: Tune Spec :Average 1143-1145(8.63-8.64) Bgrd 1139(8.61)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 375

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	7903	209.00	4059	307.00	299	417.00	125
113.00	2442	210.00	3526	308.00	1578	418.00	213
114.00	863	211.00	14224	309.00	1138	419.00	168
115.00	416	213.00	995	310.00	1714	420.00	162
116.00	12103	214.00	447	311.00	449	421.00	14573
117.00	215104	215.00	3706	312.00	470	422.00	13755
118.00	13792	216.00	7809	313.00	1214	423.00	88872
119.00	1251	217.00	83120	314.00	6295	424.00	17848
120.00	2562	218.00	11908	315.00	12292	425.00	2066
121.00	605	219.00	1278	316.00	7537	426.00	275
122.00	14926	220.00	1102	317.00	1623	429.00	119
123.00	21472	221.00	69544	318.00	247	430.00	334
124.00	10289	222.00	2217	319.00	272	431.00	137
125.00	9207	223.00	20808	320.00	768	433.00	375
127.00	741888	224.00	204096	321.00	4553	434.00	618
128.00	55104	225.00	50256	322.00	2394	434.00	705
129.00	313664	226.00	5235	323.00	43992	435.00	707
130.00	26160	227.00	84752	324.00	7373	436.00	1843
131.00	4697	228.00	11778	325.00	908	437.00	1989
132.00	2602	229.00	15983	326.00	904	438.00	3683
133.00	1138	230.00	2607	327.00	7331	440.00	3519
134.00	7894	231.00	6526	328.00	3747	441.00	317632
135.00	19920	232.00	694	329.00	656	442.00	1868288
136.00	8988	233.00	1783	330.00	179	443.00	355008
137.00	11685	234.00	5604	331.00	411	444.00	33232
138.00	2876	235.00	5658	332.00	3324	445.00	1747
139.00	1390	236.00	3642	333.00	4946		

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a006.D

Injection Date: 23-Mar-2022 13:45:30

Instrument ID: TAC040

Lims ID: DFTPP

Client ID:

Operator ID: jcm

ALS Bottle#: 2

Worklist Smp#: 2

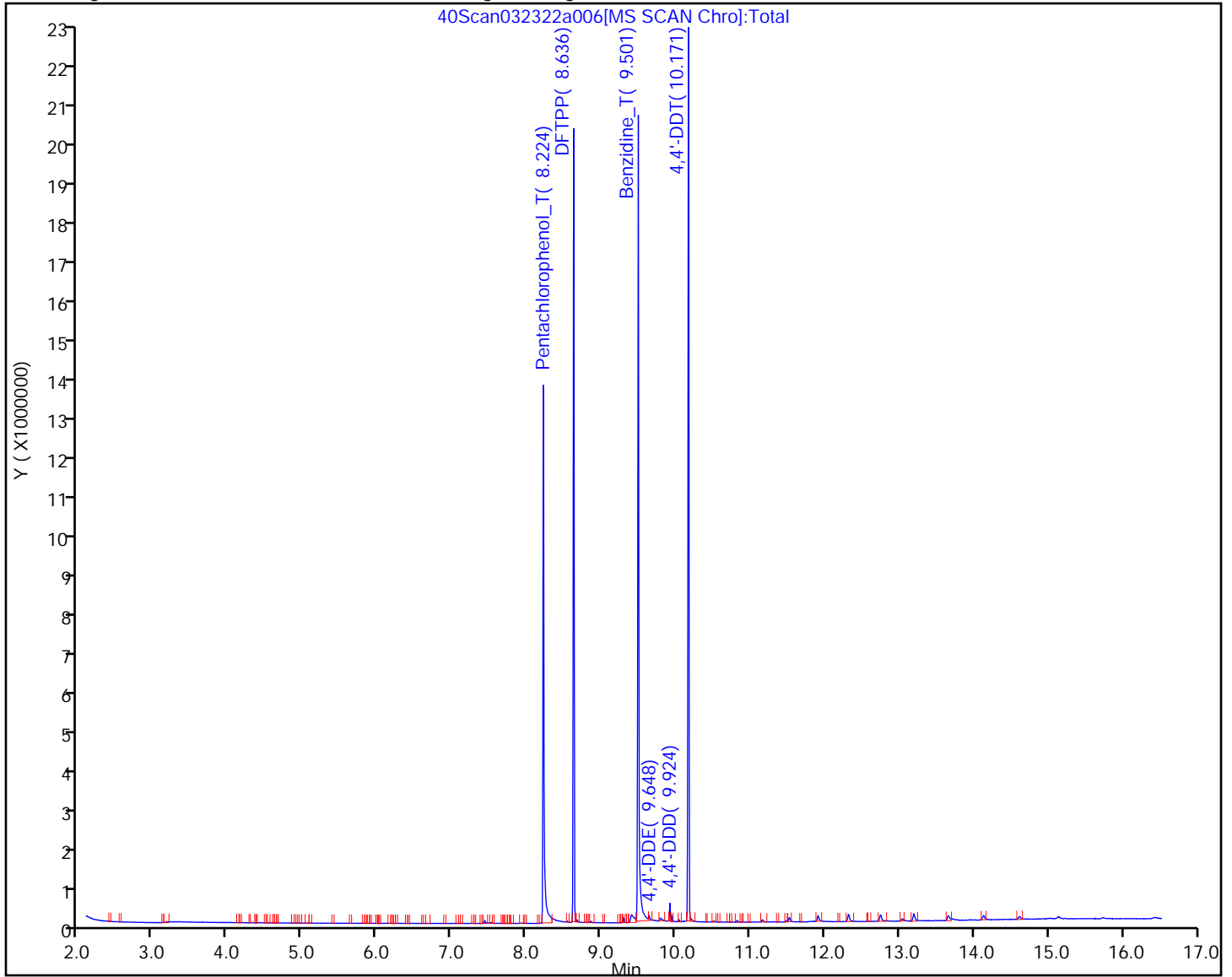
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a006.D
Injection Date: 23-Mar-2022 13:45:30 Instrument ID: TAC040
Lims ID: DFTPP
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

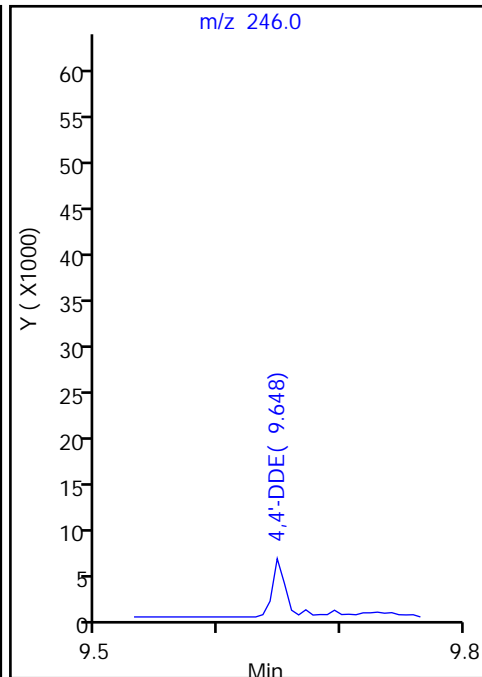
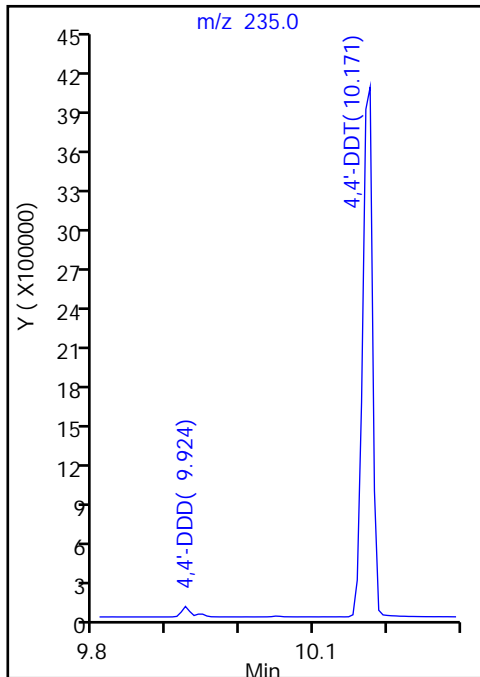
125 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

125 4,4'-DDT, Area = 3826531
123 4,4'-DDE, Area = 4556
124 4,4'-DDD, Area = 60727

%Breakdown: 1.68%, <= 20.00%
Passed



Eurofins Seattle

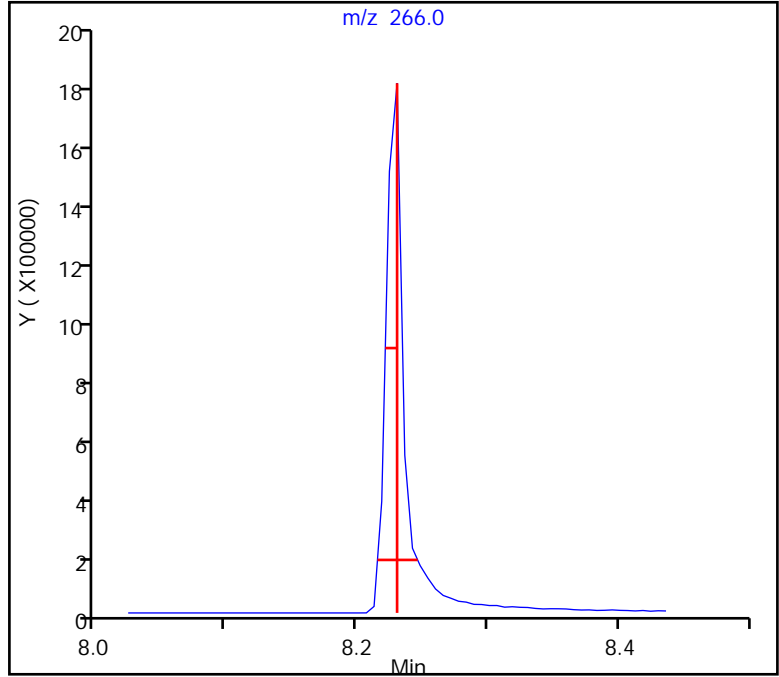
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a006.D
Injection Date: 23-Mar-2022 13:45:30 Instrument ID: TAC040
Lims ID: DFTPP
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0

120 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.07, Max. Tailing <= 2.00
Passed



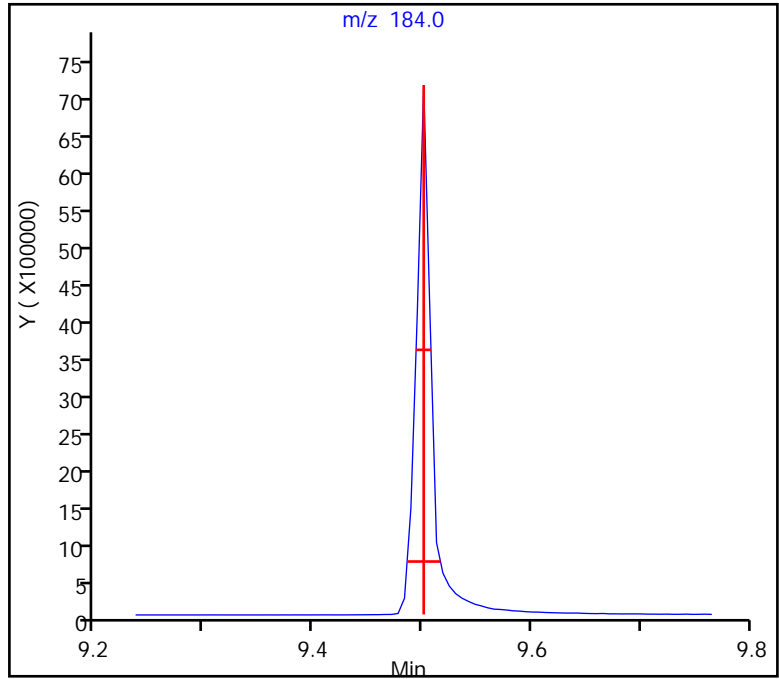
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81898.b\40Scan032322a006.D
Injection Date: 23-Mar-2022 13:45:30 Instrument ID: TAC040
Lims ID: DFTPP
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
122 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-384314/1-A
 Matrix: Water Lab File ID: 40Scan032222a017.D
 Analysis Method: 8270E Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/18/2022 10:55
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/22/2022 18:12
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384624 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U	0.40	0.30	0.090
95-50-1	1,2-Dichlorobenzene	0.15	U	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.090	U	0.40	0.090	0.040
106-46-7	1,4-Dichlorobenzene	0.090	U	0.40	0.090	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U M	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.070
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U	1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	0.60	U	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.60	0.15	0.050
100-02-7	4-Nitrophenol	6.0	U	10	6.0	1.7
103-33-3	Azobenzene	0.15	U	2.0	0.15	0.060
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.090	U M	0.10	0.090	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.30	U	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.090	U	0.60	0.090	0.040
87-68-3	Hexachlorobutadiene	0.15	U	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U	1.0	0.15	0.050

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-384314/1-A
 Matrix: Water Lab File ID: 40Scan032222a017.D
 Analysis Method: 8270E Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/18/2022 10:55
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/22/2022 18:12
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384624 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U M	0.60	0.30	0.10
98-95-3	Nitrobenzene	0.090	U	1.0	0.090	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U M	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.090	U	0.40	0.090	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.070
95-48-7	o-Cresol	0.15	U M	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U	10	1.0	0.51
108-95-2	Phenol	0.60	U M	1.0	0.60	0.36
129-00-0	Pyrene	0.090	U	1.0	0.090	0.040
110-86-1	Pyridine	3.2	U	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	68		43-140
321-60-8	2-Fluorobiphenyl	78		44-119
367-12-4	2-Fluorophenol (Surr)	57		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	88		44-120
4165-62-2	Phenol-d5 (Surr)	39		10-120
1718-51-0	Terphenyl-d14	107		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a017.D
 Lims ID: MB 580-384314/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 22-Mar-2022 18:12:30 ALS Bottle#: 15 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: MB 580-384314/1-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 22-Mar-2022 19:55:53 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1665

First Level Reviewer: mohammedj

Date: 22-Mar-2022 19:52:57

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	91	16323	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	62869	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	92	28234	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	97	51676	100.0	100.0	
* 5 Chrysene-d12	240	10.577	10.577	0.000	95	44234	100.0	100.0	
* 6 Perylene-d12	264	12.089	12.089	0.000	95	52456	100.0	100.0	
\$ 7 2-Fluorophenol	112	3.638	3.633	0.005	94	123530	1000.0	570.4	
\$ 8 Phenol-d5	99	4.419	4.413	0.006	0	101323	1000.0	387.5	
\$ 9 Nitrobenzene-d5	82	5.136	5.136	0.000	94	224999	1000.0	882.1	
\$ 10 2-Fluorobiphenyl	172	6.613	6.618	0.000	99	291822	1000.0	777.5	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	93	60555	1000.0	675.5	
\$ 12 Terphenyl-d14	244	9.689	9.695	-0.006	96	437297	1000.0	1068.7	
26 Cyclohexanone	55	4.572	4.542	0.030	36	7243		NC	
21 n-Decane	57	4.572	4.572	0.000	94	36283		117.9	
29 Acetophenone	105	5.019	5.019	0.000	79	5110		17.0	
46 2-Methylnaphthalene	142	6.307	6.307	0.000	1	807		2.04	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	16	504		1.31	
66 Diethyl phthalate	149	7.530	7.543	-0.006	82	9472		25.5	
78 n-Octadecane	43	8.313	8.313	0.000	49	9524		33.5	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	68	21703		30.9	
88 Nonylphenol	135	9.730	9.736	-0.006	0	159		NC	
87 Butyl benzyl phthalate	149	10.107	10.101	0.000	56	6072		22.8	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.624	0.000	91	28841		78.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

MeCl2_CT_00216

Amount Added: 1.00

Units: mL

Run Reagent

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a017.D

Injection Date: 22-Mar-2022 18:12:30

Instrument ID: TAC040

Lims ID: MB 580-384314/1-A

Client ID:

Operator ID: jcm

ALS Bottle#: 15

Worklist Smp#: 16

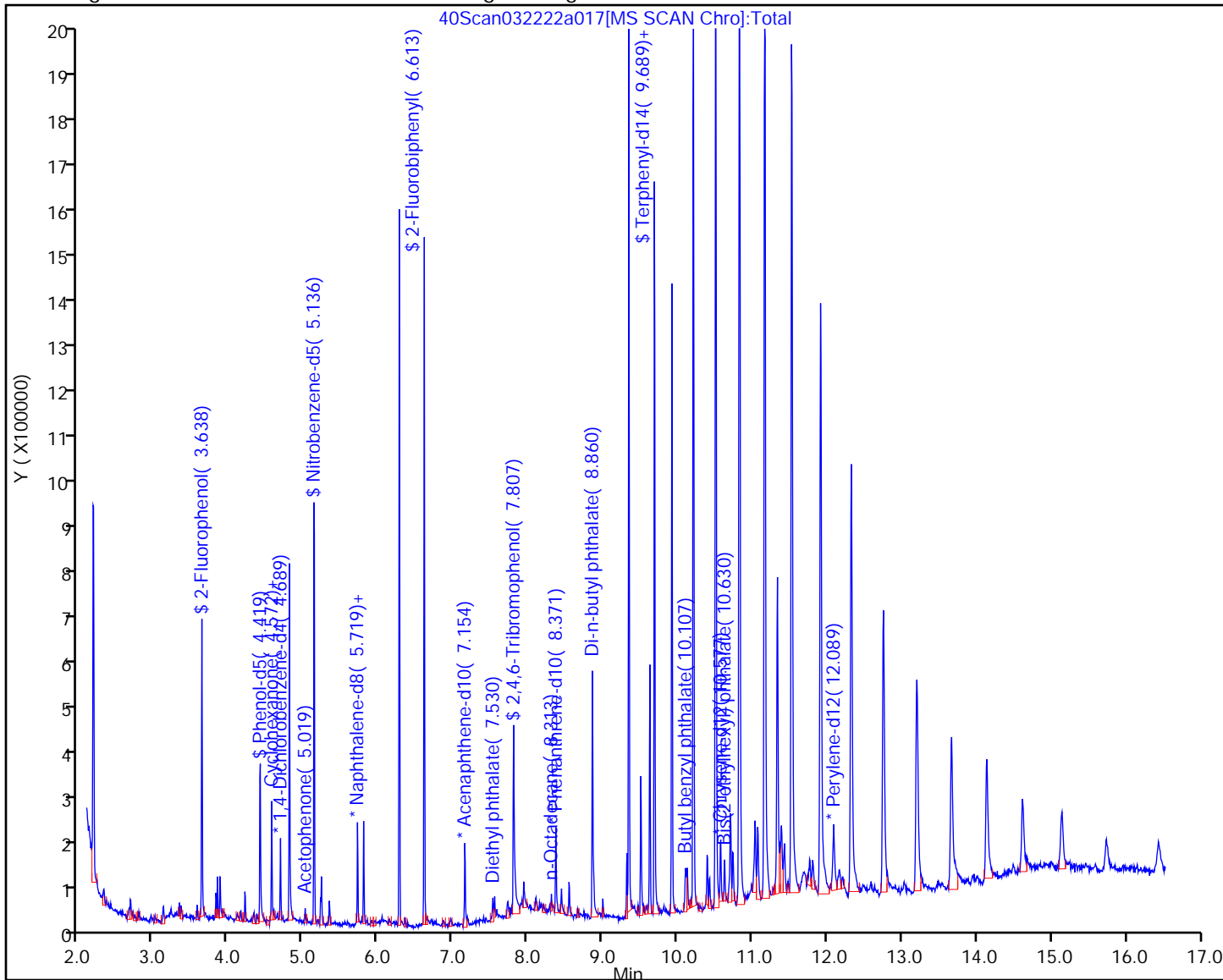
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a017.D
 Lims ID: MB 580-384314/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 22-Mar-2022 18:12:30 ALS Bottle#: 15 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: MB 580-384314/1-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 22-Mar-2022 19:55:53 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1665

First Level Reviewer: mohammedj

Date: 22-Mar-2022 19:52:57

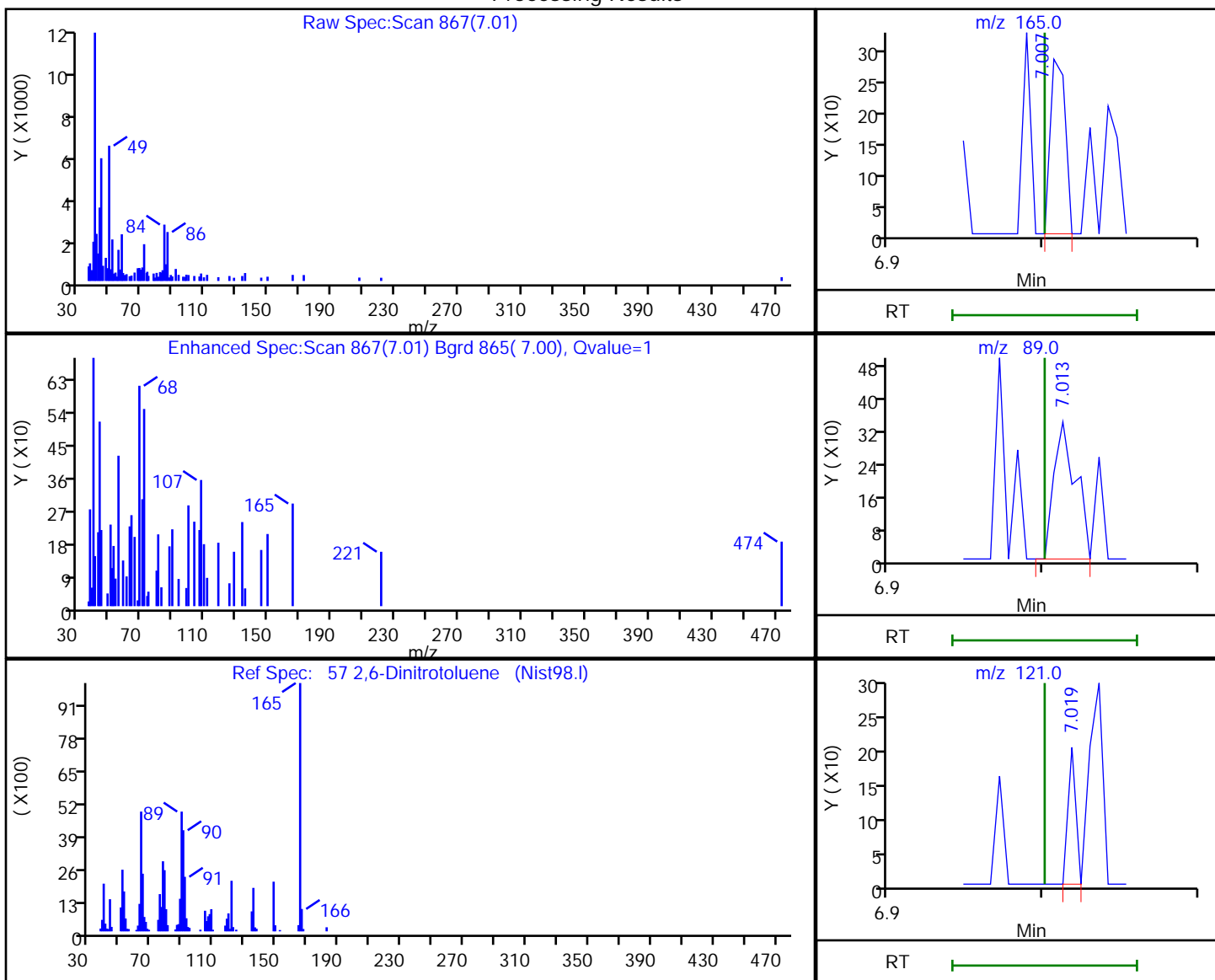
Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-Fluorophenol	1000.0	570.4	57.04
\$ 8 Phenol-d5	1000.0	387.5	38.75
\$ 9 Nitrobenzene-d5	1000.0	882.1	88.21
\$ 10 2-Fluorobiphenyl	1000.0	777.5	77.75
\$ 11 2,4,6-Tribromophenol	1000.0	675.5	67.55
\$ 12 Terphenyl-d14	1000.0	1068.7	106.87

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a017.D
 Injection Date: 22-Mar-2022 18:12:30 Instrument ID: TAC040
 Lims ID: MB 580-384314/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

57 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
7.01	165.00	191	16.781086
7.01	89.00	331	
7.02	121.00	71	

Reviewer: mohammedj, 22-Mar-2022 19:52:38

Audit Action: Marked Compound Undetected

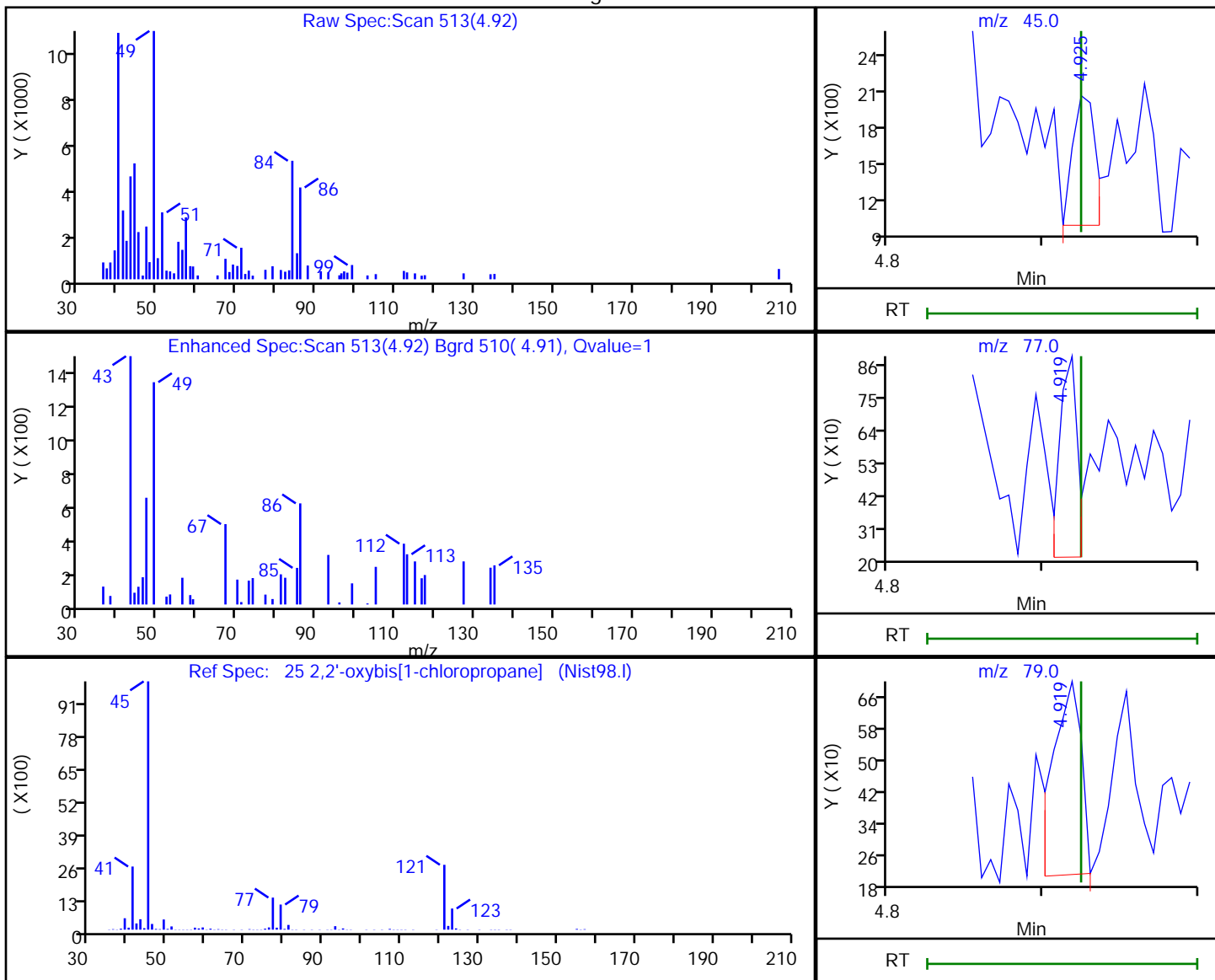
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a017.D
 Injection Date: 22-Mar-2022 18:12:30 Instrument ID: TAC040
 Lims ID: MB 580-384314/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

25 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.92	45.00	1011	2.513972
4.92	77.00	555	
4.92	79.00	624	

Reviewer: mohammedj, 22-Mar-2022 19:52:26

Audit Action: Marked Compound Undetected

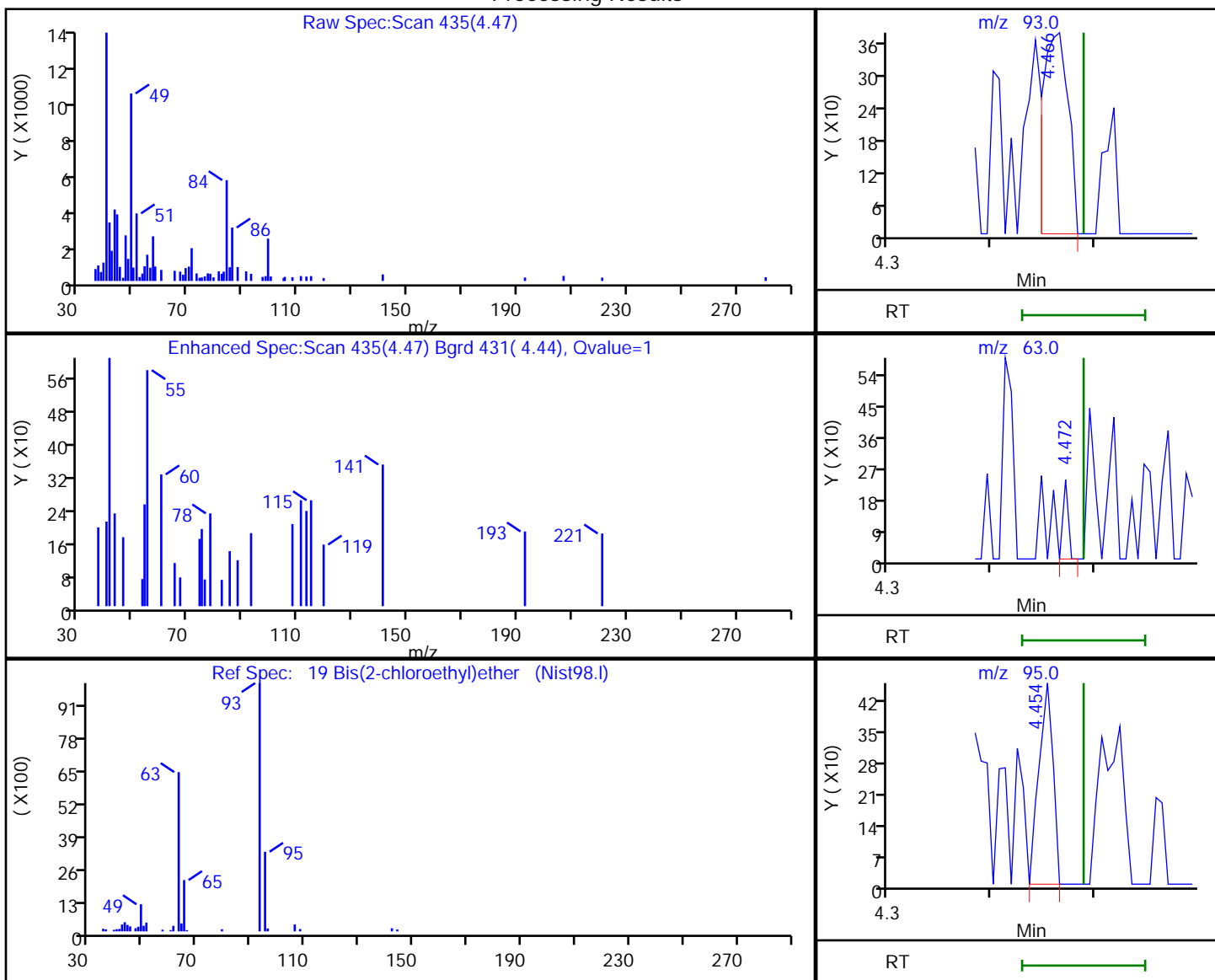
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a017.D
 Injection Date: 22-Mar-2022 18:12:30 Instrument ID: TAC040
 Lims ID: MB 580-384314/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

19 Bis(2-chloroethyl)ether, CAS: 111-44-4

Processing Results



RT	Mass	Response	Amount
4.47	93.00	646	3.026593
4.47	63.00	82	
4.45	95.00	430	

Reviewer: mohammedj, 22-Mar-2022 19:52:23

Audit Action: Marked Compound Undetected

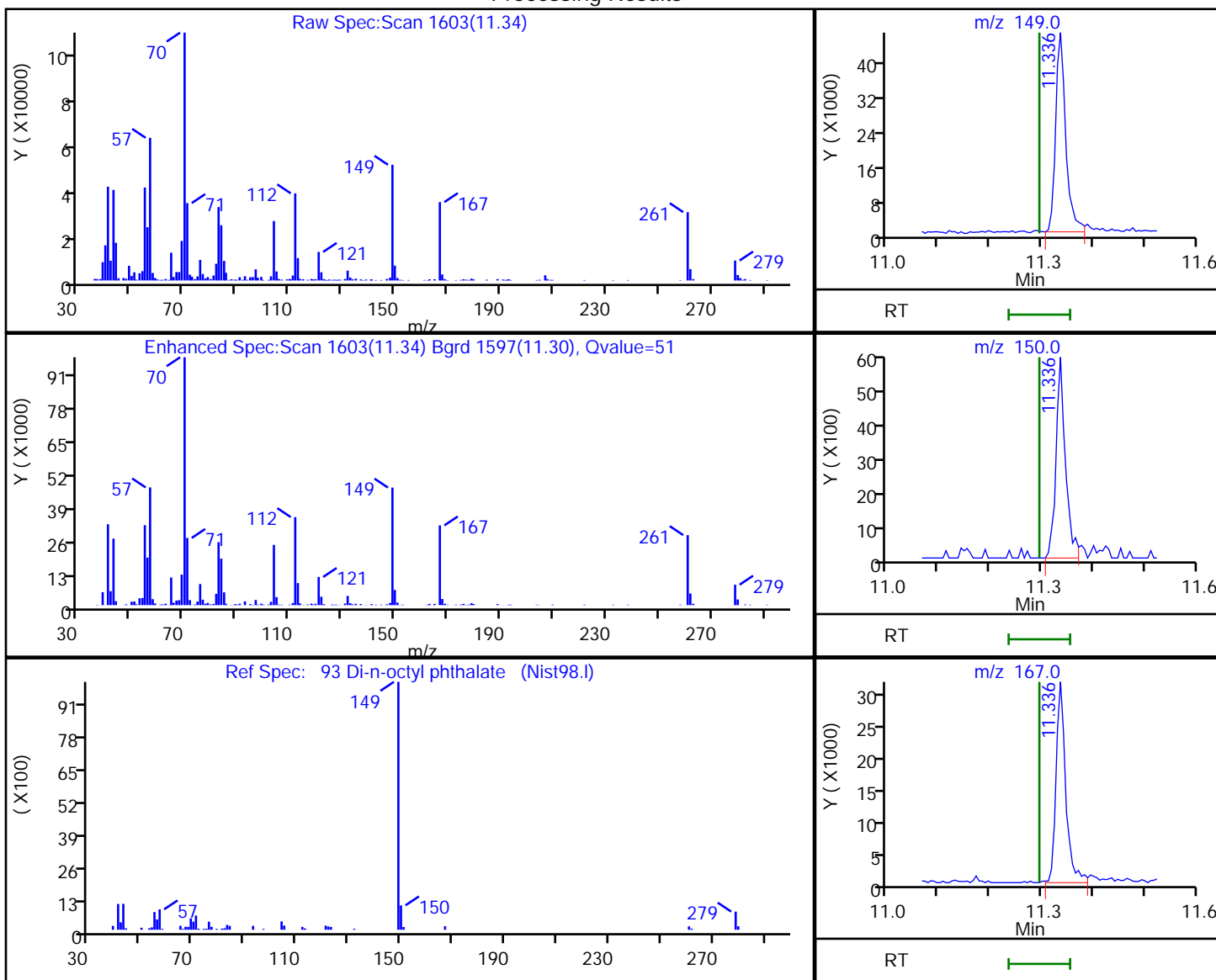
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a017.D
 Injection Date: 22-Mar-2022 18:12:30 Instrument ID: TAC040
 Lims ID: MB 580-384314/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

93 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.34	149.00	63817	116.3938
11.34	150.00	7682	
11.34	167.00	41743	

Reviewer: mohammedj, 22-Mar-2022 19:52:54

Audit Action: Marked Compound Undetected

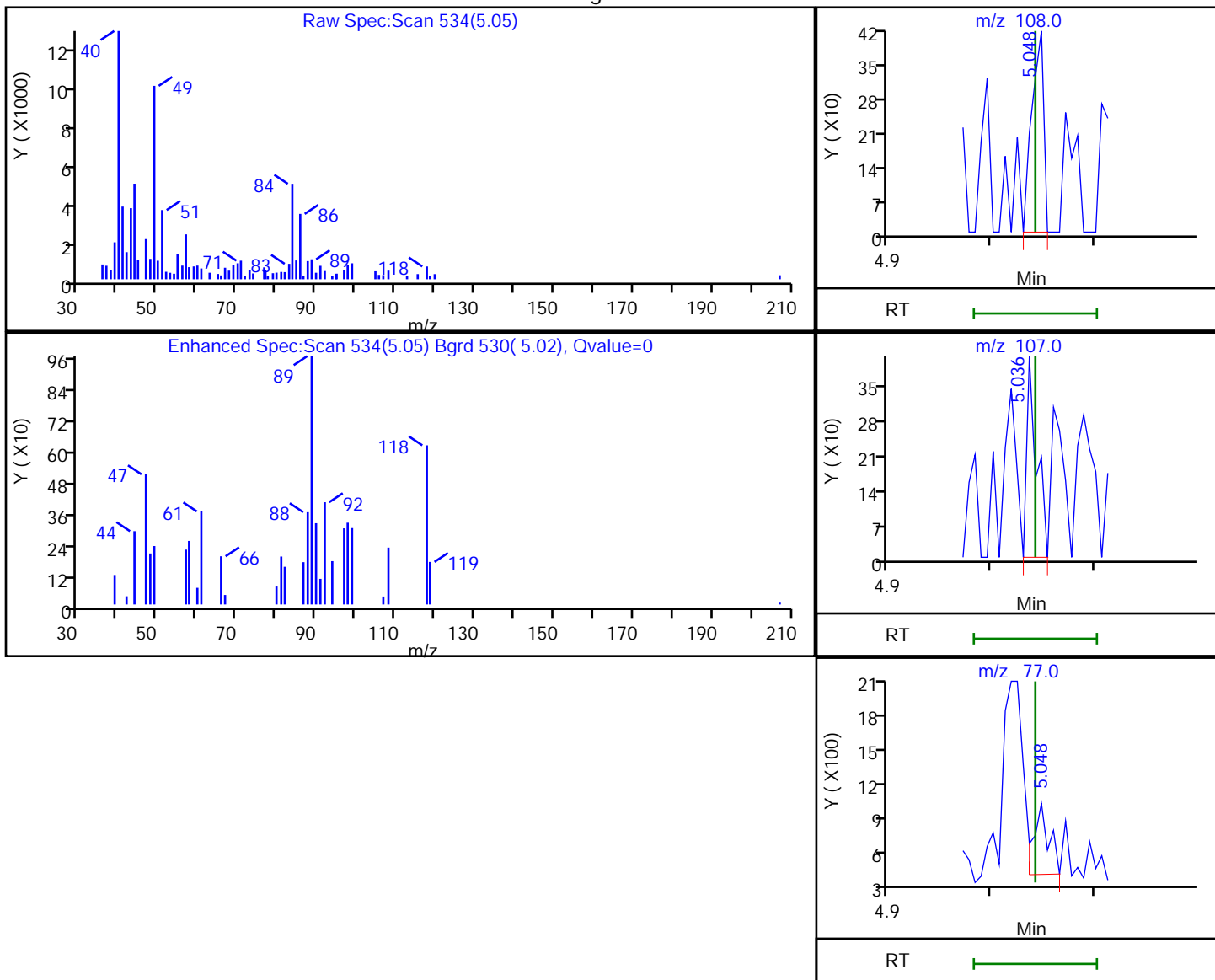
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a017.D
 Injection Date: 22-Mar-2022 18:12:30 Instrument ID: TAC040
 Lims ID: MB 580-384314/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

32 3 & 4 Methylphenol, CAS: 15831-10-4

Processing Results



RT	Mass	Response	Amount
5.05	108.00	334	1.637747
5.04	107.00	271	
5.05	77.00	628	

Reviewer: mohammedj, 22-Mar-2022 19:52:33

Audit Action: Marked Compound Undetected

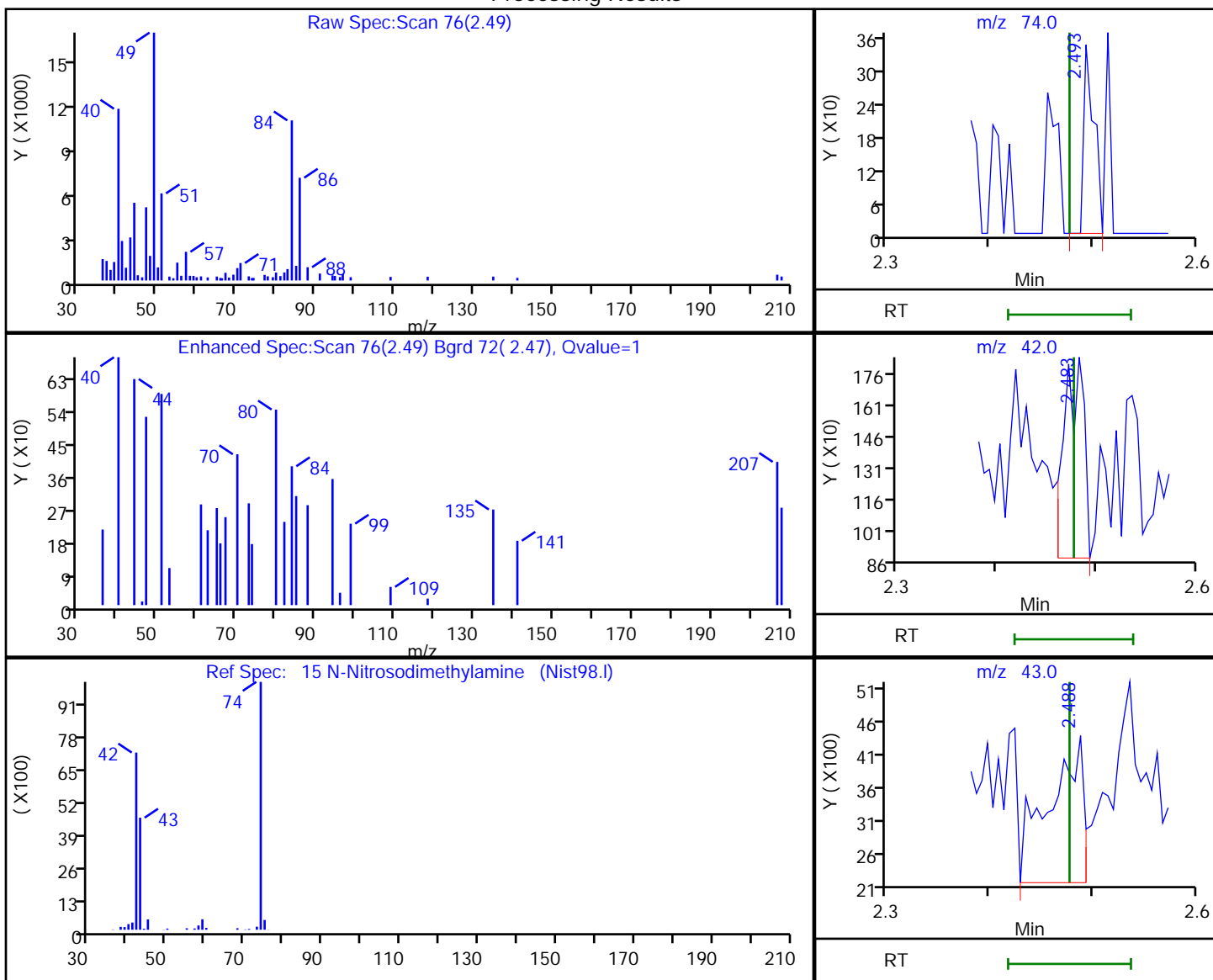
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a017.D
 Injection Date: 22-Mar-2022 18:12:30 Instrument ID: TAC040
 Lims ID: MB 580-384314/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

15 N-Nitrosodimethylamine, CAS: 62-75-9

Processing Results



RT	Mass	Response	Amount
2.49	74.00	237	1.615535
2.48	42.00	1343	
2.49	43.00	5016	

Reviewer: mohammedj, 22-Mar-2022 19:52:20

Audit Action: Marked Compound Undetected

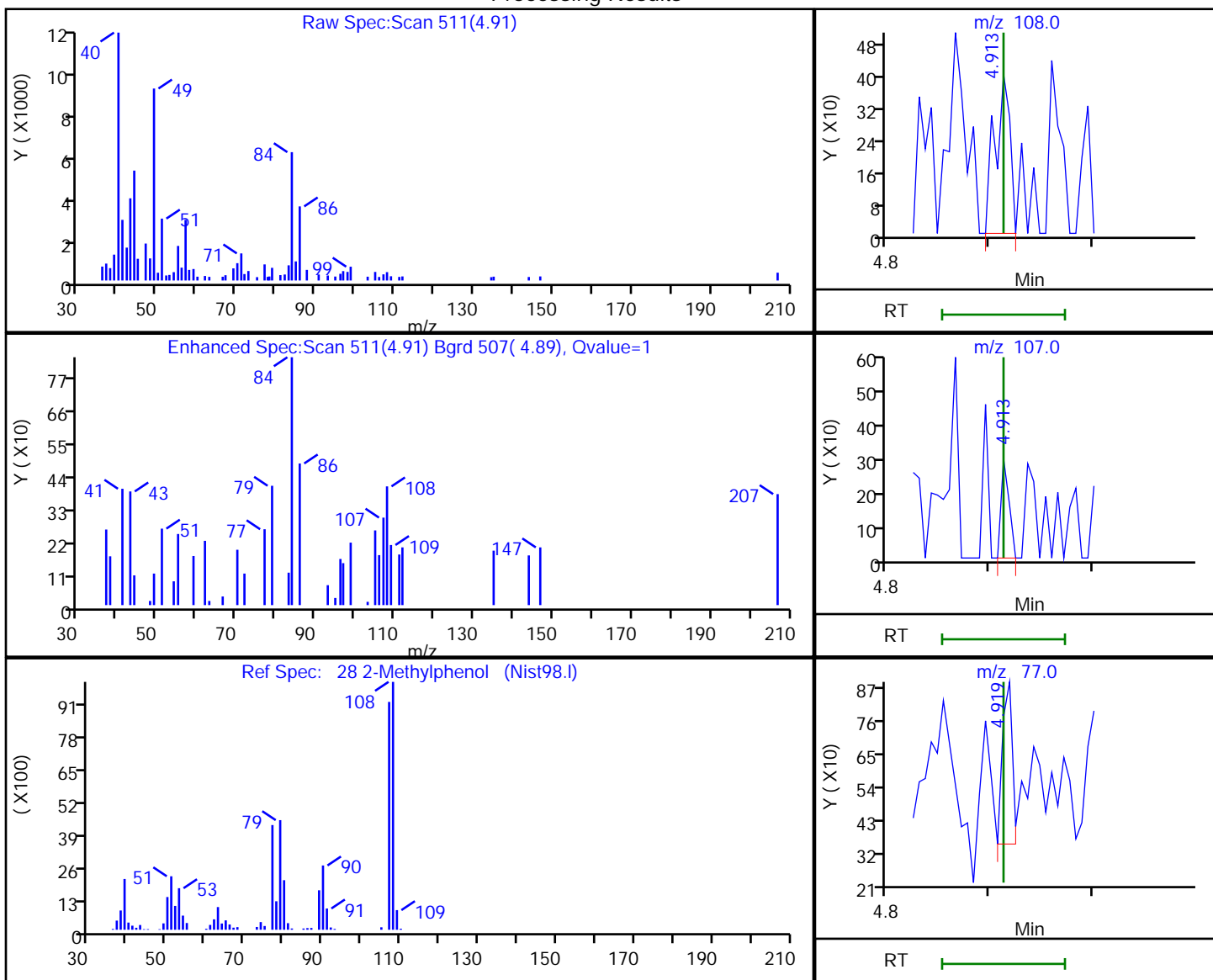
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a017.D
 Injection Date: 22-Mar-2022 18:12:30 Instrument ID: TAC040
 Lims ID: MB 580-384314/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

28 2-Methylphenol, CAS: 95-48-7

Processing Results



RT	Mass	Response	Amount
4.91	108.00	405	1.967224
4.91	107.00	159	
4.92	77.00	359	

Reviewer: mohammedj, 22-Mar-2022 19:52:28

Audit Action: Marked Compound Undetected

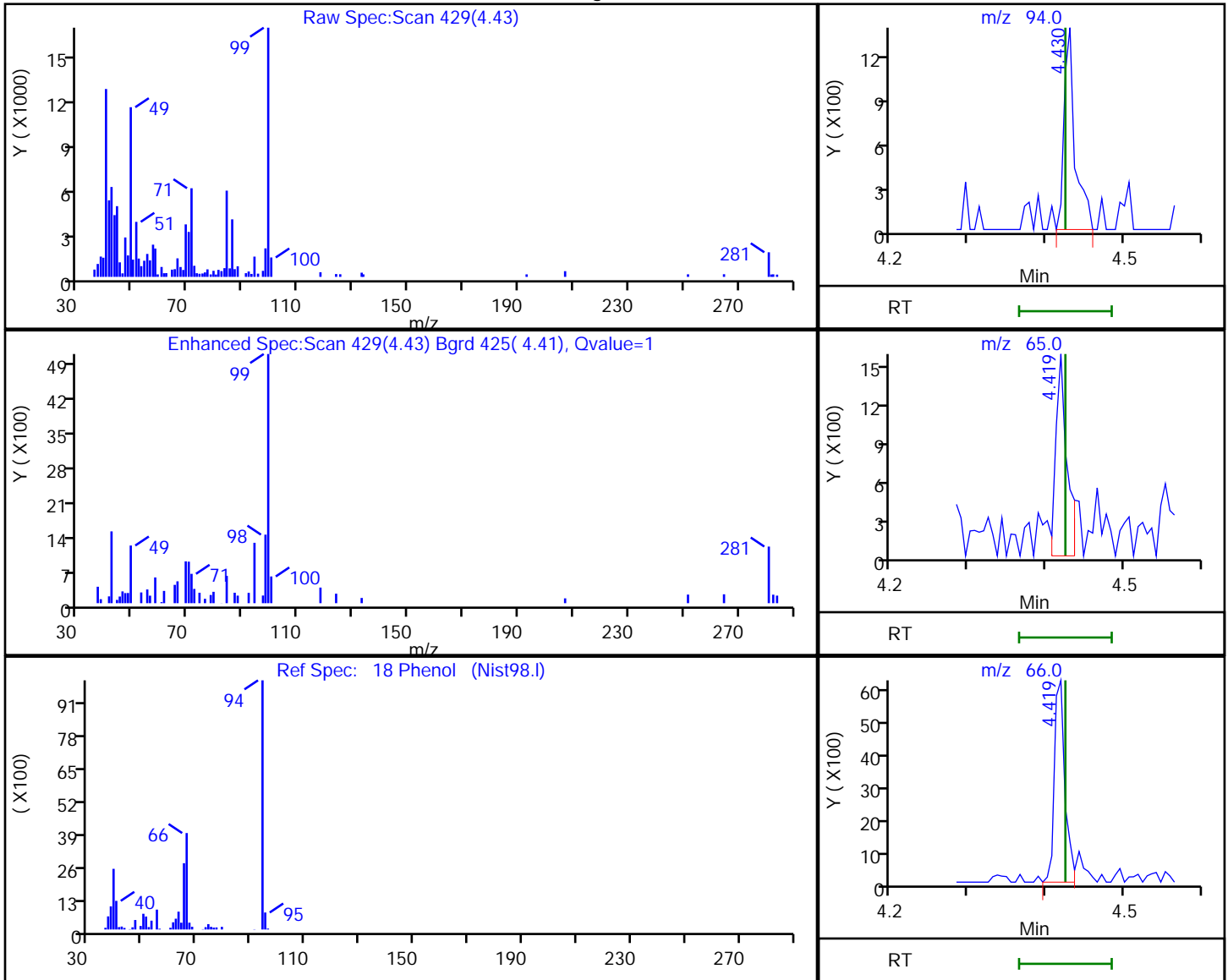
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a017.D
 Injection Date: 22-Mar-2022 18:12:30 Instrument ID: TAC040
 Lims ID: MB 580-384314/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

18 Phenol, CAS: 108-95-2

Processing Results



RT	Mass	Response	Amount
4.43	94.00	1349	4.550754
4.42	65.00	1604	
4.42	66.00	5978	

Reviewer: mohammedj, 22-Mar-2022 19:52:23

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-384501/1-A
 Matrix: Water Lab File ID: 40Scan032322x009.D
 Analysis Method: 8270E Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/23/2022 05:13
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384789 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U	0.40	0.30	0.090
95-50-1	1,2-Dichlorobenzene	0.15	U	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.090	U	0.40	0.090	0.040
106-46-7	1,4-Dichlorobenzene	0.090	U	0.40	0.090	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U M	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.070
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U	1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	0.60	U M	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U M	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.60	0.15	0.050
100-02-7	4-Nitrophenol	6.0	U	10	6.0	1.7
103-33-3	Azobenzene	0.15	U M	2.0	0.15	0.060
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.090	U M	0.10	0.090	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.30	U	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.090	U	0.60	0.090	0.040
87-68-3	Hexachlorobutadiene	0.15	U	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U	1.0	0.15	0.050

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-384501/1-A
 Matrix: Water Lab File ID: 40Scan032322x009.D
 Analysis Method: 8270E Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/23/2022 05:13
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384789 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U M	0.60	0.30	0.10
98-95-3	Nitrobenzene	0.090	U M	1.0	0.090	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.090	U M	0.40	0.090	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.070
95-48-7	o-Cresol	0.15	U	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U	10	1.0	0.51
108-95-2	Phenol	0.60	U M	1.0	0.60	0.36
129-00-0	Pyrene	0.090	U	1.0	0.090	0.040
110-86-1	Pyridine	3.2	U M	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	67		43-140
321-60-8	2-Fluorobiphenyl	70		44-119
367-12-4	2-Fluorophenol (Surr)	55		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	71		44-120
4165-62-2	Phenol-d5 (Surr)	21		10-120
1718-51-0	Terphenyl-d14	93		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x009.D
 Lims ID: MB 580-384501/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 23-Mar-2022 05:13:30 ALS Bottle#: 21 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 501 mb
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 23-Mar-2022 14:24:11 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1607

First Level Reviewer: limmere

Date: 23-Mar-2022 14:24:11

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	96	18561	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	99	72980	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	92	32097	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.372	-0.001	95	56546	100.0	100.0	
* 5 Chrysene-d12	240	10.577	10.571	0.006	95	48141	100.0	100.0	
* 6 Perylene-d12	264	12.089	12.089	0.000	92	57130	100.0	100.0	
\$ 7 2-Fluorophenol	112	3.665	3.659	0.006	93	135536	1000.0	550.4	
\$ 8 Phenol-d5	99	4.454	4.442	0.012	0	63346	1000.0	213.1	
\$ 9 Nitrobenzene-d5	82	5.136	5.136	0.000	95	209419	1000.0	707.2	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	99	300492	1000.0	704.3	
\$ 11 2,4,6-Tribromophenol	330	7.813	7.807	0.006	87	66057	1000.0	673.5	
\$ 12 Terphenyl-d14	244	9.689	9.689	0.000	96	415705	1000.0	928.4	
26 Cyclohexanone	55	4.542	4.542	0.000	1	244		NC	
29 Acetophenone	105	5.019	5.019	0.000	82	5275		15.4	
66 Diethyl phthalate	149	7.530	7.530	0.000	65	2224		5.28	
82 2,3-Dichlorobenzeneamine	161	8.436	8.477	-0.041	1	78		NC	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	76	42012		54.6	
88 Nonylphenol	135	9.736	9.736	0.000	0	661		NC	
87 Butyl benzyl phthalate	149	10.101	10.107	-0.006	71	7631		26.4	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.630	0.000	95	95992		239.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

MeCl2_CT_00216 Amount Added: 1.00 Units: mL Run Reagent
 8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x009.D

Injection Date: 23-Mar-2022 05:13:30

Instrument ID: TAC040

Lims ID: MB 580-384501/1-A

Client ID:

Operator ID: jcm

ALS Bottle#: 21

Worklist Smp#: 8

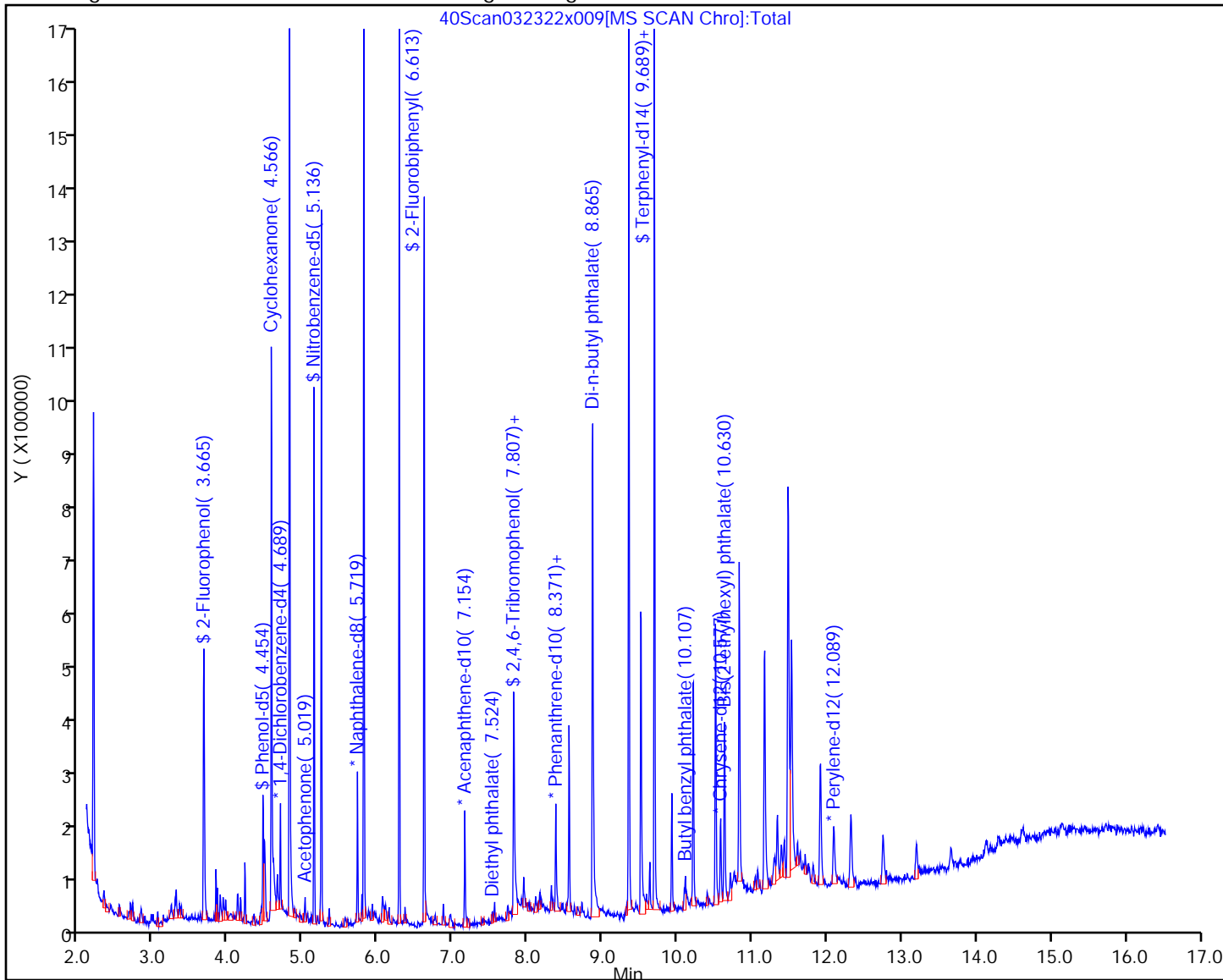
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x009.D
 Lims ID: MB 580-384501/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 23-Mar-2022 05:13:30 ALS Bottle#: 21 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 501 mb
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 23-Mar-2022 14:24:11 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1607

First Level Reviewer: limmere

Date: 23-Mar-2022 14:24:11

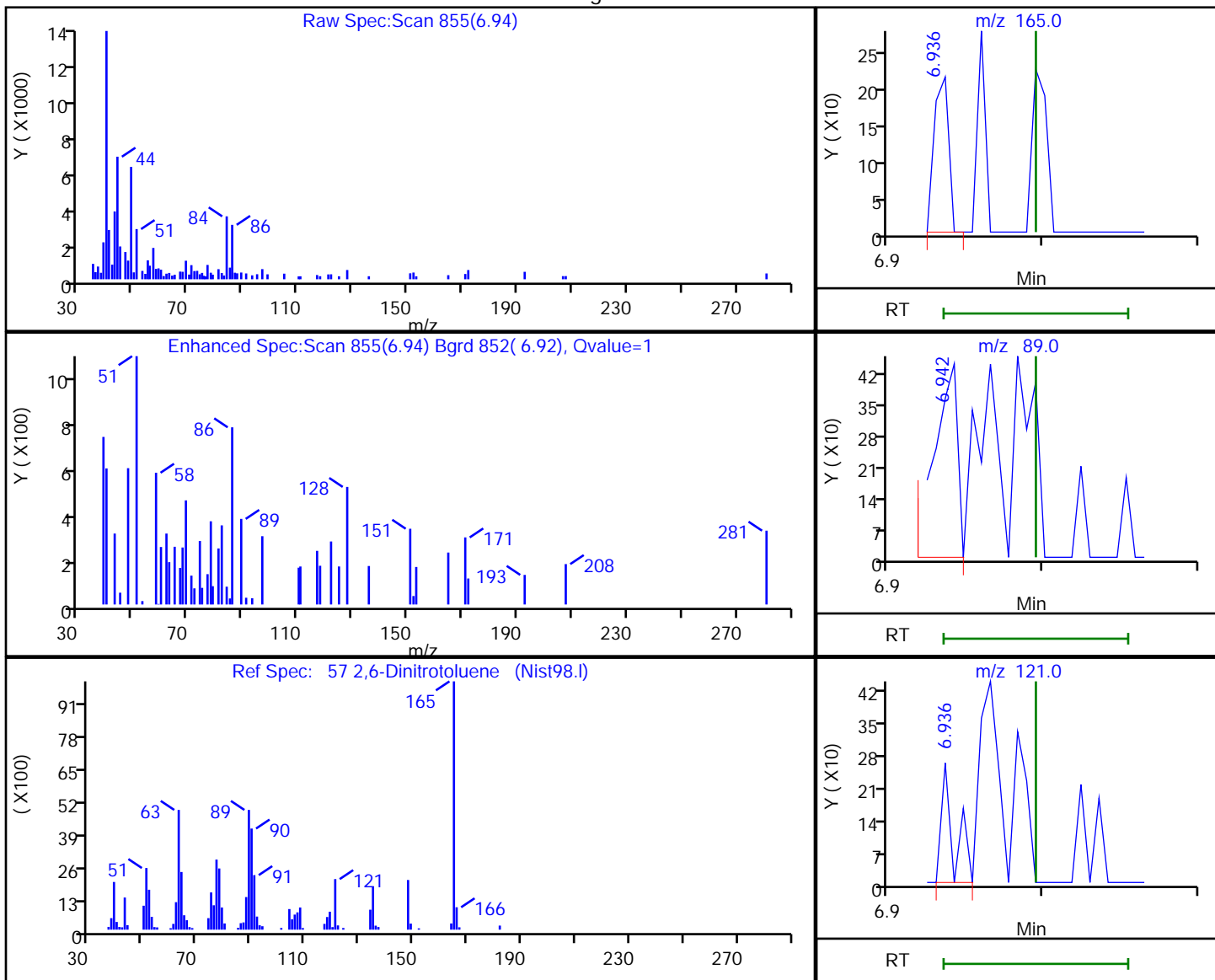
Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-Fluorophenol	1000.0	550.4	55.04
\$ 8 Phenol-d5	1000.0	213.1	21.31
\$ 9 Nitrobenzene-d5	1000.0	707.2	70.72
\$ 10 2-Fluorobiphenyl	1000.0	704.3	70.43
\$ 11 2,4,6-Tribromophenol	1000.0	673.5	67.35
\$ 12 Terphenyl-d14	1000.0	928.4	92.84

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x009.D
 Injection Date: 23-Mar-2022 05:13:30 Instrument ID: TAC040
 Lims ID: MB 580-384501/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

57 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
6.94	165.00	141	15.938602
6.94	89.00	426	
6.94	121.00	146	

Reviewer: limmere, 23-Mar-2022 14:23:36

Audit Action: Marked Compound Undetected

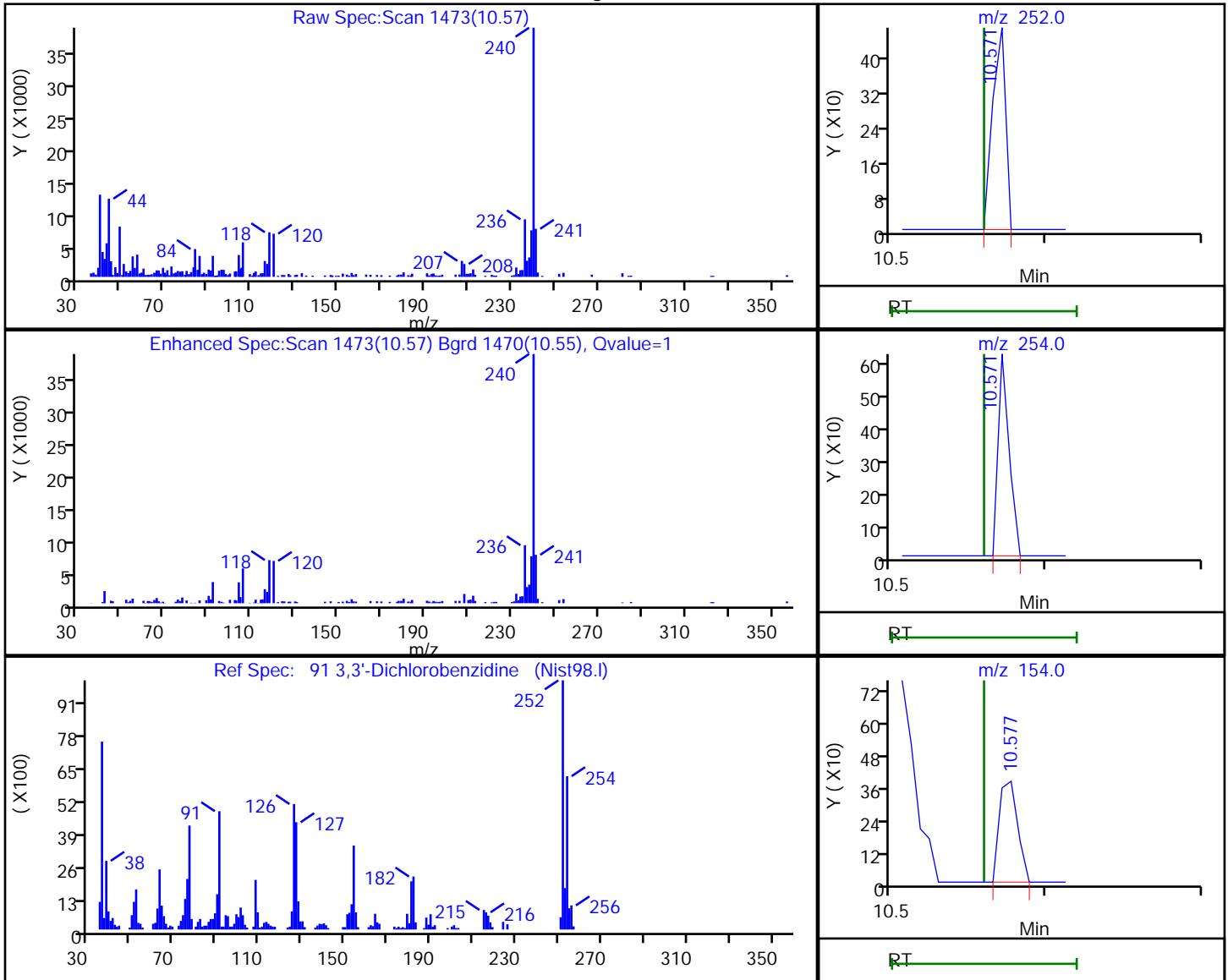
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x009.D
 Injection Date: 23-Mar-2022 05:13:30 Instrument ID: TAC040
 Lims ID: MB 580-384501/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

91 3,3'-Dichlorobenzidine, CAS: 91-94-1

Processing Results



RT	Mass	Response	Amount
10.57	252.00	272	1.623230
10.57	254.00	308	
10.58	154.00	313	

Reviewer: limmere, 23-Mar-2022 14:23:58

Audit Action: Marked Compound Undetected

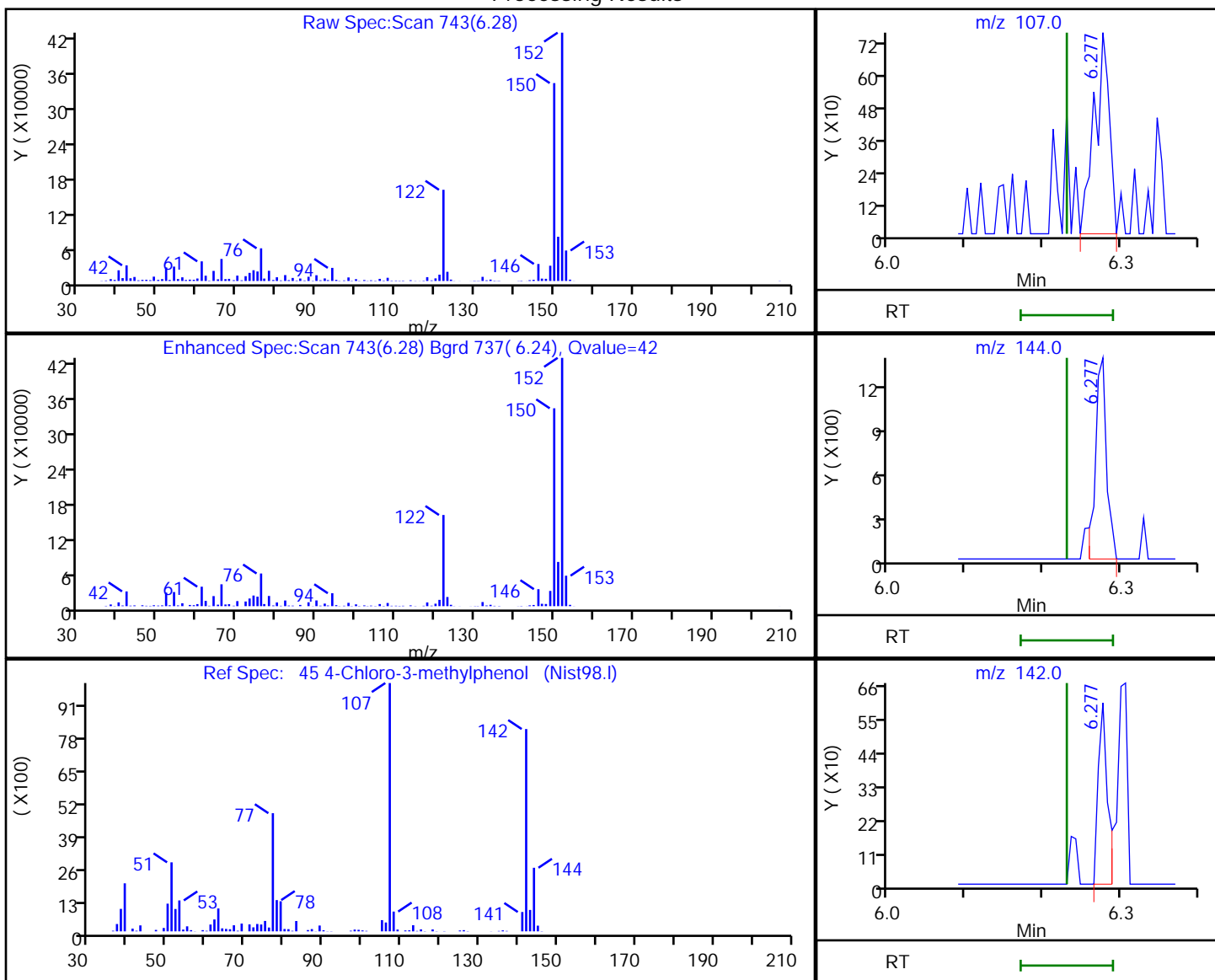
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x009.D
 Injection Date: 23-Mar-2022 05:13:30 Instrument ID: TAC040
 Lims ID: MB 580-384501/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

45 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
6.28	107.00	1007	33.081322
6.28	144.00	1358	
6.28	142.00	511	

Reviewer: limmere, 23-Mar-2022 14:23:29

Audit Action: Marked Compound Undetected

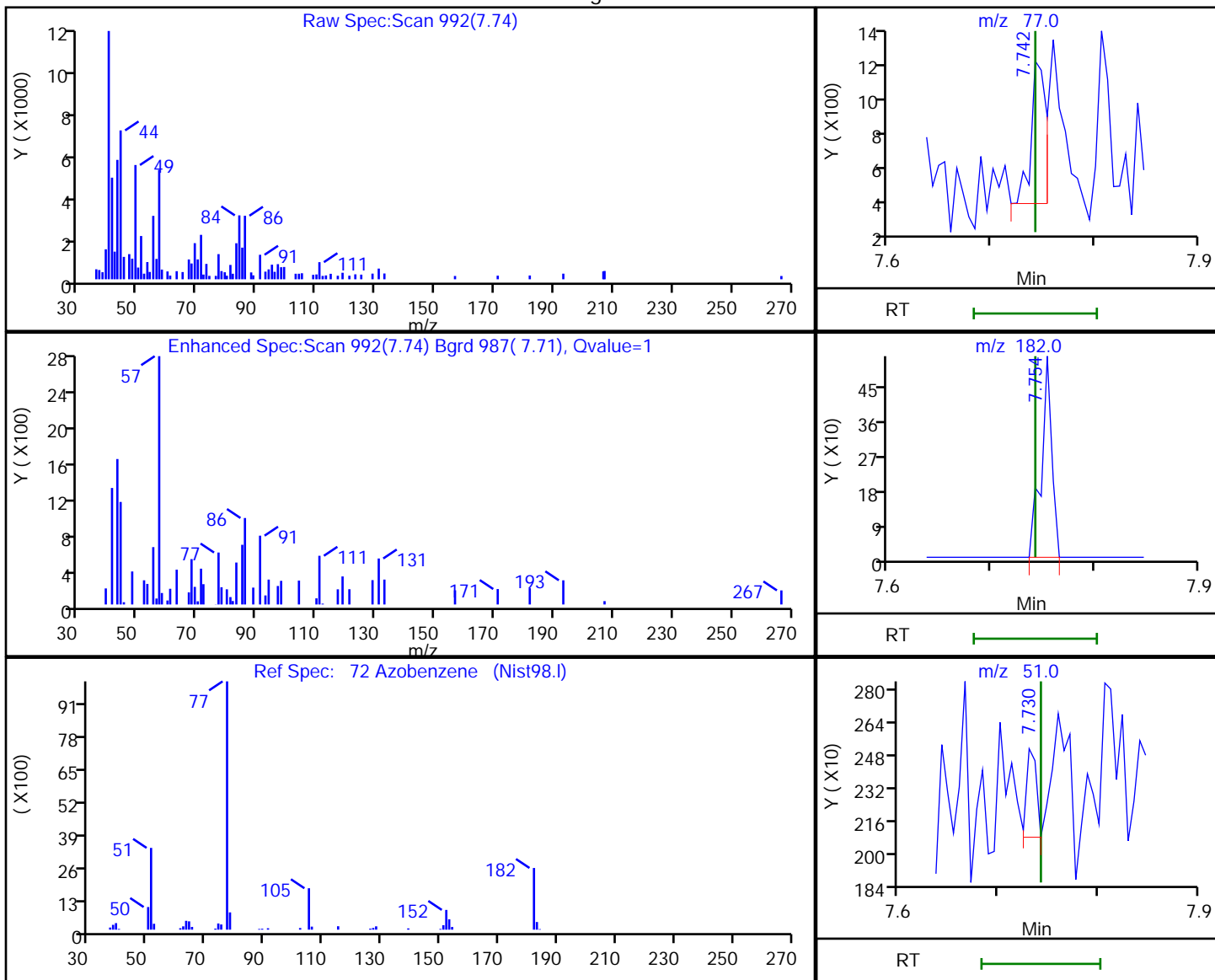
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x009.D
 Injection Date: 23-Mar-2022 05:13:30 Instrument ID: TAC040
 Lims ID: MB 580-384501/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

72 Azobenzene, CAS: 103-33-3

Processing Results



RT	Mass	Response	Amount
7.74	77.00	803	1.413879
7.75	182.00	373	
7.73	51.00	299	

Reviewer: limmere, 23-Mar-2022 14:23:46

Audit Action: Marked Compound Undetected

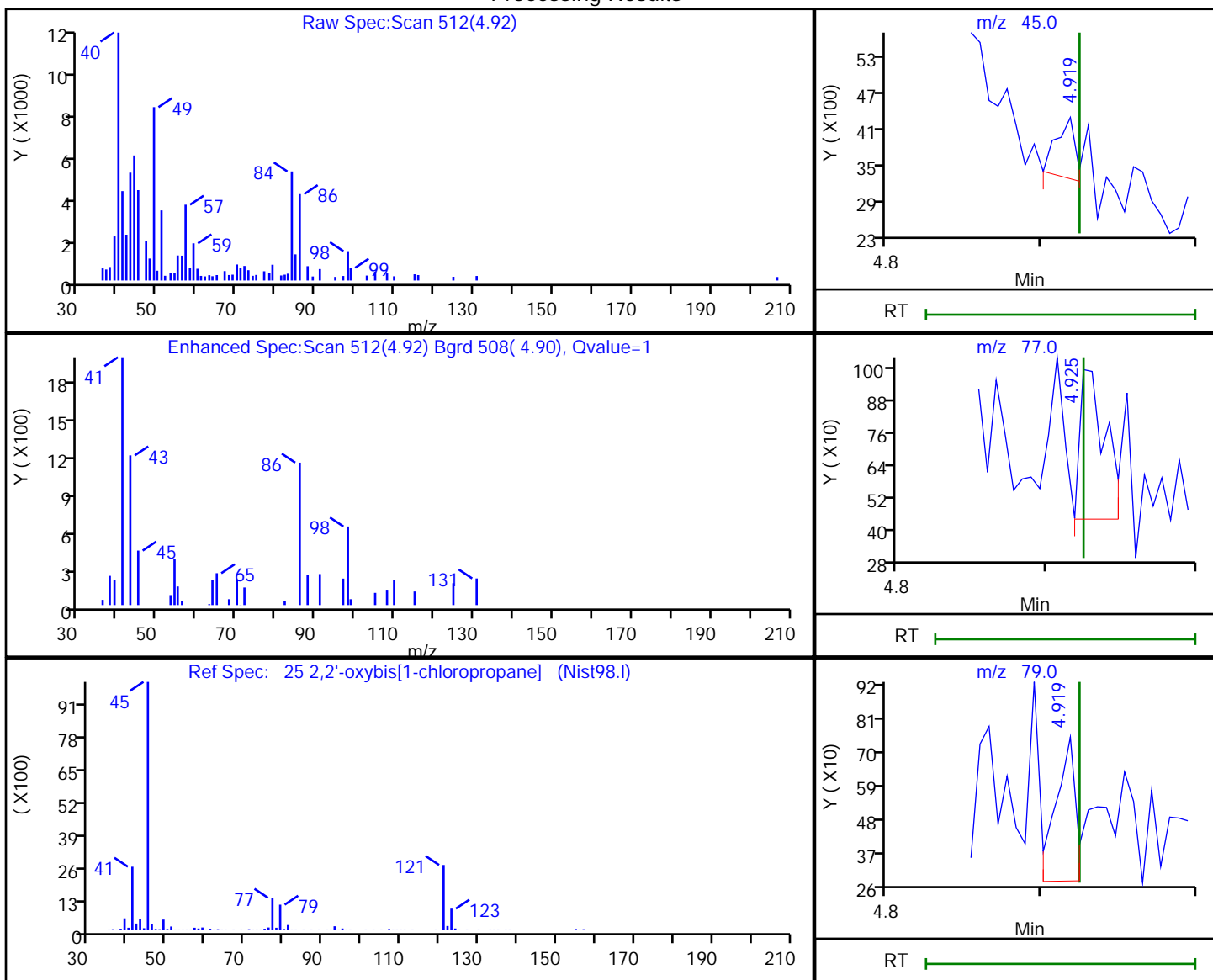
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x009.D
 Injection Date: 23-Mar-2022 05:13:30 Instrument ID: TAC040
 Lims ID: MB 580-384501/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

25 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.92	45.00	841	1.839094
4.92	77.00	659	
4.92	79.00	433	

Reviewer: limmere, 23-Mar-2022 14:23:21

Audit Action: Marked Compound Undetected

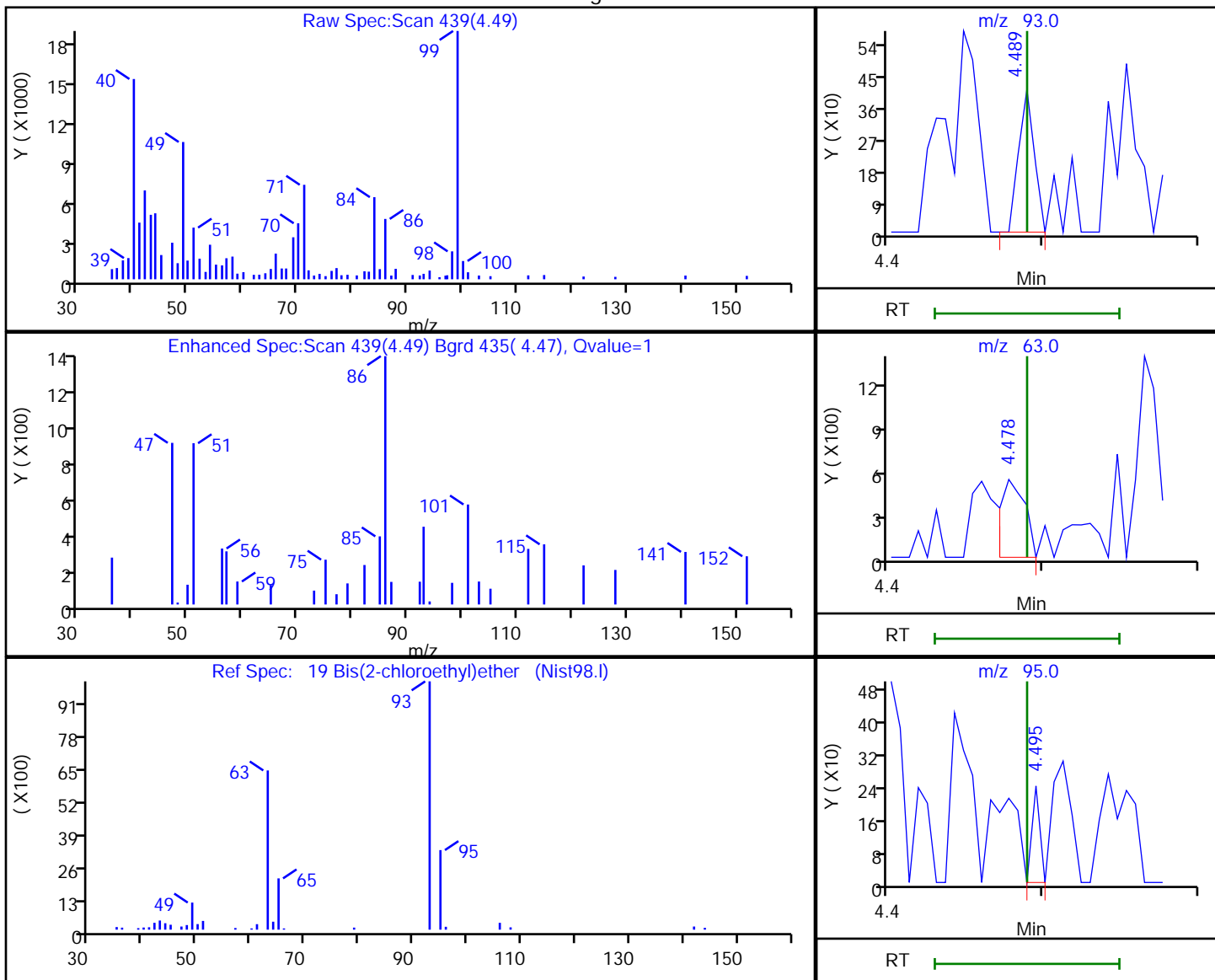
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x009.D
 Injection Date: 23-Mar-2022 05:13:30 Instrument ID: TAC040
 Lims ID: MB 580-384501/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

19 Bis(2-chloroethyl)ether, CAS: 111-44-4

Processing Results



RT	Mass	Response	Amount
4.49	93.00	288	1.186622
4.48	63.00	563	
4.50	95.00	83	

Reviewer: limmere, 23-Mar-2022 14:23:14

Audit Action: Marked Compound Undetected

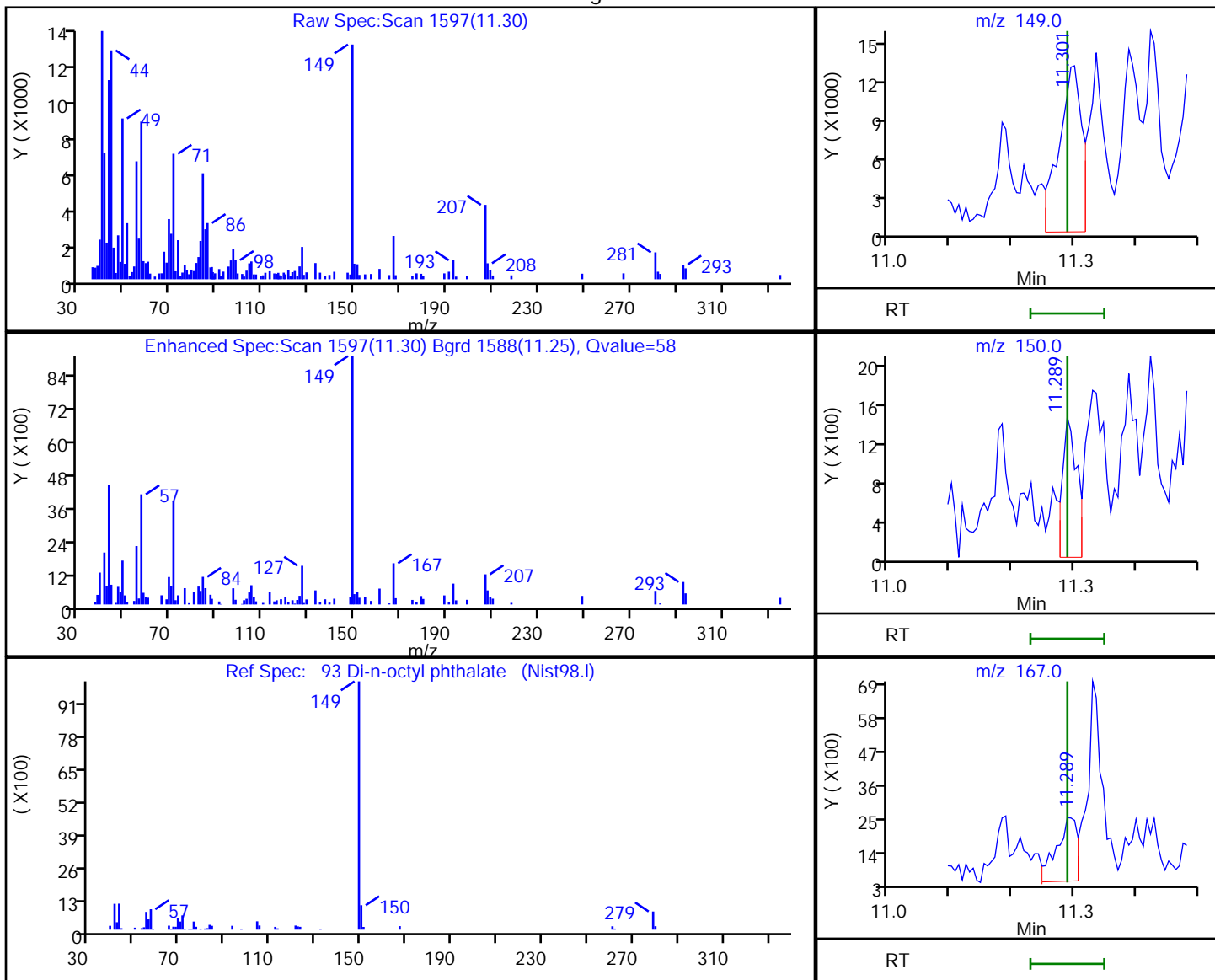
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x009.D
 Injection Date: 23-Mar-2022 05:13:30 Instrument ID: TAC040
 Lims ID: MB 580-384501/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

93 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.30	149.00	33328	73.486590
11.29	150.00	2302	
11.29	167.00	4941	

Reviewer: limmere, 23-Mar-2022 14:24:05

Audit Action: Marked Compound Undetected

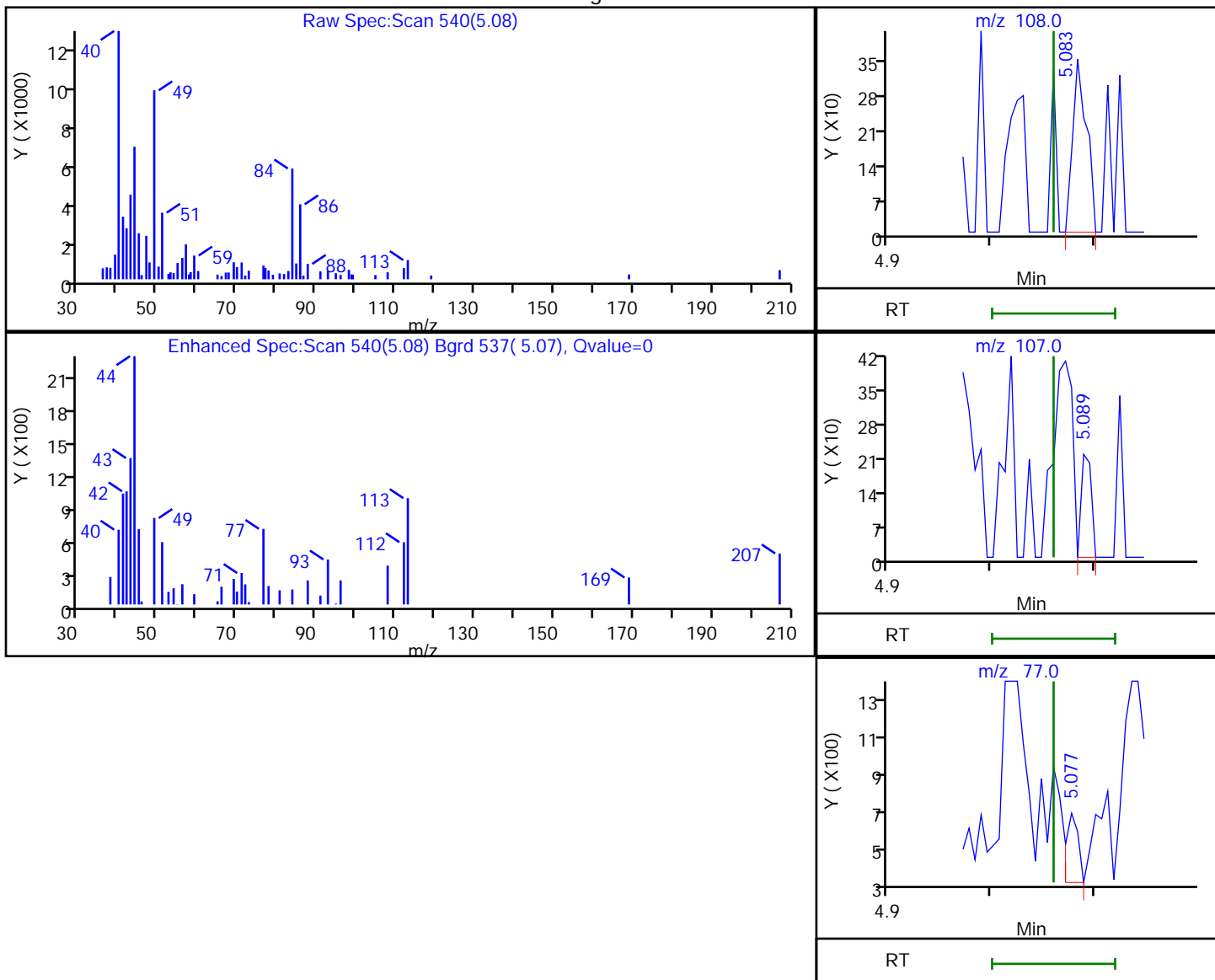
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x009.D
 Injection Date: 23-Mar-2022 05:13:30 Instrument ID: TAC040
 Lims ID: MB 580-384501/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

32 3 & 4 Methylphenol, CAS: 15831-10-4

Processing Results



RT	Mass	Response	Amount
5.08	108.00	329	1.418714
5.09	107.00	142	
5.08	77.00	279	

Reviewer: limmere, 23-Mar-2022 14:23:24

Audit Action: Marked Compound Undetected

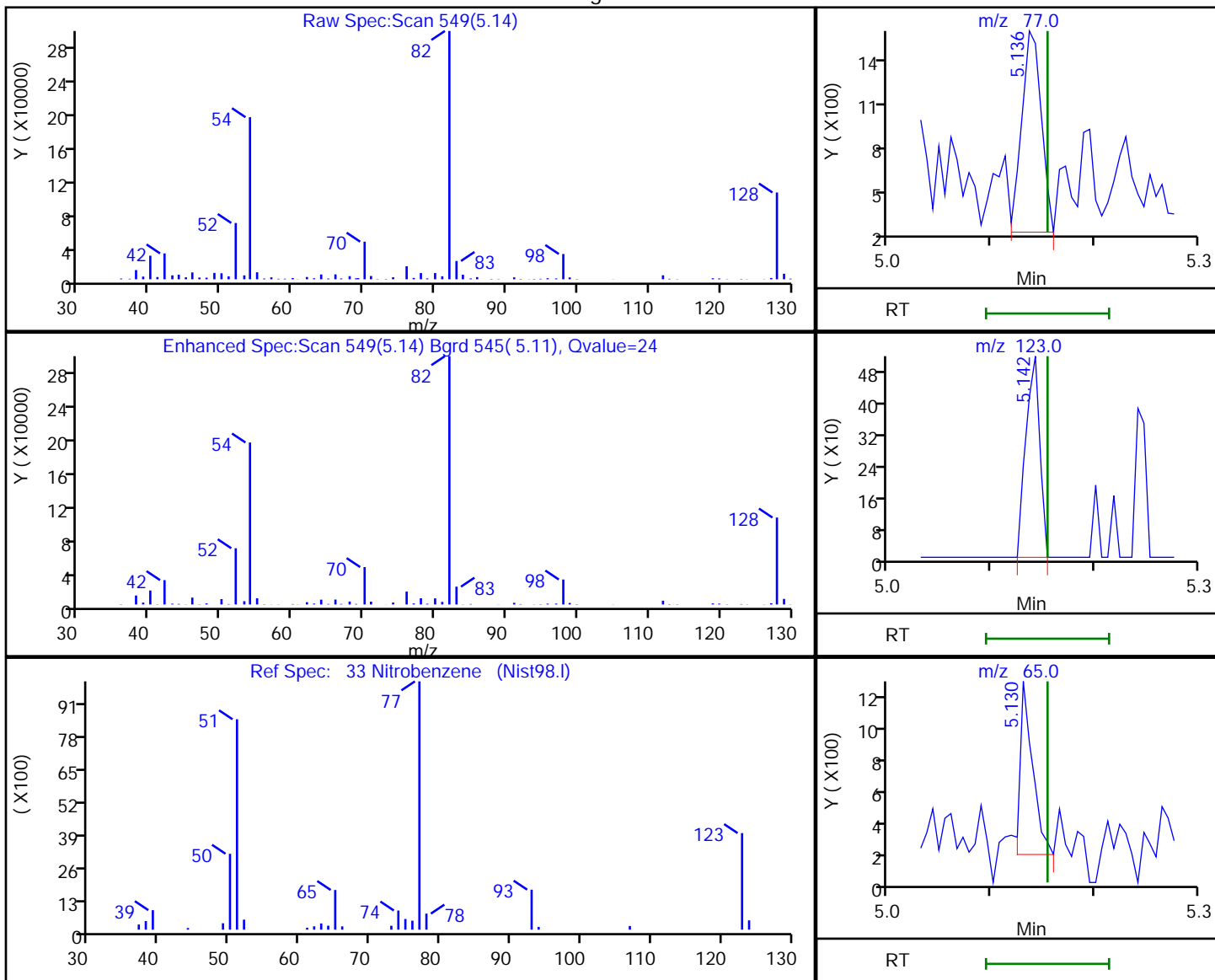
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x009.D
 Injection Date: 23-Mar-2022 05:13:30 Instrument ID: TAC040
 Lims ID: MB 580-384501/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

33 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
5.14	77.00	1755	5.856683
5.14	123.00	486	
5.13	65.00	867	

Reviewer: limmere, 23-Mar-2022 14:23:25

Audit Action: Marked Compound Undetected

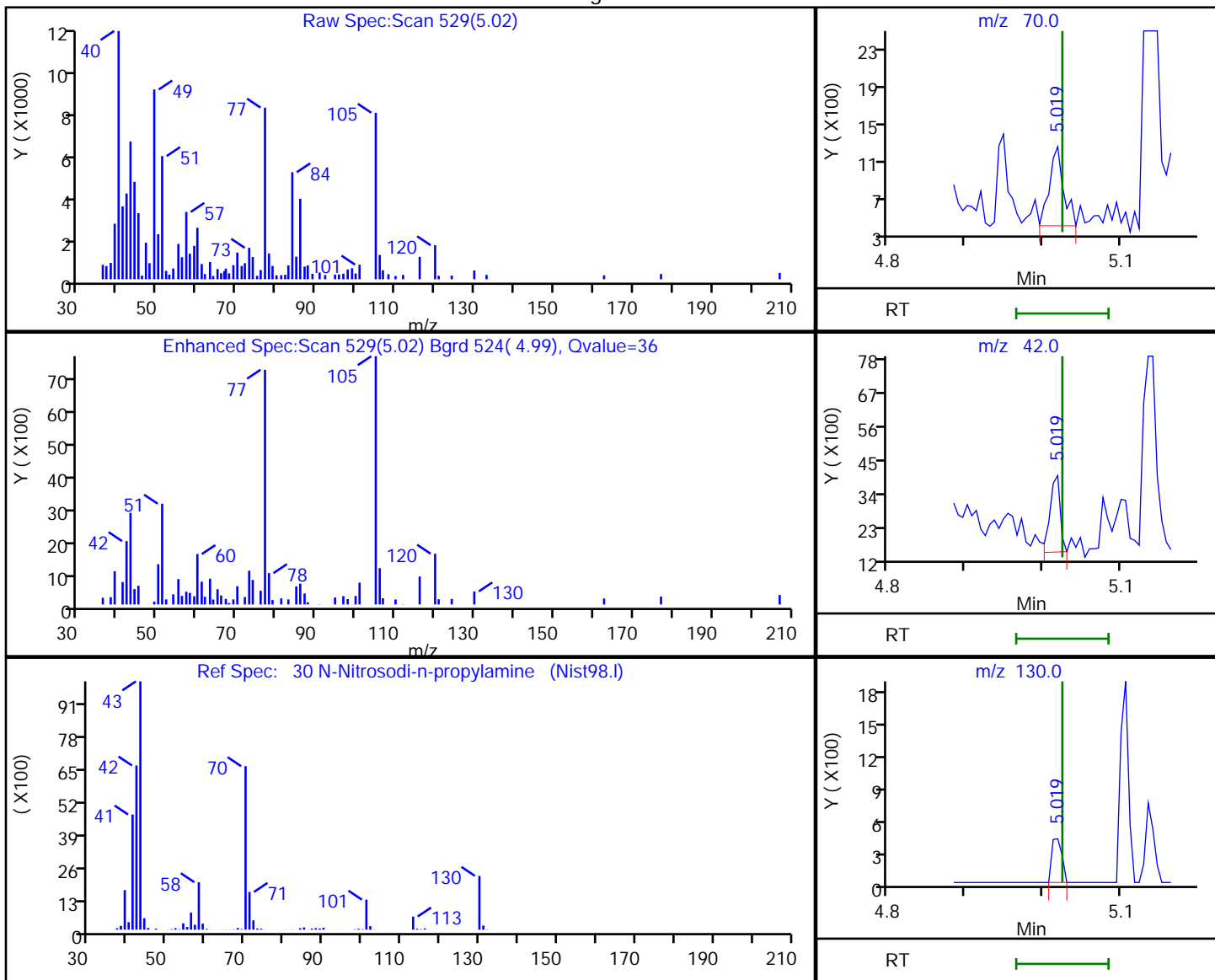
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x009.D
 Injection Date: 23-Mar-2022 05:13:30 Instrument ID: TAC040
 Lims ID: MB 580-384501/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

30 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Processing Results



RT	Mass	Response	Amount
5.02	70.00	1063	4.850896
5.02	42.00	2301	
5.02	130.00	368	

Reviewer: limmere, 23-Mar-2022 14:23:23

Audit Action: Marked Compound Undetected

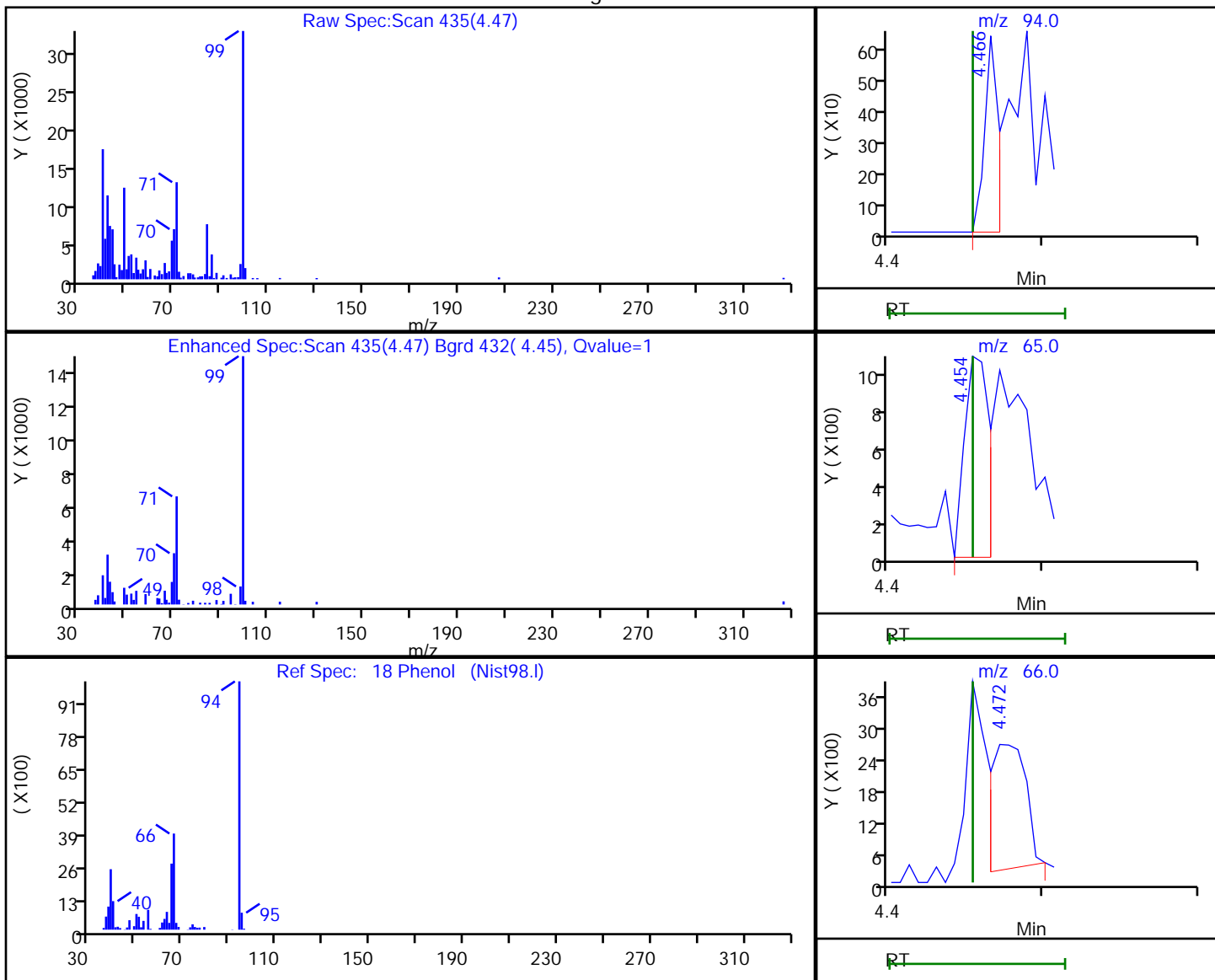
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x009.D
 Injection Date: 23-Mar-2022 05:13:30 Instrument ID: TAC040
 Lims ID: MB 580-384501/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

18 Phenol, CAS: 108-95-2

Processing Results



RT	Mass	Response	Amount
4.47	94.00	403	1.195570
4.45	65.00	1179	
4.47	66.00	3763	

Reviewer: limmere, 23-Mar-2022 14:23:13

Audit Action: Marked Compound Undetected

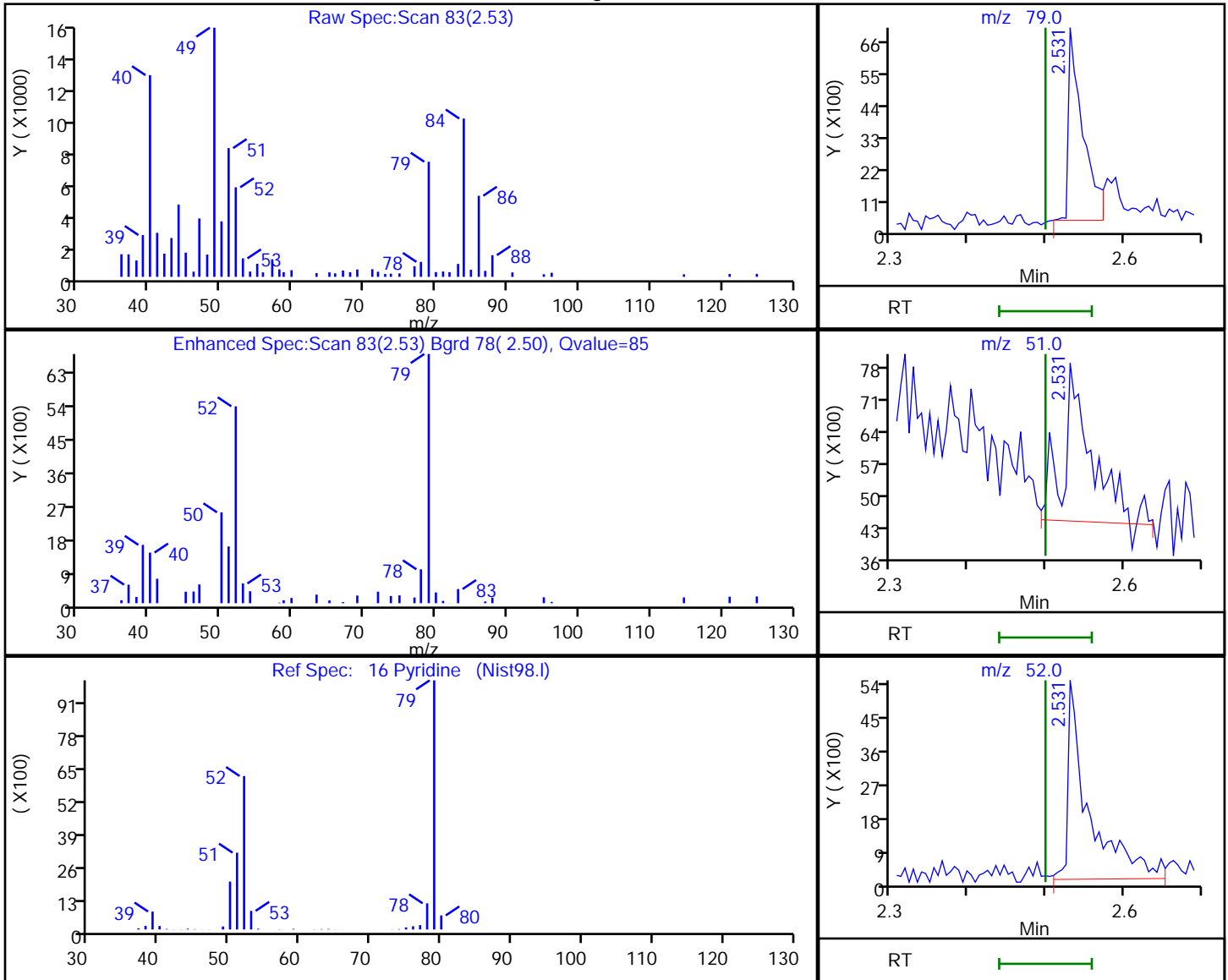
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x009.D
 Injection Date: 23-Mar-2022 05:13:30 Instrument ID: TAC040
 Lims ID: MB 580-384501/1-A
 Client ID:
 Operator ID: jcm ALS Bottle#: 21 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
 Column: Detector MS SCAN

16 Pyridine, CAS: 110-86-1

Processing Results



RT	Mass	Response	Amount
2.53	79.00	8692	30.935452
2.53	51.00	8763	
2.53	52.00	10116	

Reviewer: limmere, 23-Mar-2022 14:23:10

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-384314/2-A
 Matrix: Water Lab File ID: 40Scan032222a018.D
 Analysis Method: 8270E Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/18/2022 10:55
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/22/2022 18:36
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384624 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	1.06		0.40	0.30	0.090
95-50-1	1,2-Dichlorobenzene	0.978		0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.929		0.40	0.090	0.040
106-46-7	1,4-Dichlorobenzene	0.939		0.40	0.090	0.040
95-95-4	2,4,5-Trichlorophenol	1.48		0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	1.55		0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	1.56		1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	1.52	J	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.14	J M	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	1.68		1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	1.66		0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	1.44		1.0	0.15	0.070
95-57-8	2-Chlorophenol	1.45		1.0	0.15	0.050
88-75-5	2-Nitrophenol	1.58		1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	4.39		1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	2.99		2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	1.57		0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	1.79		0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	1.70		0.60	0.15	0.050
100-02-7	4-Nitrophenol	2.14	J M	10	6.0	1.7
103-33-3	Azobenzene	1.78	J	2.0	0.15	0.060
108-60-1	bis (2-chloroisopropyl) ether	1.59		0.25	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	1.54		0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	1.45		0.10	0.090	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	2.11	J	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	1.98	J	4.0	0.60	0.27
84-66-2	Diethyl phthalate	1.95		1.0	0.30	0.15
131-11-3	Dimethyl phthalate	1.84		0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	1.87	J	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	1.74		1.0	0.30	0.13
118-74-1	Hexachlorobenzene	1.47		0.60	0.090	0.040
87-68-3	Hexachlorobutadiene	0.820	J	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.952	J	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.812	J	1.0	0.15	0.050

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-384314/2-A
 Matrix: Water Lab File ID: 40Scan032222a018.D
 Analysis Method: 8270E Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/18/2022 10:55
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/22/2022 18:36
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384624 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	1.69		0.40	0.30	0.10
15831-10-4	m+p-Cresol	1.33		0.60	0.30	0.10
98-95-3	Nitrobenzene	1.53		1.0	0.090	0.040
62-75-9	N-Nitrosodimethylamine	1.29	J	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	1.49		0.40	0.090	0.060
86-30-6	N-Nitrosodiphenylamine	1.61		1.0	0.15	0.070
95-48-7	o-Cresol	1.36		0.60	0.15	0.050
87-86-5	Pentachlorophenol	2.47	J	10	1.0	0.51
108-95-2	Phenol	0.820	J	1.0	0.60	0.36
129-00-0	Pyrene	1.74		1.0	0.090	0.040
110-86-1	Pyridine	1.24	J	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	84		43-140
321-60-8	2-Fluorobiphenyl	78		44-119
367-12-4	2-Fluorophenol (Surr)	53		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	82		44-120
4165-62-2	Phenol-d5 (Surr)	36		10-120
1718-51-0	Terphenyl-d14	101		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a018.D
 Lims ID: LCS 580-384314/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 22-Mar-2022 18:36:30 ALS Bottle#: 16 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 580-384314/2-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 22-Mar-2022 19:55:53 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1665

First Level Reviewer: mohammedj

Date: 22-Mar-2022 19:54:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	94	17200	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	97	63173	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	71	30426	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	96	53808	100.0	100.0	
* 5 Chrysene-d12	240	10.571	10.577	-0.006	55	47530	100.0	100.0	
* 6 Perylene-d12	264	12.089	12.089	0.000	93	52299	100.0	100.0	
\$ 7 2-Fluorophenol	112	3.638	3.633	0.005	95	120413	1000.0	527.7	
\$ 8 Phenol-d5	99	4.419	4.413	0.006	0	100409	1000.0	364.5	
\$ 9 Nitrobenzene-d5	82	5.142	5.136	0.006	92	210337	1000.0	820.6	
\$ 10 2-Fluorobiphenyl	172	6.613	6.618	0.000	99	316201	1000.0	781.8	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	88	79441	1000.0	844.9	
\$ 12 Terphenyl-d14	244	9.689	9.695	-0.006	96	428430	1000.0	1005.5	
15 N-Nitrosodimethylamine	74	2.488	2.477	0.011	83	99351	1000.0	642.7	
16 Pyridine	79	2.504	2.493	0.011	88	158343	2000.0	620.0	
17 Aniline	93	4.425	4.425	0.000	81	283896	1000.0	810.6	
18 Phenol	94	4.425	4.425	0.000	66	128074	1000.0	410.0	
19 Bis(2-chloroethyl)ether	93	4.489	4.489	0.000	86	162834	1000.0	724.0	
20 2-Chlorophenol	128	4.519	4.519	0.000	89	169993	1000.0	727.2	
21 n-Decane	57	4.572	4.572	0.000	93	149193	1000.0	506.5	
22 1,3-Dichlorobenzene	146	4.642	4.637	0.006	96	121761	1000.0	464.6	
23 1,4-Dichlorobenzene	146	4.701	4.701	0.000	88	126666	1000.0	469.6	
27 Benzyl alcohol	79	4.813	4.813	0.000	56	94148	1000.0	549.4	
24 1,2-Dichlorobenzene	146	4.825	4.819	0.006	93	124461	1000.0	488.9	
28 2-Methylphenol	108	4.913	4.913	0.000	80	147966	1000.0	682.1	
25 2,2'-oxybis[1-chloropropane]	45	4.925	4.925	0.001	80	337359	1000.0	796.1	
29 Acetophenone	105	5.019	5.019	0.000	86	244461	1000.0	769.9	
30 N-Nitrosodi-n-propylamine	70	5.025	5.025	0.001	91	150934	1000.0	743.3	
32 3 & 4 Methylphenol	108	5.042	5.042	0.000	0	142543	1000.0	663.3	
31 Hexachloroethane	117	5.095	5.095	0.000	89	48395	1000.0	405.8	
33 Nitrobenzene	77	5.154	5.154	0.000	93	211741	1000.0	762.5	
34 Isophorone	82	5.354	5.354	0.000	97	388939	1000.0	846.0	
35 2-Nitrophenol	139	5.413	5.413	0.000	88	84164	1000.0	791.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 2,4-Dimethylphenol	107	5.466	5.466	0.000	96	164206	1000.0	759.4	
36 Benzoic acid	105	5.513	5.519	-0.017	51	35905	2000.0	533.4	a
38 Bis(2-chloroethoxy)methane	93	5.542	5.542	0.000	93	214440	1000.0	772.0	
39 2,4-Dichlorophenol	162	5.619	5.619	0.000	96	120446	1000.0	779.6	
40 1,2,4-Trichlorobenzene	180	5.678	5.678	0.001	91	105320	1000.0	529.7	
41 Naphthalene	128	5.736	5.736	0.000	98	425269	1000.0	662.4	
43 4-Chloroaniline	127	5.795	5.795	0.000	74	181245	1000.0	883.7	
42 2,6-Dichlorophenol	162	5.795	5.800	0.000	78	126346	1000.0	851.1	
44 Hexachlorobutadiene	225	5.842	5.842	0.000	91	47523	1000.0	409.9	
45 4-Chloro-3-methylphenol	107	6.207	6.207	0.000	93	142628	1000.0	894.6	
46 2-Methylnaphthalene	142	6.307	6.307	0.000	83	264490	1000.0	665.2	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	89	257940	1000.0	668.1	
48 Hexachlorocyclopentadiene	237	6.436	6.442	0.000	75	50824	1000.0	476.0	
49 1,2,4,5-Tetrachlorobenzene	216	6.442	6.448	0.000	96	108851	1000.0	578.4	
50 2,4,6-Trichlorophenol	196	6.542	6.548	0.000	92	80735	1000.0	772.8	
51 2,4,5-Trichlorophenol	196	6.577	6.583	0.000	93	87670	1000.0	741.3	
52 1,1'-Biphenyl	154	6.689	6.695	0.000	97	333846	1000.0	766.1	
53 2-Chloronaphthalene	162	6.701	6.707	0.000	97	255937	1000.0	720.5	
54 2-Nitroaniline	138	6.795	6.801	0.000	79	102277	1000.0	908.6	
55 Dimethyl phthalate	163	6.954	6.960	0.000	96	342624	1000.0	918.6	
56 1,3-Dinitrobenzene	168	6.972	6.972	0.001	70	43993	1000.0	814.7	
57 2,6-Dinitrotoluene	165	6.995	7.007	-0.006	60	69998	1000.0	831.5	
58 Acenaphthylene	152	7.042	7.048	0.000	94	450208	1000.0	803.9	
59 3-Nitroaniline	138	7.136	7.142	0.000	89	80436	1000.0	1047.5	
60 Acenaphthene	153	7.183	7.189	0.000	98	303160	1000.0	809.5	
69 2,4-Dinitrophenol	184	7.219	7.218	0.001	66	42234	2000.0	1567.9	a
63 4-Nitrophenol	109	7.307	7.307	0.000	93	41567	2000.0	1070.3	M
61 Dibenzofuran	168	7.324	7.331	0.000	88	401662	1000.0	838.6	
62 2,4-Dinitrotoluene	165	7.324	7.331	0.000	66	89328	1000.0	838.2	
64 2,3,5,6-Tetrachlorophenol	232	7.401	7.407	0.000	91	64493	1000.0	765.2	
65 2,3,4,6-Tetrachlorophenol	232	7.436	7.442	0.000	71	81186	1000.0	864.8	
66 Diethyl phthalate	149	7.530	7.543	-0.006	94	390253	1000.0	976.5	
67 Fluorene	166	7.607	7.613	0.000	81	326067	1000.0	849.2	
68 4-Chlorophenyl phenyl ether	204	7.619	7.625	0.001	96	145120	1000.0	848.8	
70 4-Nitroaniline	138	7.636	7.643	0.000	34	75588	1000.0	1042.4	
73 4,6-Dinitro-2-methylphenol	198	7.654	7.654	0.000	67	70918	2000.0	1493.8	
71 N-Nitrosodiphenylamine	169	7.713	7.713	0.000	67	228061	1000.0	806.5	
72 Azobenzene	77	7.742	7.742	0.000	93	480202	1000.0	888.5	
74 4-Bromophenyl phenyl ether	248	8.013	8.019	-0.005	73	100888	1000.0	785.8	
75 Hexachlorobenzene	284	8.054	8.054	0.000	88	133173	1000.0	734.9	
76 Atrazine	200	8.166	8.172	0.001	84	165056	2000.0	1783.5	
77 Pentachlorophenol	266	8.224	8.225	0.000	92	85782	2000.0	1235.7	
78 n-Octadecane	43	8.313	8.313	0.000	88	259576	1000.0	876.1	
79 Phenanthrene	178	8.389	8.389	0.000	98	489917	1000.0	835.3	
80 Anthracene	178	8.430	8.430	0.000	98	487803	1000.0	819.0	
81 Carbazole	167	8.571	8.577	-0.006	83	447483	1000.0	1029.3	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	99	682782	1000.0	933.0	
84 Fluoranthene	202	9.366	9.366	0.001	99	538872	1000.0	877.4	
85 Benzidine	184	9.495	9.495	0.000	98	141071	2000.0	1798.3	
86 Pyrene	202	9.548	9.548	0.000	95	563161	1000.0	867.8	
87 Butyl benzyl phthalate	149	10.107	10.101	0.000	96	282473	1000.0	988.0	
91 3,3'-Dichlorobenzidine	252	10.560	10.554	0.001	68	363426	2000.0	2196.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Benzo[a]anthracene	228	10.565	10.560	0.000	99	486408	1000.0	879.7	
90 Chrysene	228	10.595	10.595	-0.006	92	523128	1000.0	899.7	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.624	0.000	81	418891	1000.0	1056.5	
93 Di-n-octyl phthalate	149	11.295	11.295	0.000	99	577766	1000.0	868.5	
94 Benzo[b]fluoranthene	252	11.659	11.660	0.000	94	469820	1000.0	873.9	
95 Benzofluoranthene	252	11.689	11.689	0.000	0	1078362	2000.0	1791.2	
96 Benzo[k]fluoranthene	252	11.689	11.689	0.000	94	591126	1000.0	880.9	
97 Benzo[a]pyrene	252	12.018	12.024	-0.006	80	443334	1000.0	883.1	
98 Indeno[1,2,3-cd]pyrene	276	13.342	13.342	0.000	96	438832	1000.0	944.5	
99 Dibenz(a,h)anthracene	278	13.377	13.377	0.000	77	517052	1000.0	894.0	
100 Benzo[g,h,i]perylene	276	13.653	13.654	0.000	90	591021	1000.0	1000.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MeCl2_CT_00216

Amount Added: 1.00

Units: mL

Run Reagent

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a018.D

Injection Date: 22-Mar-2022 18:36:30

Instrument ID: TAC040

Lims ID: LCS 580-384314/2-A

Client ID:

Operator ID: jcm

ALS Bottle#: 16

Worklist Smp#: 17

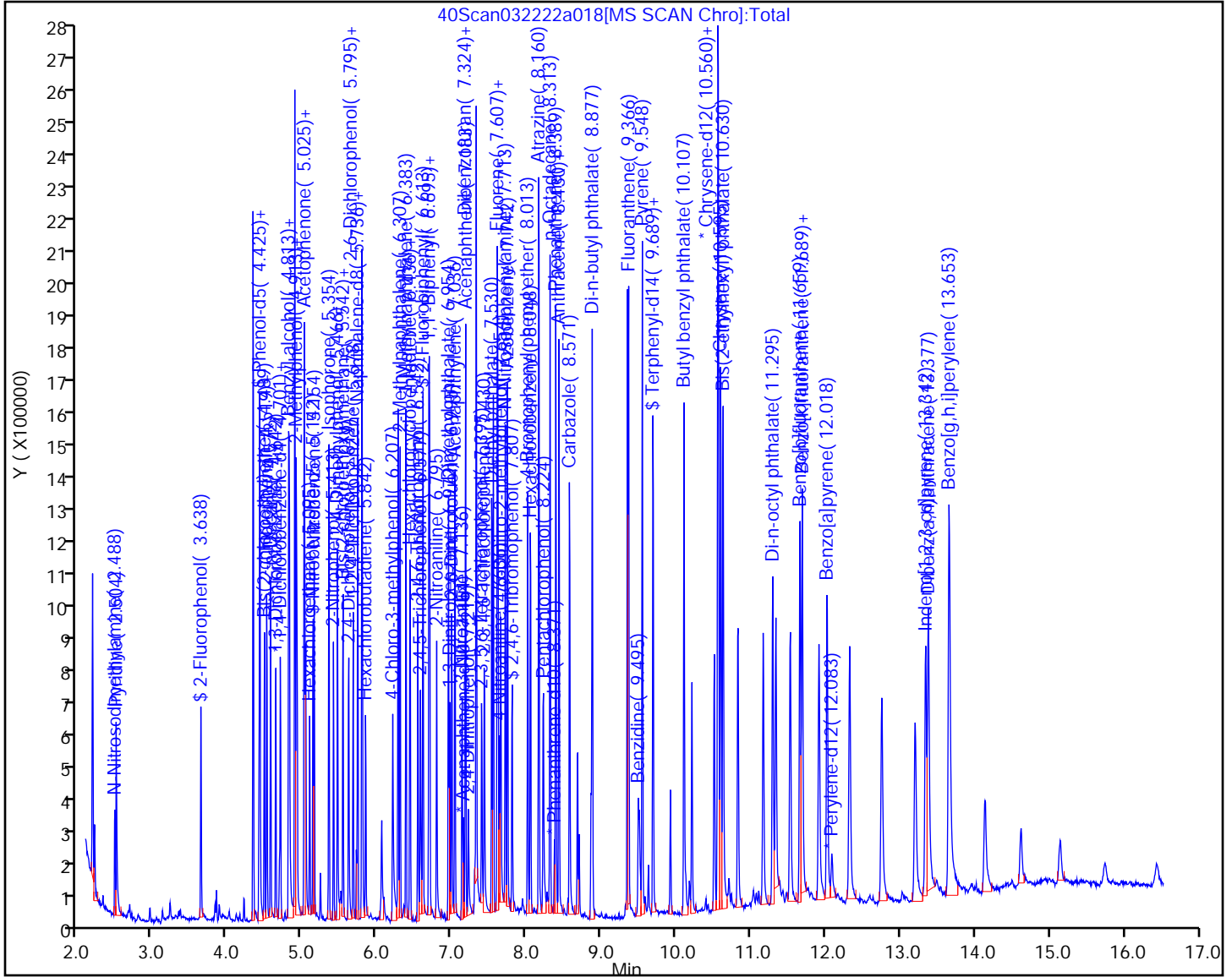
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a018.D
 Lims ID: LCS 580-384314/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 22-Mar-2022 18:36:30 ALS Bottle#: 16 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 580-384314/2-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 22-Mar-2022 19:55:53 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1665

First Level Reviewer: mohammedj

Date: 22-Mar-2022 19:54:42

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-Fluorophenol	1000.0	527.7	52.77
\$ 8 Phenol-d5	1000.0	364.5	36.45
\$ 9 Nitrobenzene-d5	1000.0	820.6	82.06
\$ 10 2-Fluorobiphenyl	1000.0	781.8	78.18
\$ 11 2,4,6-Tribromophenol	1000.0	844.9	84.49
\$ 12 Terphenyl-d14	1000.0	1005.5	100.55

Eurofins Seattle

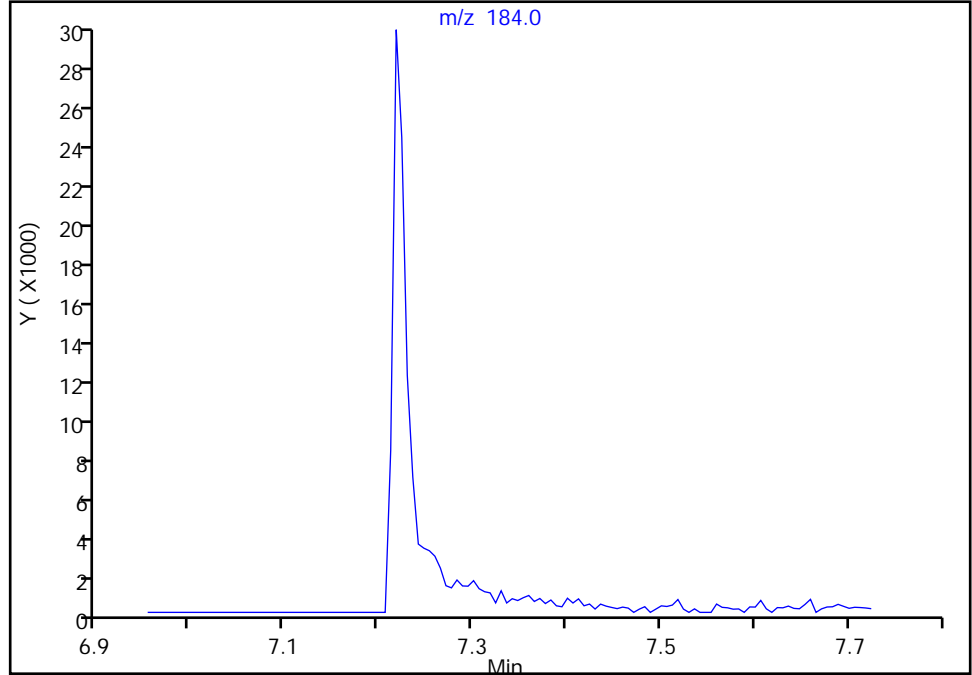
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a018.D
Injection Date: 22-Mar-2022 18:36:30 Instrument ID: TAC040
Lims ID: LCS 580-384314/2-A
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

69 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

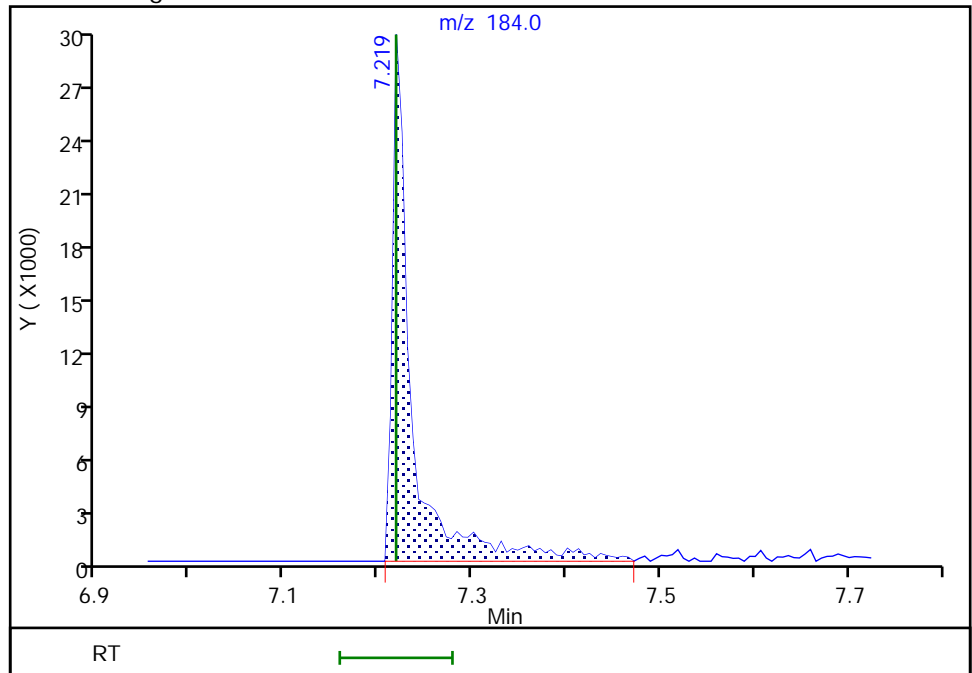
Not Detected
Expected RT: 7.22

Processing Integration Results



Manual Integration Results

RT: 7.22
Area: 42234
Amount: 1567.8998
Amount Units: ug/L



Eurofins Seattle

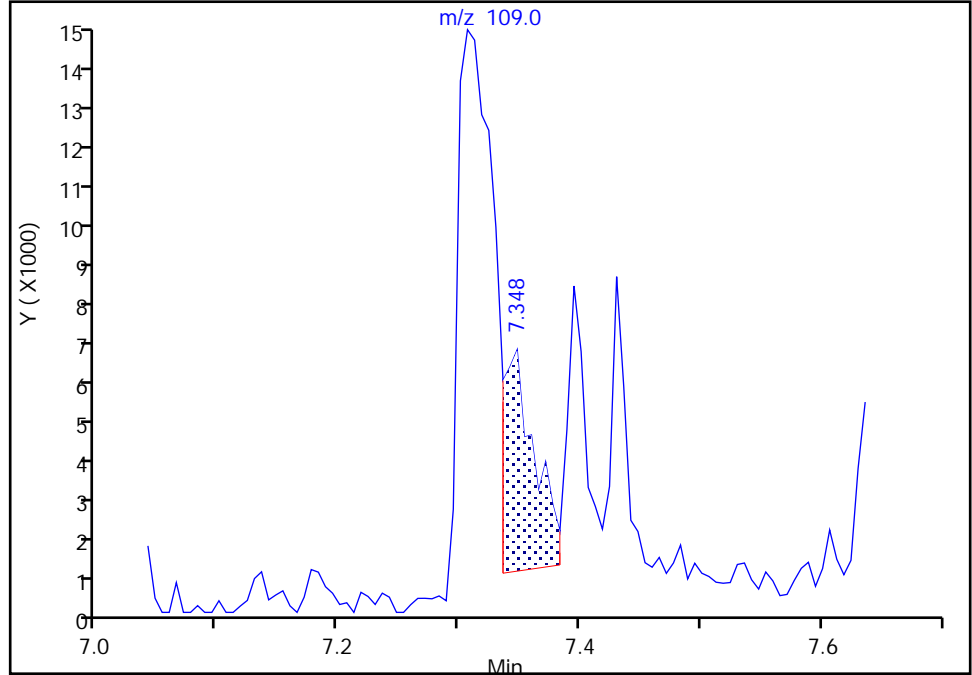
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a018.D
Injection Date: 22-Mar-2022 18:36:30 Instrument ID: TAC040
Lims ID: LCS 580-384314/2-A
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 4-Nitrophenol, CAS: 100-02-7

Signal: 1

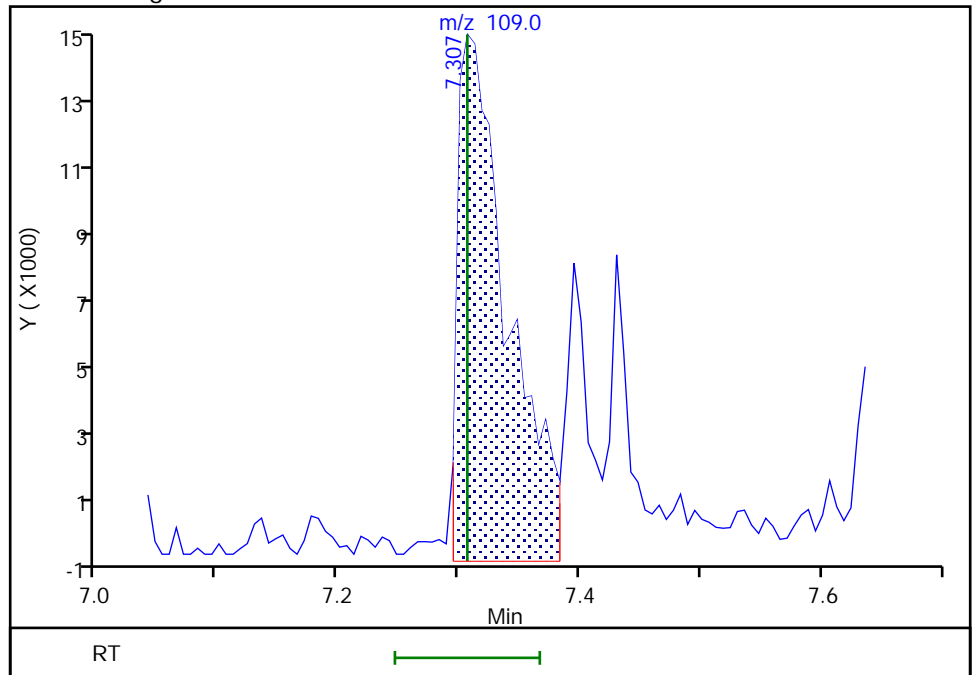
RT: 7.35
Area: 10000
Amount: 542.0880
Amount Units: ug/L

Processing Integration Results



RT: 7.31
Area: 41567
Amount: 1070.2927
Amount Units: ug/L

Manual Integration Results



Reviewer: mohammedj, 22-Mar-2022 19:54:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-384501/2-A
 Matrix: Water Lab File ID: 40Scan032322x010.D
 Analysis Method: 8270E Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/23/2022 05:37
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384789 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	1.38		0.40	0.30	0.090
95-50-1	1,2-Dichlorobenzene	1.34		0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	1.32		0.40	0.090	0.040
106-46-7	1,4-Dichlorobenzene	1.28		0.40	0.090	0.040
95-95-4	2,4,5-Trichlorophenol	1.54		0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	1.64		0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	1.68		1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	1.66	J M	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.01	J M	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	1.77		1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	1.80		0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	1.60		1.0	0.15	0.070
95-57-8	2-Chlorophenol	1.56		1.0	0.15	0.050
88-75-5	2-Nitrophenol	1.70		1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	4.47		1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	3.00		2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	1.64		0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	1.77		0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	1.73		0.60	0.15	0.050
100-02-7	4-Nitrophenol	2.78	J M	10	6.0	1.7
103-33-3	Azobenzene	1.74	J	2.0	0.15	0.060
108-60-1	bis (2-chloroisopropyl) ether	1.69		0.25	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	1.63		0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	1.55		0.10	0.090	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	2.62	J	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	1.96	J	4.0	0.60	0.27
84-66-2	Diethyl phthalate	1.79		1.0	0.30	0.15
131-11-3	Dimethyl phthalate	1.82		0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	1.89	J	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	1.83		1.0	0.30	0.13
118-74-1	Hexachlorobenzene	1.60		0.60	0.090	0.040
87-68-3	Hexachlorobutadiene	1.26		1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	1.49		1.0	0.30	0.14
67-72-1	Hexachloroethane	1.27		1.0	0.15	0.050

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-384501/2-A
 Matrix: Water Lab File ID: 40Scan032322x010.D
 Analysis Method: 8270E Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/23/2022 05:37
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384789 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	1.72		0.40	0.30	0.10
15831-10-4	m+p-Cresol	1.48		0.60	0.30	0.10
98-95-3	Nitrobenzene	1.61		1.0	0.090	0.040
62-75-9	N-Nitrosodimethylamine	1.30	J	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	1.60		0.40	0.090	0.060
86-30-6	N-Nitrosodiphenylamine	1.67		1.0	0.15	0.070
95-48-7	o-Cresol	1.60		0.60	0.15	0.050
87-86-5	Pentachlorophenol	2.72	J	10	1.0	0.51
108-95-2	Phenol	0.894	J M	1.0	0.60	0.36
129-00-0	Pyrene	1.73		1.0	0.090	0.040
110-86-1	Pyridine	2.12	J	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	81		43-140
321-60-8	2-Fluorobiphenyl	75		44-119
367-12-4	2-Fluorophenol (Surr)	55		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	80		44-120
4165-62-2	Phenol-d5 (Surr)	41		10-120
1718-51-0	Terphenyl-d14	94		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x010.D
 Lims ID: LCS 580-384501/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 23-Mar-2022 05:37:30 ALS Bottle#: 22 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 501 lcs
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 23-Mar-2022 14:27:27 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1607

First Level Reviewer: limmere

Date: 23-Mar-2022 14:27:27

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	93	17966	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	68249	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	88	33287	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.372	-0.001	96	57400	100.0	100.0	
* 5 Chrysene-d12	240	10.571	10.571	0.000	58	51947	100.0	100.0	
* 6 Perylene-d12	264	12.083	12.089	-0.006	93	60841	100.0	100.0	
\$ 7 2-Fluorophenol	112	3.659	3.659	0.000	94	130224	1000.0	546.3	
\$ 8 Phenol-d5	99	4.448	4.442	0.006	0	119097	1000.0	413.9	
\$ 9 Nitrobenzene-d5	82	5.136	5.136	0.000	94	222286	1000.0	802.7	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	99	331826	1000.0	749.9	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	93	80796	1000.0	806.7	
\$ 12 Terphenyl-d14	244	9.689	9.689	0.000	96	426232	1000.0	937.8	
15 N-Nitrosodimethylamine	74	2.483	2.483	0.000	83	105211	1000.0	651.6	
16 Pyridine	79	2.499	2.563	0.000	88	281041	2000.0	1057.8	
17 Aniline	93	4.430	4.425	0.005	95	275229	1000.0	752.4	
18 Phenol	94	4.460	4.460	0.006	89	145785	1000.0	446.8	M
19 Bis(2-chloroethyl)ether	93	4.489	4.489	0.000	84	182096	1000.0	775.1	
20 2-Chlorophenol	128	4.530	4.531	-0.001	94	190940	1000.0	782.0	
21 n-Decane	57	4.572	4.566	0.006	94	215797	1000.0	707.5	
22 1,3-Dichlorobenzene	146	4.642	4.636	0.006	97	180587	1000.0	659.8	
23 1,4-Dichlorobenzene	146	4.701	4.701	0.000	89	180800	1000.0	641.7	
27 Benzyl alcohol	79	4.819	4.819	0.000	53	96797	1000.0	541.5	M
24 1,2-Dichlorobenzene	146	4.824	4.819	0.005	94	178438	1000.0	671.1	
25 2,2'-oxybis[1-chloropropane]	45	4.924	4.925	-0.001	80	373695	1000.0	844.3	
28 2-Methylphenol	108	4.936	4.931	0.005	94	181050	1000.0	799.0	
29 Acetophenone	105	5.019	5.019	0.000	84	268940	1000.0	810.8	
30 N-Nitrosodi-n-propylamine	70	5.024	5.025	-0.001	92	170029	1000.0	801.6	
32 3 & 4 Methylphenol	108	5.066	5.060	0.006	0	165869	1000.0	738.9	
31 Hexachloroethane	117	5.095	5.095	0.000	97	78895	1000.0	633.3	
33 Nitrobenzene	77	5.154	5.154	0.000	93	233498	1000.0	805.0	
34 Isophorone	82	5.354	5.354	0.000	98	412034	1000.0	858.1	
35 2-Nitrophenol	139	5.413	5.413	0.000	91	94471	1000.0	850.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 2,4-Dimethylphenol	107	5.477	5.477	-0.001	96	194157	1000.0	831.1	M
38 Bis(2-chloroethoxy)methane	93	5.542	5.536	0.006	92	236099	1000.0	813.7	
36 Benzoic acid	105	5.548	5.548	-0.006	34	51443	2000.0	649.1	a
39 2,4-Dichlorophenol	162	5.636	5.636	0.000	97	139913	1000.0	838.3	
40 1,2,4-Trichlorobenzene	180	5.677	5.677	-0.001	92	147789	1000.0	688.0	
41 Naphthalene	128	5.736	5.736	0.000	98	530953	1000.0	765.6	
43 4-Chloroaniline	127	5.795	5.795	0.000	75	181799	1000.0	820.4	
42 2,6-Dichlorophenol	162	5.801	5.801	0.000	76	145880	1000.0	898.3	
44 Hexachlorobutadiene	225	5.842	5.842	0.000	93	79062	1000.0	631.2	
45 4-Chloro-3-methylphenol	107	6.230	6.230	0.000	93	154172	1000.0	884.2	
46 2-Methylnaphthalene	142	6.307	6.301	0.006	82	329422	1000.0	766.9	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	90	312554	1000.0	749.3	
48 Hexachlorocyclopentadiene	237	6.436	6.430	0.006	76	87183	1000.0	746.3	
49 1,2,4,5-Tetrachlorobenzene	216	6.442	6.442	0.000	97	150447	1000.0	730.7	
50 2,4,6-Trichlorophenol	196	6.554	6.548	0.006	93	93790	1000.0	819.3	
51 2,4,5-Trichlorophenol	196	6.607	6.607	0.000	61	99559	1000.0	768.7	
52 1,1'-Biphenyl	154	6.689	6.689	0.000	98	392874	1000.0	824.1	
53 2-Chloronaphthalene	162	6.701	6.701	0.000	97	311485	1000.0	801.5	
54 2-Nitroaniline	138	6.801	6.795	0.006	81	111136	1000.0	902.7	
55 Dimethyl phthalate	163	6.954	6.954	0.000	96	371742	1000.0	911.0	
56 1,3-Dinitrobenzene	168	6.971	6.980	-0.001	67	46000	1000.0	815.5	
57 2,6-Dinitrotoluene	165	6.995	6.995	0.000	65	83197	1000.0	902.1	
58 Acenaphthylene	152	7.036	7.036	0.000	96	501331	1000.0	818.3	
59 3-Nitroaniline	138	7.136	7.142	-0.006	88	78882	1000.0	941.0	
60 Acenaphthene	153	7.183	7.183	0.000	97	341706	1000.0	834.0	
69 2,4-Dinitrophenol	184	7.224	7.224	-0.001	71	42863	2000.0	1506.3	a
62 2,4-Dinitrotoluene	165	7.324	7.324	0.000	65	103486	1000.0	885.7	
61 Dibenzofuran	168	7.324	7.324	0.000	90	456054	1000.0	870.4	
63 4-Nitrophenol	109	7.360	7.360	0.000	17	66462	2000.0	1391.3	M
64 2,3,5,6-Tetrachlorophenol	232	7.407	7.407	0.000	85	70691	1000.0	766.5	
65 2,3,4,6-Tetrachlorophenol	232	7.436	7.442	-0.006	78	86614	1000.0	843.8	
66 Diethyl phthalate	149	7.530	7.530	0.000	95	390572	1000.0	893.3	
67 Fluorene	166	7.607	7.607	0.000	81	368865	1000.0	878.1	
68 4-Chlorophenyl phenyl ether	204	7.613	7.613	0.000	93	161937	1000.0	865.7	
70 4-Nitroaniline	138	7.642	7.642	0.000	28	73486	1000.0	926.3	
73 4,6-Dinitro-2-methylphenol	198	7.654	7.654	0.000	70	76109	2000.0	1501.4	
71 N-Nitrosodiphenylamine	169	7.713	7.713	0.000	65	252444	1000.0	836.9	
72 Azobenzene	77	7.742	7.742	0.000	93	500829	1000.0	868.7	
74 4-Bromophenyl phenyl ether	248	8.013	8.013	0.000	69	112586	1000.0	822.1	
75 Hexachlorobenzene	284	8.048	8.048	0.000	90	155134	1000.0	802.4	
76 Atrazine	200	8.165	8.160	0.005	84	181442	2000.0	1792.0	
77 Pentachlorophenol	266	8.230	8.230	0.000	90	102824	2000.0	1362.1	
78 n-Octadecane	43	8.313	8.313	-0.001	88	286651	1000.0	907.0	
79 Phenanthrene	178	8.389	8.389	0.000	98	537134	1000.0	858.5	
80 Anthracene	178	8.430	8.430	0.000	98	540723	1000.0	851.0	
81 Carbazole	167	8.577	8.577	0.000	79	486542	1000.0	1050.8	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	99	737503	1000.0	944.7	
84 Fluoranthene	202	9.365	9.366	-0.001	99	567207	1000.0	865.8	
85 Benzidine	184	9.495	9.501	0.000	99	167101	2000.0	1964.1	
86 Pyrene	202	9.548	9.548	0.000	95	598709	1000.0	864.8	
87 Butyl benzyl phthalate	149	10.107	10.107	-0.001	97	305592	1000.0	978.0	
91 3,3'-Dichlorobenzidine	252	10.559	10.560	-0.001	71	403959	2000.0	2234.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Benzo[a]anthracene	228	10.565	10.565	0.000	99	529588	1000.0	876.3	
90 Chrysene	228	10.595	10.601	-0.006	93	546074	1000.0	859.3	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.630	0.000	82	568076	1000.0	1311.0	
93 Di-n-octyl phthalate	149	11.295	11.289	0.006	99	710003	1000.0	916.1	
94 Benzo[b]fluoranthene	252	11.659	11.660	-0.001	95	530338	1000.0	848.0	
95 Benzofluoranthene	252	11.689	11.689	0.000	0	1162884	2000.0	1660.4	a
96 Benzo[k]fluoranthene	252	11.689	11.689	0.000	95	626343	1000.0	802.3	
97 Benzo[a]pyrene	252	12.018	12.024	-0.006	79	494603	1000.0	846.9	
98 Indeno[1,2,3-cd]pyrene	276	13.342	13.342	0.000	97	466132	1000.0	867.1	
99 Dibenz(a,h)anthracene	278	13.377	13.377	0.000	77	549243	1000.0	817.6	
100 Benzo[g,h,i]perylene	276	13.653	13.653	-0.001	91	588679	1000.0	856.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MeCl2_CT_00216

Amount Added: 1.00

Units: mL

Run Reagent

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x010.D

Injection Date: 23-Mar-2022 05:37:30

Instrument ID: TAC040

Lims ID: LCS 580-384501/2-A

Client ID:

Operator ID: jcm

ALS Bottle#: 22

Worklist Smp#: 9

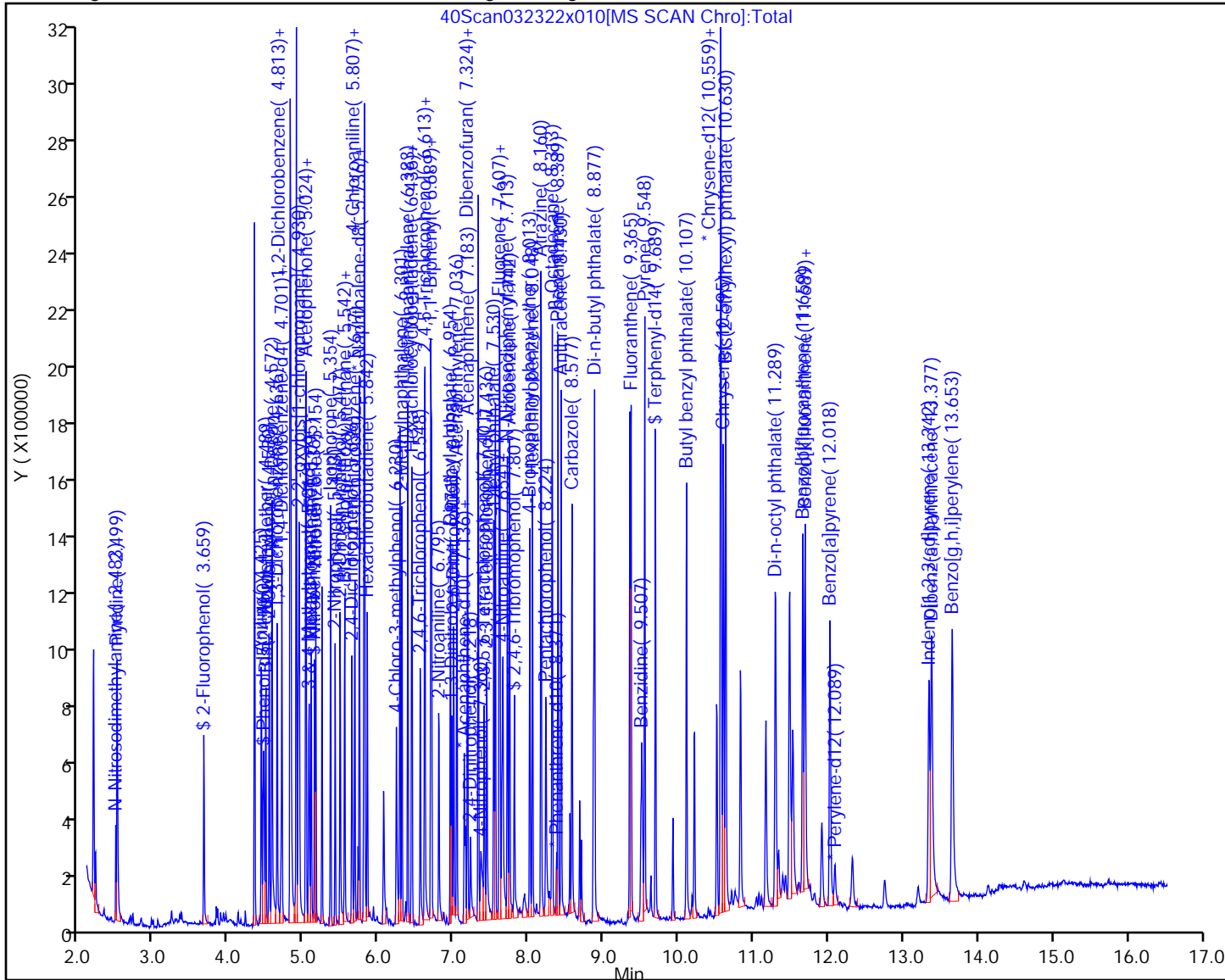
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x010.D
 Lims ID: LCS 580-384501/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 23-Mar-2022 05:37:30 ALS Bottle#: 22 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 501 lcs
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 23-Mar-2022 14:27:27 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1607

First Level Reviewer: limmere

Date: 23-Mar-2022 14:27:27

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-Fluorophenol	1000.0	546.3	54.63
\$ 8 Phenol-d5	1000.0	413.9	41.39
\$ 9 Nitrobenzene-d5	1000.0	802.7	80.27
\$ 10 2-Fluorobiphenyl	1000.0	749.9	74.99
\$ 11 2,4,6-Tribromophenol	1000.0	806.7	80.67
\$ 12 Terphenyl-d14	1000.0	937.8	93.78

Eurofins Seattle

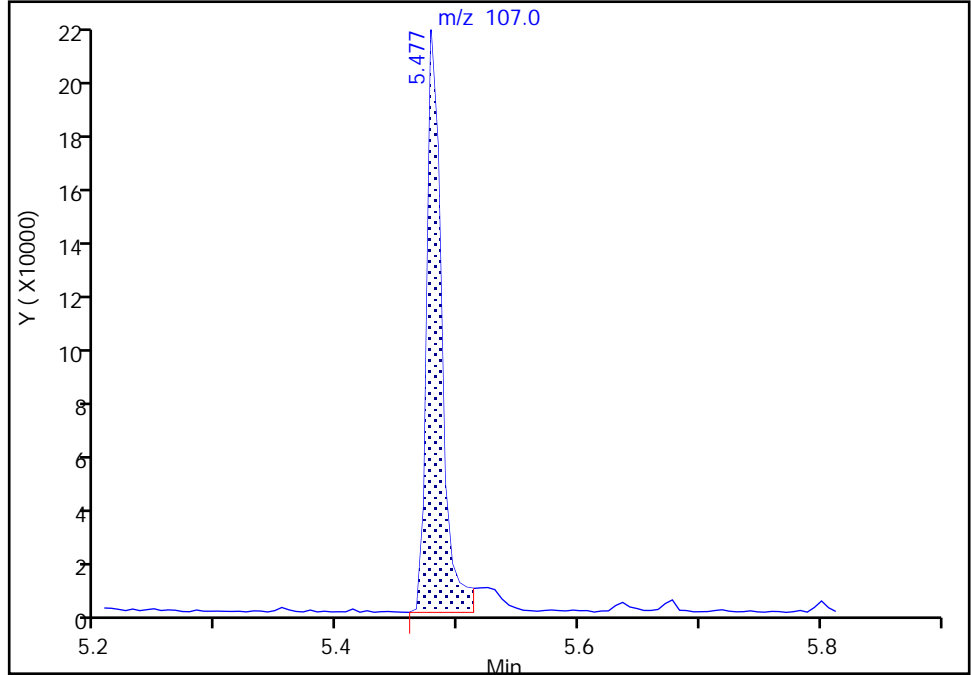
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x010.D
Injection Date: 23-Mar-2022 05:37:30 Instrument ID: TAC040
Lims ID: LCS 580-384501/2-A
Client ID:
Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

37 2,4-Dimethylphenol, CAS: 105-67-9

Signal: 1

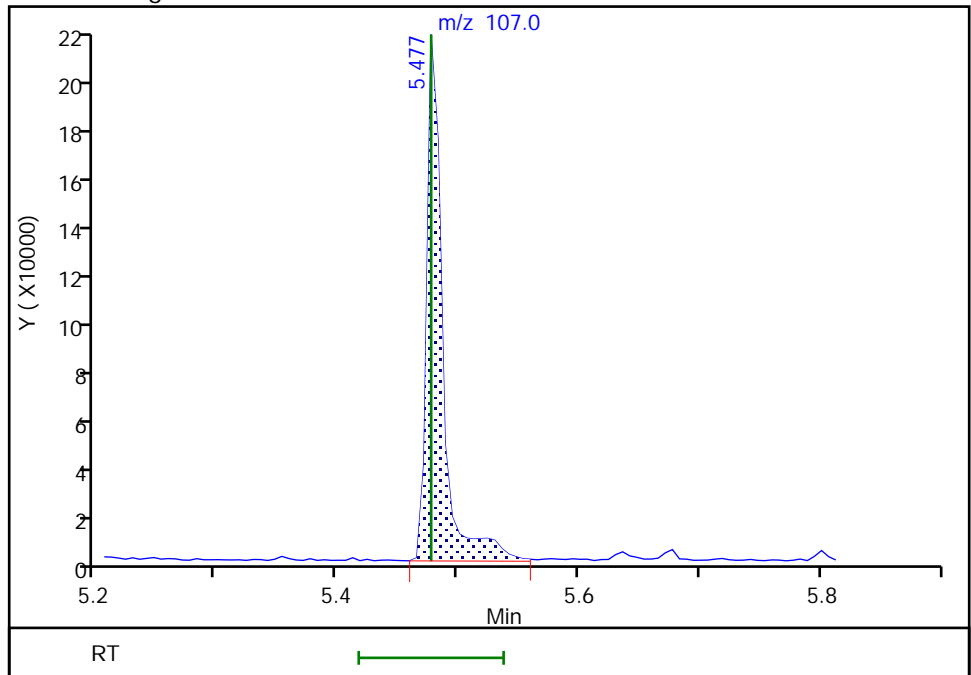
RT: 5.48
Area: 180691
Amount: 773.4880
Amount Units: ug/L

Processing Integration Results



RT: 5.48
Area: 194157
Amount: 831.1322
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 23-Mar-2022 14:25:51
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

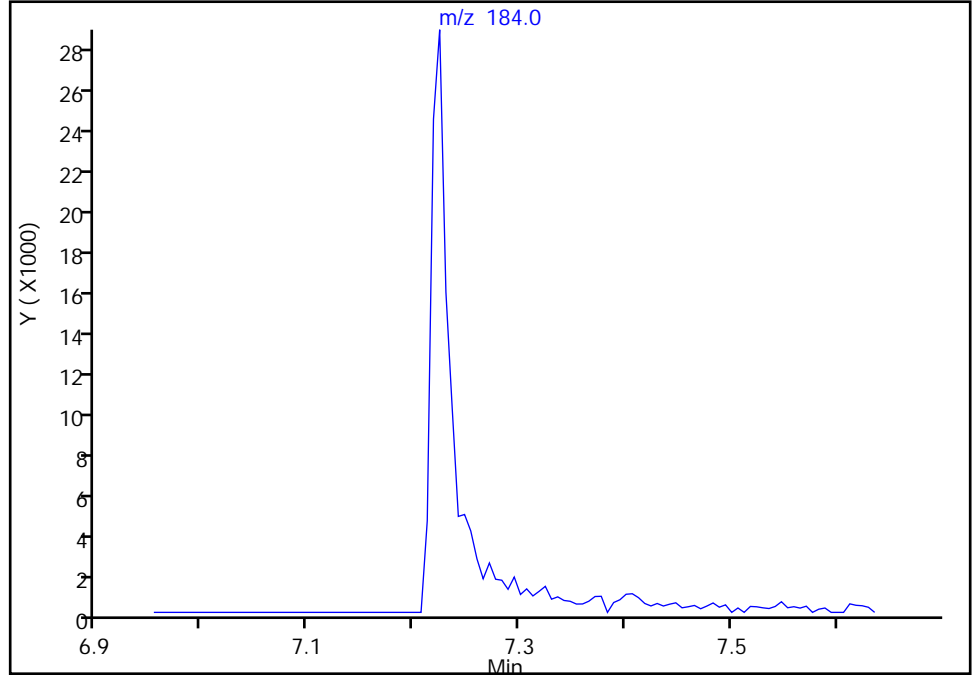
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x010.D
Injection Date: 23-Mar-2022 05:37:30 Instrument ID: TAC040
Lims ID: LCS 580-384501/2-A
Client ID:
Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

69 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

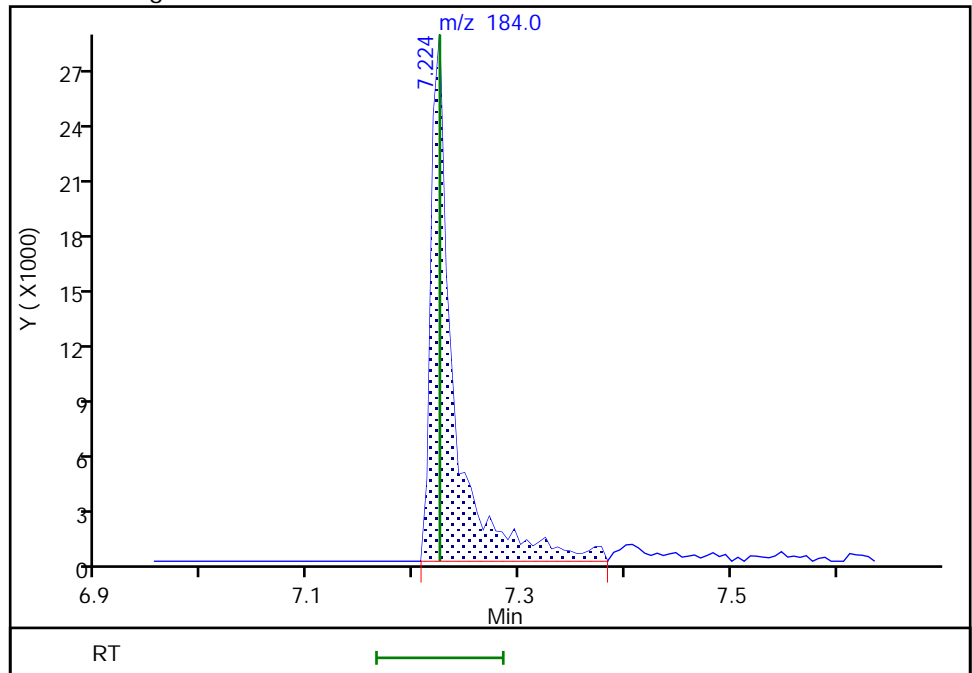
Not Detected
Expected RT: 7.22

Processing Integration Results



Manual Integration Results

RT: 7.22
Area: 42863
Amount: 1506.3191
Amount Units: ug/L



Reviewer: limmere, 23-Mar-2022 14:26:19
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle

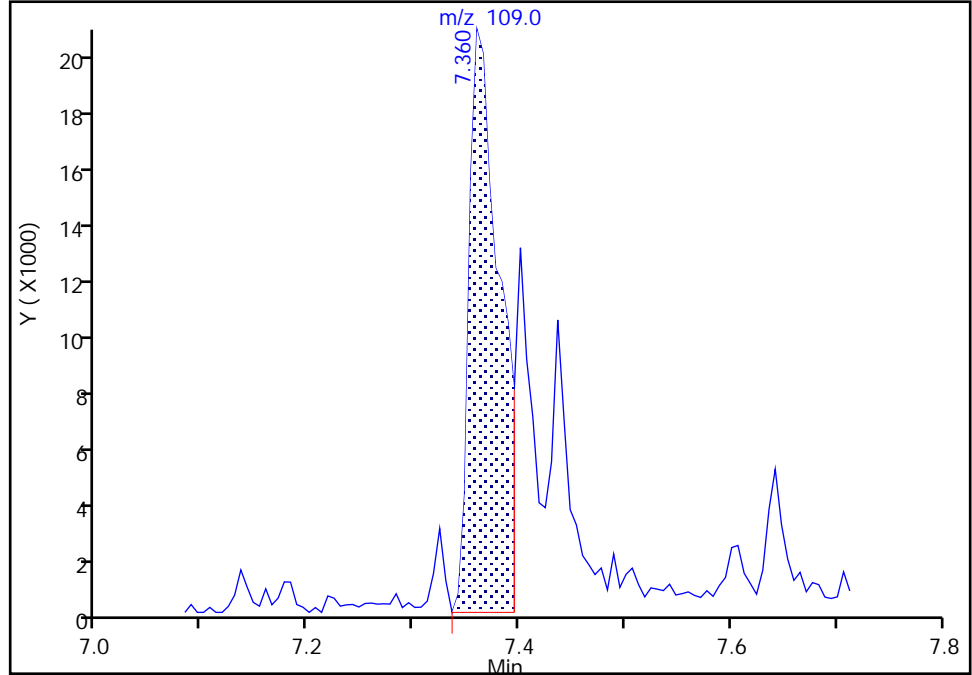
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x010.D
Injection Date: 23-Mar-2022 05:37:30 Instrument ID: TAC040
Lims ID: LCS 580-384501/2-A
Client ID:
Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 4-Nitrophenol, CAS: 100-02-7

Signal: 1

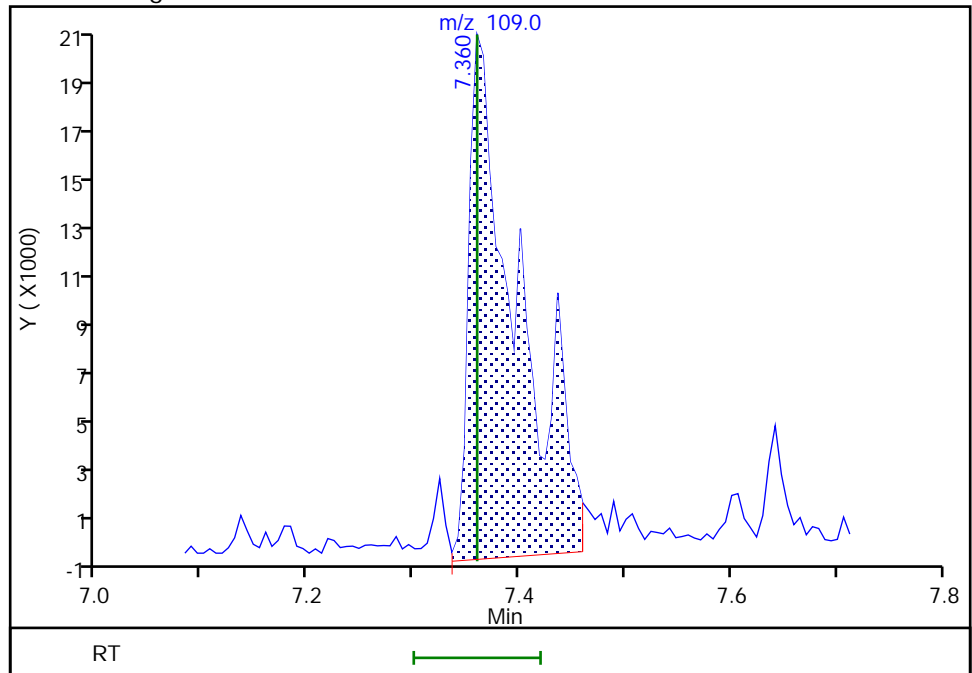
RT: 7.36
Area: 41599
Amount: 1011.0014
Amount Units: ug/L

Processing Integration Results



RT: 7.36
Area: 66462
Amount: 1391.2719
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 23-Mar-2022 14:26:39
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

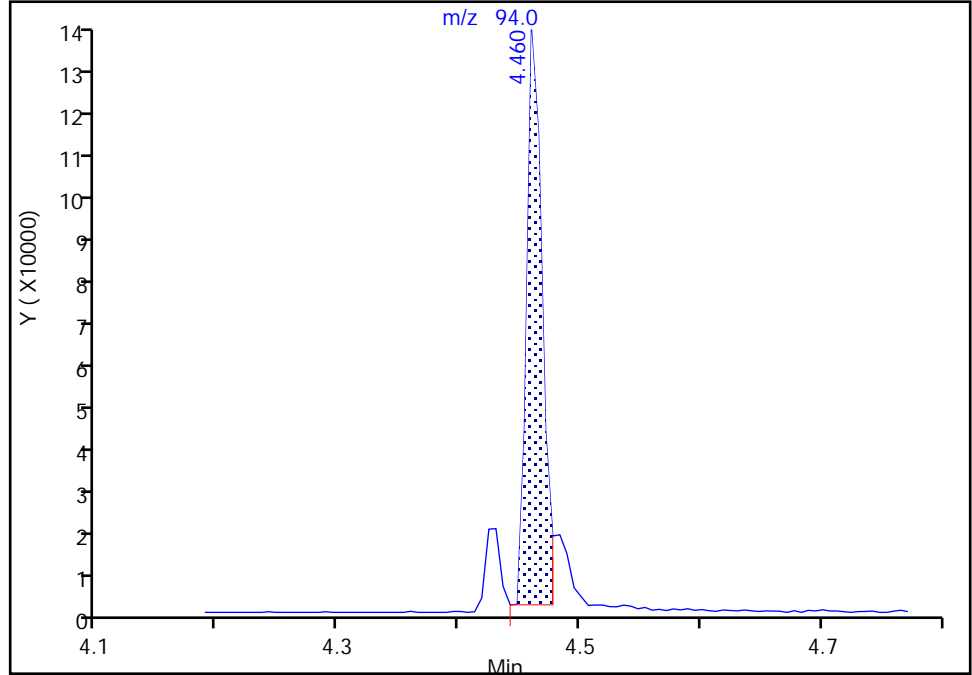
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x010.D
Injection Date: 23-Mar-2022 05:37:30 Instrument ID: TAC040
Lims ID: LCS 580-384501/2-A
Client ID:
Operator ID: jcm ALS Bottle#: 22 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

18 Phenol, CAS: 108-95-2

Signal: 1

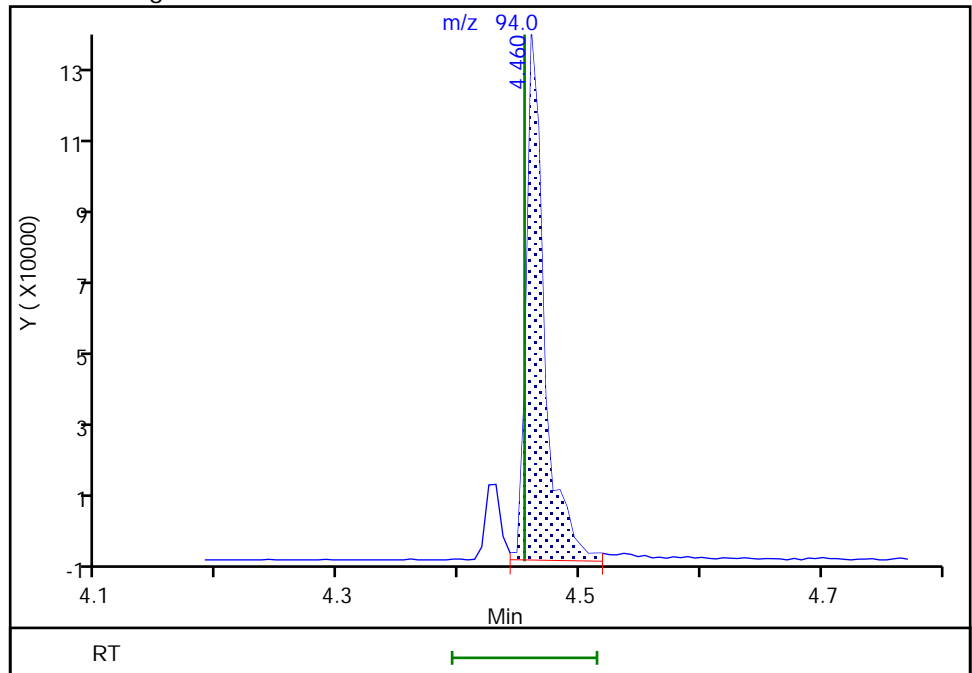
RT: 4.46
Area: 123801
Amount: 379.4409
Amount Units: ug/L

Processing Integration Results



RT: 4.46
Area: 145785
Amount: 446.8203
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 23-Mar-2022 14:25:21
Audit Action: Manually Integrated

Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-384314/3-A
 Matrix: Water Lab File ID: 40Scan032222a019.D
 Analysis Method: 8270E Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/18/2022 10:55
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/22/2022 19:00
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384624 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	1.13		0.40	0.30	0.090
95-50-1	1,2-Dichlorobenzene	1.12		0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	1.09		0.40	0.090	0.040
106-46-7	1,4-Dichlorobenzene	1.09		0.40	0.090	0.040
95-95-4	2,4,5-Trichlorophenol	1.29		0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	1.38		0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	1.63		1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	1.57	J	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.35	J M	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	1.61		1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	1.60		0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	1.38		1.0	0.15	0.070
95-57-8	2-Chlorophenol	1.59		1.0	0.15	0.050
88-75-5	2-Nitrophenol	1.73		1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	3.44	Q	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	3.24		2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	1.59		0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	1.54		0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	1.59		0.60	0.15	0.050
100-02-7	4-Nitrophenol	1.87	J	10	6.0	1.7
103-33-3	Azobenzene	1.76	J	2.0	0.15	0.060
108-60-1	bis (2-chloroisopropyl) ether	1.70		0.25	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	1.69		0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	1.56		0.10	0.090	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	2.09	J	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	1.90	J	4.0	0.60	0.27
84-66-2	Diethyl phthalate	1.78		1.0	0.30	0.15
131-11-3	Dimethyl phthalate	1.66		0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	1.88	J	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	1.68		1.0	0.30	0.13
118-74-1	Hexachlorobenzene	1.53		0.60	0.090	0.040
87-68-3	Hexachlorobutadiene	0.949	J	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.998	J	1.0	0.30	0.14
67-72-1	Hexachloroethane	1.01	Q	1.0	0.15	0.050

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-384314/3-A
 Matrix: Water Lab File ID: 40Scan032222a019.D
 Analysis Method: 8270E Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/18/2022 10:55
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/22/2022 19:00
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384624 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	1.76		0.40	0.30	0.10
15831-10-4	m+p-Cresol	1.37		0.60	0.30	0.10
98-95-3	Nitrobenzene	1.60		1.0	0.090	0.040
62-75-9	N-Nitrosodimethylamine	1.39	J	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	1.62		0.40	0.090	0.060
86-30-6	N-Nitrosodiphenylamine	1.66		1.0	0.15	0.070
95-48-7	o-Cresol	1.50		0.60	0.15	0.050
87-86-5	Pentachlorophenol	2.98	J	10	1.0	0.51
108-95-2	Phenol	0.866	J	1.0	0.60	0.36
129-00-0	Pyrene	1.76		1.0	0.090	0.040
110-86-1	Pyridine	1.25	J	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	81		43-140
321-60-8	2-Fluorobiphenyl	68		44-119
367-12-4	2-Fluorophenol (Surr)	54		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	78		44-120
4165-62-2	Phenol-d5 (Surr)	38		10-120
1718-51-0	Terphenyl-d14	97		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a019.D
 Lims ID: LCSD 580-384314/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 22-Mar-2022 19:00:30 ALS Bottle#: 17 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: LCSD 580-384314/3-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 22-Mar-2022 19:55:53 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1665

First Level Reviewer: mohammedj

Date: 22-Mar-2022 19:55:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	95	15801	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	62433	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	68	32603	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.371	0.000	96	53124	100.0	100.0	
* 5 Chrysene-d12	240	10.577	10.577	0.000	74	50232	100.0	100.0	
* 6 Perylene-d12	264	12.089	12.089	0.000	92	55618	100.0	100.0	
\$ 7 2-Fluorophenol	112	3.638	3.633	0.005	94	113708	1000.0	542.4	
\$ 8 Phenol-d5	99	4.413	4.413	0.000	0	96119	1000.0	379.8	
\$ 9 Nitrobenzene-d5	82	5.142	5.136	0.006	91	196344	1000.0	775.1	
\$ 10 2-Fluorobiphenyl	172	6.613	6.618	0.000	98	293117	1000.0	676.3	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	86	74641	1000.0	805.2	
\$ 12 Terphenyl-d14	244	9.695	9.695	0.000	97	410124	1000.0	975.0	
15 N-Nitrosodimethylamine	74	2.483	2.477	0.006	88	98394	1000.0	692.9	
16 Pyridine	79	2.504	2.493	0.011	91	147041	2000.0	626.8	
17 Aniline	93	4.425	4.425	0.000	80	225365	1000.0	700.6	
18 Phenol	94	4.425	4.425	0.000	67	124255	1000.0	433.0	
19 Bis(2-chloroethyl)ether	93	4.489	4.489	0.000	87	161058	1000.0	779.5	
20 2-Chlorophenol	128	4.519	4.519	0.000	94	171136	1000.0	797.0	
21 n-Decane	57	4.572	4.572	0.000	94	166556	1000.0	619.0	
22 1,3-Dichlorobenzene	146	4.642	4.637	0.006	96	131181	1000.0	544.9	
23 1,4-Dichlorobenzene	146	4.701	4.701	0.000	89	134838	1000.0	544.2	
27 Benzyl alcohol	79	4.813	4.813	0.000	55	79489	1000.0	508.7	
24 1,2-Dichlorobenzene	146	4.824	4.819	0.005	92	130736	1000.0	559.1	
28 2-Methylphenol	108	4.913	4.913	0.000	72	149029	1000.0	747.8	
25 2,2'-oxybis[1-chloropropane]	45	4.924	4.925	0.000	81	331072	1000.0	850.4	
29 Acetophenone	105	5.019	5.019	0.000	84	240298	1000.0	823.8	
30 N-Nitrosodi-n-propylamine	70	5.024	5.025	0.000	92	150887	1000.0	808.8	
32 3 & 4 Methylphenol	108	5.042	5.042	0.000	0	134794	1000.0	682.8	
31 Hexachloroethane	117	5.095	5.095	0.000	90	55584	1000.0	507.3	
33 Nitrobenzene	77	5.154	5.154	0.000	93	203621	1000.0	798.2	
34 Isophorone	82	5.354	5.354	0.000	98	371567	1000.0	879.9	
35 2-Nitrophenol	139	5.413	5.413	0.000	88	84553	1000.0	865.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 2,4-Dimethylphenol	107	5.466	5.466	0.000	96	168258	1000.0	787.4	
36 Benzoic acid	105	5.519	5.519	-0.011	84	73756	2000.0	913.2	Ma
38 Bis(2-chloroethoxy)methane	93	5.542	5.542	0.000	89	215786	1000.0	845.6	
39 2,4-Dichlorophenol	162	5.619	5.619	0.000	96	124190	1000.0	813.4	
40 1,2,4-Trichlorobenzene	180	5.677	5.678	0.000	89	110654	1000.0	563.1	
41 Naphthalene	128	5.736	5.736	0.000	97	438990	1000.0	691.9	
43 4-Chloroaniline	127	5.795	5.795	0.000	71	154988	1000.0	764.6	
42 2,6-Dichlorophenol	162	5.795	5.800	0.000	81	126026	1000.0	792.3	
44 Hexachlorobutadiene	225	5.842	5.842	0.000	92	54395	1000.0	474.7	
45 4-Chloro-3-methylphenol	107	6.207	6.207	0.000	92	130569	1000.0	768.1	
46 2-Methylnaphthalene	142	6.307	6.307	0.000	84	272619	1000.0	693.8	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	91	261865	1000.0	686.3	
48 Hexachlorocyclopentadiene	237	6.436	6.442	0.000	78	57122	1000.0	499.2	
49 1,2,4,5-Tetrachlorobenzene	216	6.442	6.448	0.000	96	118113	1000.0	585.7	
50 2,4,6-Trichlorophenol	196	6.542	6.548	0.000	94	76842	1000.0	688.6	
51 2,4,5-Trichlorophenol	196	6.577	6.583	0.000	91	81495	1000.0	645.5	
52 1,1'-Biphenyl	154	6.689	6.695	0.000	97	336518	1000.0	720.7	
53 2-Chloronaphthalene	162	6.701	6.707	0.000	98	262553	1000.0	689.8	
54 2-Nitroaniline	138	6.795	6.801	0.000	78	96707	1000.0	804.6	
55 Dimethyl phthalate	163	6.954	6.960	0.000	96	332674	1000.0	832.4	
56 1,3-Dinitrobenzene	168	6.971	6.972	0.000	55	41275	1000.0	831.3	
57 2,6-Dinitrotoluene	165	6.995	7.007	-0.006	66	72060	1000.0	799.4	
58 Acenaphthylene	152	7.036	7.048	-0.006	91	460803	1000.0	767.9	
59 3-Nitroaniline	138	7.136	7.142	0.000	89	73472	1000.0	895.8	
60 Acenaphthene	153	7.183	7.189	0.000	97	307236	1000.0	765.6	
69 2,4-Dinitrophenol	184	7.218	7.218	0.000	65	50916	2000.0	1674.4	a
63 4-Nitrophenol	109	7.313	7.307	0.006	89	35981	2000.0	936.6	
61 Dibenzofuran	168	7.324	7.331	0.000	87	405947	1000.0	791.0	
62 2,4-Dinitrotoluene	165	7.324	7.331	0.000	67	91953	1000.0	806.5	
64 2,3,5,6-Tetrachlorophenol	232	7.395	7.407	-0.006	87	68522	1000.0	759.1	
65 2,3,4,6-Tetrachlorophenol	232	7.430	7.442	-0.006	77	83585	1000.0	831.7	
66 Diethyl phthalate	149	7.530	7.543	-0.006	95	381819	1000.0	891.6	
67 Fluorene	166	7.607	7.613	0.000	81	334432	1000.0	812.9	
68 4-Chlorophenyl phenyl ether	204	7.613	7.625	-0.005	92	145932	1000.0	796.5	
70 4-Nitroaniline	138	7.636	7.643	0.000	28	80440	1000.0	1035.2	
73 4,6-Dinitro-2-methylphenol	198	7.654	7.654	0.000	65	77053	2000.0	1621.1	
71 N-Nitrosodiphenylamine	169	7.713	7.713	0.000	67	232062	1000.0	831.2	
72 Azobenzene	77	7.742	7.742	0.000	93	469439	1000.0	879.8	
74 4-Bromophenyl phenyl ether	248	8.013	8.019	-0.005	75	100900	1000.0	796.1	
75 Hexachlorobenzene	284	8.048	8.054	-0.006	89	136949	1000.0	765.5	
76 Atrazine	200	8.165	8.172	0.000	84	168062	2000.0	1694.8	
77 Pentachlorophenol	266	8.224	8.225	0.000	92	105739	2000.0	1489.8	
78 n-Octadecane	43	8.313	8.313	-0.001	89	257550	1000.0	880.5	
79 Phenanthrene	178	8.389	8.389	0.000	98	490675	1000.0	847.3	
80 Anthracene	178	8.430	8.430	0.000	98	479884	1000.0	816.1	
81 Carbazole	167	8.571	8.577	-0.006	83	469968	1000.0	1100.6	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	98	677777	1000.0	938.1	
84 Fluoranthene	202	9.365	9.366	0.000	99	539768	1000.0	890.2	
85 Benzidine	184	9.501	9.495	0.006	38	5734	2000.0	15.6	
86 Pyrene	202	9.548	9.548	0.000	95	562612	1000.0	878.1	
87 Butyl benzyl phthalate	149	10.107	10.101	-0.001	96	286443	1000.0	948.0	
91 3,3'-Dichlorobenzidine	252	10.559	10.554	0.000	64	301009	2000.0	1721.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Benzo[a]anthracene	228	10.565	10.560	0.000	99	485745	1000.0	831.2	
90 Chrysene	228	10.601	10.595	0.000	93	498617	1000.0	811.4	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.624	0.000	81	438346	1000.0	1046.1	
93 Di-n-octyl phthalate	149	11.295	11.295	0.000	99	594020	1000.0	840.4	
94 Benzo[b]fluoranthene	252	11.659	11.660	0.000	94	521869	1000.0	912.8	
95 Benzofluoranthene	252	11.689	11.689	0.000	0	1079169	2000.0	1685.6	
96 Benzo[k]fluoranthene	252	11.689	11.689	0.000	97	564293	1000.0	790.7	
97 Benzo[a]pyrene	252	12.024	12.024	0.000	79	464967	1000.0	870.9	
98 Indeno[1,2,3-cd]pyrene	276	13.342	13.342	0.000	94	443172	1000.0	899.7	
99 Dibenz(a,h)anthracene	278	13.377	13.377	0.000	68	500571	1000.0	815.1	
100 Benzo[g,h,i]perylene	276	13.653	13.654	0.000	94	569804	1000.0	906.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MeCl2_CT_00216

Amount Added: 1.00

Units: mL

Run Reagent

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a019.D

Injection Date: 22-Mar-2022 19:00:30

Instrument ID: TAC040

Lims ID: LCSD 580-384314/3-A

Client ID:

Operator ID: jcm

ALS Bottle#: 17

Worklist Smp#: 18

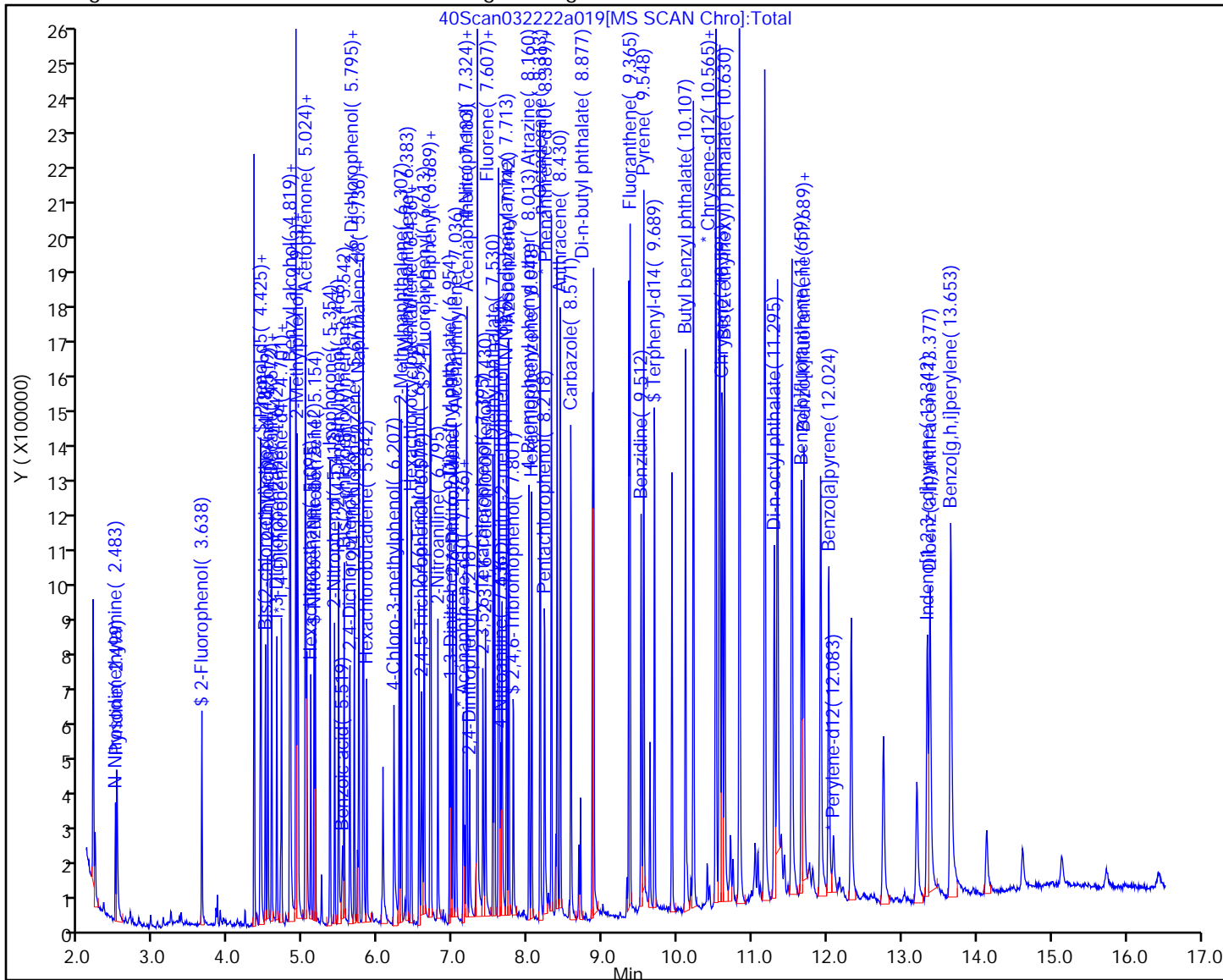
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a019.D
 Lims ID: LCSD 580-384314/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 22-Mar-2022 19:00:30 ALS Bottle#: 17 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: LCSD 580-384314/3-A
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 22-Mar-2022 19:55:53 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1665

First Level Reviewer: mohammedj

Date: 22-Mar-2022 19:55:53

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-Fluorophenol	1000.0	542.4	54.24
\$ 8 Phenol-d5	1000.0	379.8	37.98
\$ 9 Nitrobenzene-d5	1000.0	775.1	77.51
\$ 10 2-Fluorobiphenyl	1000.0	676.3	67.63
\$ 11 2,4,6-Tribromophenol	1000.0	805.2	80.52
\$ 12 Terphenyl-d14	1000.0	975.0	97.50

Eurofins Seattle

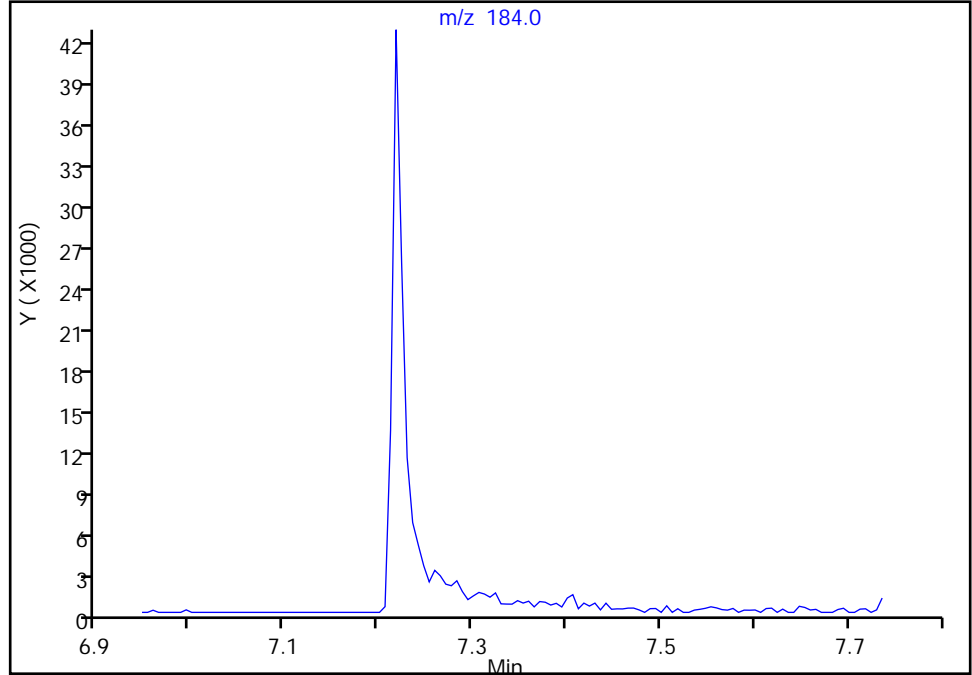
Data File: \\chromfs\Seattle\ChromData\TAC040\20220322-81863.b\40Scan032222a019.D
Injection Date: 22-Mar-2022 19:00:30 Instrument ID: TAC040
Lims ID: LCSD 580-384314/3-A
Client ID:
Operator ID: jcm ALS Bottle#: 17 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

69 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

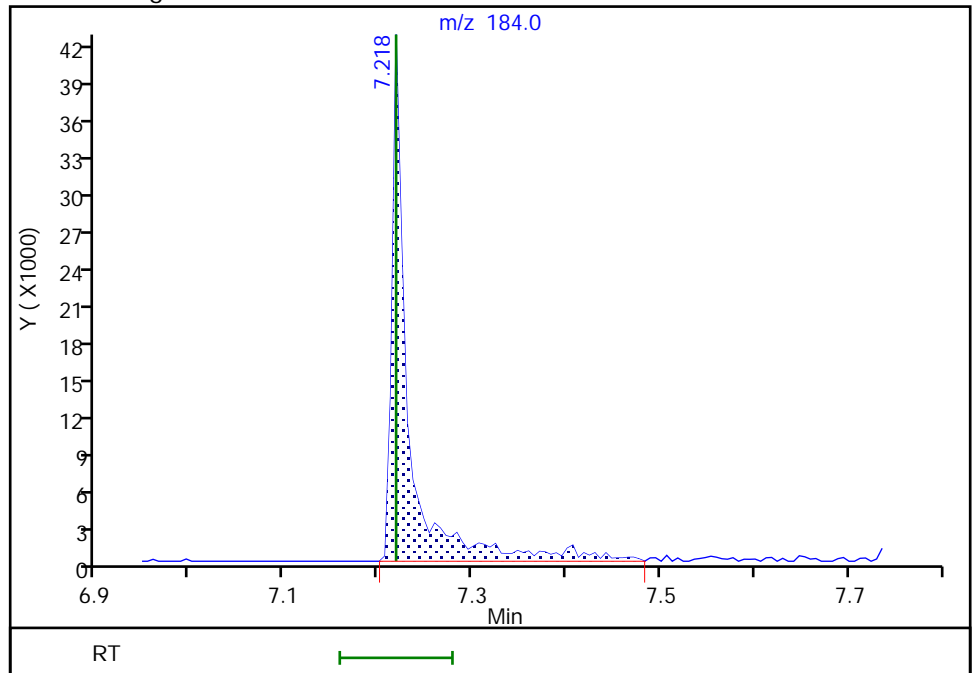
Not Detected
Expected RT: 7.22

Processing Integration Results



Manual Integration Results

RT: 7.22
Area: 50916
Amount: 1674.3729
Amount Units: ug/L



Reviewer: mohammedj, 22-Mar-2022 19:55:42
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-384501/3-A
 Matrix: Water Lab File ID: 40Scan032322x011.D
 Analysis Method: 8270E Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/23/2022 06:00
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384789 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	1.21		0.40	0.30	0.090
95-50-1	1,2-Dichlorobenzene	1.14		0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	1.06	Q	0.40	0.090	0.040
106-46-7	1,4-Dichlorobenzene	1.08		0.40	0.090	0.040
95-95-4	2,4,5-Trichlorophenol	1.46		0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	1.38		0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	1.45		1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	1.48	J	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	1.66	J M Q	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	1.68		1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	1.68		0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	1.53		1.0	0.15	0.070
95-57-8	2-Chlorophenol	1.27		1.0	0.15	0.050
88-75-5	2-Nitrophenol	1.24	Q	1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	4.10		1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.34	J Q	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	1.54		0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	1.66		0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	1.70		0.60	0.15	0.050
100-02-7	4-Nitrophenol	6.0	U Q	10	6.0	1.7
103-33-3	Azobenzene	1.67	J	2.0	0.15	0.060
108-60-1	bis (2-chloroisopropyl) ether	1.52		0.25	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	1.55		0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	1.49		0.10	0.090	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	3.27	Q	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	2.10	J	4.0	0.60	0.27
84-66-2	Diethyl phthalate	1.91		1.0	0.30	0.15
131-11-3	Dimethyl phthalate	1.83		0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	2.11	J	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	2.01		1.0	0.30	0.13
118-74-1	Hexachlorobenzene	1.47		0.60	0.090	0.040
87-68-3	Hexachlorobutadiene	1.01	Q	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	1.18	Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	1.02	Q	1.0	0.15	0.050

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-384501/3-A
 Matrix: Water Lab File ID: 40Scan032322x011.D
 Analysis Method: 8270E Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/23/2022 06:00
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384789 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
78-59-1	Isophorone	1.61		0.40	0.30	0.10
15831-10-4	m+p-Cresol	1.45		0.60	0.30	0.10
98-95-3	Nitrobenzene	1.50		1.0	0.090	0.040
62-75-9	N-Nitrosodimethylamine	1.24	J	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	1.51		0.40	0.090	0.060
86-30-6	N-Nitrosodiphenylamine	1.57		1.0	0.15	0.070
95-48-7	o-Cresol	1.52		0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.98	J Q	10	1.0	0.51
108-95-2	Phenol	0.767	J M	1.0	0.60	0.36
129-00-0	Pyrene	1.72		1.0	0.090	0.040
110-86-1	Pyridine	1.42	J Q	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	74		43-140
321-60-8	2-Fluorobiphenyl	74		44-119
367-12-4	2-Fluorophenol (Surr)	44		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	76		44-120
4165-62-2	Phenol-d5 (Surr)	36		10-120
1718-51-0	Terphenyl-d14	93		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x011.D
 Lims ID: LCSD 580-384501/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 23-Mar-2022 06:00:30 ALS Bottle#: 23 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 501 lcsd
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 23-Mar-2022 14:29:04 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1607

First Level Reviewer: limmere

Date: 23-Mar-2022 14:29:04

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.689	4.689	0.000	94	18680	100.0	100.0	
* 2 Naphthalene-d8	136	5.719	5.719	0.000	98	67872	100.0	100.0	
* 3 Acenaphthene-d10	164	7.154	7.154	0.000	84	33347	100.0	100.0	
* 4 Phenanthrene-d10	188	8.371	8.372	-0.001	96	59909	100.0	100.0	
* 5 Chrysene-d12	240	10.571	10.571	0.000	58	50494	100.0	100.0	
* 6 Perylene-d12	264	12.089	12.089	0.000	94	59018	100.0	100.0	
\$ 7 2-Fluorophenol	112	3.659	3.659	0.000	94	107914	1000.0	435.4	
\$ 8 Phenol-d5	99	4.454	4.442	0.012	0	106901	1000.0	357.3	
\$ 9 Nitrobenzene-d5	82	5.136	5.136	0.000	94	208155	1000.0	755.9	
\$ 10 2-Fluorobiphenyl	172	6.613	6.613	0.000	99	328708	1000.0	741.5	
\$ 11 2,4,6-Tribromophenol	330	7.807	7.807	0.000	94	76755	1000.0	736.4	
\$ 12 Terphenyl-d14	244	9.689	9.689	0.000	96	439111	1000.0	925.7	
15 N-Nitrosodimethylamine	74	2.483	2.483	0.000	85	103963	1000.0	619.3	
16 Pyridine	79	2.504	2.563	0.005	88	196628	2000.0	709.8	
17 Aniline	93	4.425	4.425	0.000	93	218591	1000.0	575.5	
18 Phenol	94	4.466	4.466	0.012	99	130068	1000.0	383.4	M
19 Bis(2-chloroethyl)ether	93	4.489	4.489	0.000	86	181817	1000.0	744.4	
20 2-Chlorophenol	128	4.531	4.531	0.000	92	161751	1000.0	637.2	
21 n-Decane	57	4.572	4.566	0.006	79	178225	1000.0	558.7	
22 1,3-Dichlorobenzene	146	4.642	4.636	0.006	96	150876	1000.0	530.1	
23 1,4-Dichlorobenzene	146	4.701	4.701	0.000	89	158174	1000.0	540.0	
27 Benzyl alcohol	79	4.819	4.819	0.000	62	117912	1000.0	626.6	M
24 1,2-Dichlorobenzene	146	4.819	4.819	0.000	88	157537	1000.0	569.8	
25 2,2'-oxybis[1-chloropropane]	45	4.925	4.925	0.000	80	349966	1000.0	760.4	
28 2-Methylphenol	108	4.936	4.931	0.005	94	179520	1000.0	762.0	
29 Acetophenone	105	5.019	5.019	0.000	86	265003	1000.0	768.4	
30 N-Nitrosodi-n-propylamine	70	5.025	5.025	0.000	92	165978	1000.0	752.6	
32 3 & 4 Methylphenol	108	5.066	5.060	0.006	0	169129	1000.0	724.7	
31 Hexachloroethane	117	5.095	5.095	0.000	97	65878	1000.0	508.6	
33 Nitrobenzene	77	5.154	5.154	0.000	93	225876	1000.0	749.0	
34 Isophorone	82	5.354	5.354	0.000	98	402834	1000.0	806.7	
35 2-Nitrophenol	139	5.413	5.413	0.000	91	71397	1000.0	618.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 2,4-Dimethylphenol	107	5.478	5.477	0.000	96	171739	1000.0	739.3	
38 Bis(2-chloroethoxy)methane	93	5.542	5.536	0.006	93	234002	1000.0	775.6	
36 Benzoic acid	105	5.478	5.548	-0.076	50	23517	2000.0	408.5	
39 2,4-Dichlorophenol	162	5.636	5.636	0.000	96	120427	1000.0	725.5	
40 1,2,4-Trichlorobenzene	180	5.678	5.677	0.000	93	129202	1000.0	604.8	
41 Naphthalene	128	5.736	5.736	0.000	98	496013	1000.0	719.1	
43 4-Chloroaniline	127	5.795	5.795	0.000	77	195640	1000.0	887.8	
42 2,6-Dichlorophenol	162	5.801	5.801	0.000	70	128835	1000.0	791.9	
44 Hexachlorobutadiene	225	5.842	5.842	0.000	93	62776	1000.0	503.9	
45 4-Chloro-3-methylphenol	107	6.230	6.230	0.000	95	144968	1000.0	831.5	
46 2-Methylnaphthalene	142	6.307	6.301	0.006	82	308737	1000.0	722.7	
47 1-Methylnaphthalene	142	6.383	6.383	0.000	89	298951	1000.0	720.7	
48 Hexachlorocyclopentadiene	237	6.430	6.430	0.000	85	69292	1000.0	592.1	
49 1,2,4,5-Tetrachlorobenzene	216	6.442	6.442	0.000	97	135856	1000.0	658.7	
50 2,4,6-Trichlorophenol	196	6.548	6.548	0.000	92	78942	1000.0	691.5	
51 2,4,5-Trichlorophenol	196	6.607	6.607	0.000	58	94834	1000.0	731.8	
52 1,1'-Biphenyl	154	6.689	6.689	0.000	98	376367	1000.0	788.1	
53 2-Chloronaphthalene	162	6.701	6.701	0.000	97	297345	1000.0	763.8	
54 2-Nitroaniline	138	6.801	6.795	0.006	81	113242	1000.0	917.7	
55 Dimethyl phthalate	163	6.954	6.954	0.000	96	373442	1000.0	913.5	
56 1,3-Dinitrobenzene	168	6.972	6.980	0.000	53	45742	1000.0	781.4	
57 2,6-Dinitrotoluene	165	6.995	6.995	0.000	61	77674	1000.0	841.7	
58 Acenaphthylene	152	7.036	7.036	0.000	94	501523	1000.0	817.1	
59 3-Nitroaniline	138	7.136	7.142	-0.006	88	84715	1000.0	1007.3	
60 Acenaphthene	153	7.183	7.183	0.000	97	334045	1000.0	813.8	
69 2,4-Dinitrophenol	184	7.224	7.224	-0.001	45	6218	2000.0	830.9	a
62 2,4-Dinitrotoluene	165	7.324	7.324	0.000	64	97870	1000.0	837.9	
61 Dibenzofuran	168	7.324	7.324	0.000	89	446121	1000.0	849.9	
63 4-Nitrophenol	109	7.360	7.360	0.000	1	27097	2000.0	788.5	
64 2,3,5,6-Tetrachlorophenol	232	7.407	7.407	0.000	88	58033	1000.0	636.3	
65 2,3,4,6-Tetrachlorophenol	232	7.442	7.442	0.000	71	79623	1000.0	776.0	
66 Diethyl phthalate	149	7.530	7.530	0.000	95	417272	1000.0	952.7	
67 Fluorene	166	7.607	7.607	0.000	81	358901	1000.0	852.9	
68 4-Chlorophenyl phenyl ether	204	7.613	7.613	0.000	94	159209	1000.0	849.6	
70 4-Nitroaniline	138	7.642	7.642	0.000	60	84951	1000.0	1068.9	
73 4,6-Dinitro-2-methylphenol	198	7.654	7.654	0.000	64	27544	2000.0	668.7	
71 N-Nitrosodiphenylamine	169	7.713	7.713	0.000	67	247928	1000.0	787.5	
72 Azobenzene	77	7.742	7.742	0.000	93	501522	1000.0	833.5	
74 4-Bromophenyl phenyl ether	248	8.013	8.013	0.000	73	110087	1000.0	770.2	
75 Hexachlorobenzene	284	8.048	8.048	0.000	89	148787	1000.0	737.5	
76 Atrazine	200	8.166	8.160	0.006	84	185807	2000.0	1831.7	
77 Pentachlorophenol	266	8.230	8.230	0.000	87	72417	2000.0	988.4	
78 n-Octadecane	43	8.313	8.313	0.000	89	314358	1000.0	953.0	
79 Phenanthrene	178	8.389	8.389	0.000	98	537743	1000.0	823.4	
80 Anthracene	178	8.430	8.430	0.000	98	534205	1000.0	805.6	
81 Carbazole	167	8.577	8.577	0.000	78	520971	1000.0	1080.3	
83 Di-n-butyl phthalate	149	8.877	8.877	0.000	99	857817	1000.0	1052.8	
84 Fluoranthene	202	9.366	9.366	0.000	99	588887	1000.0	861.2	
85 Benzidine	184	9.501	9.501	0.006	71	44144	2000.0	542.4	
86 Pyrene	202	9.548	9.548	0.000	95	620888	1000.0	859.3	
87 Butyl benzyl phthalate	149	10.107	10.107	0.000	96	319151	1000.0	1050.8	
91 3,3'-Dichlorobenzidine	252	10.560	10.560	0.000	63	360450	2000.0	2050.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Benzo[a]anthracene	228	10.565	10.565	0.000	98	542588	1000.0	923.7	
90 Chrysene	228	10.595	10.601	-0.006	91	559152	1000.0	905.2	
92 Bis(2-ethylhexyl) phthalate	149	10.630	10.630	0.000	82	687769	1000.0	1632.9	
93 Di-n-octyl phthalate	149	11.295	11.289	0.006	98	759058	1000.0	1007.3	
94 Benzo[b]fluoranthene	252	11.659	11.660	-0.001	96	542908	1000.0	894.9	
95 Benzofluoranthene	252	11.689	11.689	0.000	0	1212337	2000.0	1784.5	
96 Benzo[k]fluoranthene	252	11.689	11.689	0.000	93	683658	1000.0	902.8	
97 Benzo[a]pyrene	252	12.018	12.024	-0.006	80	505441	1000.0	892.2	
98 Indeno[1,2,3-cd]pyrene	276	13.342	13.342	0.000	97	490864	1000.0	936.7	
99 Dibenz(a,h)anthracene	278	13.377	13.377	0.000	83	575084	1000.0	881.4	
100 Benzo[g,h,i]perylene	276	13.653	13.653	-0.001	89	629972	1000.0	944.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MeCl2_CT_00216

Amount Added: 1.00

Units: mL

Run Reagent

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x011.D

Injection Date: 23-Mar-2022 06:00:30

Instrument ID: TAC040

Lims ID: LCSD 580-384501/3-A

Client ID:

Operator ID: jcm

ALS Bottle#: 23

Worklist Smp#: 10

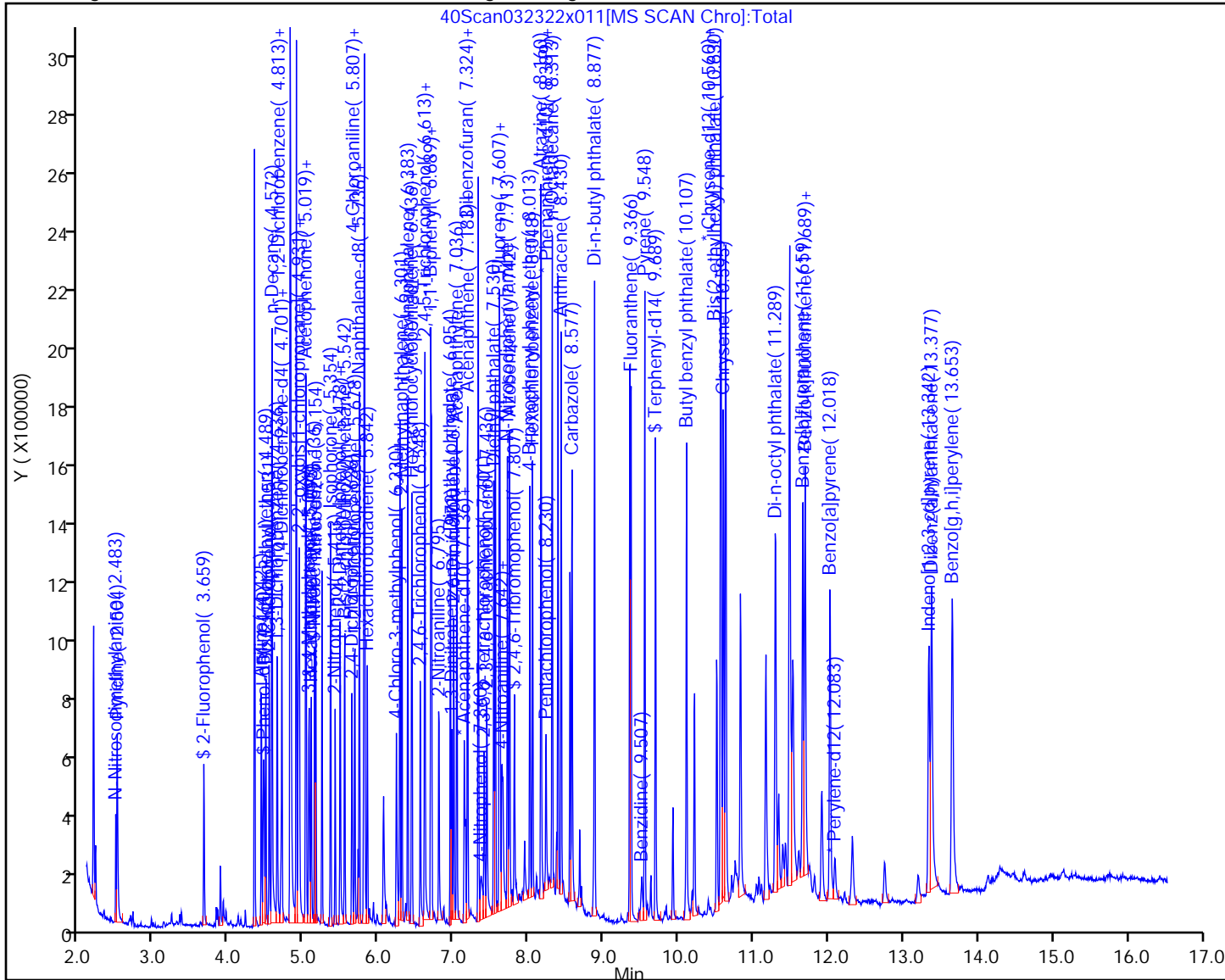
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270TAC040

Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x011.D
 Lims ID: LCSD 580-384501/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 23-Mar-2022 06:00:30 ALS Bottle#: 23 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 501 lcsd
 Operator ID: jcm Instrument ID: TAC040
 Method: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\8270TAC040.m
 Limit Group: 8270D BNA QSM 5.0
 Last Update: 23-Mar-2022 14:29:04 Calib Date: 21-Mar-2022 08:53:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20220321-81841.b\40Scan032022x015.D

Column 1 : Det: MS SCAN
 Process Host: CTX1607

First Level Reviewer: limmere Date: 23-Mar-2022 14:29:04

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-Fluorophenol	1000.0	435.4	43.54
\$ 8 Phenol-d5	1000.0	357.3	35.73
\$ 9 Nitrobenzene-d5	1000.0	755.9	75.59
\$ 10 2-Fluorobiphenyl	1000.0	741.5	74.15
\$ 11 2,4,6-Tribromophenol	1000.0	736.4	73.64
\$ 12 Terphenyl-d14	1000.0	925.7	92.57

Eurofins Seattle

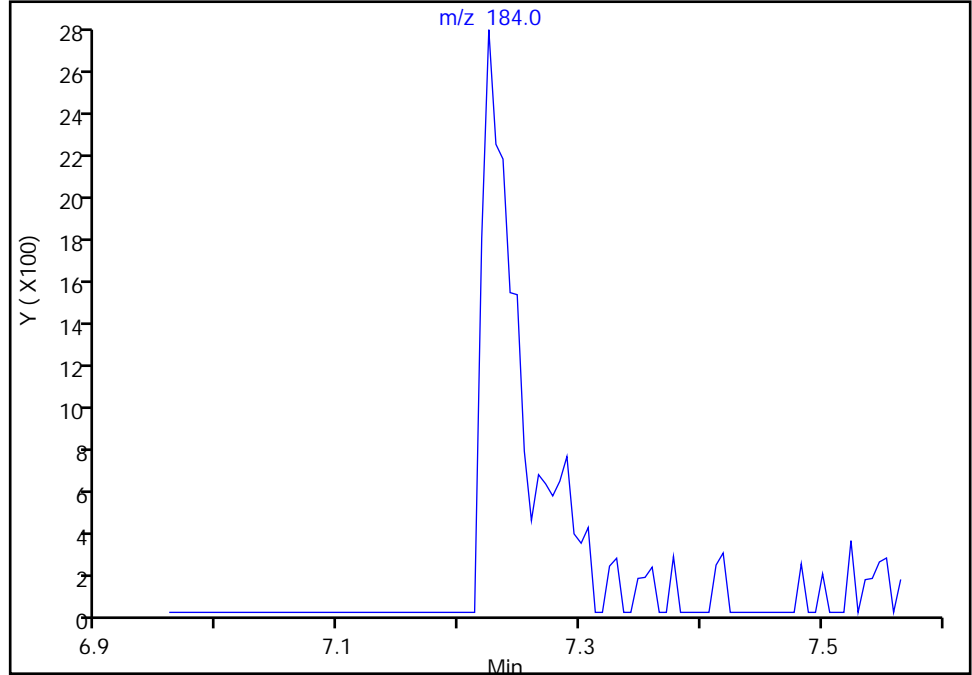
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x011.D
Injection Date: 23-Mar-2022 06:00:30 Instrument ID: TAC040
Lims ID: LCSD 580-384501/3-A
Client ID:
Operator ID: jcm ALS Bottle#: 23 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

69 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

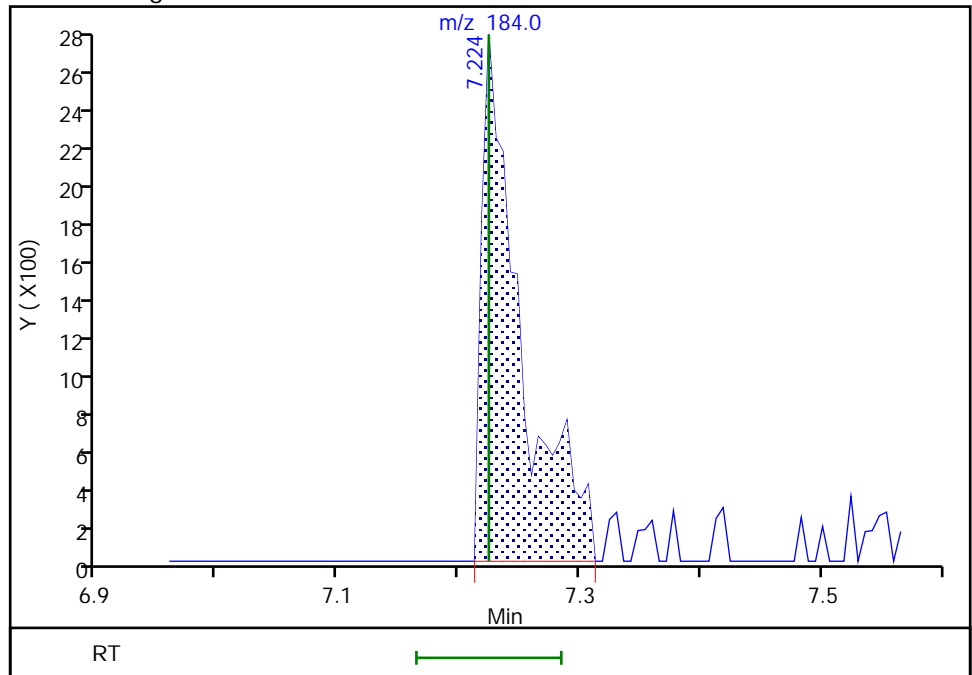
Not Detected
Expected RT: 7.22

Processing Integration Results



Manual Integration Results

RT: 7.22
Area: 6218
Amount: 830.9461
Amount Units: ug/L



Reviewer: limmere, 23-Mar-2022 14:28:43
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle

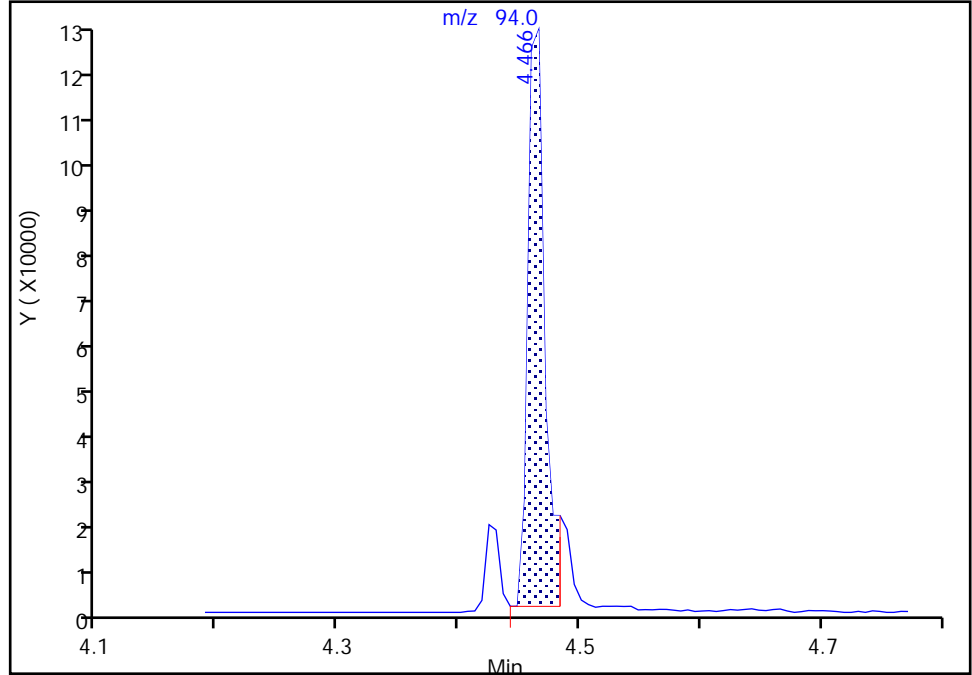
Data File: \\chromfs\Seattle\ChromData\TAC040\20220323-81886.b\40Scan032322x011.D
Injection Date: 23-Mar-2022 06:00:30 Instrument ID: TAC040
Lims ID: LCSD 580-384501/3-A
Client ID:
Operator ID: jcm ALS Bottle#: 23 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270TAC040 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

18 Phenol, CAS: 108-95-2

Signal: 1

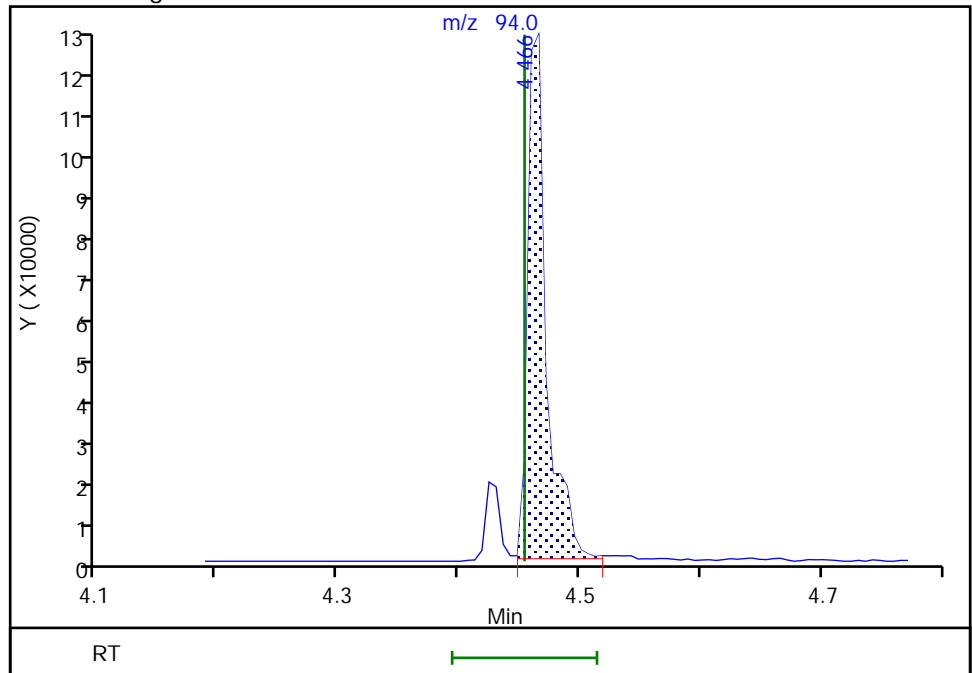
RT: 4.47
Area: 119189
Amount: 351.3425
Amount Units: ug/L

Processing Integration Results



RT: 4.47
Area: 130068
Amount: 383.4114
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 23-Mar-2022 14:28:04
Audit Action: Manually Integrated

Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Start Date: 03/22/2022 12:06

Analysis Batch Number: 384624 End Date: 03/22/2022 23:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-384624/2		03/22/2022 12:06	1	40Scan032222a00 3.D	ZB-SV 0.25 (mm)
CCVIS 580-384624/3		03/22/2022 12:55	1	40Scan032222a00 4.D	ZB-SV 0.25 (mm)
ZZZZZ		03/22/2022 13:51	1		ZB-SV 0.25 (mm)
ZZZZZ		03/22/2022 14:15	1		ZB-SV 0.25 (mm)
ZZZZZ		03/22/2022 14:39	1		ZB-SV 0.25 (mm)
ZZZZZ		03/22/2022 15:02	1		ZB-SV 0.25 (mm)
ZZZZZ		03/22/2022 15:26	1		ZB-SV 0.25 (mm)
ZZZZZ		03/22/2022 15:50	1		ZB-SV 0.25 (mm)
ZZZZZ		03/22/2022 16:14	1		ZB-SV 0.25 (mm)
ZZZZZ		03/22/2022 16:37	1		ZB-SV 0.25 (mm)
ZZZZZ		03/22/2022 17:01	1		ZB-SV 0.25 (mm)
ZZZZZ		03/22/2022 17:25	1		ZB-SV 0.25 (mm)
CCVC 580-384624/15		03/22/2022 17:48	1		ZB-SV 0.25 (mm)
MB 580-384314/1-A		03/22/2022 18:12	1	40Scan032222a01 7.D	ZB-SV 0.25 (mm)
LCS 580-384314/2-A		03/22/2022 18:36	1	40Scan032222a01 8.D	ZB-SV 0.25 (mm)
LCSD 580-384314/3-A		03/22/2022 19:00	1	40Scan032222a01 9.D	ZB-SV 0.25 (mm)
ZZZZZ		03/22/2022 19:47	1		ZB-SV 0.25 (mm)
ZZZZZ		03/22/2022 20:11	1		ZB-SV 0.25 (mm)
580-111436-7	ERH2775 (RHMW15-05)	03/22/2022 20:34	1	40Scan032222a02 3.D	ZB-SV 0.25 (mm)
CCVC 580-384624/30		03/22/2022 23:41	1	40Scan032222a03 1.D	ZB-SV 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Start Date: 03/23/2022 02:54

Analysis Batch Number: 384789 End Date: 03/23/2022 11:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-384789/2		03/23/2022 02:54	1	40Scan032322x00 3.D	ZB-SV 0.25 (mm)
CCVIS 580-384789/3		03/23/2022 03:18	1	40Scan032322x00 4.D	ZB-SV 0.25 (mm)
MB 580-384501/1-A		03/23/2022 05:13	1	40Scan032322x00 9.D	ZB-SV 0.25 (mm)
LCS 580-384501/2-A		03/23/2022 05:37	1	40Scan032322x01 0.D	ZB-SV 0.25 (mm)
LCSD 580-384501/3-A		03/23/2022 06:00	1	40Scan032322x01 1.D	ZB-SV 0.25 (mm)
580-111436-1	ERH2807 (RHMW03)	03/23/2022 10:41	1	40Scan032322x02 3.D	ZB-SV 0.25 (mm)
CCVC 580-384789/23		03/23/2022 11:04	1	40Scan032322x02 4.D	ZB-SV 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC040 Start Date: 03/23/2022 13:45Analysis Batch Number: 384865 End Date: 03/24/2022 00:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-384865/2		03/23/2022 13:45	1	40Scan032322a00 6.D	ZB-SV 0.25 (mm)
CCVIS 580-384865/3		03/23/2022 14:10	1	40Scan032322a00 7.D	ZB-SV 0.25 (mm)
580-111436-2	ERH2803 (RHMW12A)	03/23/2022 21:35	1	40Scan032322a02 6.D	ZB-SV 0.25 (mm)
580-111436-3	ERH2804 (RHMW12A)	03/23/2022 21:58	1	40Scan032322a02 7.D	ZB-SV 0.25 (mm)
580-111436-4	ERH2818 (RHMW05)	03/23/2022 22:22	1	40Scan032322a02 8.D	ZB-SV 0.25 (mm)
580-111436-5	ERH2814 (RHMW01R)	03/23/2022 22:45	1	40Scan032322a02 9.D	ZB-SV 0.25 (mm)
580-111436-6	ERH2815 (RHMW01R)	03/23/2022 23:08	1	40Scan032322a03 0.D	ZB-SV 0.25 (mm)
580-111436-8	ERH2800 (RHMW14-3)	03/23/2022 23:31	1	40Scan032322a03 1.D	ZB-SV 0.25 (mm)
580-111436-9	ERH2821 (RHMW16)	03/23/2022 23:54	1	40Scan032322a03 2.D	ZB-SV 0.25 (mm)
CCVC 580-384865/29		03/24/2022 00:17	1	40Scan032322a03 3.D	ZB-SV 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Batch Number: 384314 Batch Start Date: 03/18/22 10:55 Batch Analyst: Lanin, Aleksey SBatch Method: 3510C Batch End Date: 03/18/22 20:08

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-384314/1		3510C, 8270E				1000 mL	2 mL	7 SU	2 SU
LCS 580-384314/2		3510C, 8270E				1000 mL	2 mL	7 SU	2 SU
LCSD 580-384314/3		3510C, 8270E				1000 mL	2 mL	7 SU	2 SU
580-111436-B-7	ERH2775 (RHMW15-05)	3510C, 8270E	T	01459.81 g	00465.69 g	994.1 mL	2 mL	7 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	8270flspk 00296	8270waterSurr 00119			
MB 580-384314/1		3510C, 8270E		11 SU		100 uL			
LCS 580-384314/2		3510C, 8270E		11 SU	100 uL	100 uL			
LCSD 580-384314/3		3510C, 8270E		11 SU	100 uL	100 uL			
580-111436-B-7	ERH2775 (RHMW15-05)	3510C, 8270E	T	11 SU		100 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Batch Number: 384314 Batch Start Date: 03/18/22 10:55 Batch Analyst: Lanin, Aleksey SBatch Method: 3510C Batch End Date: 03/18/22 20:08

Batch Notes	
Method/Fraction	3510C / 8270E / 8270_SIM / 625.1
Balance ID	SEA225
pH Indicator ID	6003005 / 6007005 / 6908005
Pipette/Syringe/Dispenser ID	MP5
Analyst ID - Extraction	MAE/JHR/AL
Reagent Water ID	DI
Analyst ID - Spike Analyst	AL
Analyst ID - Spike Witness Analyst	JHR
Sufficient Volume for Batch QC	no
Acid Used for pH Adjustment ID	3020736
Base Used to Adjust pH ID	3064763
Prep Solvent ID	3076033
Prep Solvent Volume Used	360 mL
Filter ID	3048946
Na2SO4 ID	3058747
Analyst ID - Concentration	MAE
Equipment ID - Concentration 1	Steambath 1
Thermometer ID - Concentration 1	61013-040-1
Concentration 1 Uncorrected Temperature	70.0-75.0 Degrees C
Concentration 1 Corrected Temperature	69.4-74.4 Degrees C
Equipment ID - Concentration 2	Turbovap5
Thermometer ID - Concentration 2	DIGITALREADOUT
Concentration 2 Uncorrected Temperature	30.0 Degrees C
Concentration 2 Corrected Temperature	28.1 Degrees C
Vial Lot Number	24165097
Batch Comment	Vialed by: KW/MAE

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle

Job No.: 580-111436-1

SDG No.:

Batch Number: 384501

Batch Start Date: 03/21/22 09:43

Batch Analyst: Yu, Johnathon J

Batch Method: 3510C

Batch End Date: 03/21/22 17:09

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-384501/1		3510C, 8270E				1000 mL	2 mL	7 SU	2 SU
LCS 580-384501/2		3510C, 8270E				1000 mL	2 mL	7 SU	2 SU
LCSD 580-384501/3		3510C, 8270E				1000 mL	2 mL	7 SU	2 SU
580-111436-A-1	ERH2807 (RHMW03)	3510C, 8270E	T	01460.42 g	00467.85 g	992.6 mL	2 mL	7 SU	2 SU
580-111436-A-2	ERH2803 (RHMW12A)	3510C, 8270E	T	01565.41 g	00514.81 g	1050.6 mL	2 mL	7 SU	2 SU
580-111436-B-3	ERH2804 (RHMW12A)	3510C, 8270E	T	01458.74 g	00467.48 g	991.3 mL	2 mL	7 SU	2 SU
580-111436-A-4	ERH2818 (RHMW05)	3510C, 8270E	T	01458.10 g	00466.53 g	991.6 mL	2 mL	7 SU	2 SU
580-111436-B-5	ERH2814 (RHMW01R)	3510C, 8270E	T	01457.43 g	00465.37 g	992.1 mL	2 mL	7 SU	2 SU
580-111436-B-6	ERH2815 (RHMW01R)	3510C, 8270E	T	01564.75 g	00518.96 g	1045.8 mL	2 mL	7 SU	2 SU
580-111436-B-8	ERH2800 (RHMW14-3)	3510C, 8270E	T	01456.42 g	00466.13 g	990.3 mL	2 mL	7 SU	2 SU
580-111436-A-9	ERH2821 (RHMW16)	3510C, 8270E	T	01462.76 g	00469.29 g	993.5 mL	2 mL	7 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	8270flspk 00296	8270waterSurr 00119			
MB 580-384501/1		3510C, 8270E		11 SU		100 uL			
LCS 580-384501/2		3510C, 8270E		11 SU	100 uL	100 uL			
LCSD 580-384501/3		3510C, 8270E		11 SU	100 uL	100 uL			
580-111436-A-1	ERH2807 (RHMW03)	3510C, 8270E	T	11 SU		100 uL			
580-111436-A-2	ERH2803 (RHMW12A)	3510C, 8270E	T	11 SU		100 uL			
580-111436-B-3	ERH2804 (RHMW12A)	3510C, 8270E	T	11 SU		100 uL			
580-111436-A-4	ERH2818 (RHMW05)	3510C, 8270E	T	11 SU		100 uL			
580-111436-B-5	ERH2814 (RHMW01R)	3510C, 8270E	T	11 SU		100 uL			
580-111436-B-6	ERH2815 (RHMW01R)	3510C, 8270E	T	11 SU		100 uL			
580-111436-B-8	ERH2800 (RHMW14-3)	3510C, 8270E	T	11 SU		100 uL			
580-111436-A-9	ERH2821 (RHMW16)	3510C, 8270E	T	11 SU		100 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270E

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Batch Number: 384501 Batch Start Date: 03/21/22 09:43 Batch Analyst: Yu, Johnathon JBatch Method: 3510C Batch End Date: 03/21/22 17:09

Batch Notes	
Method/Fraction	3510C / TCLP / 8270E
Balance ID	SEA225
pH Indicator ID	6003005 / 6007005 / 6908005
Pipette/Syringe/Dispenser ID	MP5
Analyst ID - Extraction	JJY/JHR
Reagent Water ID	TCLP fluid #1
Analyst ID - Spike Analyst	JJY
Analyst ID - Spike Witness Analyst	JHR
Sufficient Volume for Batch QC	yes
Acid Used for pH Adjustment ID	3020736
Base Used to Adjust pH ID	3064763
Prep Solvent ID	3076033
Prep Solvent Volume Used	360 mL
Filter ID	3048946
Na2SO4 ID	3058747
Analyst ID - Concentration	JJY
Equipment ID - Concentration 1	Steambath 1
Thermometer ID - Concentration 1	61013-040-1
Concentration 1 Uncorrected Temperature	70.0-75.0 Degrees C
Concentration 1 Corrected Temperature	69.4-74.4 Degrees C
Equipment ID - Concentration 2	Turbovap5
Thermometer ID - Concentration 2	DIGITALREADOUT
Concentration 2 Uncorrected Temperature	38 Degrees C
Concentration 2 Corrected Temperature	36 Degrees C
Vial Lot Number	24165097
Batch Comment	Vialed by: JJY

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270E_SIM_DOD5

Semivolatile Organic Compounds
(GC/MS SIM)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): ZB-SV ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2MN #	FLN10 #	TPHL #
ERH2807 (RHMW03)	580-111436-1	57	84	94
ERH2803 (RHMW12A)	580-111436-2	68	94	105
ERH2804 (RHMW12A)	580-111436-3	64	98	110
ERH2818 (RHMW05)	580-111436-4	69	91	101
ERH2814 (RHMW01R)	580-111436-5	64	83	89
ERH2815 (RHMW01R)	580-111436-6	72	87	95
ERH2775 (RHMW15-05)	580-111436-7	59	97	107
ERH2800 (RHMW14-3)	580-111436-8	68	100	113
ERH2821 (RHMW16)	580-111436-9	72	102	113
	MB 580-384314/1-A	76	102	110
	MB 580-384501/1-A	66	87	100
	LCS 580-384314/2-A	72	92	101
	LCS 580-384501/2-A	72	86	98
	LCSD 580-384314/3-A	69	94	101
	LCSD 580-384501/3-A	71	89	100

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

QC LIMITS
40-140
40-140
58-132

Column to be used to flag recovery values

FORM II 8270E SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: SIM032122a009.D
 Lab ID: LCS 580-384314/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1-Methylnaphthalene	2.00	1.32	66	41-115	
2-Methylnaphthalene	2.00	1.25	63	39-114	
Acenaphthene	2.00	1.50	75	48-114	
Acenaphthylene	2.00	1.42	71	35-121	
Anthracene	2.00	1.61	81	53-119	
Benzo[a]anthracene	2.00	1.71	85	59-120	
Benzo[a]pyrene	2.00	1.59	80	53-120	
Benzo[b]fluoranthene	2.00	1.72	86	53-126	
Benzo[g,h,i]perylene	2.00	1.84	92	44-128	
Benzo[k]fluoranthene	2.00	1.78	89	54-125	
Chrysene	2.00	1.67	83	57-120	
Dibenz(a,h)anthracene	2.00	1.83	92	44-131	M
Fluoranthene	2.00	1.83	91	58-120	
Fluorene	2.00	1.65	82	50-118	
Indeno[1,2,3-cd]pyrene	2.00	1.83	91	48-130	M
Naphthalene	2.00	1.32	66	43-114	
Phenanthrene	2.00	1.61	80	53-115	
Pyrene	2.00	1.80	90	53-121	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 032522b011.D
 Lab ID: LCS 580-384501/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1-Methylnaphthalene	2.00	1.58	79	41-115	
2-Methylnaphthalene	2.00	1.59	79	39-114	
Acenaphthene	2.00	1.62	81	48-114	
Acenaphthylene	2.00	1.68	84	35-121	
Anthracene	2.00	1.74	87	53-119	
Benzo[a]anthracene	2.00	1.90	95	59-120	
Benzo[a]pyrene	2.00	1.88	94	53-120	
Benzo[b]fluoranthene	2.00	1.85	93	53-126	
Benzo[g,h,i]perylene	2.00	1.78	89	44-128	
Benzo[k]fluoranthene	2.00	1.84	92	54-125	
Chrysene	2.00	1.67	83	57-120	
Dibenz(a,h)anthracene	2.00	1.80	90	44-131	
Fluoranthene	2.00	1.89	94	58-120	
Fluorene	2.00	1.79	90	50-118	
Indeno[1,2,3-cd]pyrene	2.00	1.67	84	48-130	
Naphthalene	2.00	1.49	74	43-114	
Phenanthrene	2.00	1.70	85	53-115	
Pyrene	2.00	1.81	90	53-121	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: SIM032122a010.D
 Lab ID: LCSD 580-384314/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1-Methylnaphthalene	2.00	1.36	68	3	20	41-115	
2-Methylnaphthalene	2.00	1.30	65	4	20	39-114	
Acenaphthene	2.00	1.53	76	2	20	48-114	
Acenaphthylene	2.00	1.45	73	2	20	35-121	
Anthracene	2.00	1.66	83	3	20	53-119	
Benzo[a]anthracene	2.00	1.75	88	3	20	59-120	
Benzo[a]pyrene	2.00	1.63	82	3	20	53-120	
Benzo[b]fluoranthene	2.00	1.74	87	2	20	53-126	
Benzo[g,h,i]perylene	2.00	1.85	92	0	20	44-128	
Benzo[k]fluoranthene	2.00	1.83	91	3	20	54-125	
Chrysene	2.00	1.72	86	3	20	57-120	
Dibenz(a,h)anthracene	2.00	1.84	92	1	20	44-131	M
Fluoranthene	2.00	1.89	95	4	20	58-120	
Fluorene	2.00	1.68	84	2	20	50-118	
Indeno[1,2,3-cd]pyrene	2.00	1.84	92	1	20	48-130	M
Naphthalene	2.00	1.35	67	2	20	43-114	
Phenanthrene	2.00	1.66	83	3	20	53-115	
Pyrene	2.00	1.84	92	2	20	53-121	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 032522b012.D
 Lab ID: LCSD 580-384501/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1-Methylnaphthalene	2.00	1.47	74	7	20	41-115	
2-Methylnaphthalene	2.00	1.48	74	7	20	39-114	
Acenaphthene	2.00	1.57	78	3	20	48-114	
Acenaphthylene	2.00	1.65	83	2	20	35-121	
Anthracene	2.00	1.74	87	0	20	53-119	
Benzo[a]anthracene	2.00	1.99	99	4	20	59-120	
Benzo[a]pyrene	2.00	1.90	95	1	20	53-120	
Benzo[b]fluoranthene	2.00	1.85	93	0	20	53-126	
Benzo[g,h,i]perylene	2.00	1.85	92	4	20	44-128	
Benzo[k]fluoranthene	2.00	1.88	94	3	20	54-125	
Chrysene	2.00	1.76	88	5	20	57-120	
Dibenz(a,h)anthracene	2.00	1.88	94	4	20	44-131	
Fluoranthene	2.00	1.93	97	2	20	58-120	
Fluorene	2.00	1.77	88	2	20	50-118	
Indeno[1,2,3-cd]pyrene	2.00	1.89	95	12	20	48-130	
Naphthalene	2.00	1.38	69	7	20	43-114	
Phenanthrene	2.00	1.70	85	0	20	53-115	
Pyrene	2.00	1.84	92	2	20	53-121	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab File ID: SIM032122a006.D Lab Sample ID: MB 580-384314/1-A
 Matrix: Water Date Extracted: 03/18/2022 10:55
 Instrument ID: TAC050 Date Analyzed: 03/21/2022 12:29
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-384314/2-A	SIM032122a009.D	03/21/2022 13:27
	LCSD 580-384314/3-A	SIM032122a010.D	03/21/2022 13:46
ERH2775 (RHMW15-05)	580-111436-7	SIM032122a019.D	03/21/2022 16:39

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab File ID: 032522b009.D Lab Sample ID: MB 580-384501/1-A
 Matrix: Water Date Extracted: 03/21/2022 09:43
 Instrument ID: SEA101 Date Analyzed: 03/25/2022 17:54
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-384501/2-A	032522b011. D	03/25/2022 18:43
	LCSD 580-384501/3-A	032522b012. D	03/25/2022 19:08
ERH2807 (RHMW03)	580-111436-1	032522b014. D	03/25/2022 19:57
ERH2803 (RHMW12A)	580-111436-2	032522b015. D	03/25/2022 20:21
ERH2804 (RHMW12A)	580-111436-3	032522b016. D	03/25/2022 20:46
ERH2818 (RHMW05)	580-111436-4	032522b017. D	03/25/2022 21:10
ERH2814 (RHMW01R)	580-111436-5	032522b018. D	03/25/2022 21:35
ERH2815 (RHMW01R)	580-111436-6	032522b019. D	03/25/2022 22:00
ERH2800 (RHMW14-3)	580-111436-8	032522b020. D	03/25/2022 22:24
ERH2821 (RHMW16)	580-111436-9	032522b021. D	03/25/2022 22:49

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab File ID: 032522a003.D DFTPP Injection Date: 03/25/2022
 Instrument ID: SEA101 DFTPP Injection Time: 11:58
 Analysis Batch No.: 385060

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	30.1
68	Less than 2.0 % of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	29.8
70	Less than 2.0 % of mass 69	0.2 (0.5) 1
127	10.0 - 80.0 % of mass 198	54.7
197	Less than 2.0 % of mass 198	0.7
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.9
275	10.0 - 60.0 % of mass 198	30.8
365	Greater than 1.0 % of mass 198	5.9
441	Present but less than mass 443	26.9
442	Greater than 50.0 % of mass 198	174.9
443	15.0 - 24.0 % of mass 442	33.5 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 580-385060/21	032522a005.D	03/25/2022	12:50

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab File ID: 032422a008.D DFTPP Injection Date: 03/24/2022
 Instrument ID: SEA101 DFTPP Injection Time: 14:41
 Analysis Batch No.: 385060

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	28.7
68	Less than 2.0 % of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	28.7
70	Less than 2.0 % of mass 69	0.1 (0.5) 1
127	10.0 - 80.0 % of mass 198	60.2
197	Less than 2.0 % of mass 198	0.7
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.7
275	10.0 - 60.0 % of mass 198	26.4
365	Greater than 1.0 % of mass 198	4.7
441	Present but less than mass 443	20.9
442	Greater than 50.0 % of mass 198	131.1
443	15.0 - 24.0 % of mass 442	26.5 (20.2) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD13 580-385060/4	032422a011.D	03/24/2022	17:00
	STD12 580-385060/5	032422a013.D	03/24/2022	17:51
	STD11 580-385060/6	032422a015.D	03/24/2022	18:41
	STD10 580-385060/7	032422a017.D	03/24/2022	19:31
	STD9IS 580-385060/8	032422a019.D	03/24/2022	20:22
	STD8 580-385060/9	032422a021.D	03/24/2022	21:12
	STD7 580-385060/10	032422a023.D	03/24/2022	22:01
	STD6 580-385060/11	032422a025.D	03/24/2022	22:51
	STD5 580-385060/12	032422a027.D	03/24/2022	23:40
	STD4 580-385060/13	032422a029.D	03/25/2022	0:29
	STD3 580-385060/14	032422a031.D	03/25/2022	1:19
	STD2 580-385060/15	032422a033.D	03/25/2022	2:08
	STD1 580-385060/16	032422a034.D	03/25/2022	2:32

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab File ID: 032522b007.D DFTPP Injection Date: 03/25/2022
 Instrument ID: SEA101 DFTPP Injection Time: 17:02
 Analysis Batch No.: 385175

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	29.4
68	Less than 2.0 % of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	29.1
70	Less than 2.0 % of mass 69	0.2 (0.5) 1
127	10.0 - 80.0 % of mass 198	53.2
197	Less than 2.0 % of mass 198	0.6
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.8
275	10.0 - 60.0 % of mass 198	29.5
365	Greater than 1.0 % of mass 198	5.7
441	Present but less than mass 443	27.6
442	Greater than 50.0 % of mass 198	173.3
443	15.0 - 24.0 % of mass 442	33.5 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-385175/3	032522b008.D	03/25/2022	17:29
	MB 580-384501/1-A	032522b009.D	03/25/2022	17:54
	LCS 580-384501/2-A	032522b011.D	03/25/2022	18:43
	LCSD 580-384501/3-A	032522b012.D	03/25/2022	19:08
ERH2807 (RHMW03)	580-111436-1	032522b014.D	03/25/2022	19:57
ERH2803 (RHMW12A)	580-111436-2	032522b015.D	03/25/2022	20:21
ERH2804 (RHMW12A)	580-111436-3	032522b016.D	03/25/2022	20:46
ERH2818 (RHMW05)	580-111436-4	032522b017.D	03/25/2022	21:10
ERH2814 (RHMW01R)	580-111436-5	032522b018.D	03/25/2022	21:35
ERH2815 (RHMW01R)	580-111436-6	032522b019.D	03/25/2022	22:00
ERH2800 (RHMW14-3)	580-111436-8	032522b020.D	03/25/2022	22:24
ERH2821 (RHMW16)	580-111436-9	032522b021.D	03/25/2022	22:49
	CCVC 580-385175/21	032522b026.D	03/26/2022	0:51

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab File ID: SIM011322b012.D DFTPP Injection Date: 01/14/2022
 Instrument ID: TAC050 DFTPP Injection Time: 00:35
 Analysis Batch No.: 378263

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	17.1
68	Less than 2.0 % of mass 69	0.1 (0.7) 1
69	Mass 69 relative abundance	21.5
70	Less than 2.0 % of mass 69	0.1 (0.5) 1
127	10.0 - 80.0 % of mass 198	47.9
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.9
275	10.0 - 60.0 % of mass 198	27.4
365	Greater than 1.0 % of mass 198	5.8
441	Present but less than mass 443	24.9
442	Greater than 50.0 % of mass 198	179.2
443	15.0 - 24.0 % of mass 442	32.4 (18.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD13 580-378263/4	SIM011322b014	01/14/2022	1:16
	STD12 580-378263/5	SIM011322b015	01/14/2022	1:35
	STD11 580-378263/6	SIM011322b016	01/14/2022	1:54
	STD10 580-378263/7	SIM011322b017	01/14/2022	2:13
	STD9IS 580-378263/8	SIM011322b018	01/14/2022	2:32
	STD8 580-378263/9	SIM011322b019	01/14/2022	2:51
	STD7 580-378263/10	SIM011322b020	01/14/2022	3:10
	STD6 580-378263/11	SIM011322b021	01/14/2022	3:29
	STD5 580-378263/12	SIM011322b022	01/14/2022	3:48
	STD4 580-378263/13	SIM011322b023	01/14/2022	4:07
	STD3 580-378263/14	SIM011322b024	01/14/2022	4:26
	STD2 580-378263/15	SIM011322b025	01/14/2022	4:45
	STD1 580-378263/16	SIM011322b026	01/14/2022	5:04
	ICV 580-378263/18	SIM011322b028	01/14/2022	5:42

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab File ID: SIM032122a003.D DFTPP Injection Date: 03/21/2022
 Instrument ID: TAC050 DFTPP Injection Time: 10:36
 Analysis Batch No.: 384521

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	20.7
68	Less than 2.0 % of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	20.7
70	Less than 2.0 % of mass 69	0.1 (0.5) 1
127	10.0 - 80.0 % of mass 198	46.7
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.9
275	10.0 - 60.0 % of mass 198	26.1
365	Greater than 1.0 % of mass 198	4.8
441	Present but less than mass 443	21.6
442	Greater than 50.0 % of mass 198	151.9
443	15.0 - 24.0 % of mass 442	28.0 (18.4) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-384521/3	SIM032122a004	03/21/2022	10:58
	MB 580-384314/1-A	SIM032122a006	03/21/2022	12:29
	LCS 580-384314/2-A	SIM032122a009	03/21/2022	13:27
	LCSD 580-384314/3-A	SIM032122a010	03/21/2022	13:46
ERH2775 (RHMW15-05)	580-111436-7	SIM032122a019	03/21/2022	16:39
	CCVC 580-384521/19	SIM032122a020	03/21/2022	18:01

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Sample No.: STD9IS 580-385060/8 Date Analyzed: 03/24/2022 20:22
 Instrument ID: SEA101 GC Column: ZB-SV ID: 0.25 (mm)
 Lab File ID (Standard): 032422a019.D Heated Purge: (Y/N) N
 Calibration ID: 32244

	DCBd4		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	54970	5.61	72529	6.73	34295	8.19
UPPER LIMIT	109940	6.11	145058	7.23	68590	8.69
LOWER LIMIT	27485	5.11	36265	6.23	17148	7.69
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 580-385060/21	54059	5.61	71701	6.73	34409	8.19

DCBd4 = 1,4-Dichlorobenzene-d4
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Sample No.: STD9IS 580-385060/8 Date Analyzed: 03/24/2022 20:22
 Instrument ID: SEA101 GC Column: ZB-SV ID: 0.25 (mm)
 Lab File ID (Standard): 032422a019.D Heated Purge: (Y/N) N
 Calibration ID: 32244

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	57916	9.40	48606	11.60	49693	13.14
UPPER LIMIT	115832	9.90	97212	12.10	99386	13.64
LOWER LIMIT	28958	8.90	24303	11.10	24847	12.64
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 580-385060/21	55255	9.40	45418	11.60	40161	13.14

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Sample No.: CCVIS 580-385175/3 Date Analyzed: 03/25/2022 17:29
 Instrument ID: SEA101 GC Column: ZB-SV ID: 0.25 (mm)
 Lab File ID (Standard): 032522b008.D Heated Purge: (Y/N) N
 Calibration ID: 32244

	DCBd4		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	66000	5.61	87308	6.73	40856	8.18	
UPPER LIMIT	132000	6.11	174616	7.23	81712	8.68	
LOWER LIMIT	33000	5.11	43654	6.23	20428	7.68	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-384501/1-A		62869	5.61	82397	6.73	36869	8.19
LCS 580-384501/2-A		60594	5.61	80057	6.73	39038	8.18
LCSD 580-384501/3-A		61020	5.61	79601	6.73	38859	8.18
580-111436-1	ERH2807 (RHMW03)	60510	5.61	78848	6.73	37191	8.19
580-111436-2	ERH2803 (RHMW12A)	59303	5.61	78053	6.73	36136	8.18
580-111436-3	ERH2804 (RHMW12A)	58839	5.61	76448	6.73	35695	8.18
580-111436-4	ERH2818 (RHMW05)	59049	5.61	78514	6.73	36558	8.18
580-111436-5	ERH2814 (RHMW01R)	61878	5.61	82803	6.73	55334	8.18
580-111436-6	ERH2815 (RHMW01R)	61429	5.61	81155	6.73	52336	8.18
580-111436-8	ERH2800 (RHMW14-3)	58587	5.61	77036	6.73	36458	8.18
580-111436-9	ERH2821 (RHMW16)	60736	5.61	79060	6.73	36980	8.18
CCVC 580-385175/21		69600	5.61	91337	6.73	43772	8.18

DCBd4 = 1,4-Dichlorobenzene-d4
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Sample No.: CCVIS 580-385175/3 Date Analyzed: 03/25/2022 17:29
 Instrument ID: SEA101 GC Column: ZB-SV ID: 0.25 (mm)
 Lab File ID (Standard): 032522b008.D Heated Purge: (Y/N) N
 Calibration ID: 32244

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	65737	9.40	52494	11.60	50080	13.14	
UPPER LIMIT	131474	9.90	104988	12.10	100160	13.64	
LOWER LIMIT	32869	8.90	26247	11.10	25040	12.64	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-384501/1-A	61742	9.40	47386	11.60	47488	13.14	
LCS 580-384501/2-A	64213	9.40	52678	11.60	51669	13.14	
LCSD 580-384501/3-A	65506	9.40	53392	11.60	55469	13.14	
580-111436-1	ERH2807 (RHMW03)	63996	9.40	52468	11.60	59726	13.14
580-111436-2	ERH2803 (RHMW12A)	59871	9.40	47190	11.60	51329	13.14
580-111436-3	ERH2804 (RHMW12A)	59615	9.40	46745	11.60	52556	13.14
580-111436-4	ERH2818 (RHMW05)	60548	9.40	47118	11.60	53967	13.14
580-111436-5	ERH2814 (RHMW01R)	71827	9.40	55887	11.60	63516	13.14
580-111436-6	ERH2815 (RHMW01R)	70147	9.40	54505	11.60	65357	13.14
580-111436-8	ERH2800 (RHMW14-3)	60458	9.40	48692	11.60	56354	13.14
580-111436-9	ERH2821 (RHMW16)	61415	9.40	50073	11.60	57312	13.14
CCVC 580-385175/21		71802	9.40	58742	11.60	66737	13.14

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Sample No.: CCVIS 580-384521/3 Date Analyzed: 03/21/2022 10:58
 Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25 (mm)
 Lab File ID (Standard): SIM032122a004.D Heated Purge: (Y/N) N
 Calibration ID: 31897

	NPT		ANT		PHN		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	19142	5.15	9947	6.83	17460	8.30	
UPPER LIMIT	38284	5.65	19894	7.33	34920	8.80	
LOWER LIMIT	9571	4.65	4974	6.33	8730	7.80	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-384314/1-A	14811	5.15	7103	6.84	13238	8.30	
LCS 580-384314/2-A	16030	5.15	8224	6.83	14707	8.30	
LCSD 580-384314/3-A	15911	5.15	8153	6.83	14414	8.30	
580-111436-7	ERH2775 (RHMW15-05)	15597	5.15	7534	6.84	13861	8.30
CCVC 580-384521/19		19020	5.15	9482	6.84	16963	8.30

NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Sample No.: CCVIS 580-384521/3 Date Analyzed: 03/21/2022 10:58
 Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25 (mm)
 Lab File ID (Standard): SIM032122a004.D Heated Purge: (Y/N) N
 Calibration ID: 31897

	CRY		PRY		#	RT #
	AREA #	RT #	AREA #	RT #		
12/24 HOUR STD	15548	11.01	17646	13.06		
UPPER LIMIT	31096	11.51	35292	13.56		
LOWER LIMIT	7774	10.51	8823	12.56		
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 580-384314/1-A			11577	11.01	14097	13.06
LCS 580-384314/2-A			12933	11.01	14909	13.05
LCSD 580-384314/3-A			12931	11.01	15086	13.05
580-111436-7	ERH2775 (RHMW15-05)		12293	11.01	14734	13.05
CCVC 580-384521/19			15034	11.01	16072	13.07

CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2807 (RHMW03) Lab Sample ID: 580-111436-1
 Matrix: Water Lab File ID: 032522b014.D
 Analysis Method: 8270E SIM Date Collected: 03/15/2022 12:50
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 992.6(mL) Date Analyzed: 03/25/2022 19:57
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 385175 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.081	U	0.20	0.081	0.039
83-32-9	Acenaphthene	0.032	U M	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U M	0.050	0.032	0.0091
120-12-7	Anthracene	0.081	U M	0.10	0.081	0.022
56-55-3	Benzo[a]anthracene	0.032	U M	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U M	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U M	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U M	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U M	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U M	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U M	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U M	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U M	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U M	0.050	0.032	0.014
91-20-3	Naphthalene	0.081	U M	0.10	0.081	0.031
85-01-8	Phenanthrene	0.081	U M	0.10	0.081	0.031
129-00-0	Pyrene	0.081	U M	0.10	0.081	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	57		40-140
93951-69-0	Fluoranthene-d10 (Surr)	84		40-140
1718-51-0	Terphenyl-d14	94		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
 Lims ID: 580-111436-A-1-A
 Client ID: ERH2807 (RHMW03)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 19:57:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-A-1-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 09:56:43 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 09:57:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	60510	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	78848	100.0	
* 3 Acenaphthene-d10	164	8.188	8.183	0.005	1	37191	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	63996	100.0	
* 5 Chrysene-d12	240	11.599	11.599	0.000	1	52468	100.0	M
* 6 Perylene-d12	264	13.143	13.143	0.000	1	59726	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.300	0.000	96	244528	566.0	
\$ 8 2-Fluorobiphenyl	172	7.642	7.643	0.000	1	318229	556.5	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	51714	723.2	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	517353	843.4	
\$ 11 Terphenyl-d14	244	10.716	10.716	0.000	1	410409	935.7	
12 Naphthalene	128	6.744	6.744	0.000	1	2443	2.98	M
13 2-Methylnaphthalene	142	7.326	7.331	-0.005	1	2840	5.79	
14 1-Methylnaphthalene	142	7.408	7.408	0.000	1	1955	4.06	
15 Acenaphthylene	152	8.070	8.065	0.005	1	351	0.5380	M
16 Acenaphthene	153	8.208	8.213	-0.005	1	241	0.5085	M
17 Fluorene	166	8.637	8.637	0.000	1	497	1.05	M
18 Pentachlorophenol	266	9.242	9.242	0.000	1	1762	117.8	
19 Phenanthrene	178	9.418	9.419	0.000	1	3847	5.13	M
20 Anthracene	178	9.462	9.463	-0.001	1	909	1.81	M
21 Fluoranthene	202	10.391	10.391	0.000	1	3471	4.78	M
22 Pyrene	202	10.572	10.572	0.000	22	5071	6.64	M
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	1619	2.75	M
24 Chrysene	228	11.620	11.621	-0.001	1	2055	2.52	M
25 Benzo[b]fluoranthene	252	12.705	12.700	0.005	1	1816	2.56	M
26 Benzo[k]fluoranthene	252	12.732	12.732	0.000	1	1147	1.51	M
27 Benzo[a]pyrene	252	13.073	13.073	0.000	1	1026	1.59	M
28 Indeno[1,2,3-cd]pyrene	276	14.451	14.451	0.000	1	889	1.52	M
29 Dibenzo(a,h)anthracene	278	14.494	14.494	0.000	1	400	2.78	M
30 Benzo[g,h,i]perylene	276	14.780	14.780	0.000	3	1097	1.34	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

MecI2_CT_00215

Amount Added: 1.00

Units: uL

Run Reagent

8270SIM_IS_00070

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D

Injection Date: 25-Mar-2022 19:57:30

Instrument ID: SEA101

Lims ID: 580-111436-A-1-A

Lab Sample ID: 580-111436-1

Client ID: ERH2807 (RHMW03)

Operator ID: tl

ALS Bottle#: 9

Worklist Smp#: 9

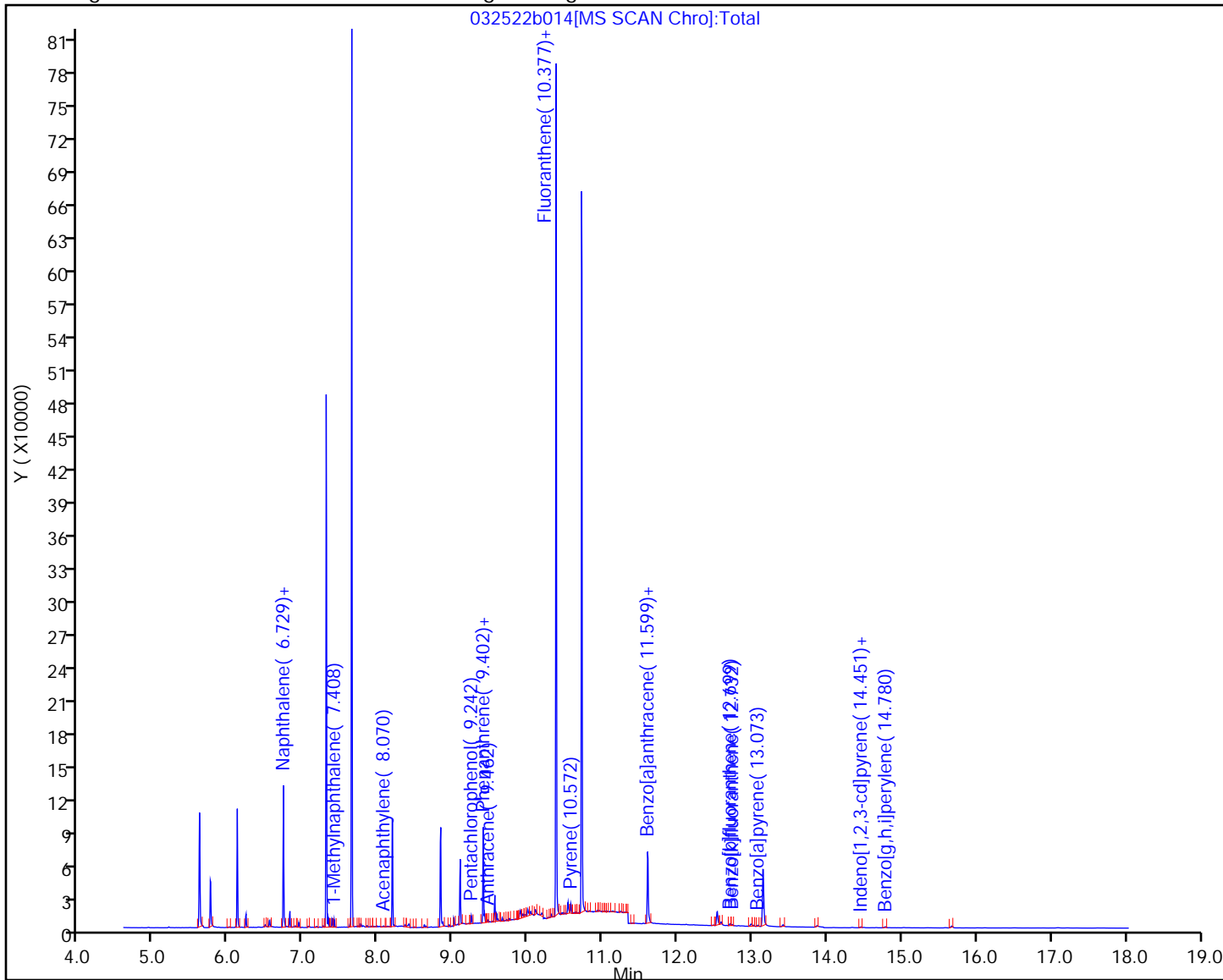
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
 Lims ID: 580-111436-A-1-A
 Client ID: ERH2807 (RHMW03)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 19:57:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-A-1-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 09:56:43 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 09:57:10

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-methylnaphthalene-d10	1000.0	566.0	56.60
\$ 8 2-Fluorobiphenyl	1000.0	556.5	55.65
\$ 9 2,4,6-Tribromophenol	1000.0	723.2	72.32
\$ 10 Fluoranthene-d10 (Surr)	1000.0	843.4	84.34
\$ 11 Terphenyl-d14	1000.0	935.7	93.57

Eurofins Seattle

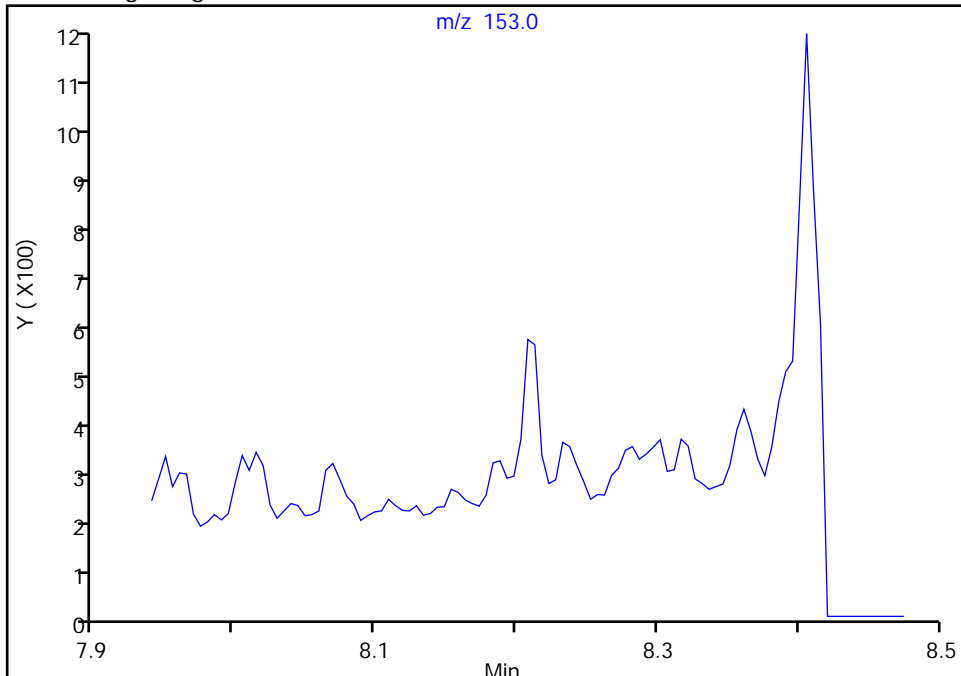
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Acenaphthene, CAS: 83-32-9

Signal: 1

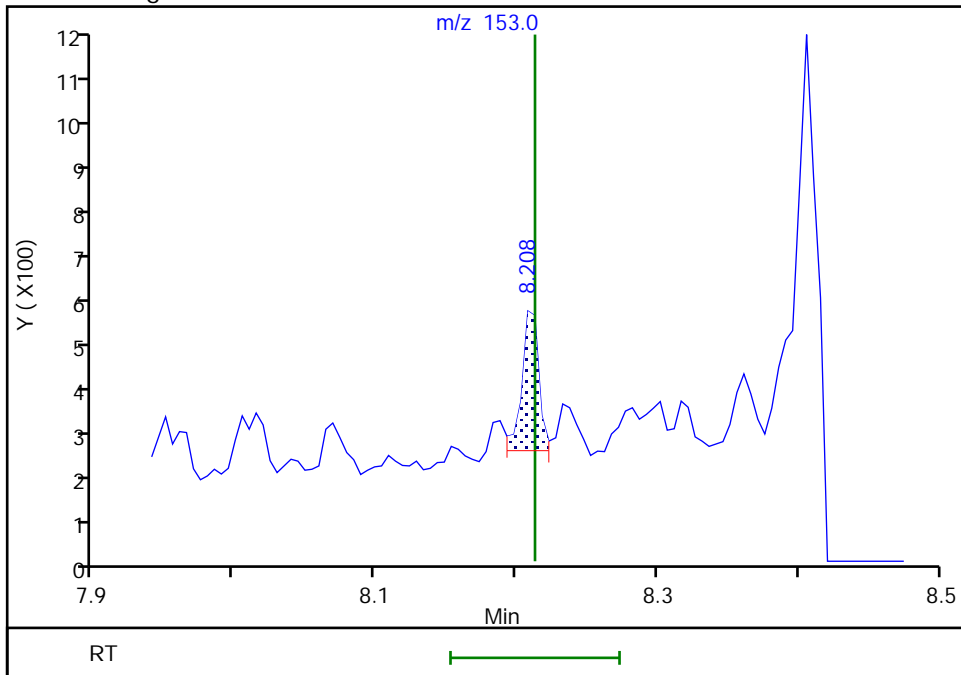
Not Detected
Expected RT: 8.21

Processing Integration Results



Manual Integration Results

RT: 8.21
Area: 241
Amount: 0.508494
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:30:10
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

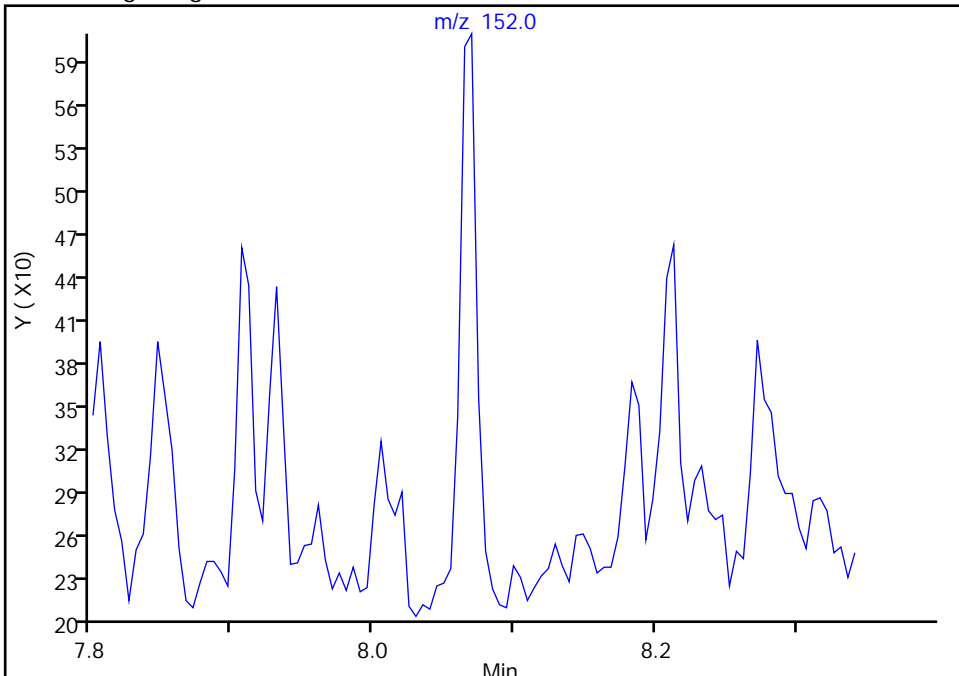
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

15 Acenaphthylene, CAS: 208-96-8

Signal: 1

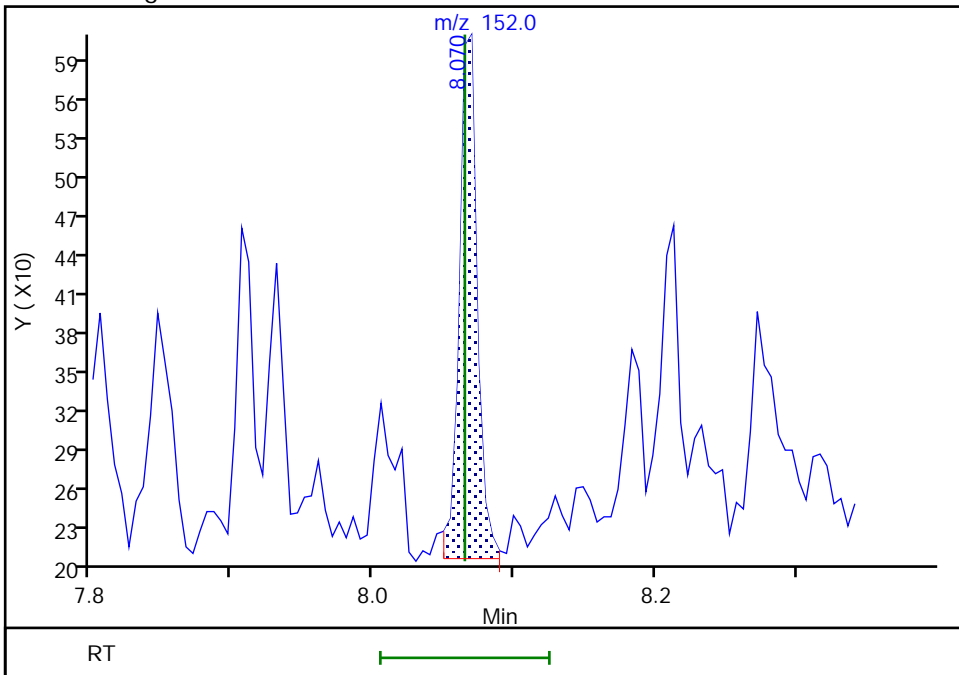
Not Detected
Expected RT: 8.06

Processing Integration Results



Manual Integration Results

RT: 8.07
Area: 351
Amount: 0.537964
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:30:06
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

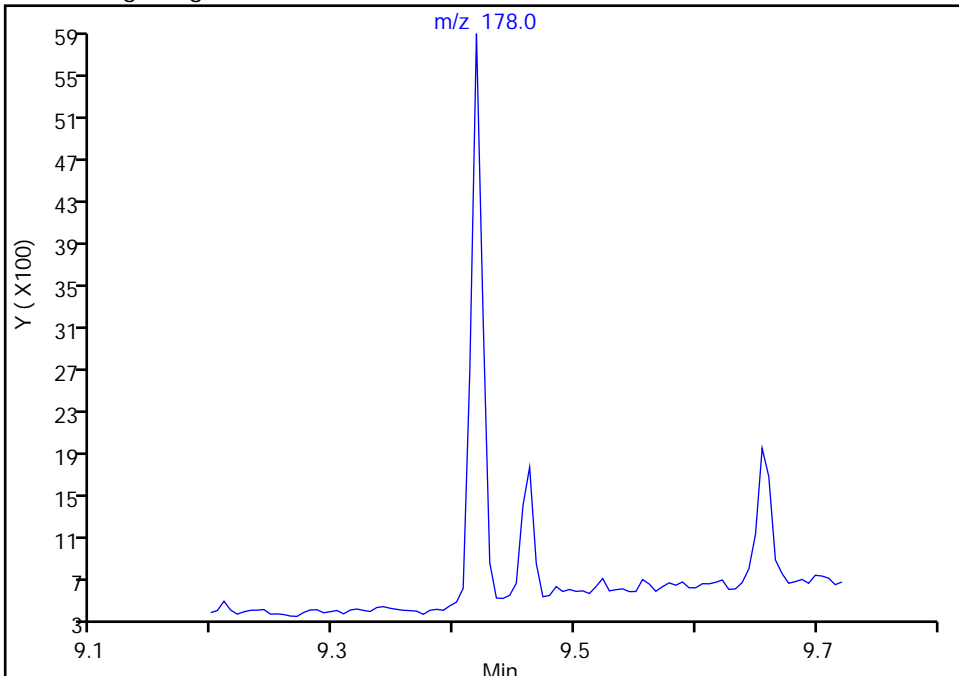
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Anthracene, CAS: 120-12-7

Signal: 1

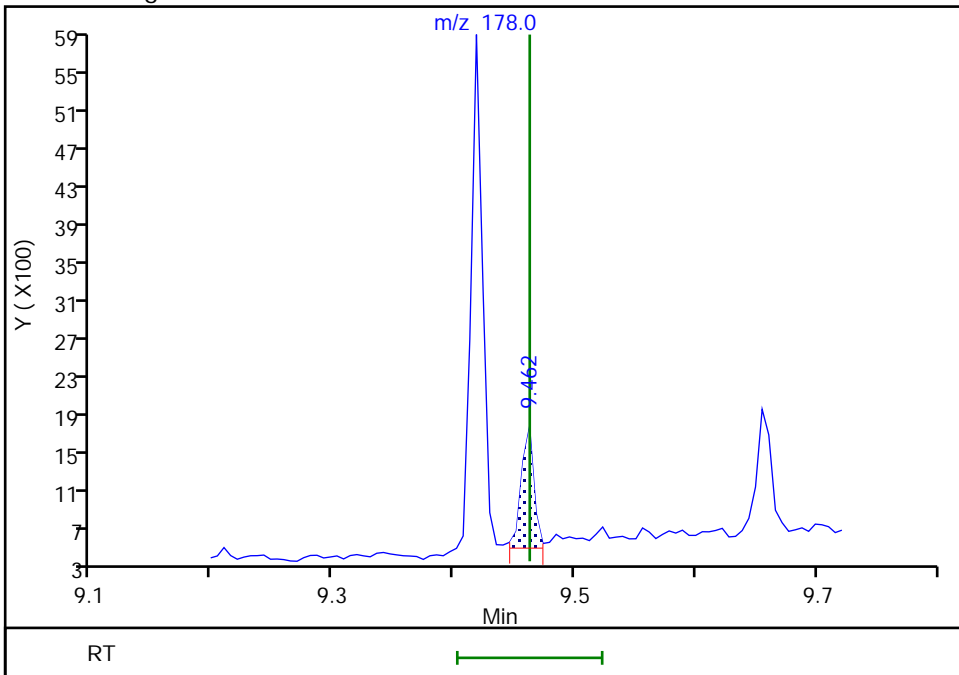
Not Detected
Expected RT: 9.46

Processing Integration Results



Manual Integration Results

RT: 9.46
Area: 909
Amount: 1.807026
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:30:42
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

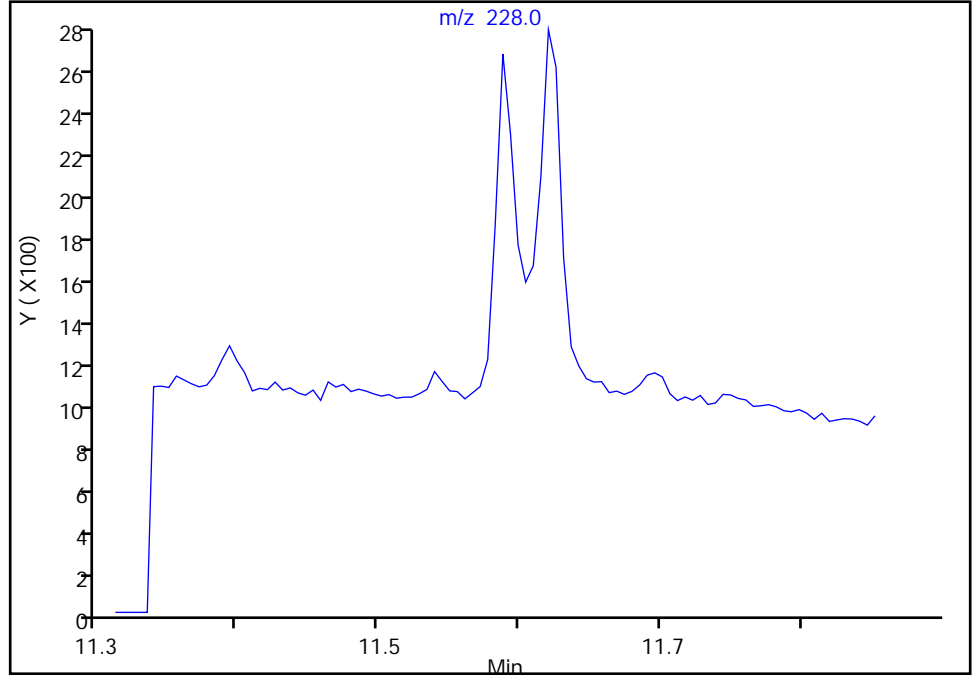
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

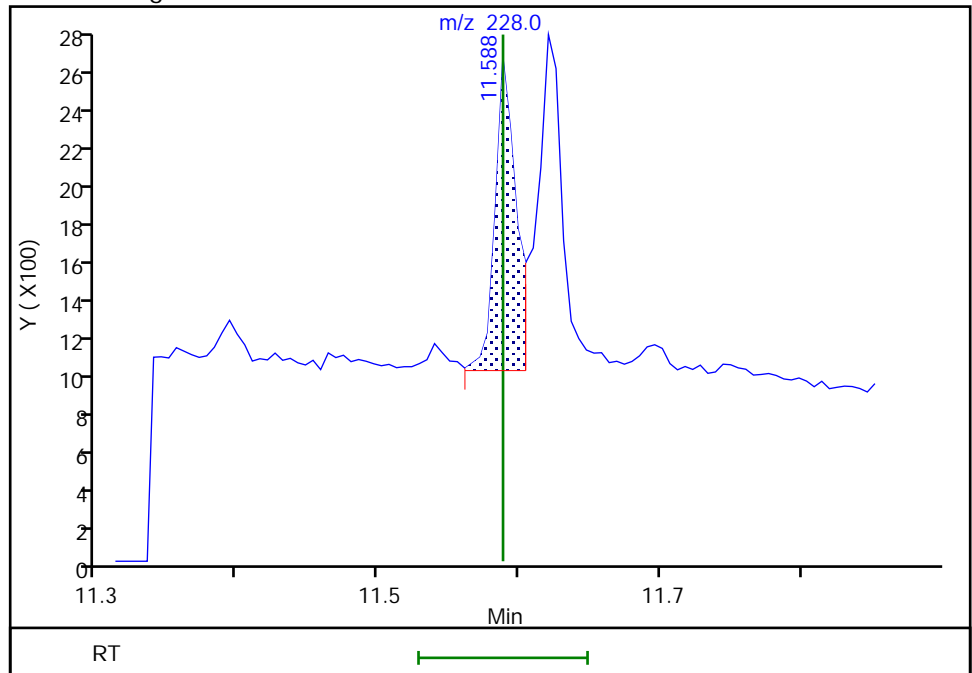
Not Detected
Expected RT: 11.59

Processing Integration Results



Manual Integration Results

RT: 11.59
Area: 1619
Amount: 2.754922
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:31:18
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

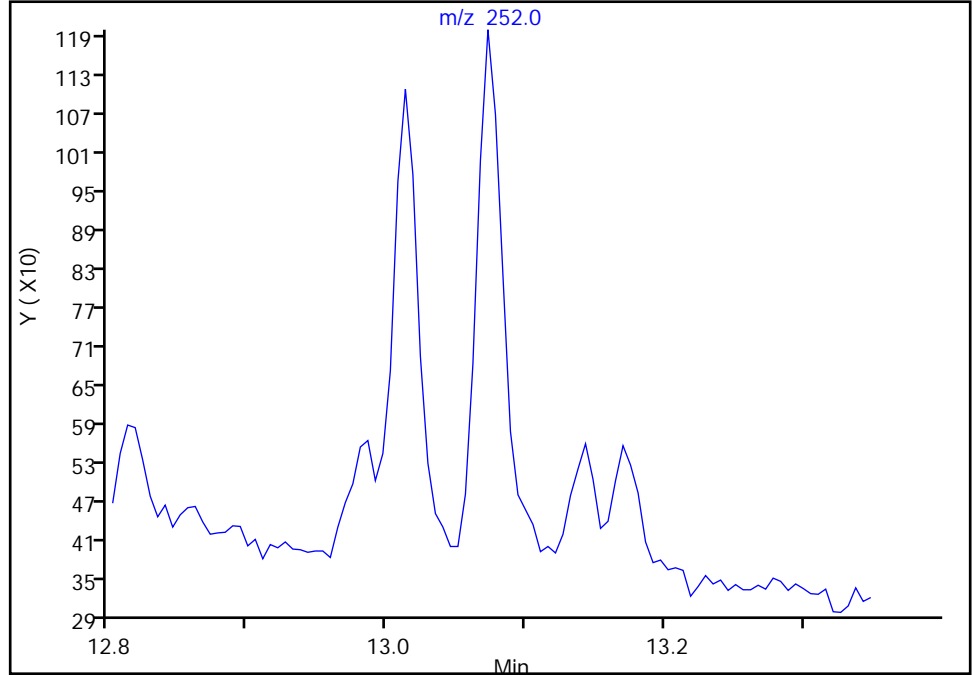
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

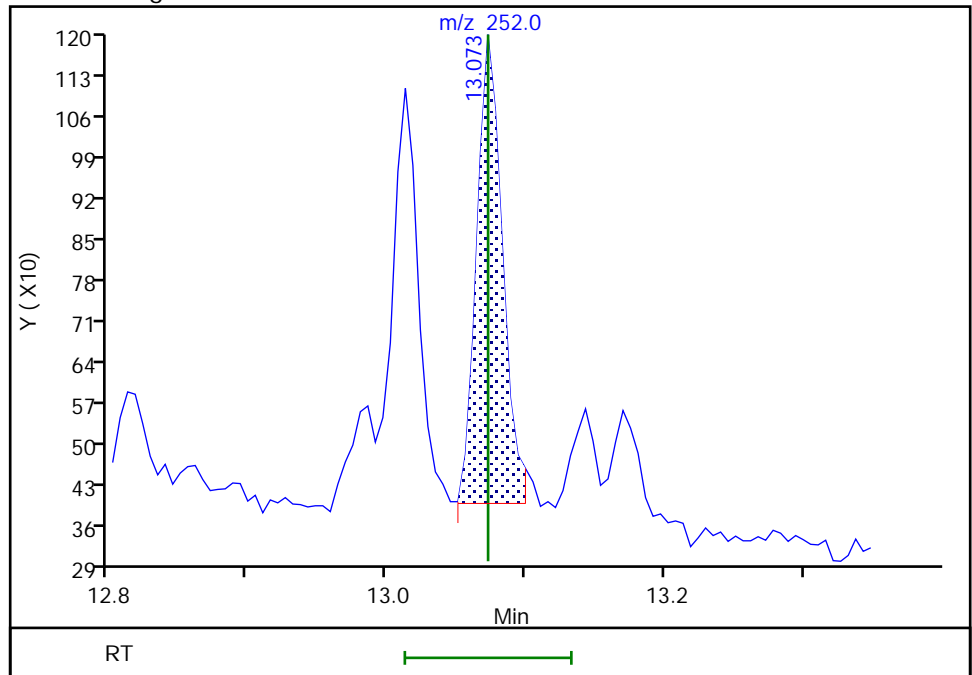
Not Detected
Expected RT: 13.07

Processing Integration Results



Manual Integration Results

RT: 13.07
Area: 1026
Amount: 1.591384
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:31:44
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

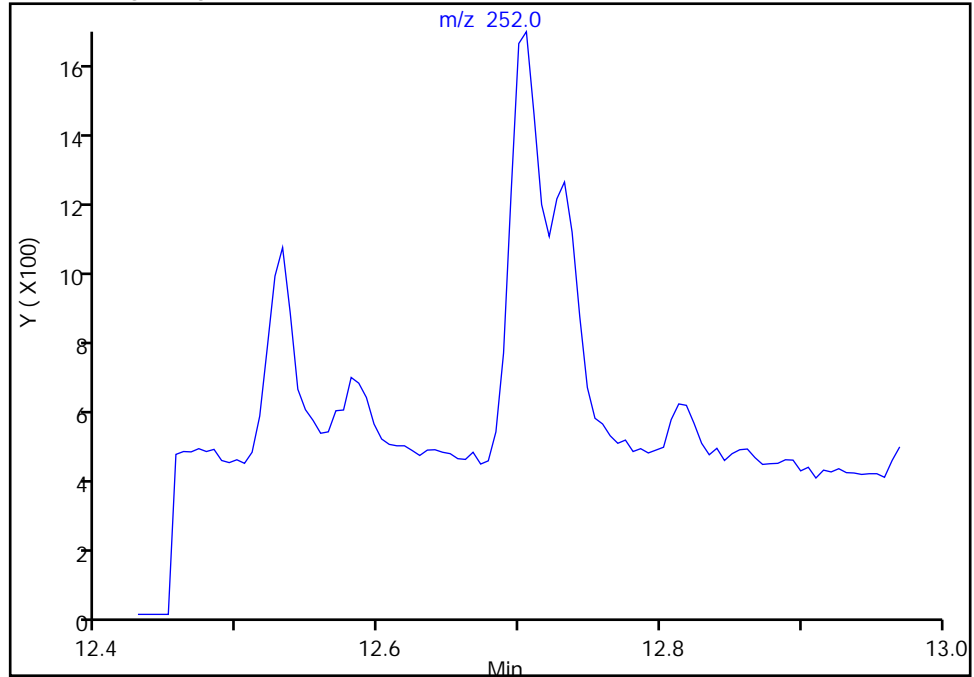
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

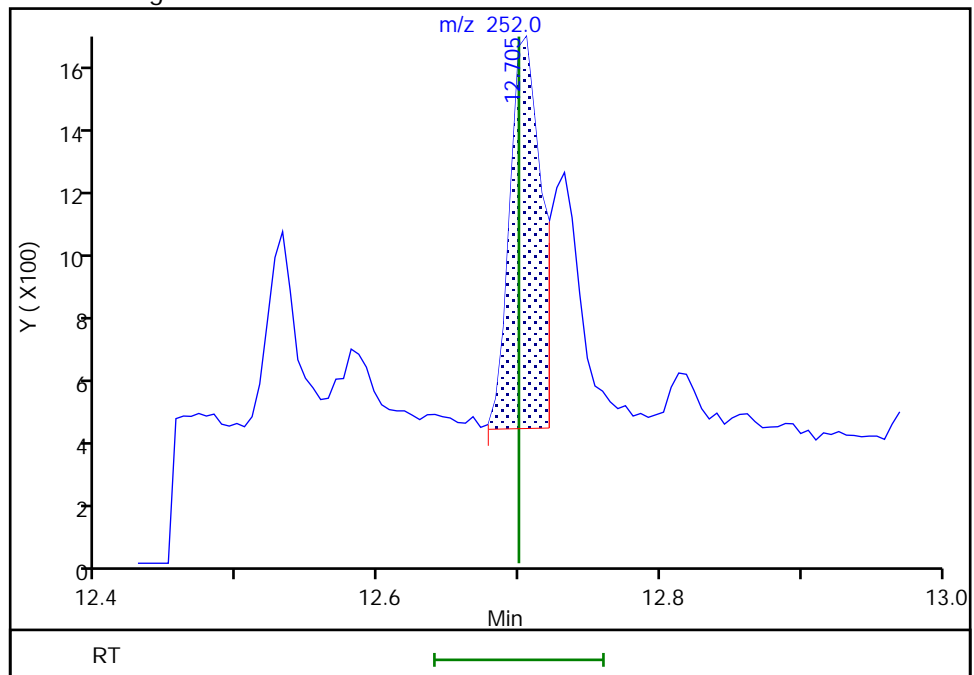
Not Detected
Expected RT: 12.70

Processing Integration Results



Manual Integration Results

RT: 12.70
Area: 1816
Amount: 2.559864
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:31:31
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

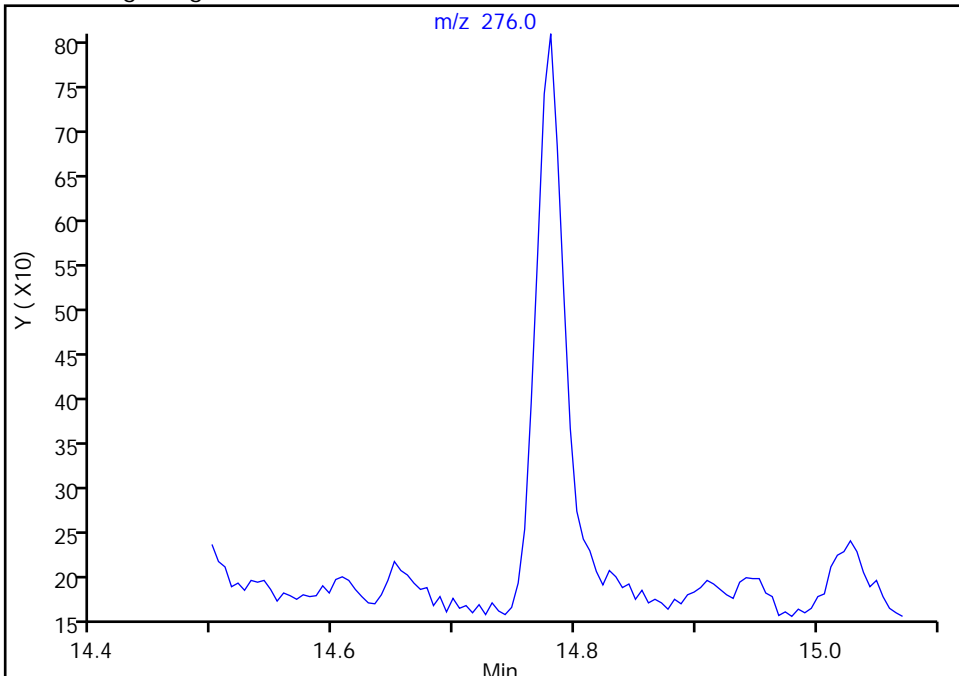
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Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

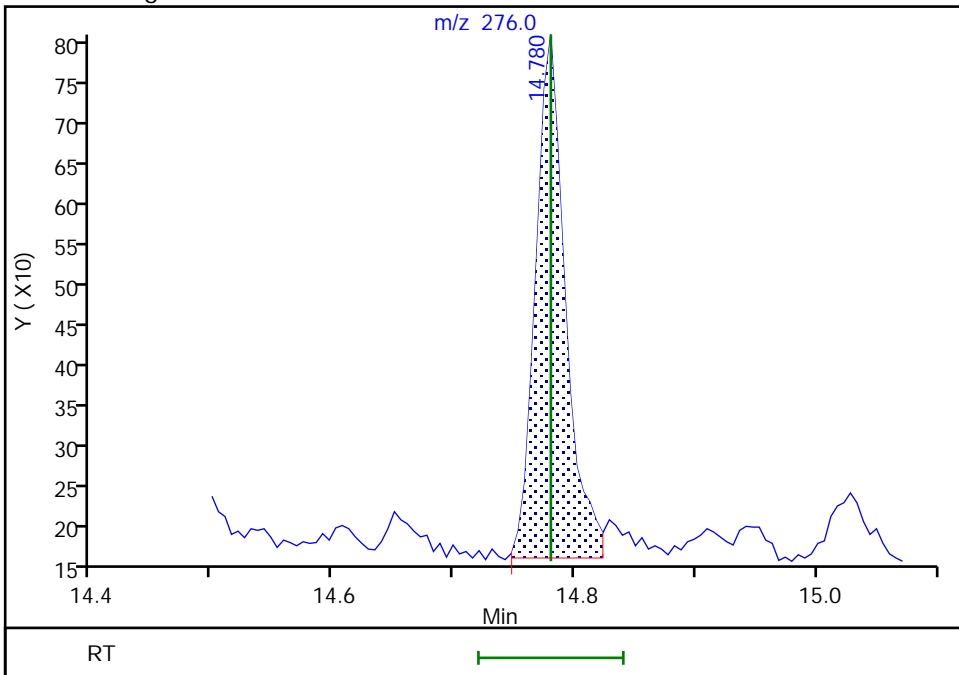
Not Detected
Expected RT: 14.78

Processing Integration Results



Manual Integration Results

RT: 14.78
Area: 1097
Amount: 1.339684
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:31:59
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

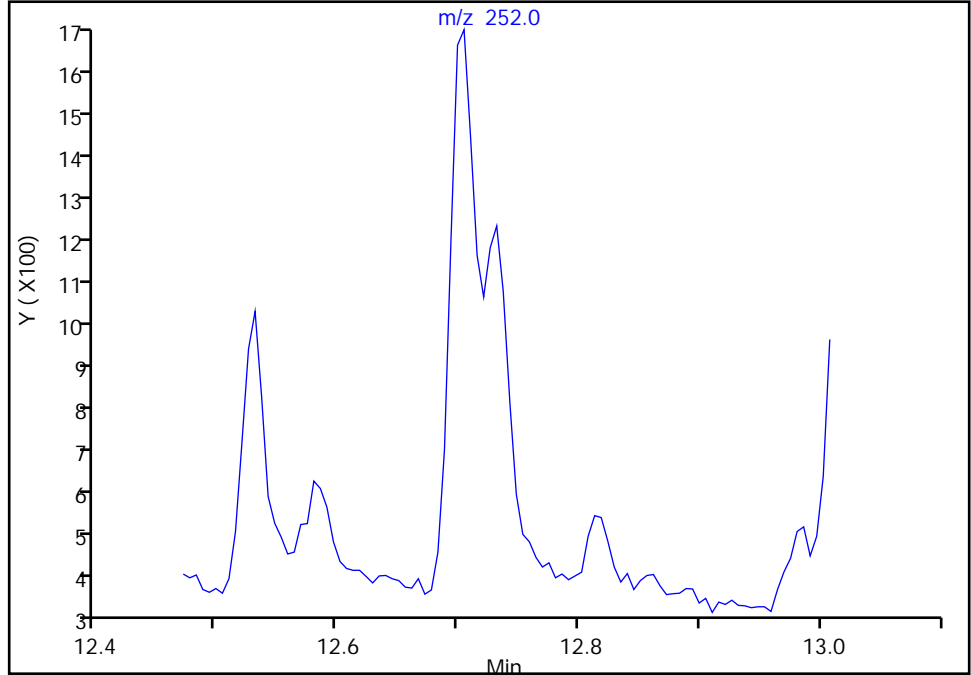
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

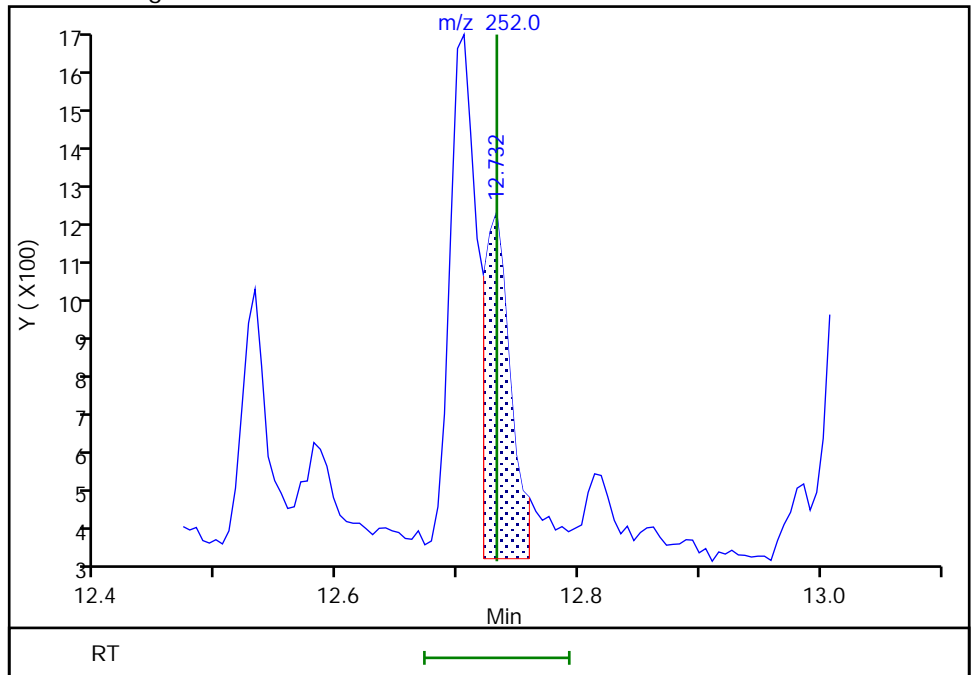
Not Detected
Expected RT: 12.73

Processing Integration Results



Manual Integration Results

RT: 12.73
Area: 1147
Amount: 1.505239
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:31:37
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

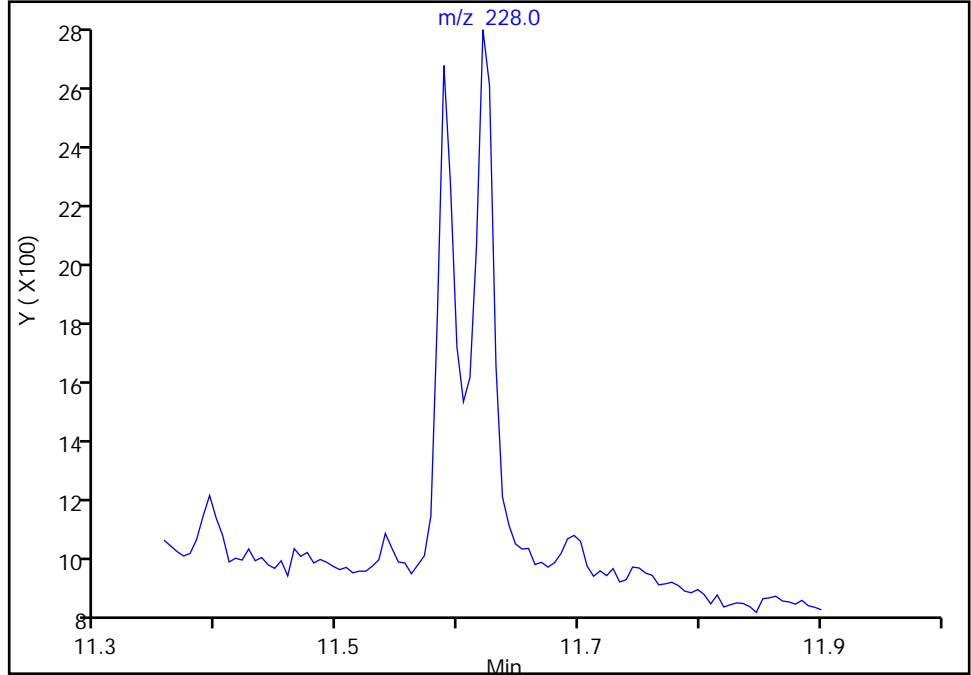
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Chrysene, CAS: 218-01-9

Signal: 1

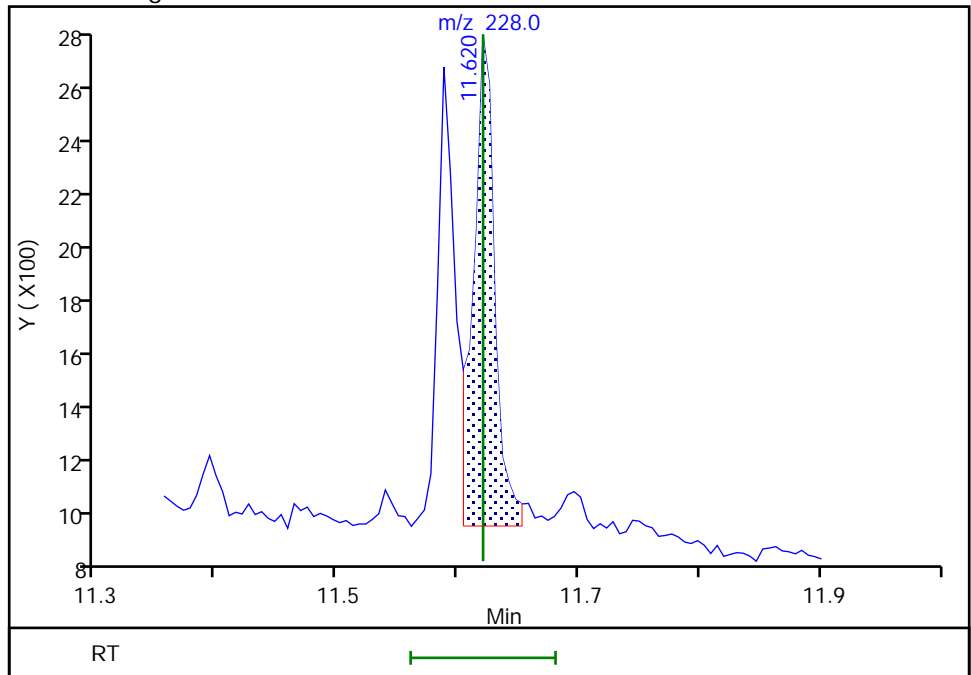
Not Detected
Expected RT: 11.62

Processing Integration Results



Manual Integration Results

RT: 11.62
Area: 2055
Amount: 2.517332
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:31:24
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

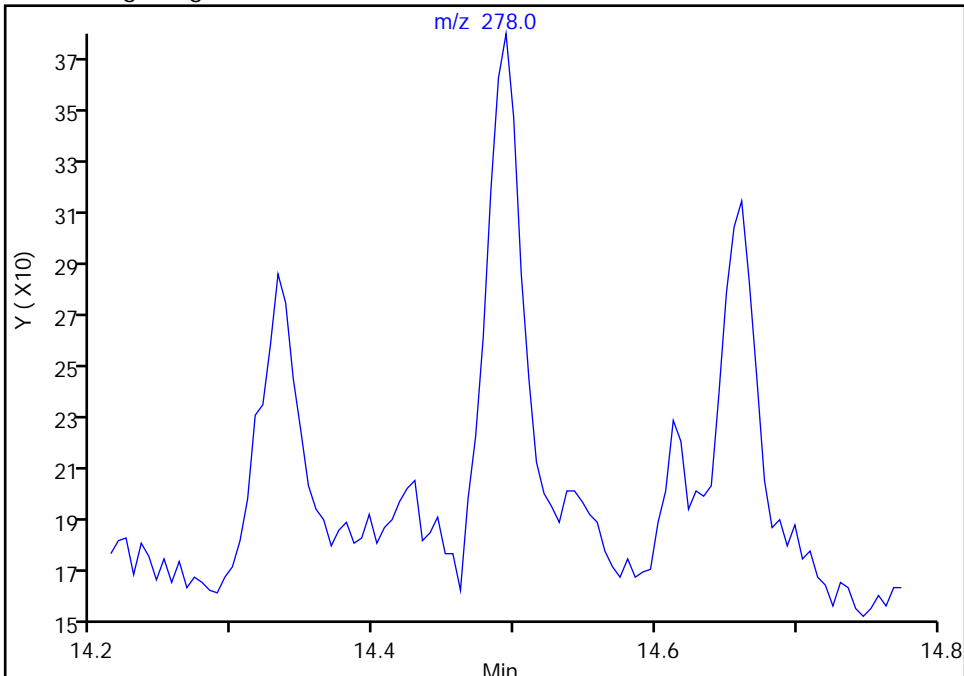
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

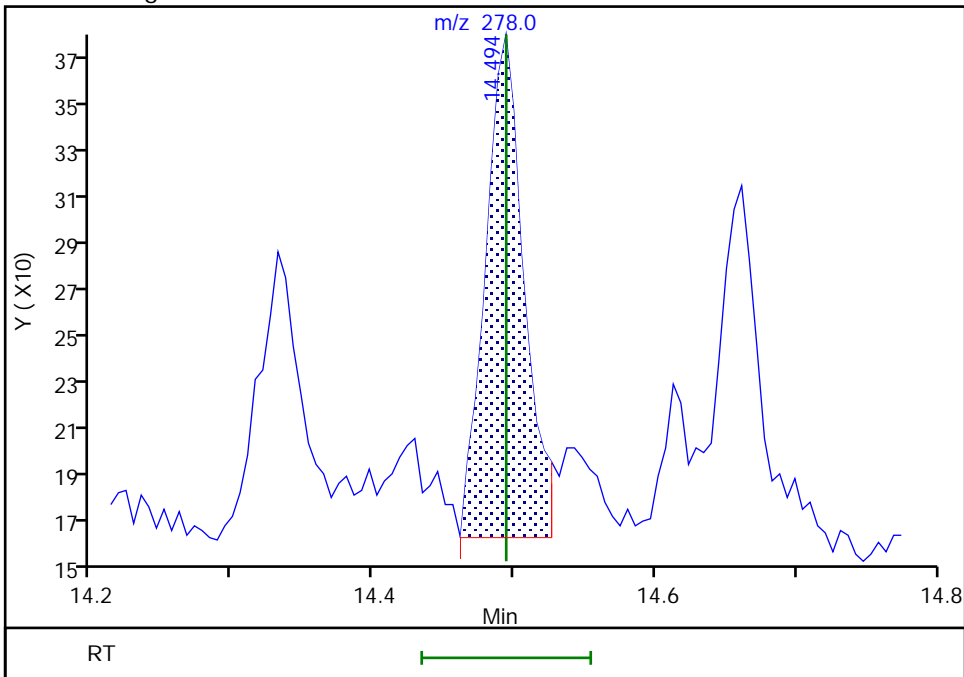
Not Detected
Expected RT: 14.49

Processing Integration Results



RT: 14.49
Area: 400
Amount: 2.776539
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 09:31:53
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

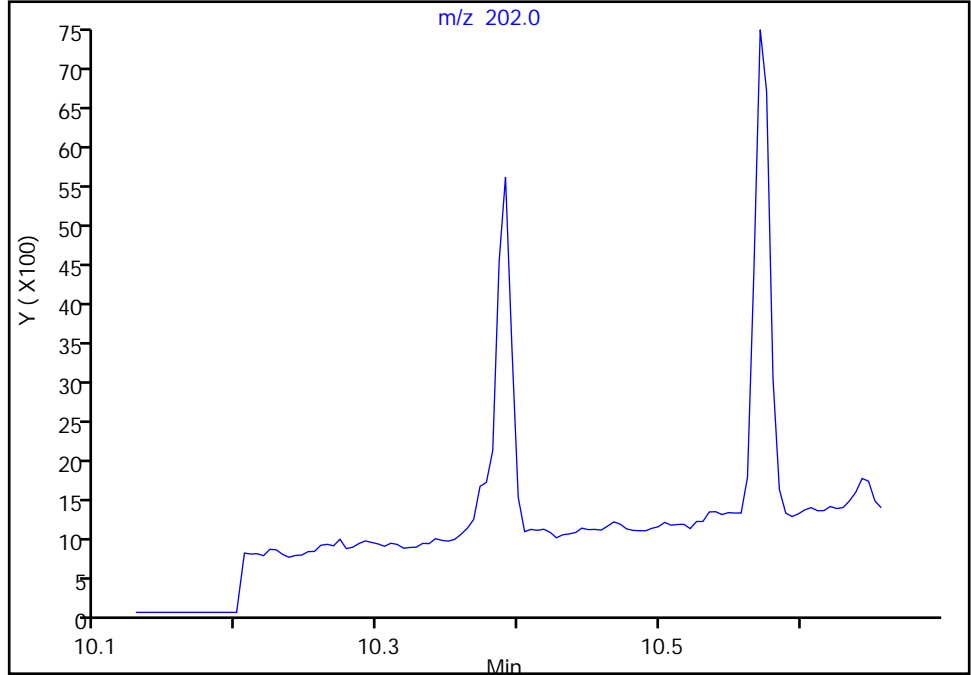
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Fluoranthene, CAS: 206-44-0

Signal: 1

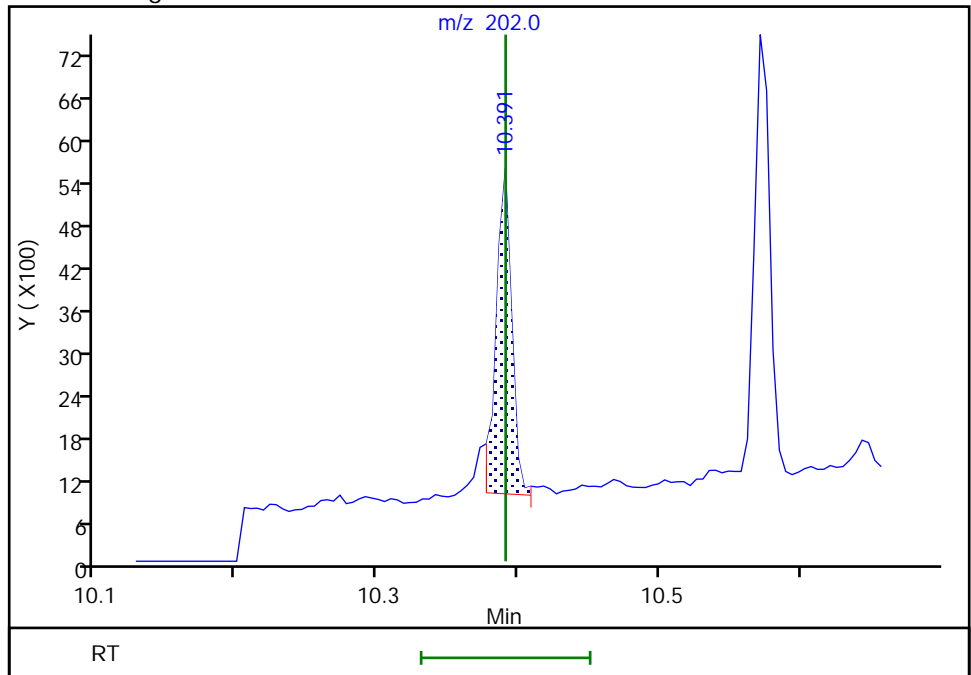
Not Detected
Expected RT: 10.39

Processing Integration Results



RT: 10.39
Area: 3471
Amount: 4.778178
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 09:30:54
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

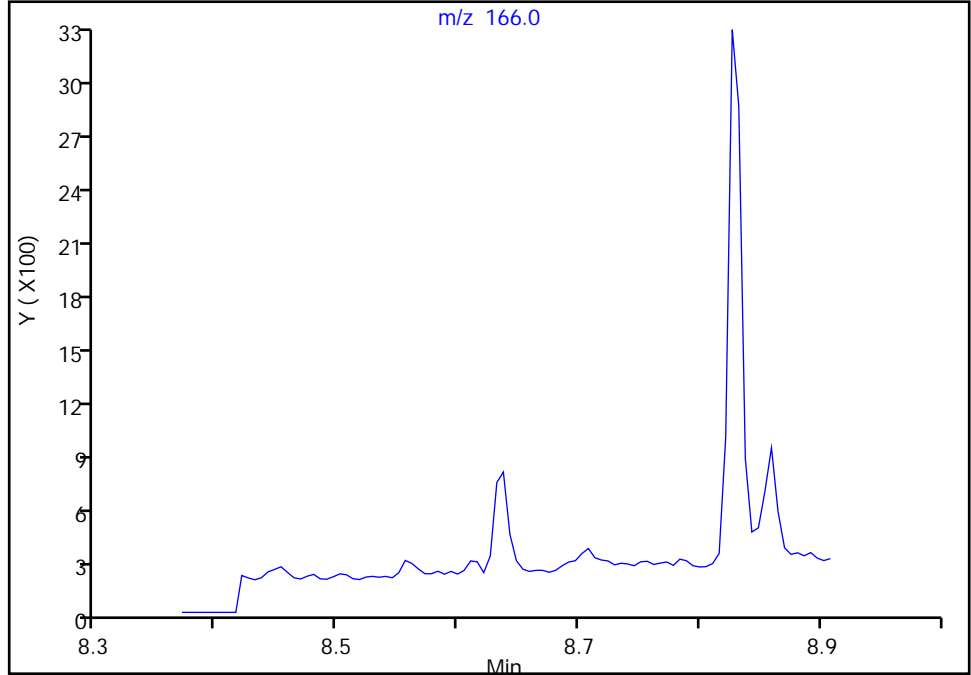
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

17 Fluorene, CAS: 86-73-7

Signal: 1

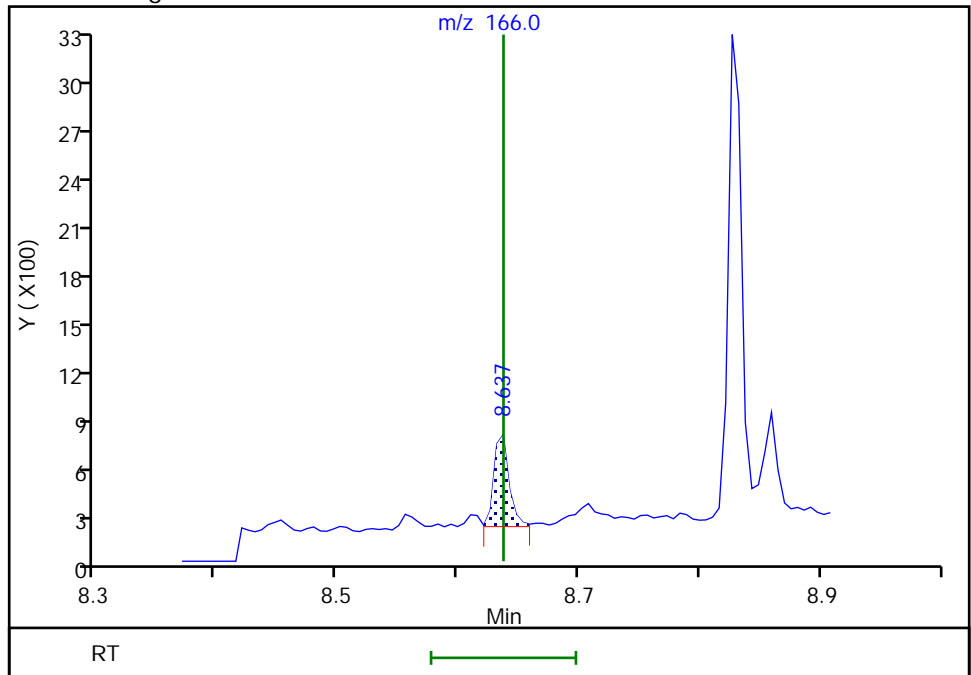
Not Detected
Expected RT: 8.64

Processing Integration Results



Manual Integration Results

RT: 8.64
Area: 497
Amount: 1.049092
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:30:18
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

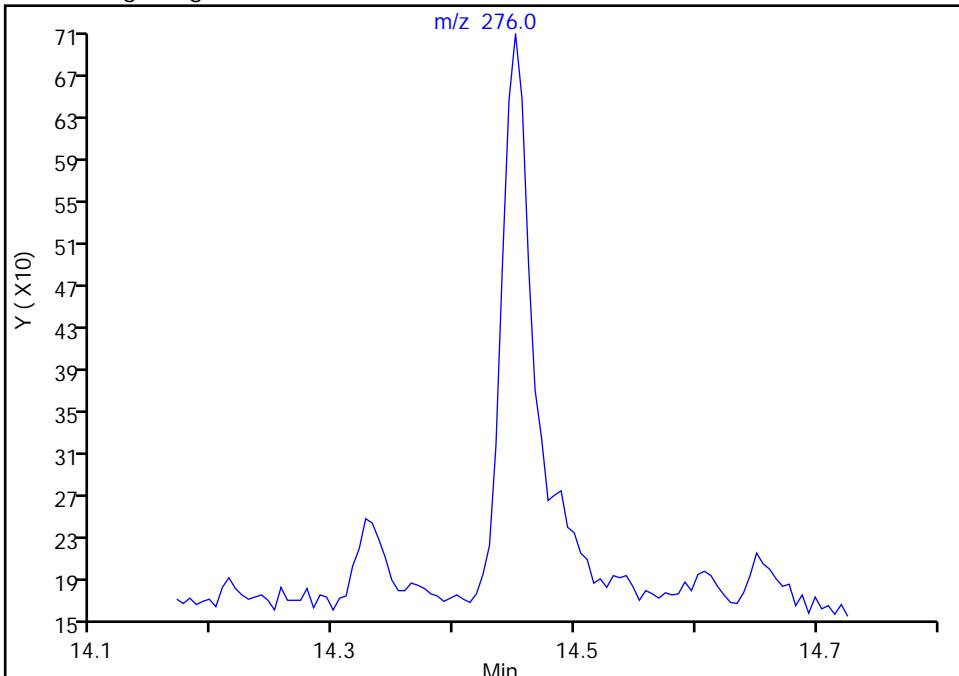
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

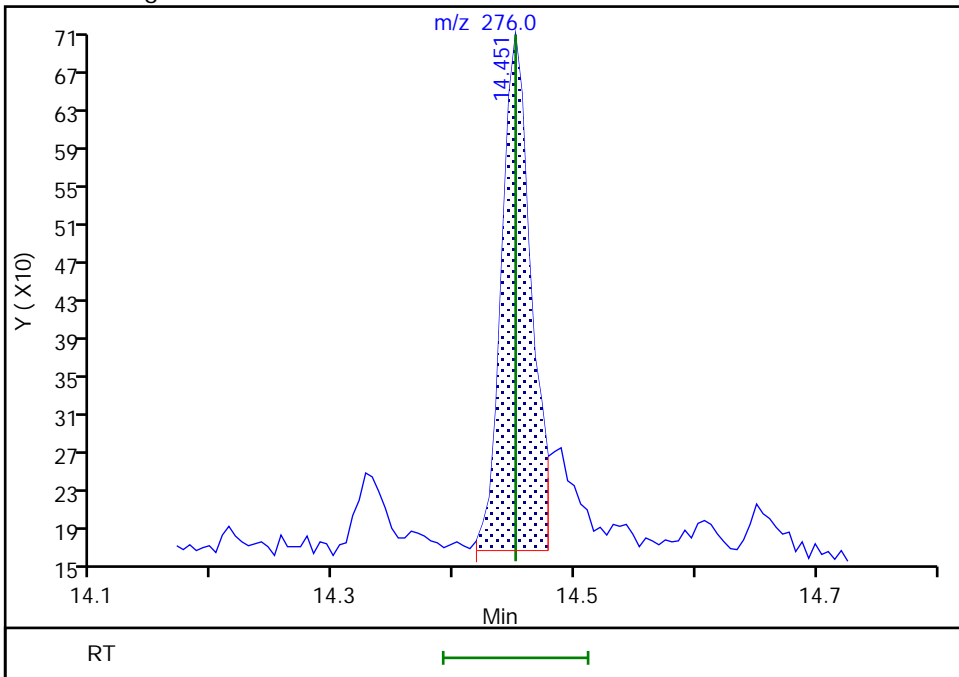
Not Detected
Expected RT: 14.45

Processing Integration Results



Manual Integration Results

RT: 14.45
Area: 889
Amount: 1.515584
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:31:48
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

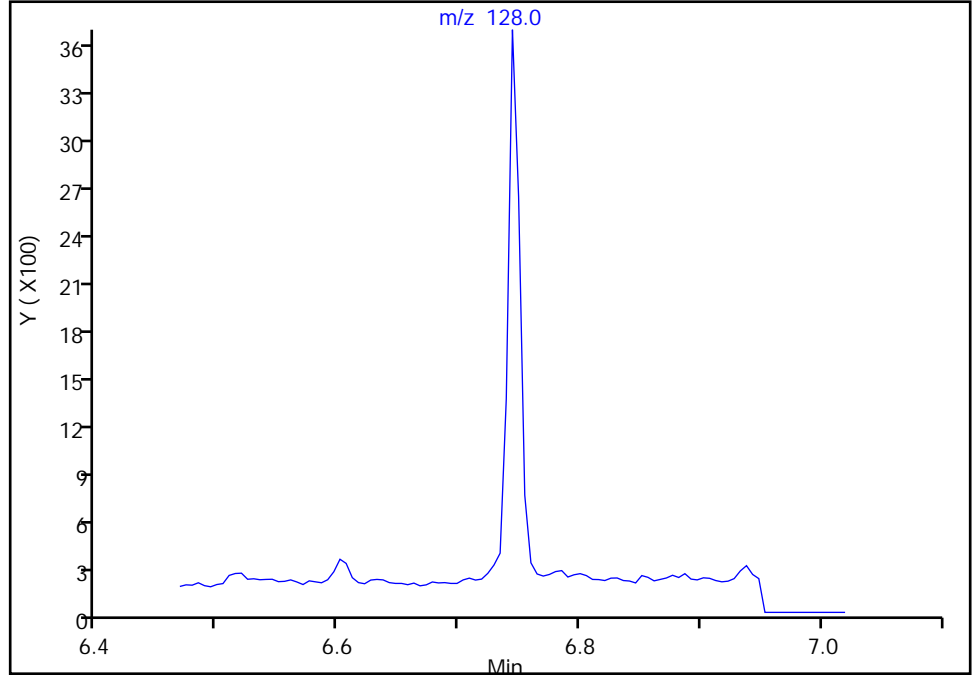
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

12 Naphthalene, CAS: 91-20-3

Signal: 1

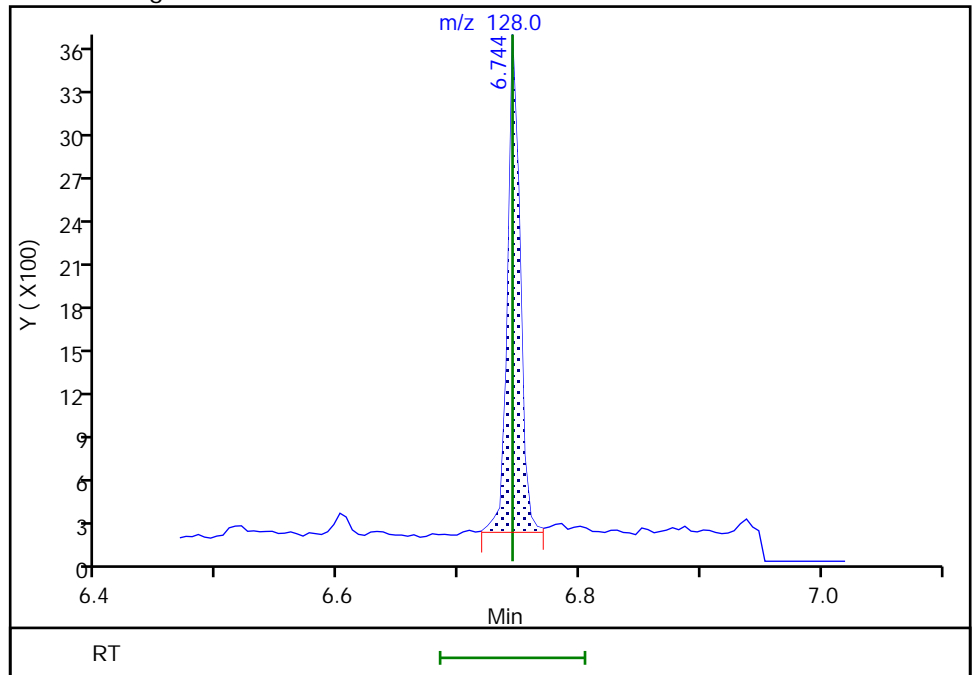
Not Detected
Expected RT: 6.74

Processing Integration Results



Manual Integration Results

RT: 6.74
Area: 2443
Amount: 2.982544
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:29:55
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

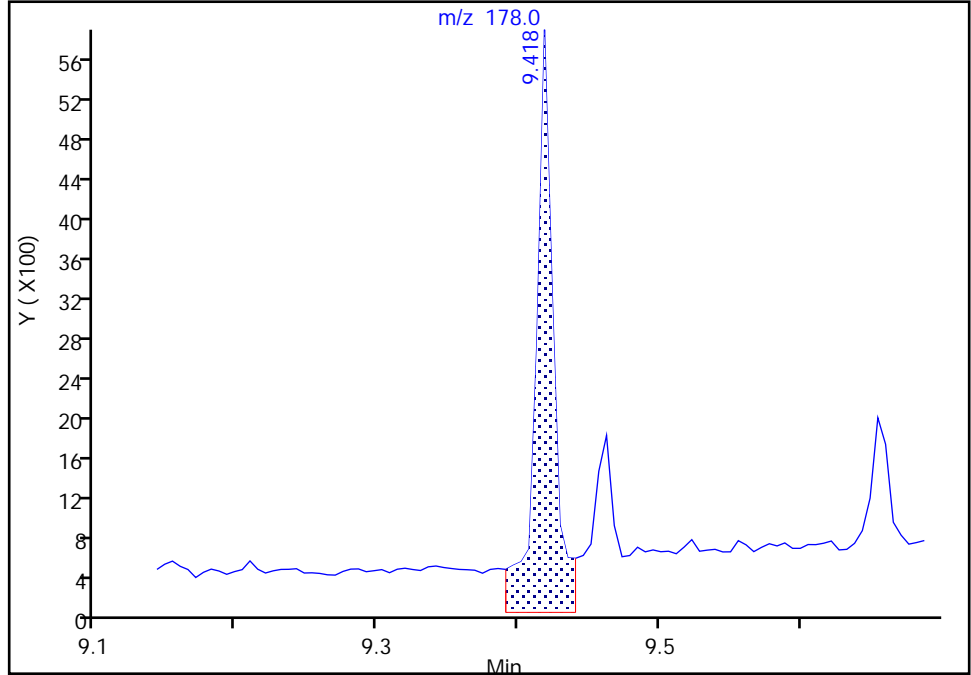
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Phenanthrene, CAS: 85-01-8

Signal: 1

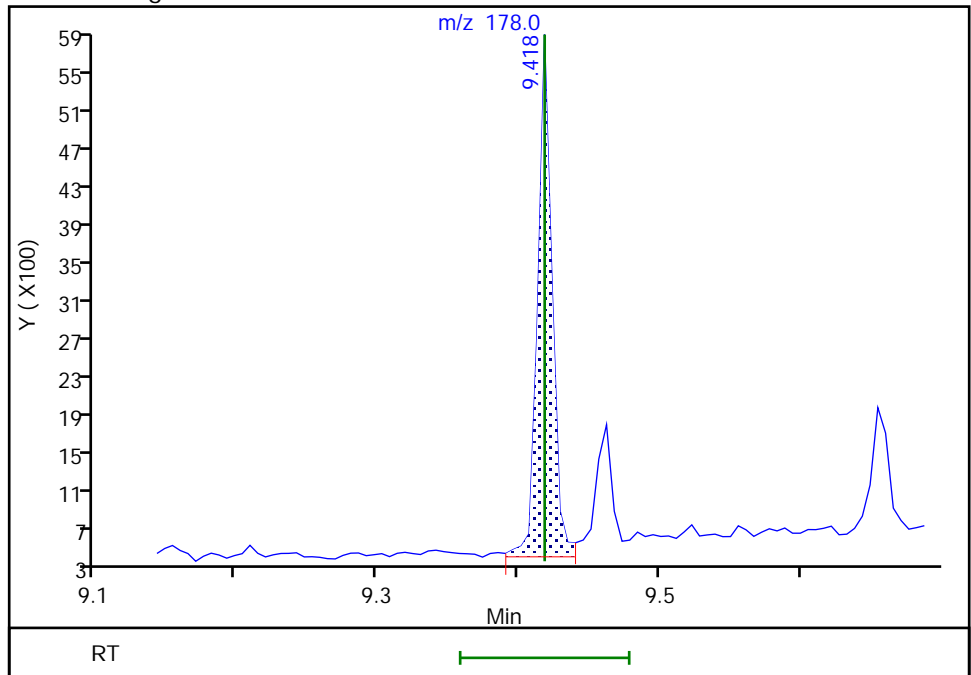
RT: 9.42
Area: 5020
Amount: 6.693826
Amount Units: ug/L

Processing Integration Results



RT: 9.42
Area: 3847
Amount: 5.129711
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 09:30:33
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

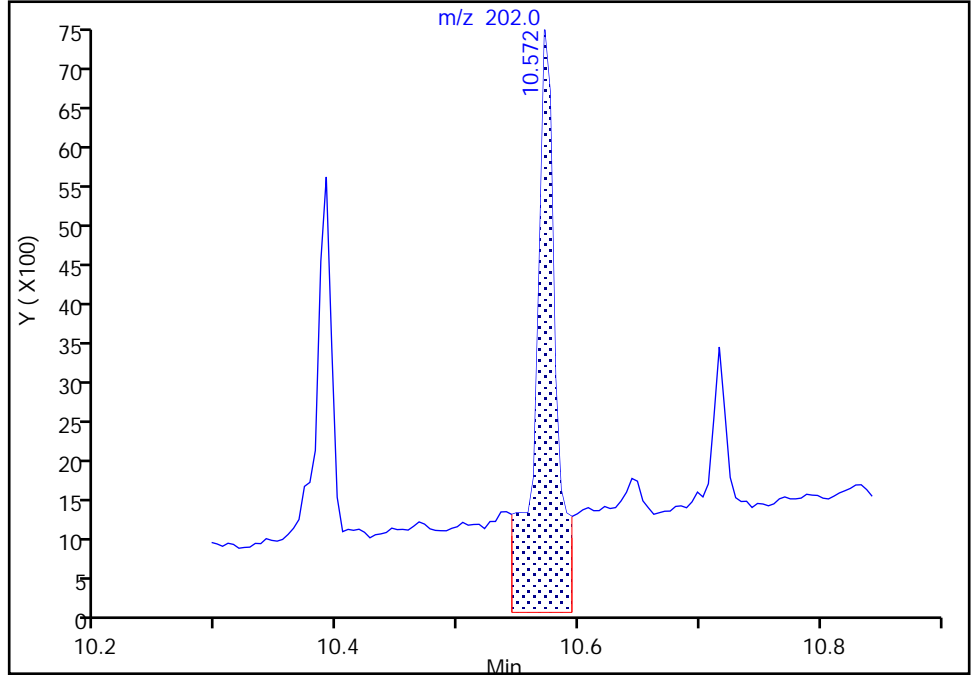
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Pyrene, CAS: 129-00-0

Signal: 1

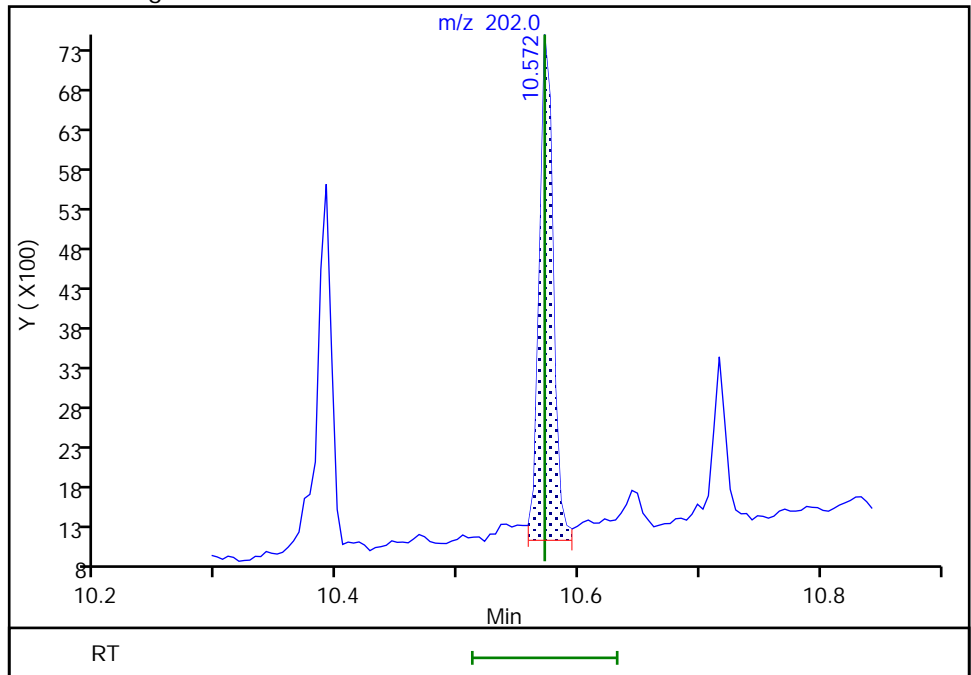
RT: 10.57
Area: 8472
Amount: 11.089330
Amount Units: ug/L

Processing Integration Results



RT: 10.57
Area: 5071
Amount: 6.637629
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 09:31:09
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

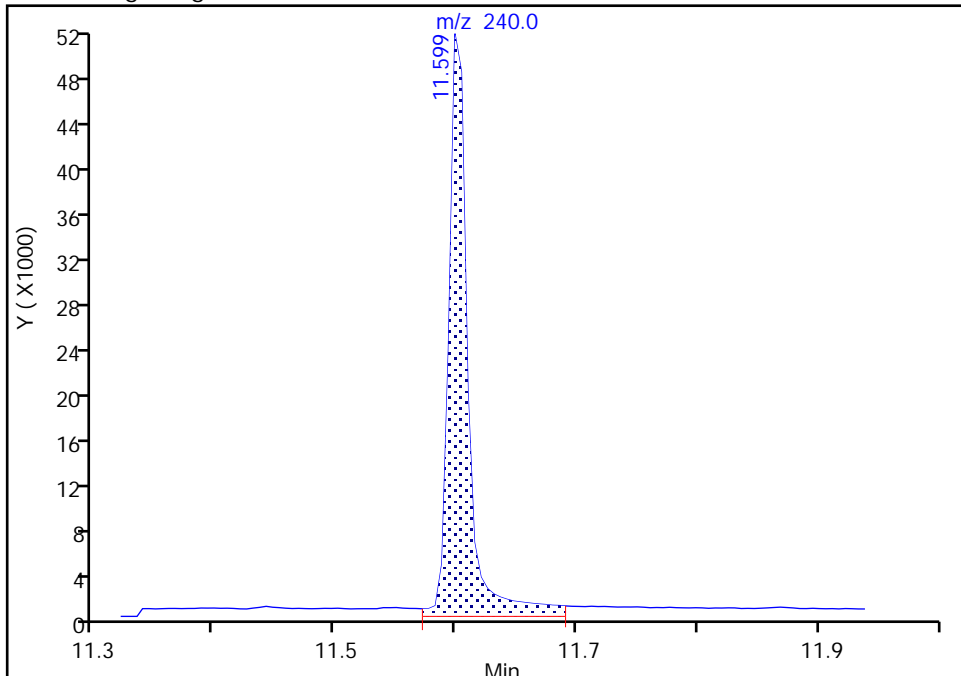
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b014.D
Injection Date: 25-Mar-2022 19:57:30 Instrument ID: SEA101
Lims ID: 580-111436-A-1-A Lab Sample ID: 580-111436-1
Client ID: ERH2807 (RHMW03)
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

* 5 Chrysene-d12, CAS: 1719-03-5

Signal: 1

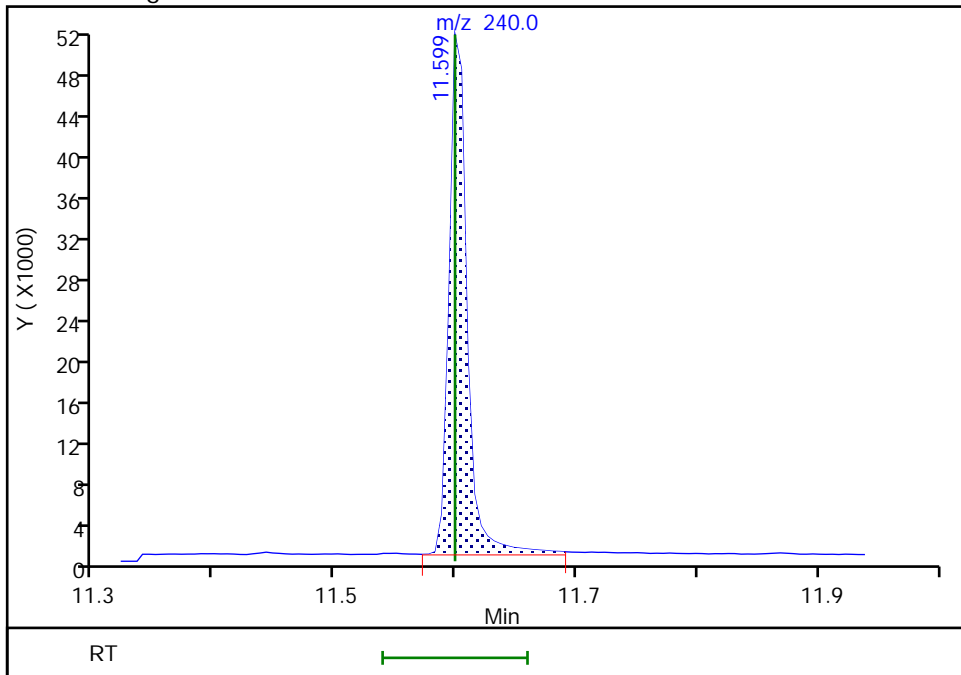
RT: 11.60
Area: 56844
Amount: 100.0000
Amount Units: ug/L

Processing Integration Results



RT: 11.60
Area: 52468
Amount: 100.0000
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 09:29:33
Audit Action: Manually Integrated

Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2803 (RHMW12A) Lab Sample ID: 580-111436-2
 Matrix: Water Lab File ID: 032522b015.D
 Analysis Method: 8270E SIM Date Collected: 03/15/2022 13:10
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 1050.6 (mL) Date Analyzed: 03/25/2022 20:21
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 385175 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.030	U	0.095	0.030	0.018
91-57-6	2-Methylnaphthalene	0.076	U	0.19	0.076	0.037
83-32-9	Acenaphthene	0.030	U M	0.095	0.030	0.013
208-96-8	Acenaphthylene	0.030	U M	0.048	0.030	0.0086
120-12-7	Anthracene	0.076	U M	0.095	0.076	0.021
56-55-3	Benzo[a]anthracene	0.030	U M	0.048	0.030	0.013
50-32-8	Benzo[a]pyrene	0.030	U M	0.095	0.030	0.010
205-99-2	Benzo[b]fluoranthene	0.030	U M	0.048	0.030	0.010
191-24-2	Benzo[g,h,i]perylene	0.030	U M	0.048	0.030	0.011
207-08-9	Benzo[k]fluoranthene	0.030	U M	0.048	0.030	0.011
218-01-9	Chrysene	0.030	U M	0.095	0.030	0.015
53-70-3	Dibenz(a,h)anthracene	0.030	U M	0.095	0.030	0.025
206-44-0	Fluoranthene	0.030	U M	0.19	0.030	0.017
86-73-7	Fluorene	0.030	U M	0.095	0.030	0.016
193-39-5	Indeno[1,2,3-cd]pyrene	0.030	U M	0.048	0.030	0.013
91-20-3	Naphthalene	0.076	U M	0.095	0.076	0.030
85-01-8	Phenanthrene	0.076	U M	0.095	0.076	0.030
129-00-0	Pyrene	0.076	U M	0.095	0.076	0.031

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	68		40-140
93951-69-0	Fluoranthene-d10 (Surr)	94		40-140
1718-51-0	Terphenyl-d14	105		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
 Lims ID: 580-111436-A-2-A
 Client ID: ERH2803 (RHMW12A)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 20:21:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-A-2-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 10:55:09 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 11:24:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	59303	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	78053	100.0	
* 3 Acenaphthene-d10	164	8.183	8.183	0.000	1	36136	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	59871	100.0	
* 5 Chrysene-d12	240	11.599	11.599	0.000	1	47190	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	51329	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.300	0.000	96	291890	682.5	
\$ 8 2-Fluorobiphenyl	172	7.642	7.643	0.000	1	367687	661.8	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	55384	792.2	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	537613	936.9	
\$ 11 Terphenyl-d14	244	10.716	10.716	0.000	1	431262	1051.0	
12 Naphthalene	128	6.744	6.744	0.000	1	1953	2.41	M
13 2-Methylnaphthalene	142	7.326	7.331	-0.005	1	1147	2.36	
14 1-Methylnaphthalene	142	7.408	7.408	0.000	1	567	1.19	
15 Acenaphthylene	152	8.065	8.065	0.000	1	424	0.6688	M
16 Acenaphthene	153	8.208	8.213	-0.005	1	365	0.7926	M
17 Fluorene	166	8.637	8.637	0.000	1	437	0.9494	M
18 Pentachlorophenol	266	9.248	9.242	0.006	1	275	101.8	M
19 Phenanthrene	178	9.418	9.419	0.000	1	1414	2.02	M
20 Anthracene	178	9.462	9.463	-0.001	1	477	1.25	M
21 Fluoranthene	202	10.391	10.391	0.000	1	628	0.9241	M
22 Pyrene	202	10.572	10.572	0.000	8	1423	1.99	M
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	528	1.02	M
24 Chrysene	228	11.621	11.621	0.000	1	550	0.6486	M
25 Benzo[b]fluoranthene	252	12.699	12.700	-0.001	1	332	0.5446	M
26 Benzo[k]fluoranthene	252	12.732	12.732	0.000	1	187	0.4590	M
27 Benzo[a]pyrene	252	13.073	13.073	0.000	1	224	0.4043	M
28 Indeno[1,2,3-cd]pyrene	276	14.451	14.451	0.000	1	329	0.6526	M
29 Dibenz(a,h)anthracene	278	14.494	14.494	0.000	1	206	2.55	M
30 Benzo[g,h,i]perylene	276	14.780	14.780	0.000	1	382	0.5428	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

MecI2_CT_00215

Amount Added: 1.00

Units: uL

Run Reagent

8270SIM_IS_00070

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D

Injection Date: 25-Mar-2022 20:21:30

Instrument ID: SEA101

Lims ID: 580-111436-A-2-A

Lab Sample ID: 580-111436-2

Client ID: ERH2803 (RHMW12A)

Operator ID: tl

ALS Bottle#: 10

Worklist Smp#: 10

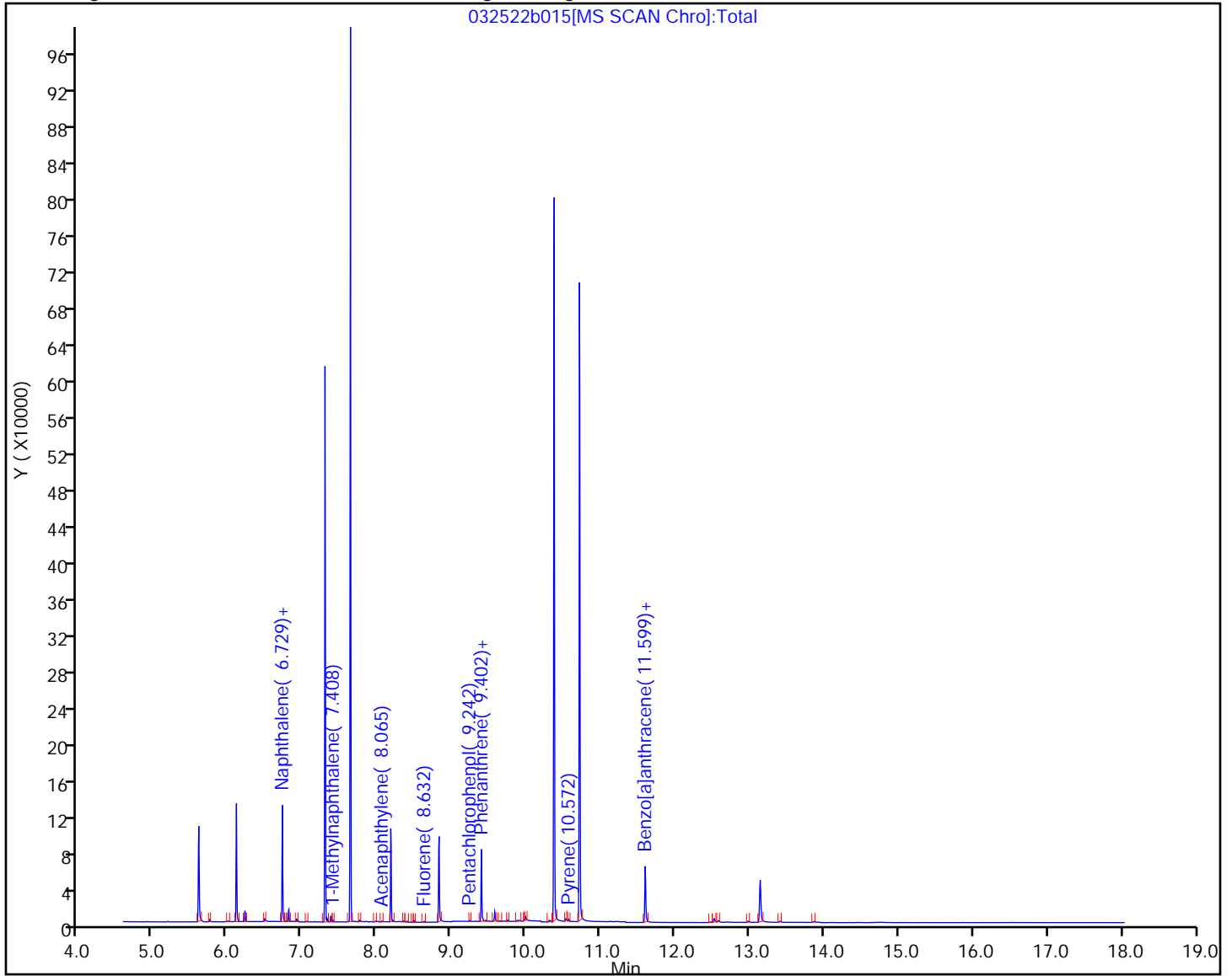
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
 Lims ID: 580-111436-A-2-A
 Client ID: ERH2803 (RHMW12A)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 20:21:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-A-2-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 10:55:09 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt Date: 28-Mar-2022 11:24:25

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-methylnaphthalene-d10	1000.0	682.5	68.25
\$ 8 2-Fluorobiphenyl	1000.0	661.8	66.18
\$ 9 2,4,6-Tribromophenol	1000.0	792.2	79.22
\$ 10 Fluoranthene-d10 (Surr)	1000.0	936.9	93.69
\$ 11 Terphenyl-d14	1000.0	1051.0	105.10

Eurofins Seattle

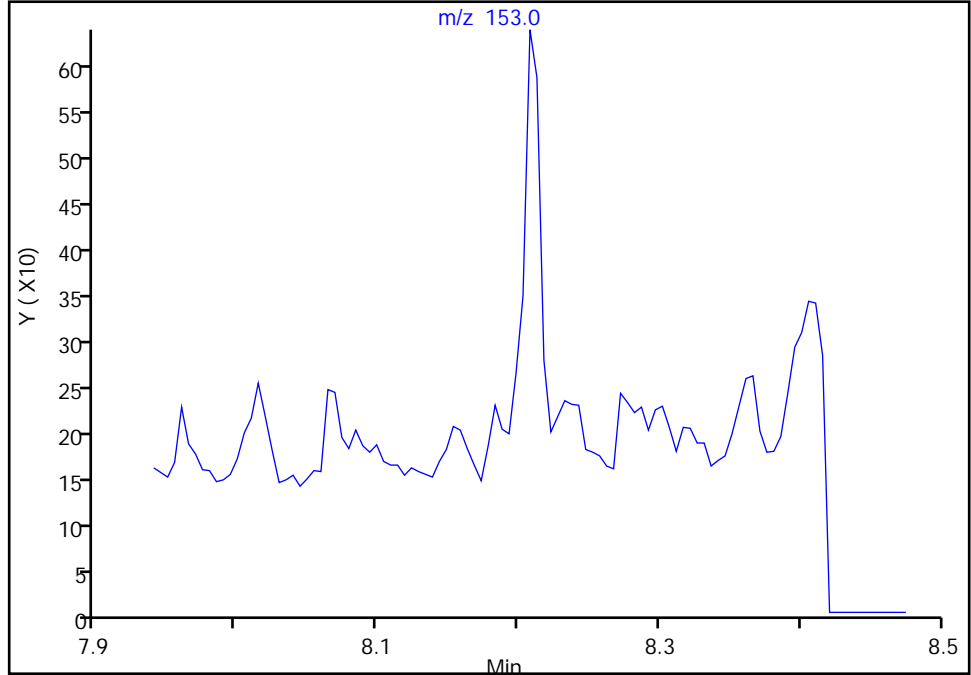
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Acenaphthene, CAS: 83-32-9

Signal: 1

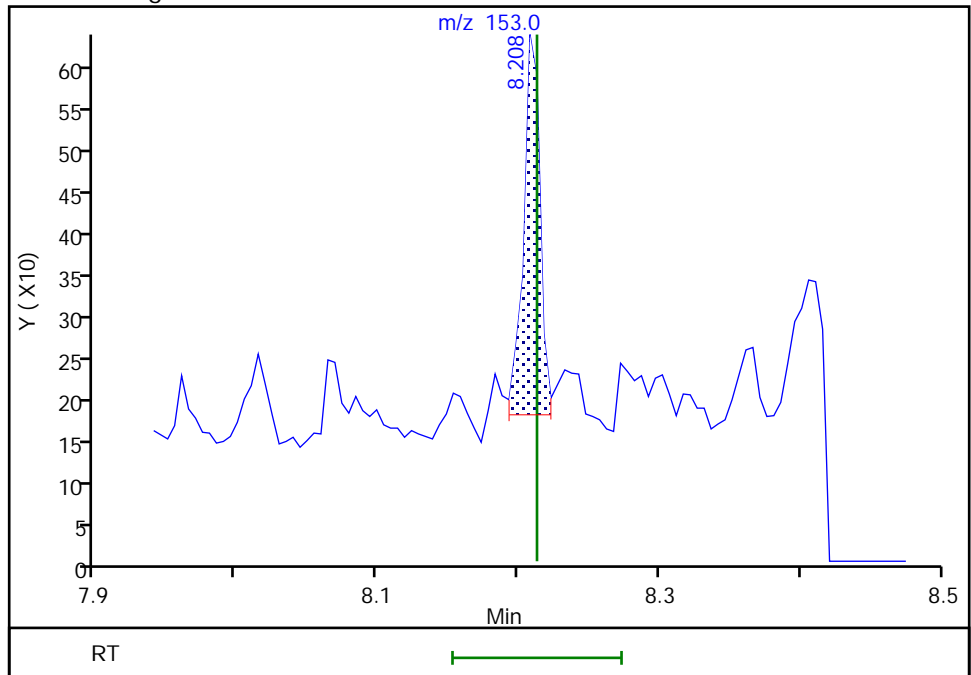
Not Detected
Expected RT: 8.21

Processing Integration Results



Manual Integration Results

RT: 8.21
Area: 365
Amount: 0.792609
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:58:48
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

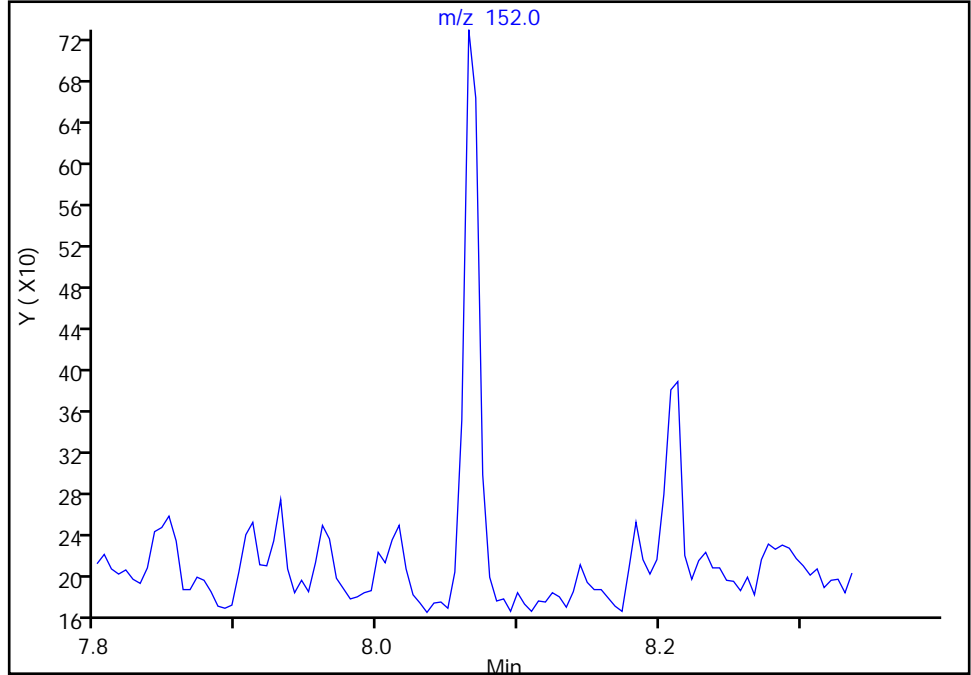
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

15 Acenaphthylene, CAS: 208-96-8

Signal: 1

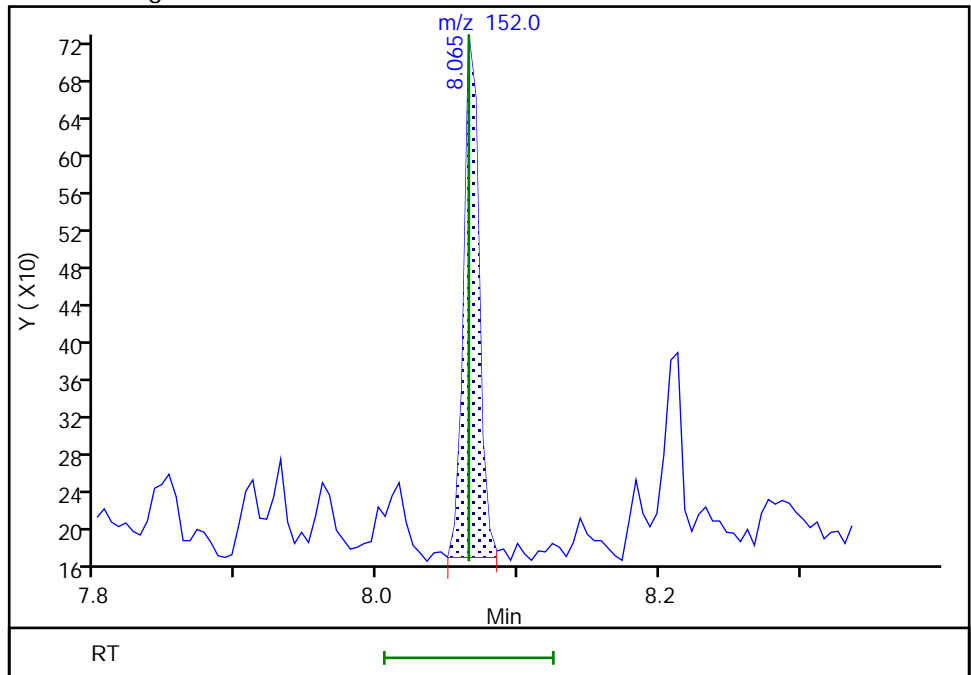
Not Detected
Expected RT: 8.06

Processing Integration Results



Manual Integration Results

RT: 8.06
Area: 424
Amount: 0.668820
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:58:40
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

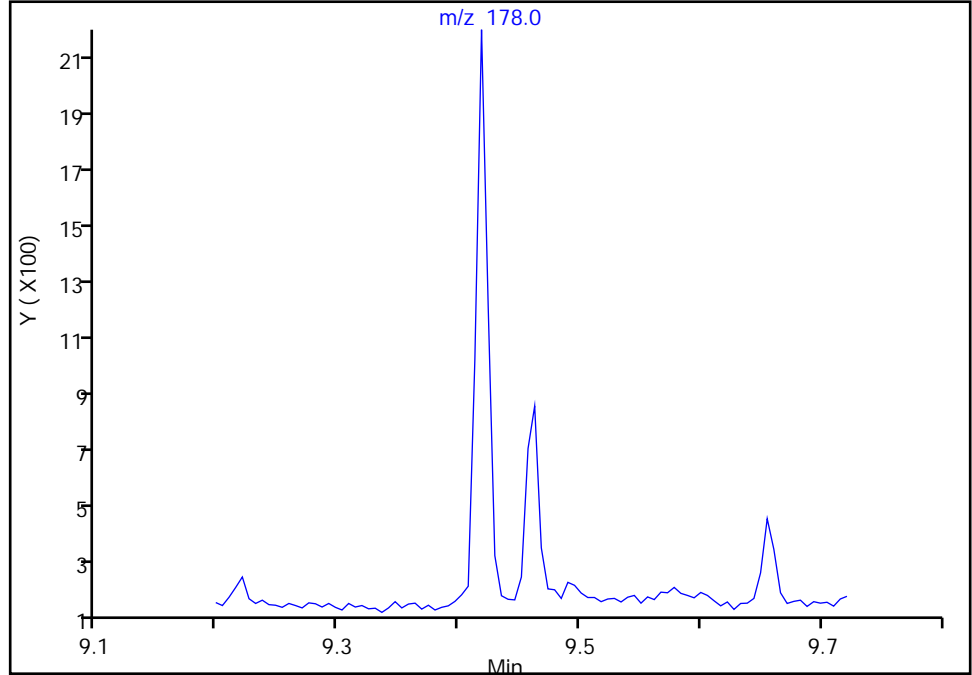
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Anthracene, CAS: 120-12-7

Signal: 1

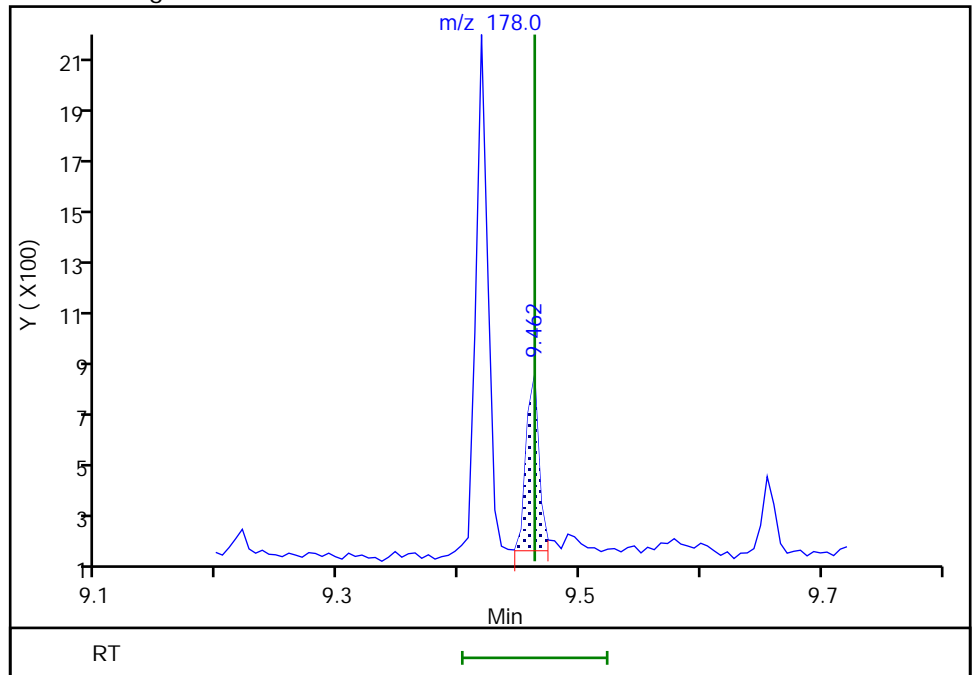
Not Detected
Expected RT: 9.46

Processing Integration Results



Manual Integration Results

RT: 9.46
Area: 477
Amount: 1.250756
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:59:23
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

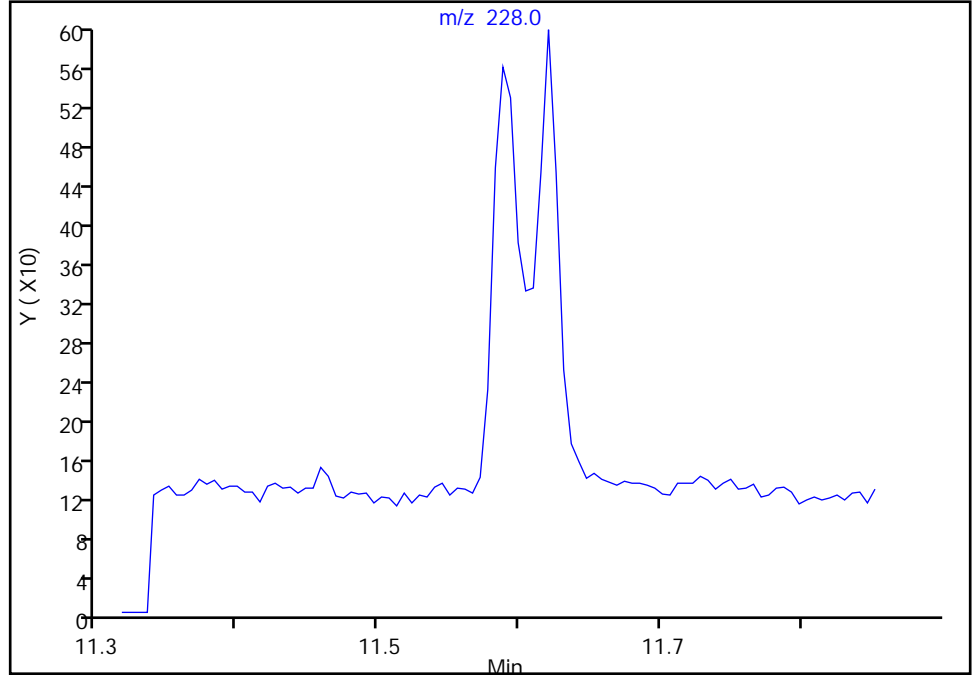
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

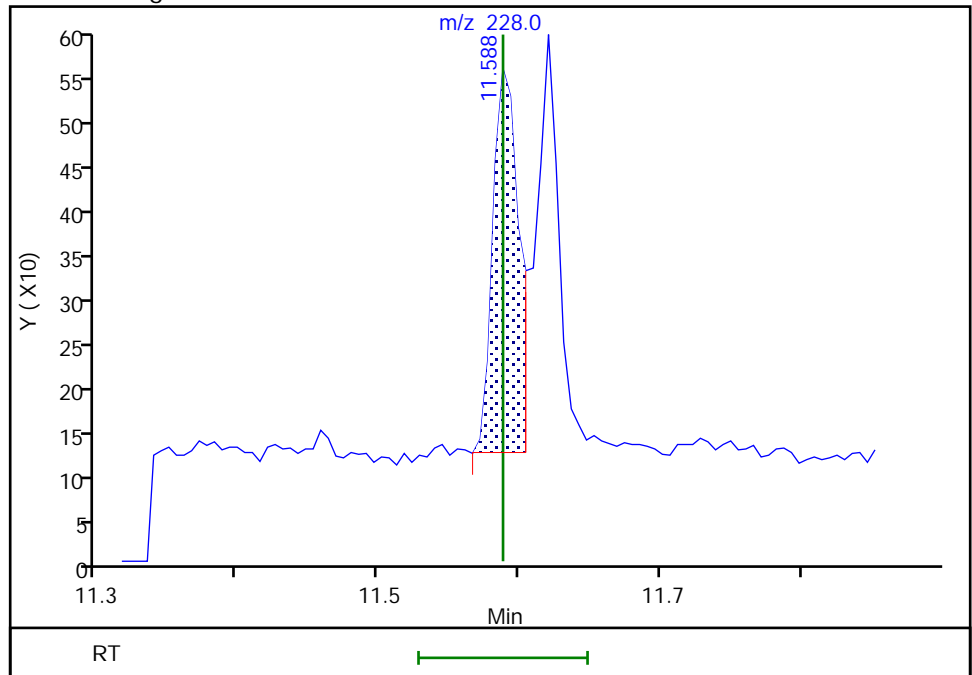
Not Detected
Expected RT: 11.59

Processing Integration Results



Manual Integration Results

RT: 11.59
Area: 528
Amount: 1.015053
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:59:50
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

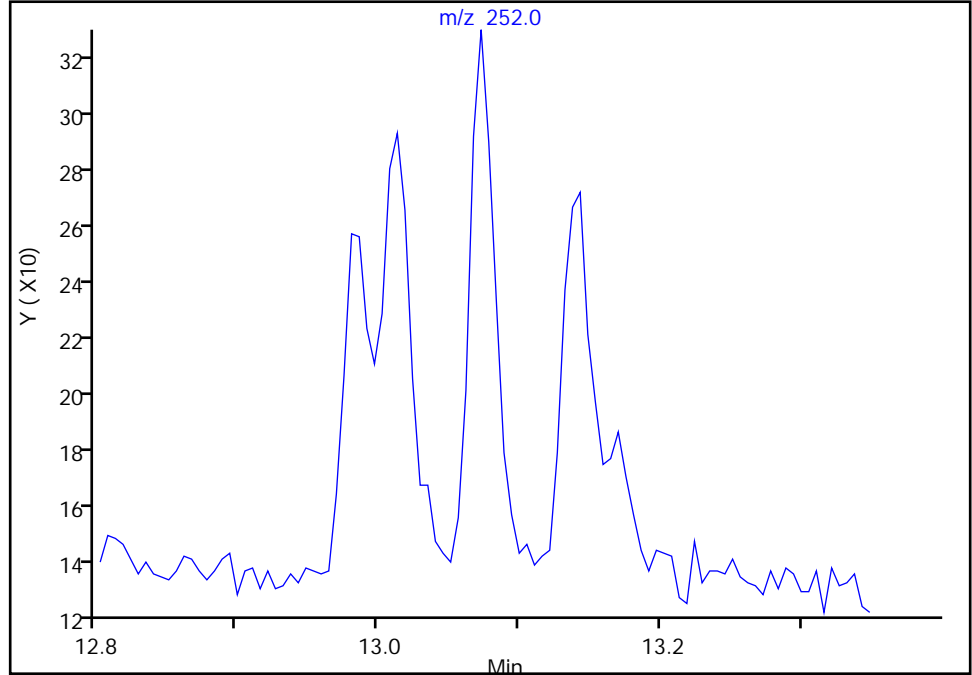
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

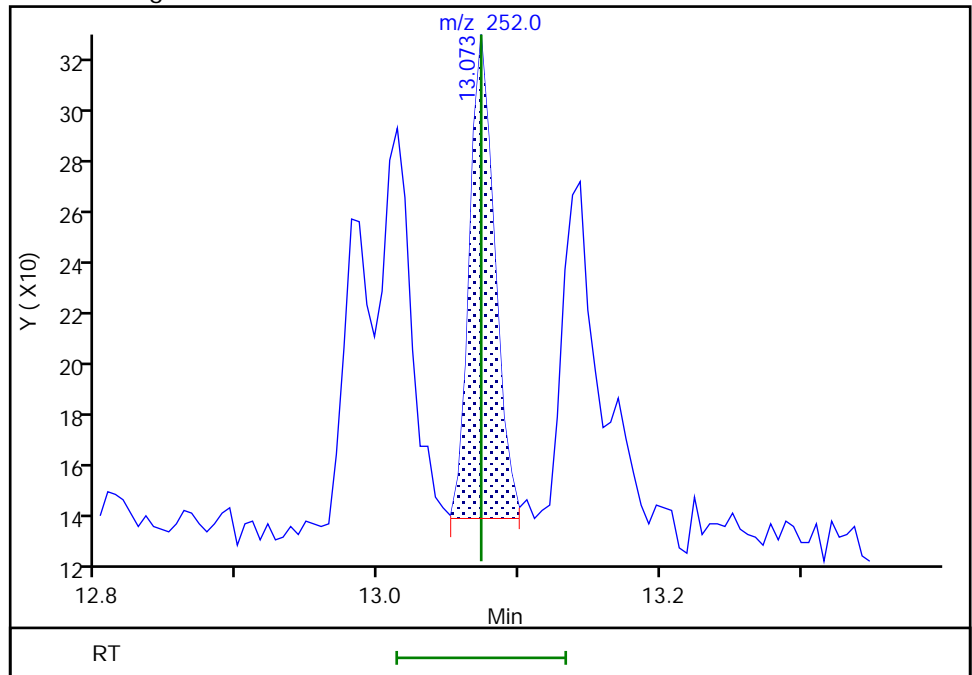
Not Detected
Expected RT: 13.07

Processing Integration Results



Manual Integration Results

RT: 13.07
Area: 224
Amount: 0.404274
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:00:30
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

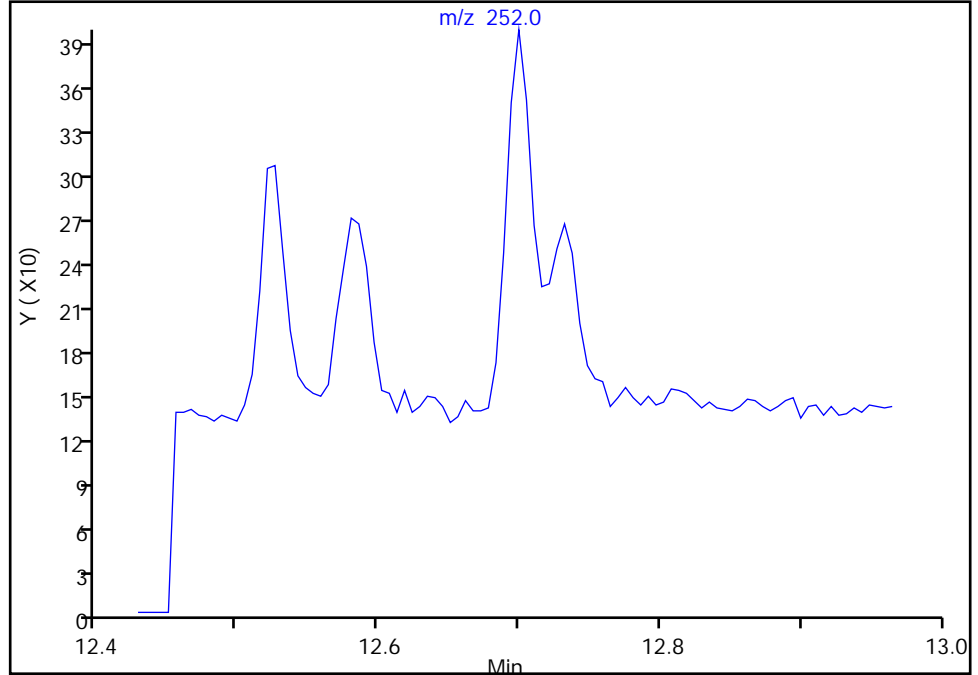
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

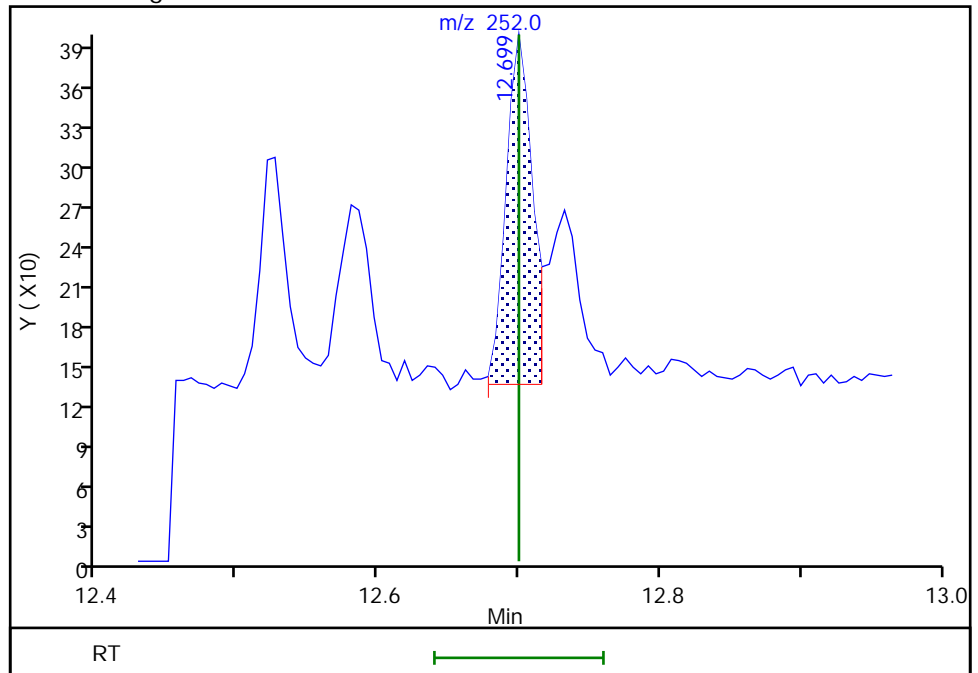
Not Detected
Expected RT: 12.70

Processing Integration Results



RT: 12.70
Area: 332
Amount: 0.544552
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:00:04
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

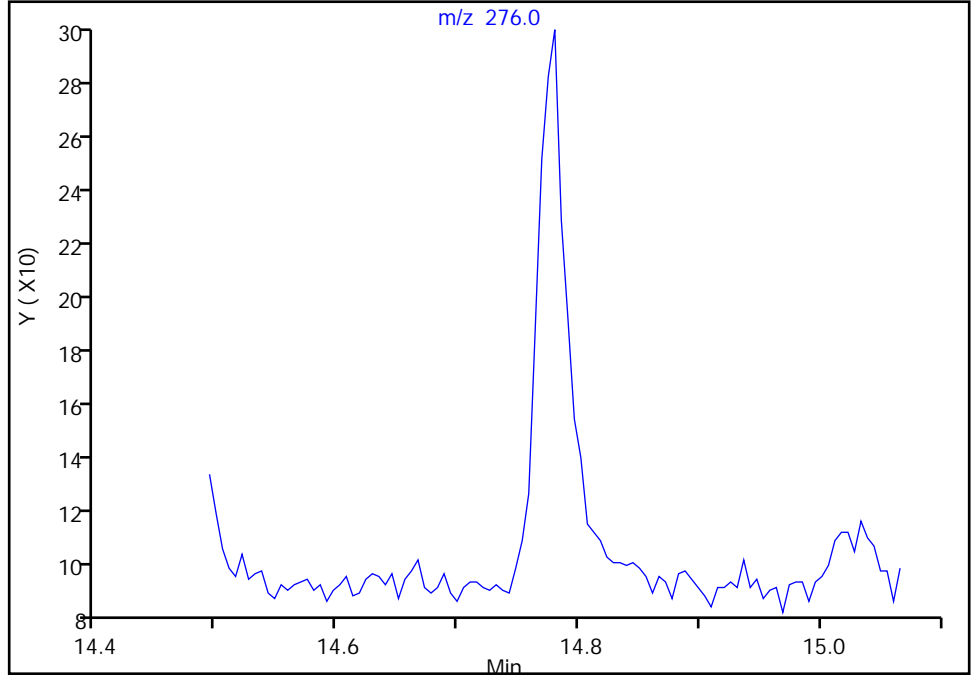
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

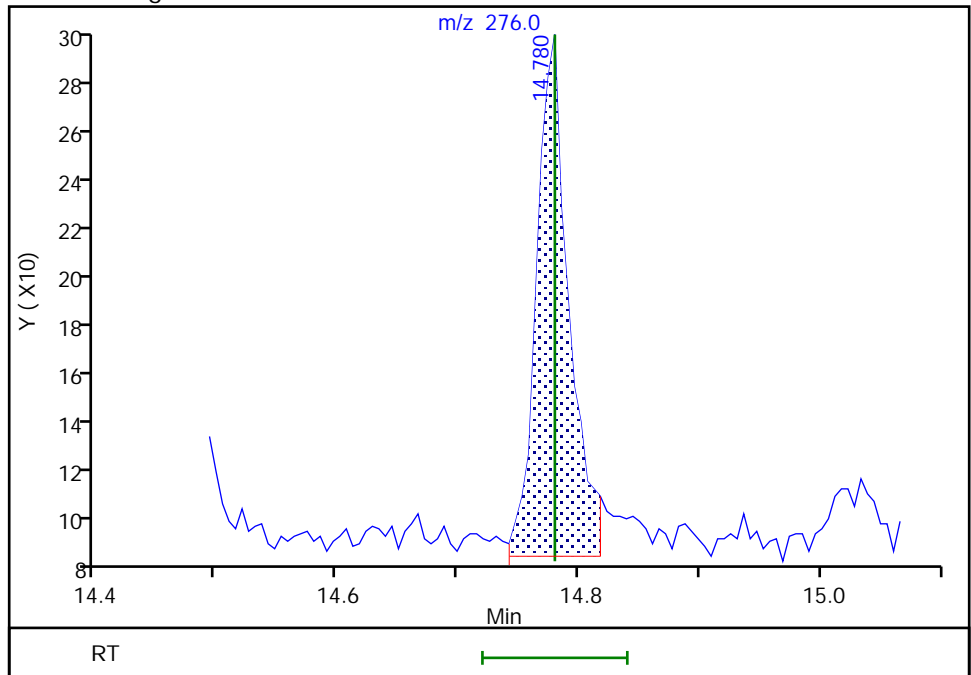
Not Detected
Expected RT: 14.78

Processing Integration Results



Manual Integration Results

RT: 14.78
Area: 382
Amount: 0.542825
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:00:52
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

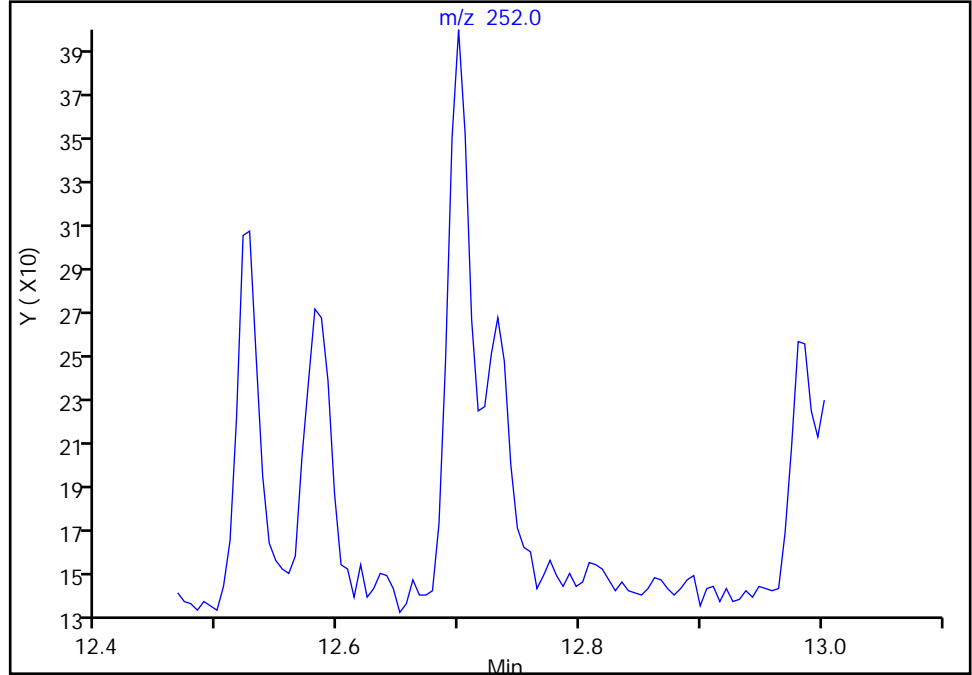
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

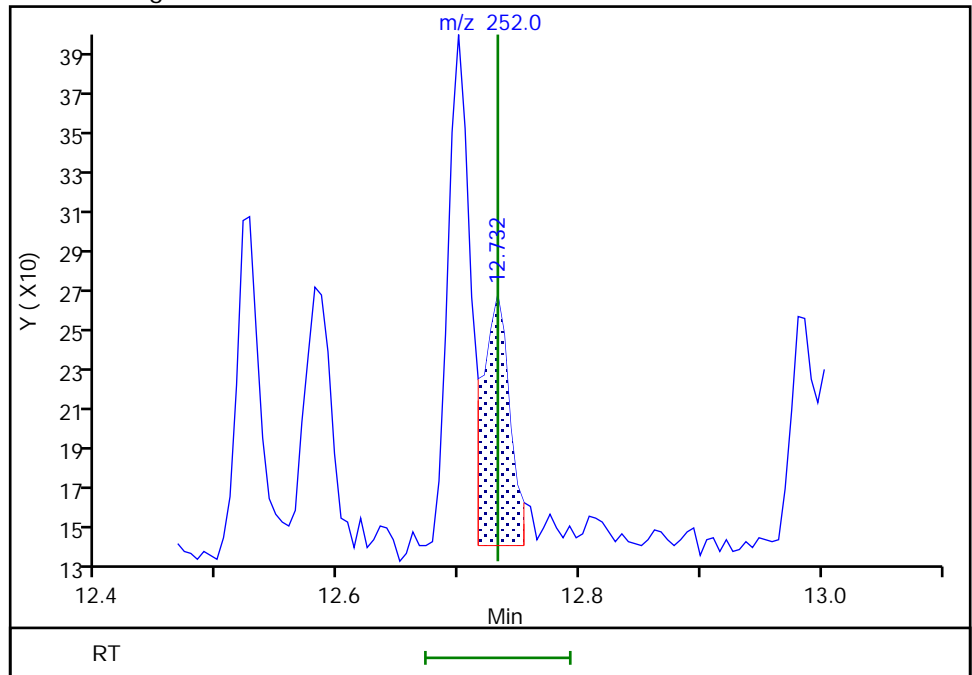
Not Detected
Expected RT: 12.73

Processing Integration Results



Manual Integration Results

RT: 12.73
Area: 187
Amount: 0.459043
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:00:24
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

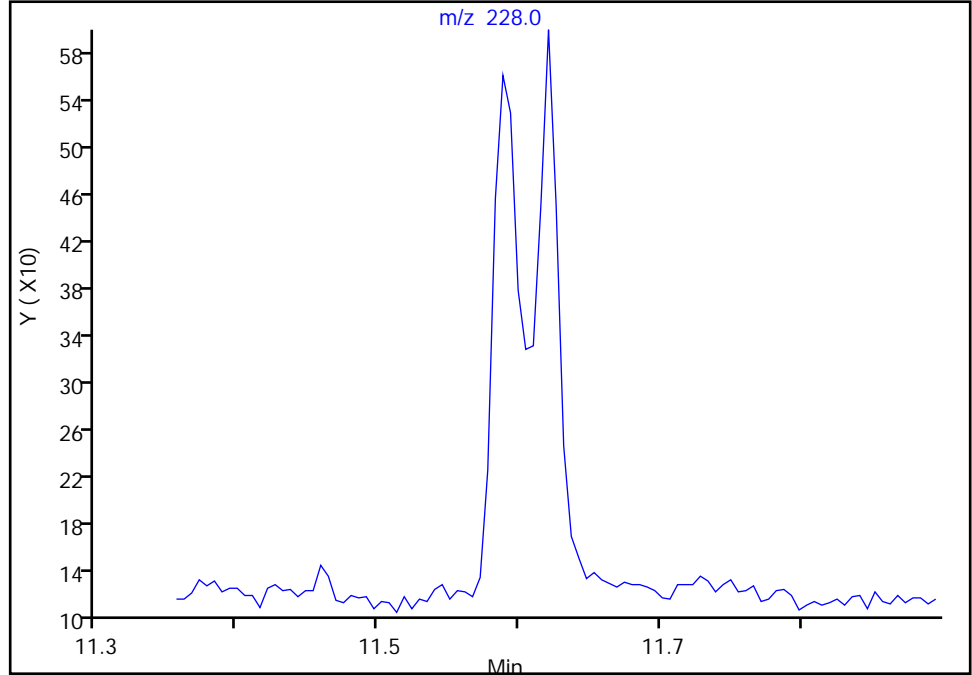
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Chrysene, CAS: 218-01-9

Signal: 1

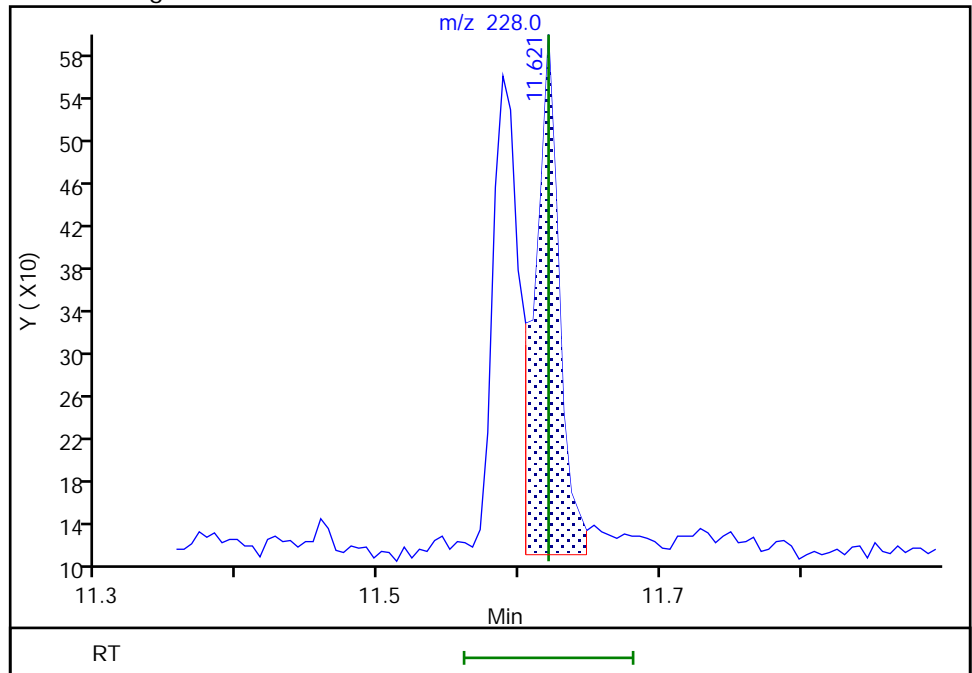
Not Detected
Expected RT: 11.62

Processing Integration Results



Manual Integration Results

RT: 11.62
Area: 550
Amount: 0.648643
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:59:54
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

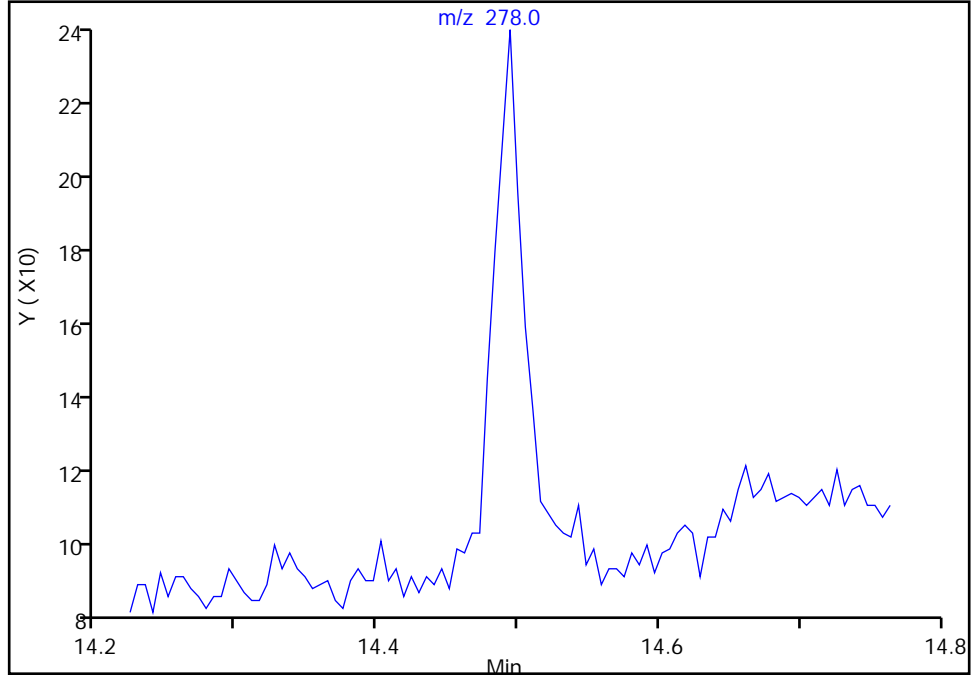
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

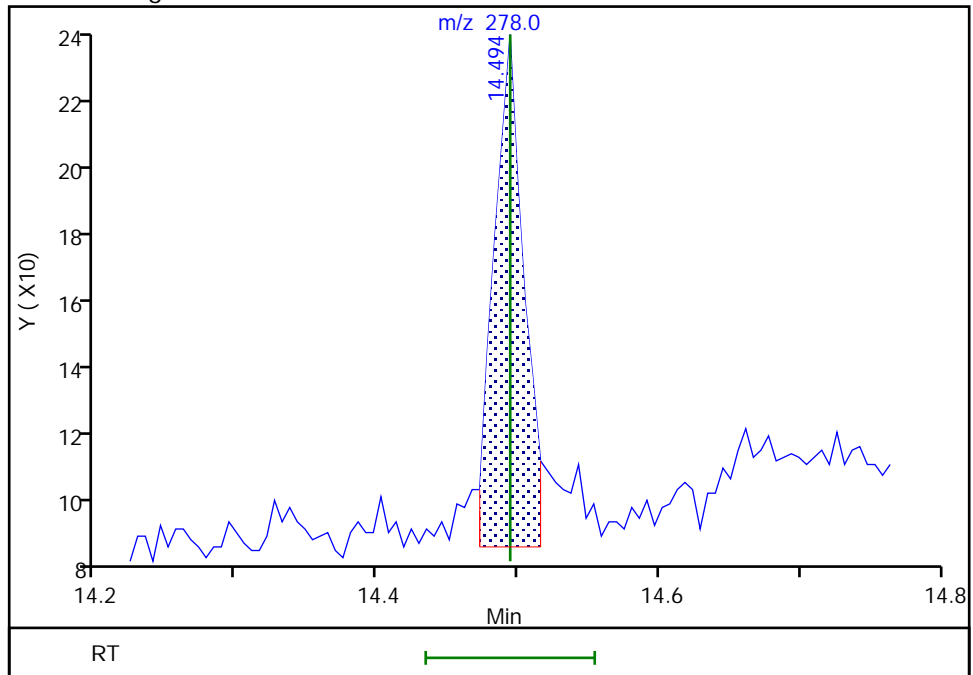
Not Detected
Expected RT: 14.49

Processing Integration Results



Manual Integration Results

RT: 14.49
Area: 206
Amount: 2.547467
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:00:45
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

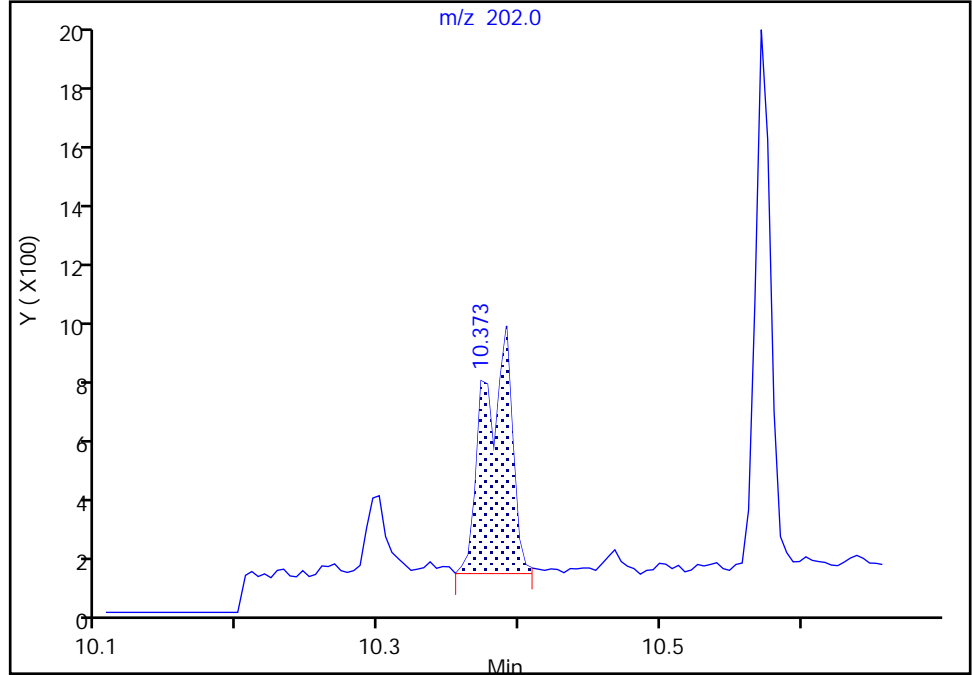
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Fluoranthene, CAS: 206-44-0

Signal: 1

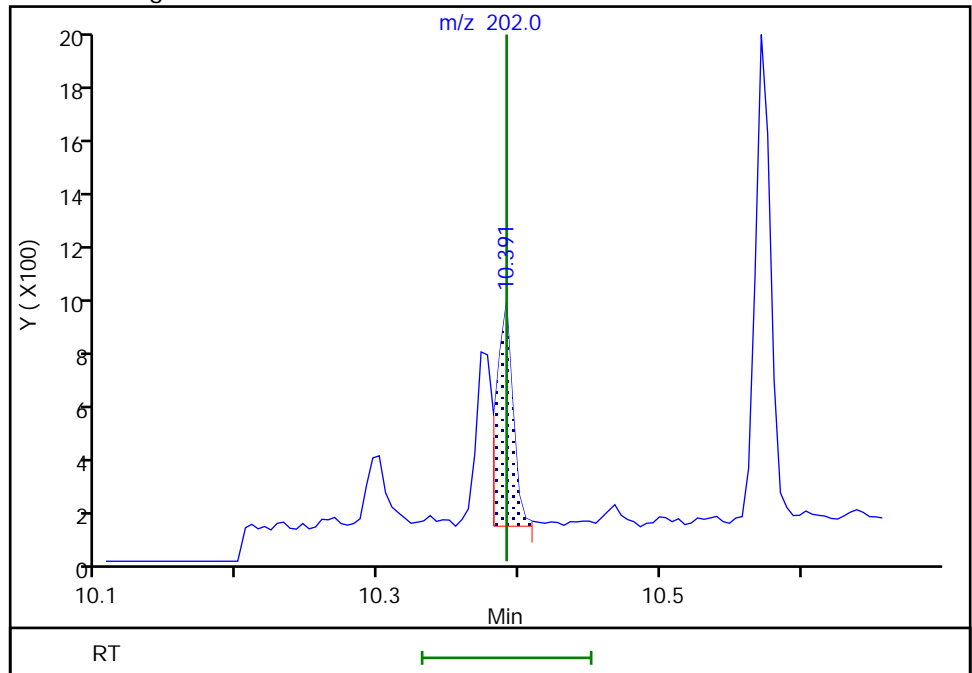
RT: 10.37
Area: 1134
Amount: 1.668619
Amount Units: ug/L

Processing Integration Results



RT: 10.39
Area: 628
Amount: 0.924067
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 09:59:31
Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Seattle

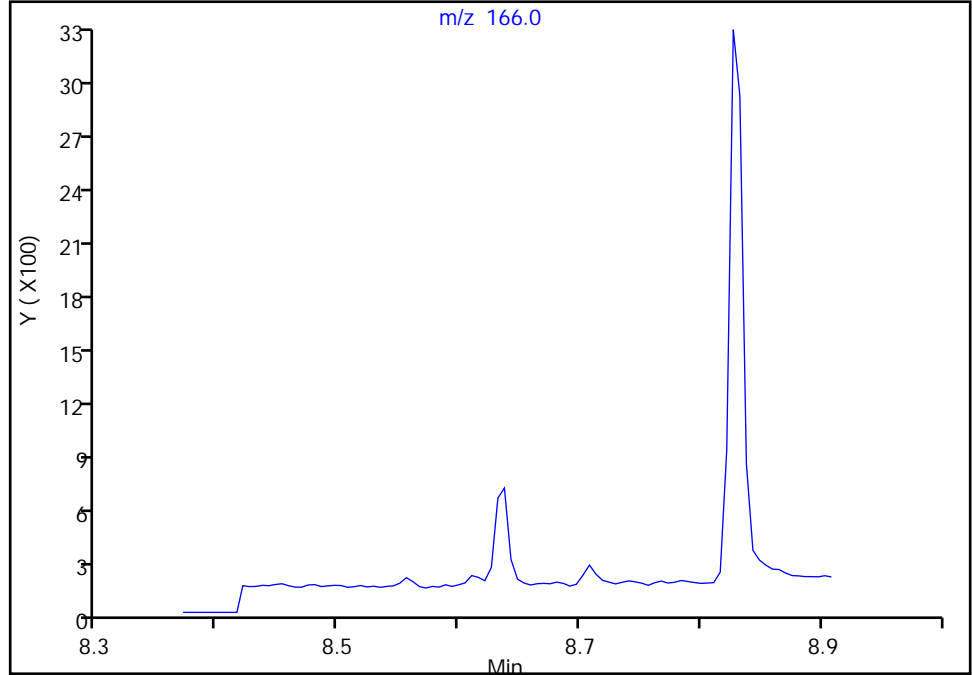
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

17 Fluorene, CAS: 86-73-7

Signal: 1

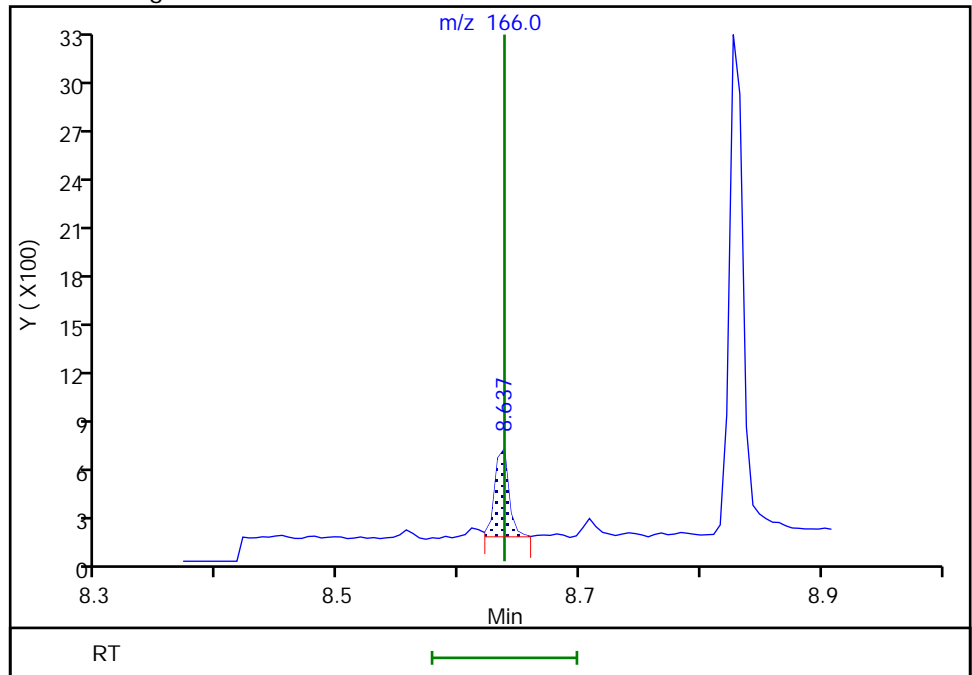
Not Detected
Expected RT: 8.64

Processing Integration Results



Manual Integration Results

RT: 8.64
Area: 437
Amount: 0.949372
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:59:00
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

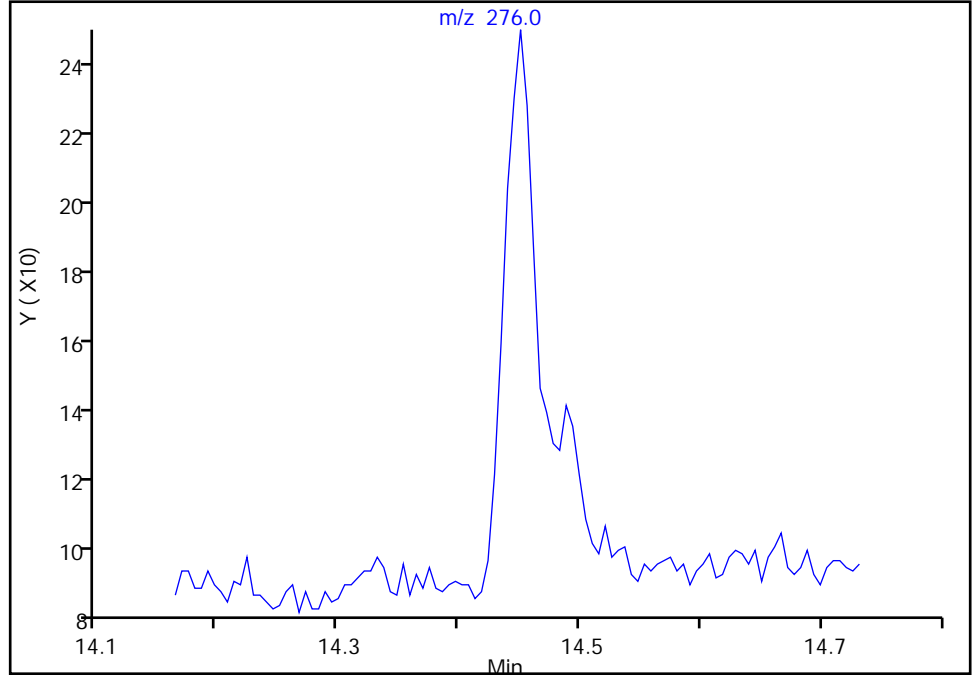
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

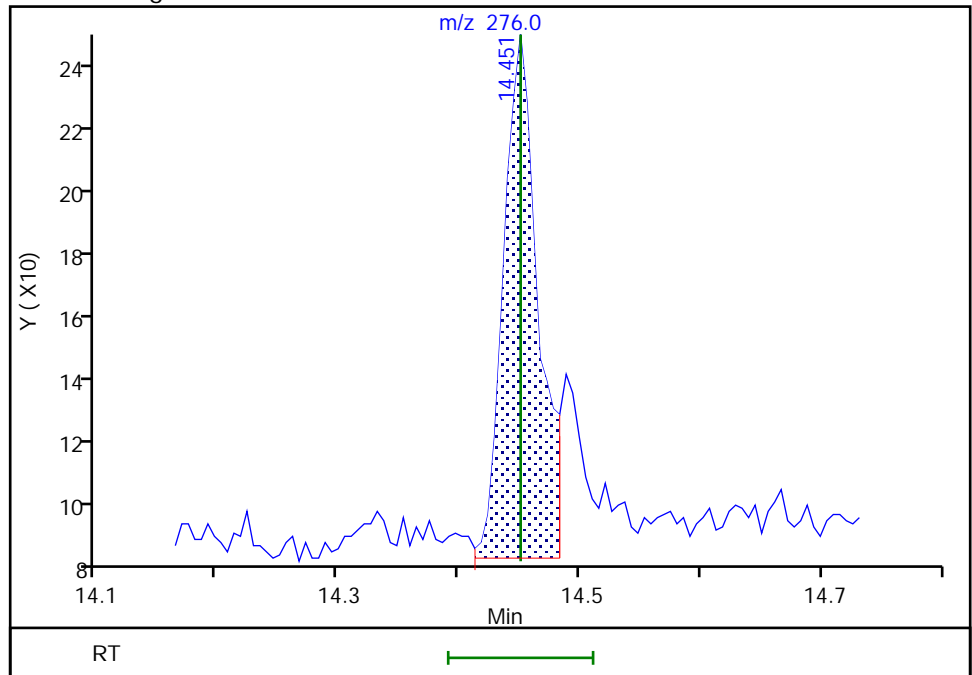
Not Detected
Expected RT: 14.45

Processing Integration Results



Manual Integration Results

RT: 14.45
Area: 329
Amount: 0.652642
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:00:37
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

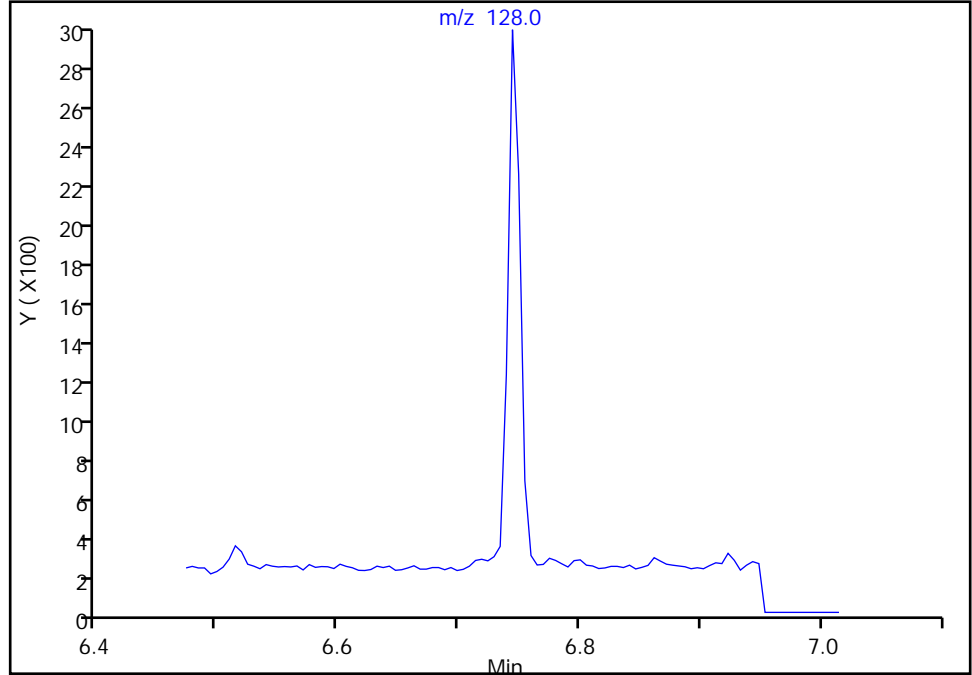
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

12 Naphthalene, CAS: 91-20-3

Signal: 1

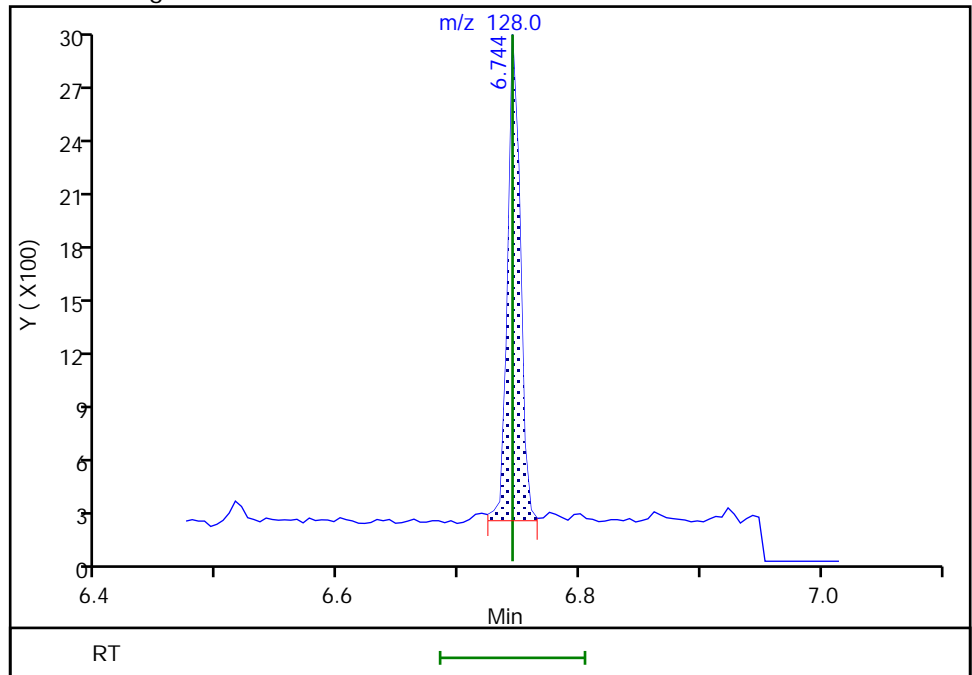
Not Detected
Expected RT: 6.74

Processing Integration Results



Manual Integration Results

RT: 6.74
Area: 1953
Amount: 2.408611
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:58:33
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

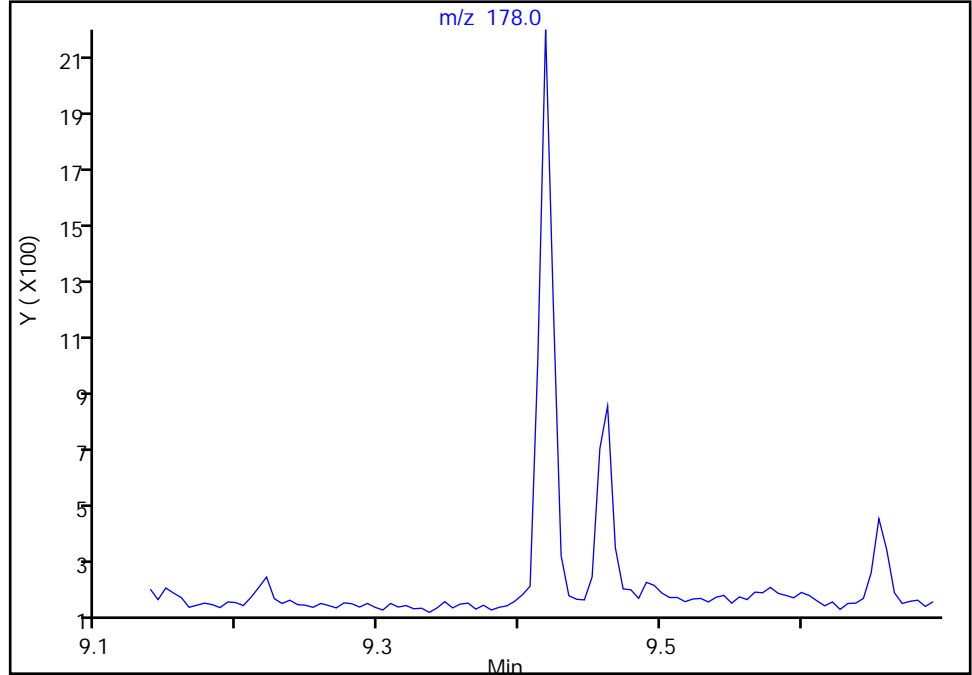
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Phenanthrene, CAS: 85-01-8

Signal: 1

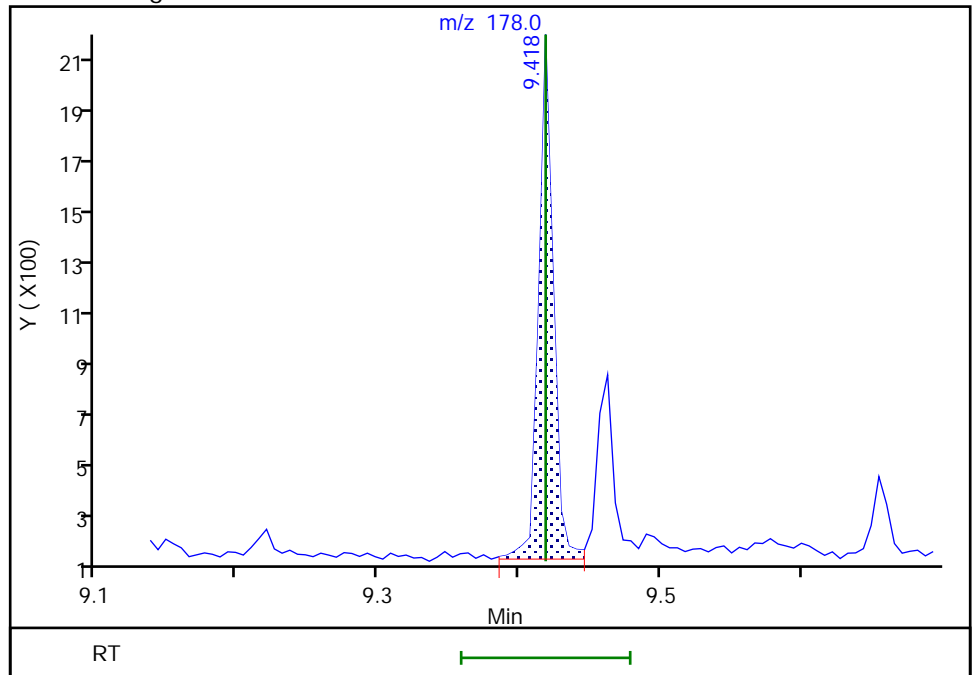
Not Detected
Expected RT: 9.42

Processing Integration Results



Manual Integration Results

RT: 9.42
Area: 1414
Amount: 2.015378
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:59:17
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

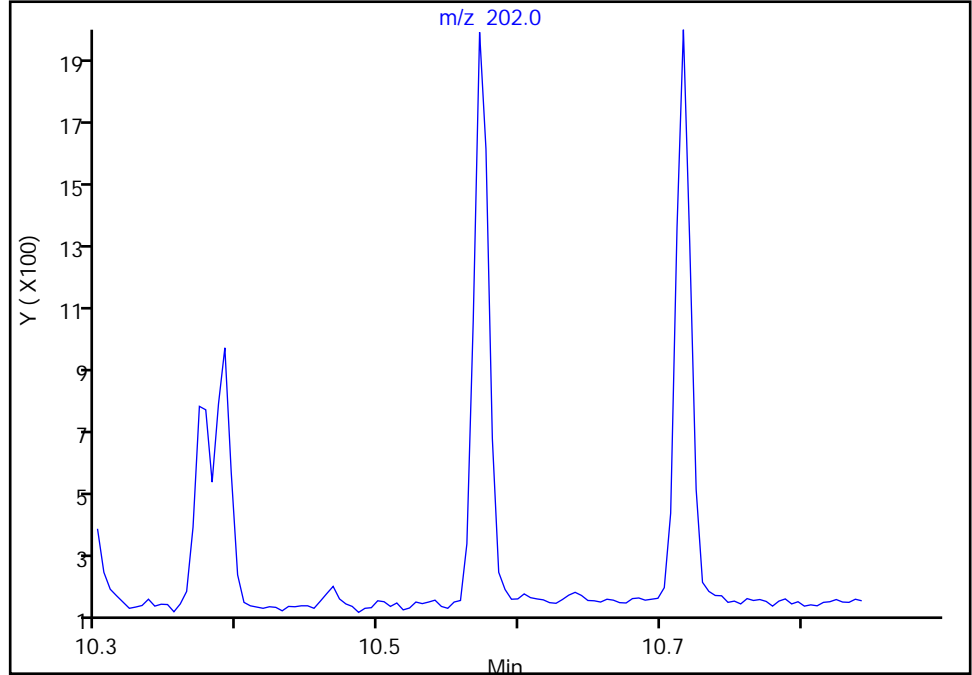
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b015.D
Injection Date: 25-Mar-2022 20:21:30 Instrument ID: SEA101
Lims ID: 580-111436-A-2-A Lab Sample ID: 580-111436-2
Client ID: ERH2803 (RHMW12A)
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Pyrene, CAS: 129-00-0

Signal: 1

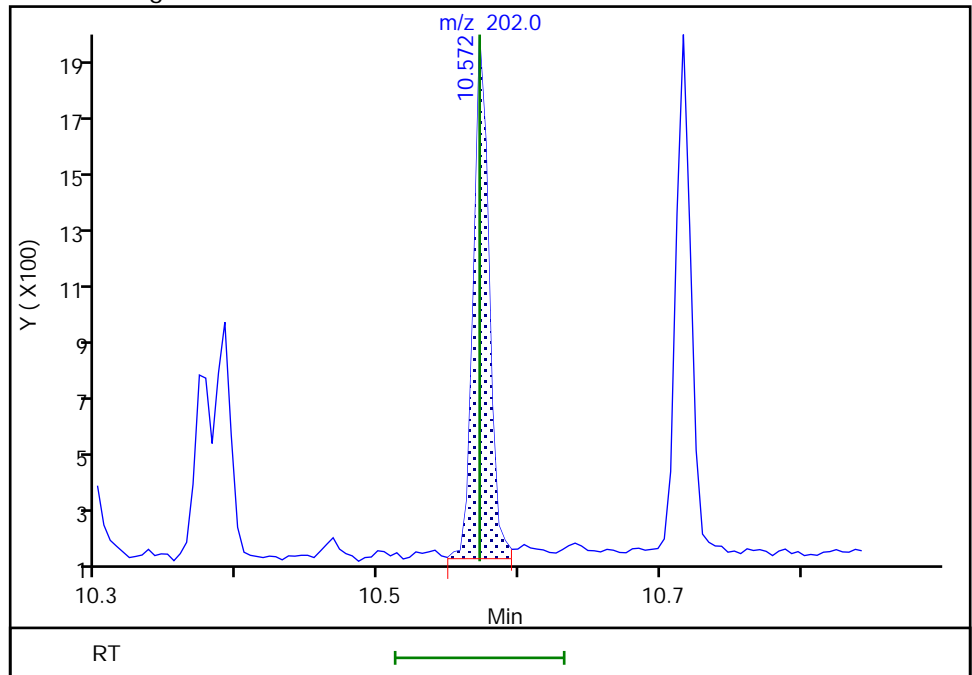
Not Detected
Expected RT: 10.57

Processing Integration Results



RT: 10.57
Area: 1423
Amount: 1.990951
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 09:59:42
Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2804 (RHMW12A) Lab Sample ID: 580-111436-3
 Matrix: Water Lab File ID: 032522b016.D
 Analysis Method: 8270E SIM Date Collected: 03/15/2022 13:10
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 991.3(mL) Date Analyzed: 03/25/2022 20:46
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 385175 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.081	U	0.20	0.081	0.039
83-32-9	Acenaphthene	0.032	U M	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U M	0.050	0.032	0.0091
120-12-7	Anthracene	0.081	U M	0.10	0.081	0.022
56-55-3	Benzo[a]anthracene	0.032	U M	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U M	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U M	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U M	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U M	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.032	0.014
91-20-3	Naphthalene	0.081	U M	0.10	0.081	0.031
85-01-8	Phenanthrene	0.081	U M	0.10	0.081	0.031
129-00-0	Pyrene	0.081	U M	0.10	0.081	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	64		40-140
93951-69-0	Fluoranthene-d10 (Surr)	98		40-140
1718-51-0	Terphenyl-d14	110		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b016.D
 Lims ID: 580-111436-B-3-A
 Client ID: ERH2804 (RHMW12A)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 20:46:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-3-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 10:04:08 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 10:04:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	58839	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	76448	100.0	
* 3 Acenaphthene-d10	164	8.183	8.183	0.000	1	35695	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	59615	100.0	
* 5 Chrysene-d12	240	11.599	11.599	0.000	1	46745	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	52556	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.300	0.000	97	269313	642.9	
\$ 8 2-Fluorobiphenyl	172	7.643	7.643	0.001	1	345756	630.0	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	56278	813.4	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	557821	976.3	
\$ 11 Terphenyl-d14	244	10.716	10.716	0.000	1	448232	1097.1	
12 Naphthalene	128	6.744	6.744	0.000	1	3965	4.99	a
13 2-Methylnaphthalene	142	7.326	7.331	-0.005	1	1342	2.82	
14 1-Methylnaphthalene	142	7.408	7.408	0.000	1	792	1.70	
15 Acenaphthylene	152	8.065	8.065	0.000	1	192	0.3066	M
16 Acenaphthene	153	8.213	8.213	0.000	5	122	0.2682	M
17 Fluorene	166	8.637	8.637	0.000	1	195	0.4289	M
18 Pentachlorophenol	266	9.242	9.242	0.000	1	185	100.8	M
19 Phenanthrene	178	9.419	9.419	0.001	1	927	1.33	M
20 Anthracene	178	9.463	9.463	0.000	1	234	0.8903	M
21 Fluoranthene	202	10.391	10.391	0.000	1	522	0.7714	M
22 Pyrene	202	10.572	10.572	0.000	8	1011	1.42	M
24 Chrysene	228	11.621	11.621	0.000	1	523	0.6169	M
25 Benzo[b]fluoranthene	252	12.700	12.700	0.000	1	242	0.3877	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

Mecl2_CT_00215

Amount Added: 1.00

Units: uL

Run Reagent

8270SIM_IS_00070

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b016.D

Injection Date: 25-Mar-2022 20:46:30

Instrument ID: SEA101

Lims ID: 580-111436-B-3-A

Lab Sample ID: 580-111436-3

Client ID: ERH2804 (RHMW12A)

Operator ID: tl

ALS Bottle#: 11

Worklist Smp#: 11

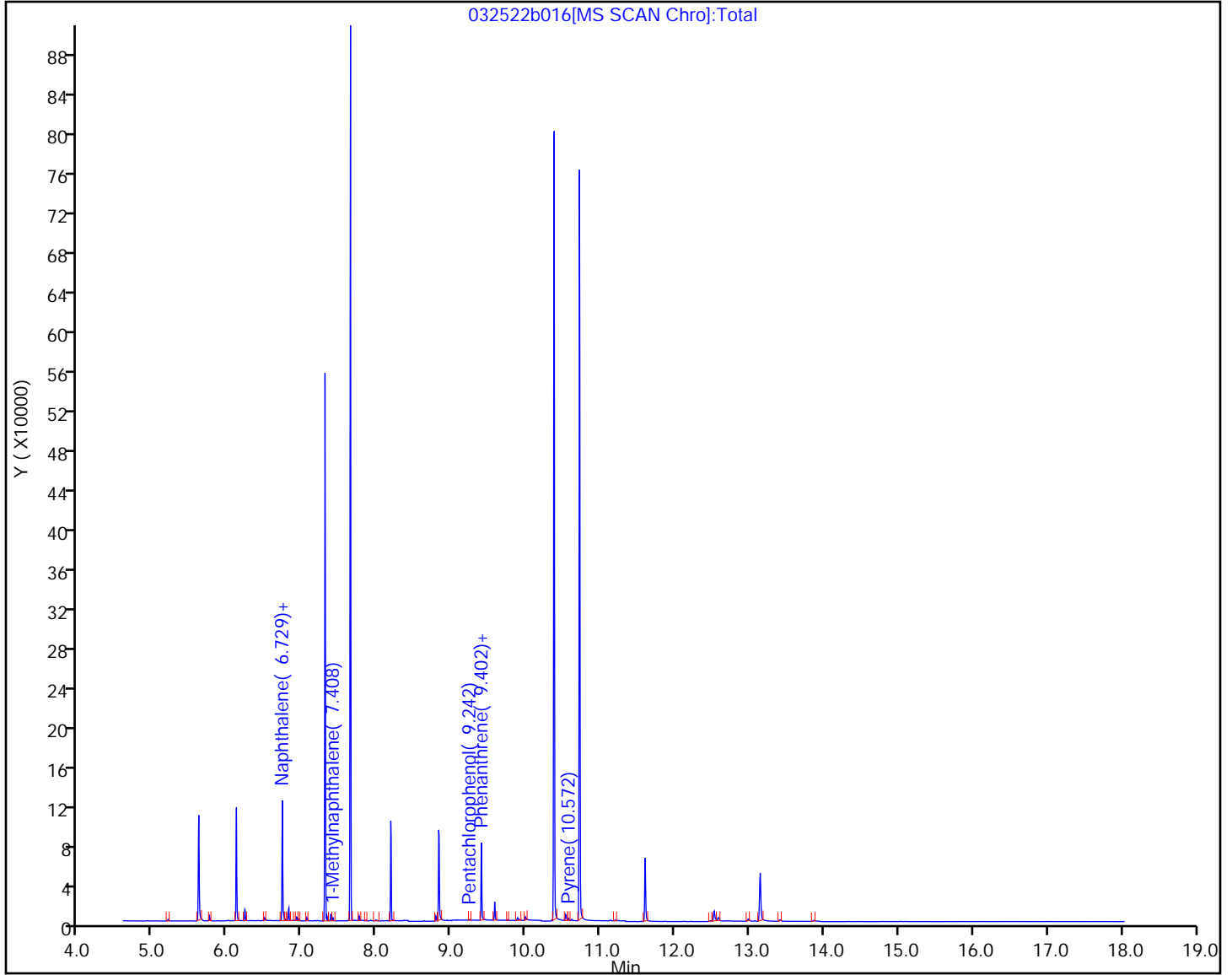
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b016.D
 Lims ID: 580-111436-B-3-A
 Client ID: ERH2804 (RHMW12A)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 20:46:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-3-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 10:04:08 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 10:04:14

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-methylnaphthalene-d10	1000.0	642.9	64.29
\$ 8 2-Fluorobiphenyl	1000.0	630.0	63.00
\$ 9 2,4,6-Tribromophenol	1000.0	813.4	81.34
\$ 10 Fluoranthene-d10 (Surr)	1000.0	976.3	97.63
\$ 11 Terphenyl-d14	1000.0	1097.1	109.71

Eurofins Seattle

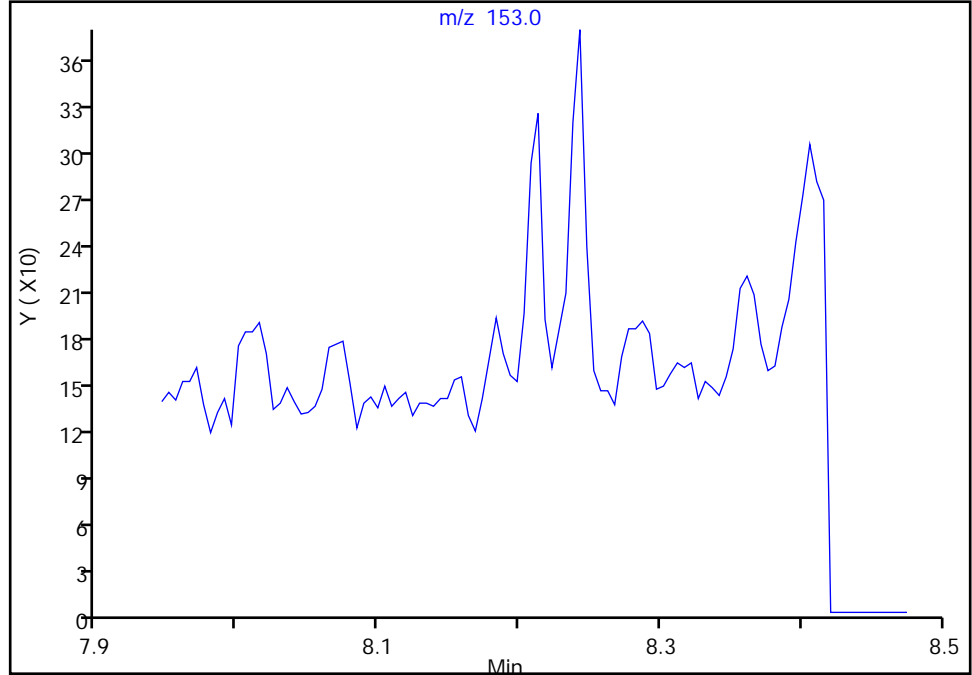
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b016.D
Injection Date: 25-Mar-2022 20:46:30 Instrument ID: SEA101
Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
Client ID: ERH2804 (RHMW12A)
Operator ID: tl ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Acenaphthene, CAS: 83-32-9

Signal: 1

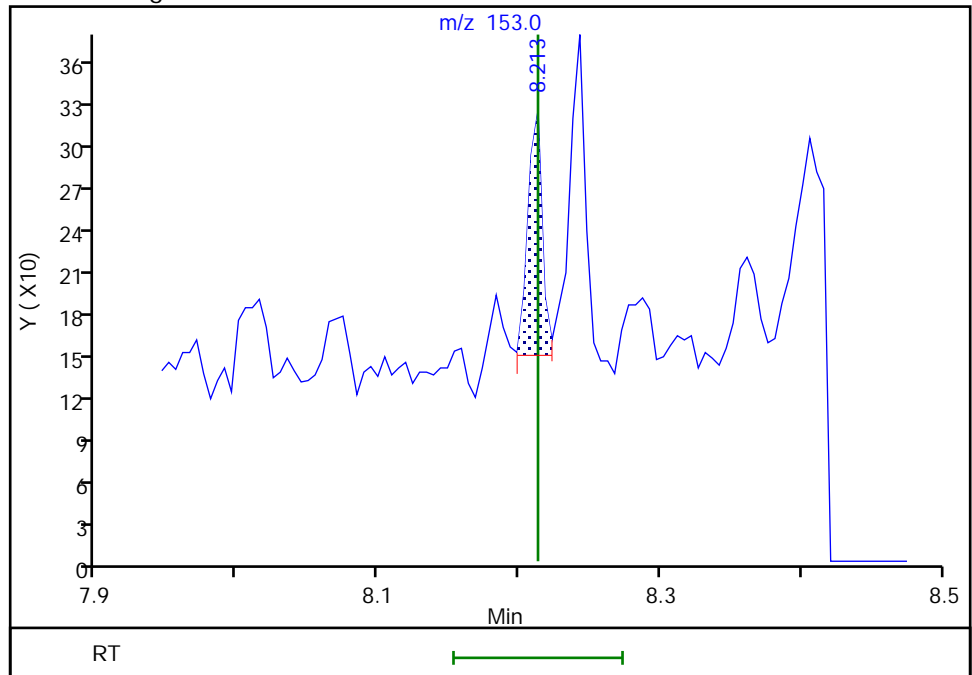
Not Detected
Expected RT: 8.21

Processing Integration Results



Manual Integration Results

RT: 8.21
Area: 122
Amount: 0.268200
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:01:34
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

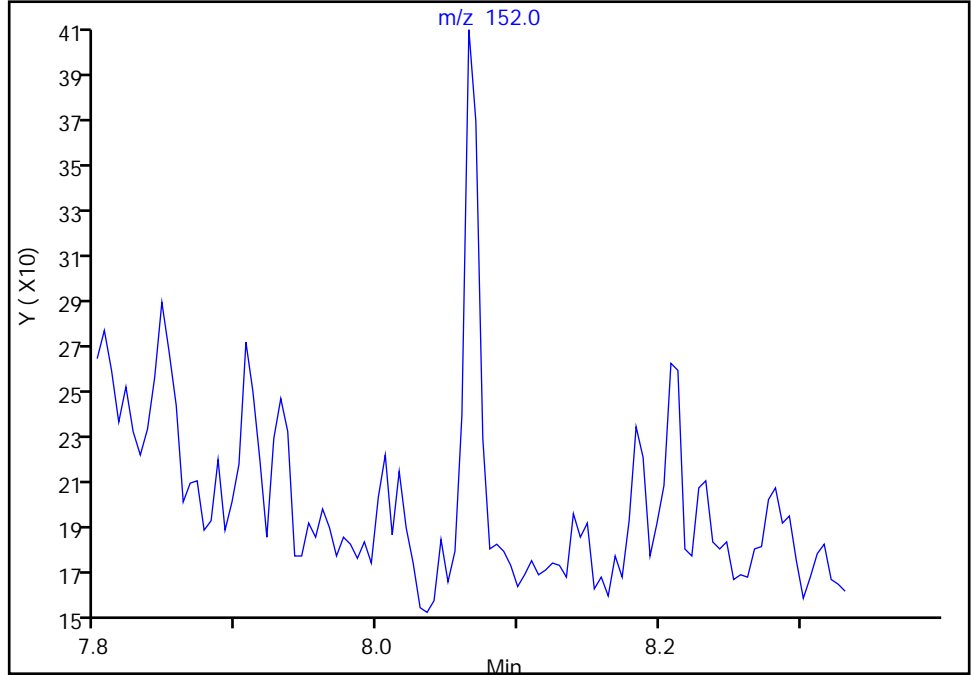
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b016.D
Injection Date: 25-Mar-2022 20:46:30 Instrument ID: SEA101
Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
Client ID: ERH2804 (RHMW12A)
Operator ID: tl ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

15 Acenaphthylene, CAS: 208-96-8

Signal: 1

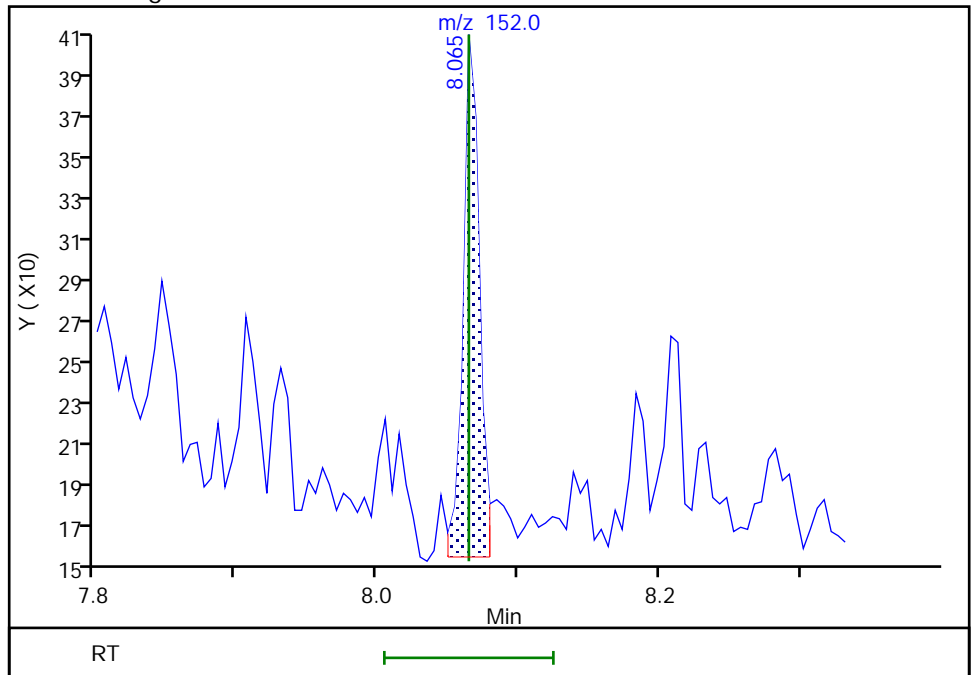
Not Detected
Expected RT: 8.06

Processing Integration Results



Manual Integration Results

RT: 8.06
Area: 192
Amount: 0.306604
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:01:21
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

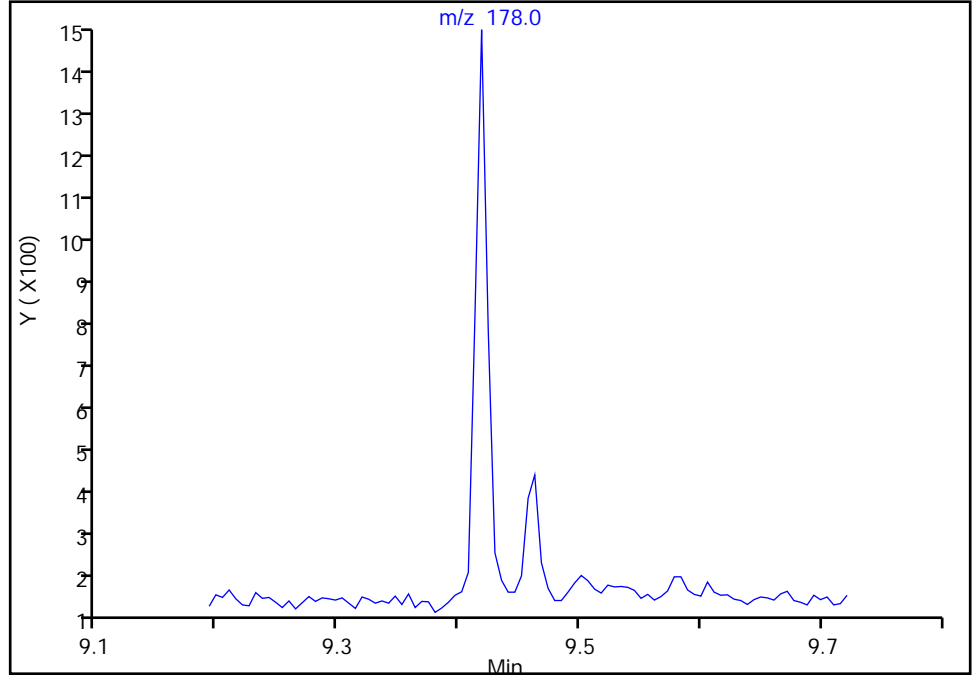
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b016.D
Injection Date: 25-Mar-2022 20:46:30 Instrument ID: SEA101
Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
Client ID: ERH2804 (RHMW12A)
Operator ID: tl ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Anthracene, CAS: 120-12-7

Signal: 1

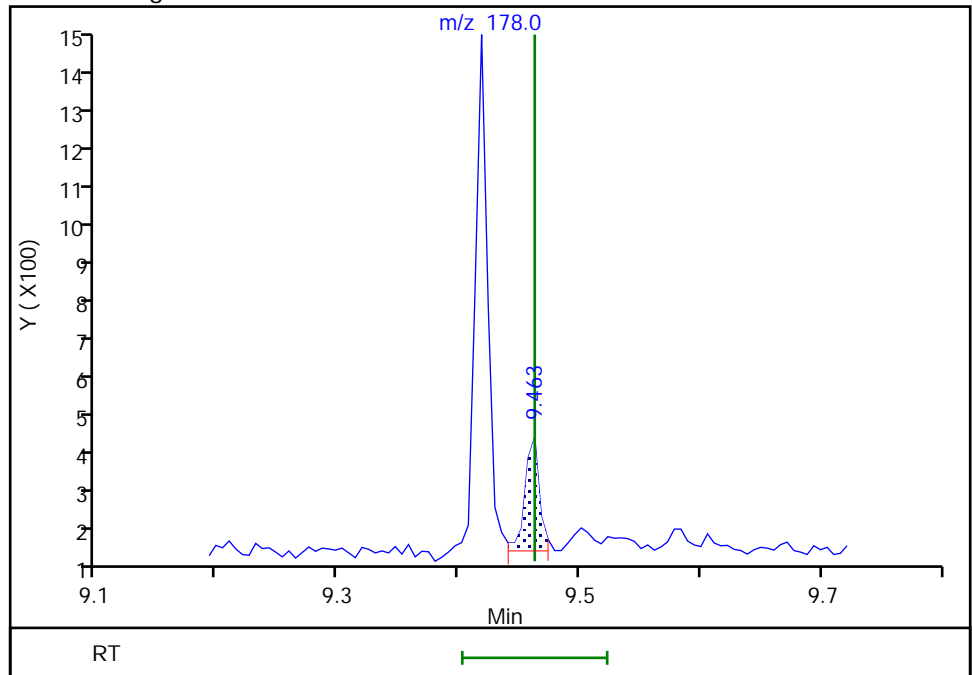
Not Detected
Expected RT: 9.46

Processing Integration Results



Manual Integration Results

RT: 9.46
Area: 234
Amount: 0.890255
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:01:55
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

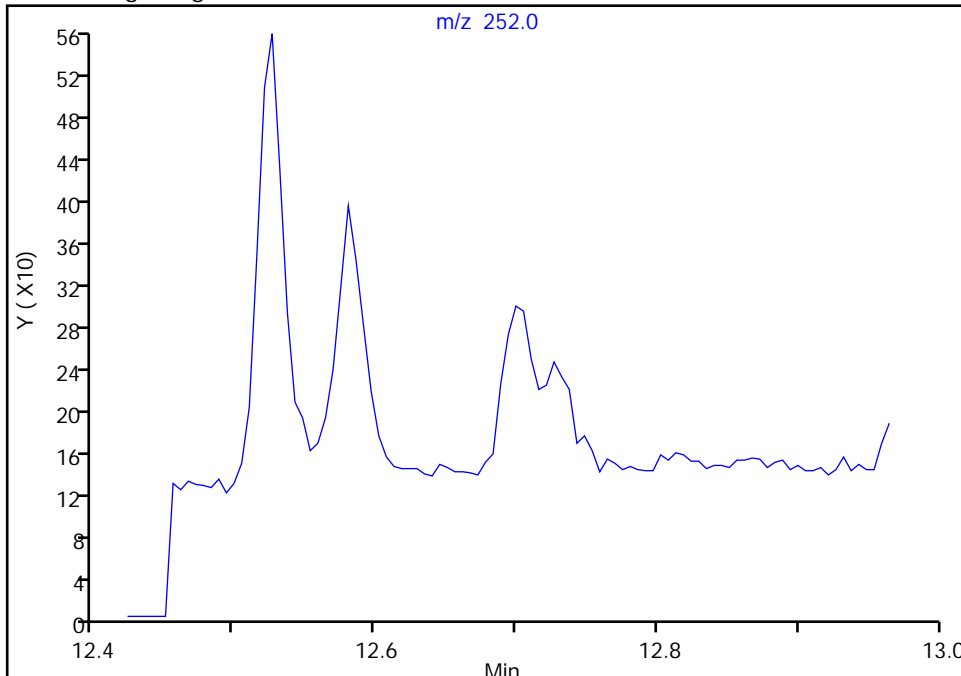
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b016.D
Injection Date: 25-Mar-2022 20:46:30 Instrument ID: SEA101
Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
Client ID: ERH2804 (RHMW12A)
Operator ID: tl ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

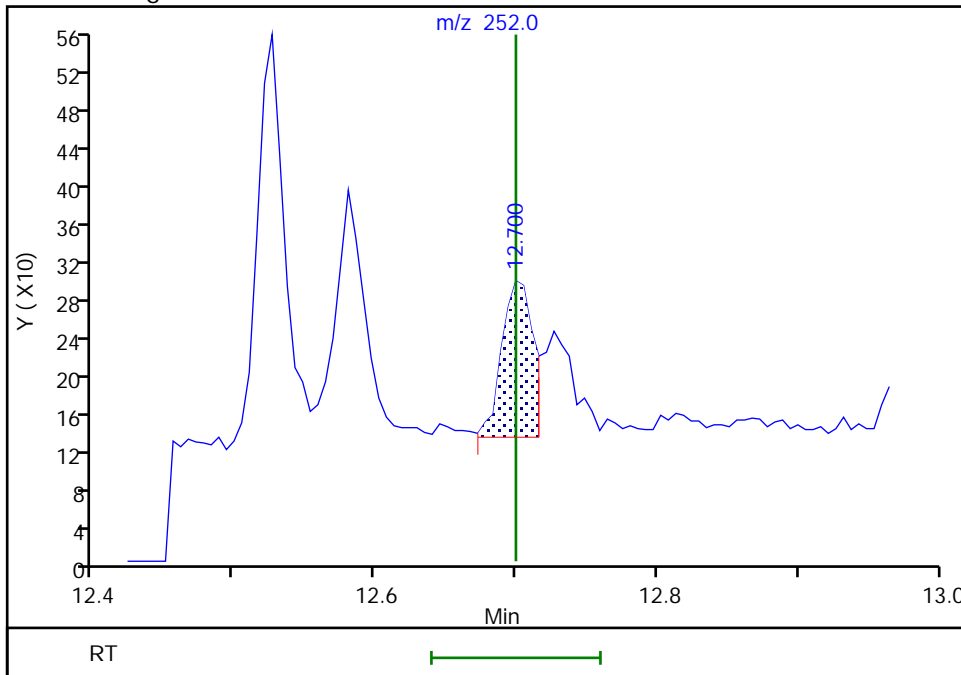
Not Detected
Expected RT: 12.70

Processing Integration Results



Manual Integration Results

RT: 12.70
Area: 242
Amount: 0.387666
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:02:40
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

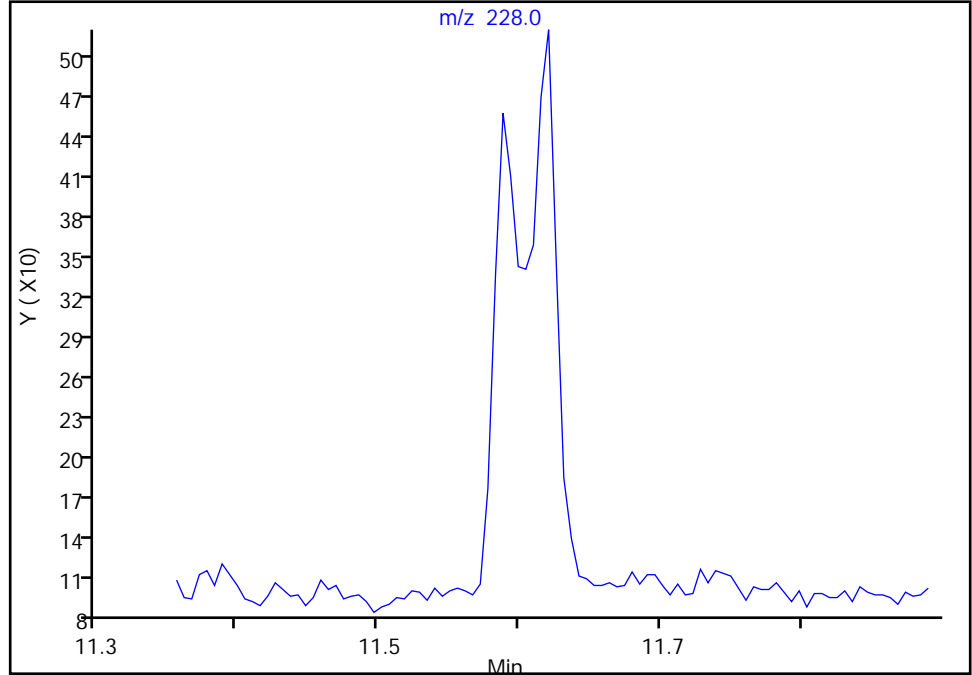
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b016.D
Injection Date: 25-Mar-2022 20:46:30 Instrument ID: SEA101
Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
Client ID: ERH2804 (RHMW12A)
Operator ID: tl ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Chrysene, CAS: 218-01-9

Signal: 1

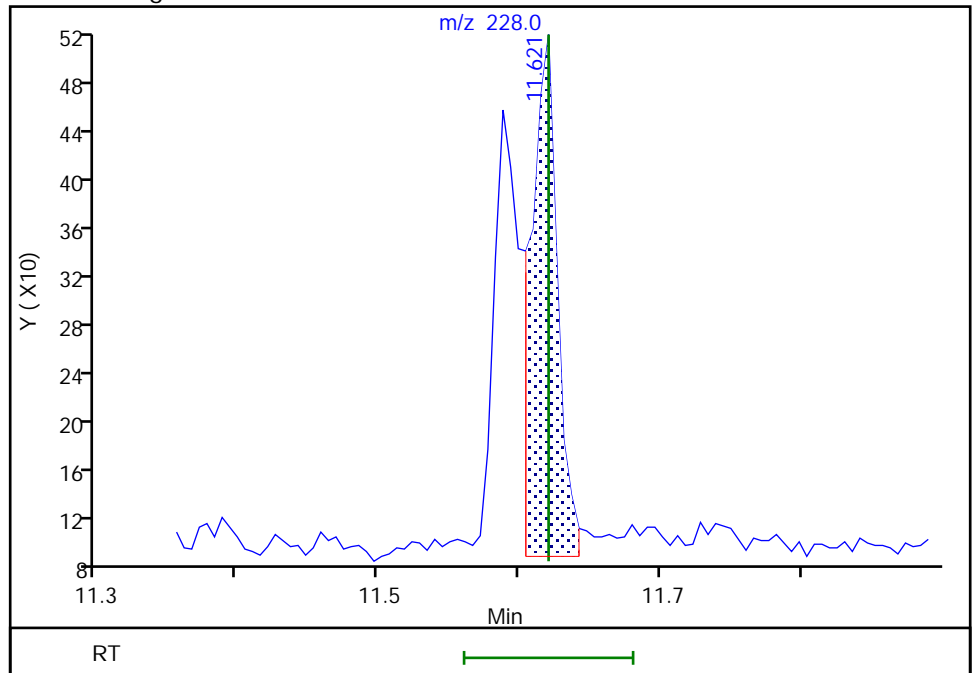
Not Detected
Expected RT: 11.62

Processing Integration Results



Manual Integration Results

RT: 11.62
Area: 523
Amount: 0.616948
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:02:28
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

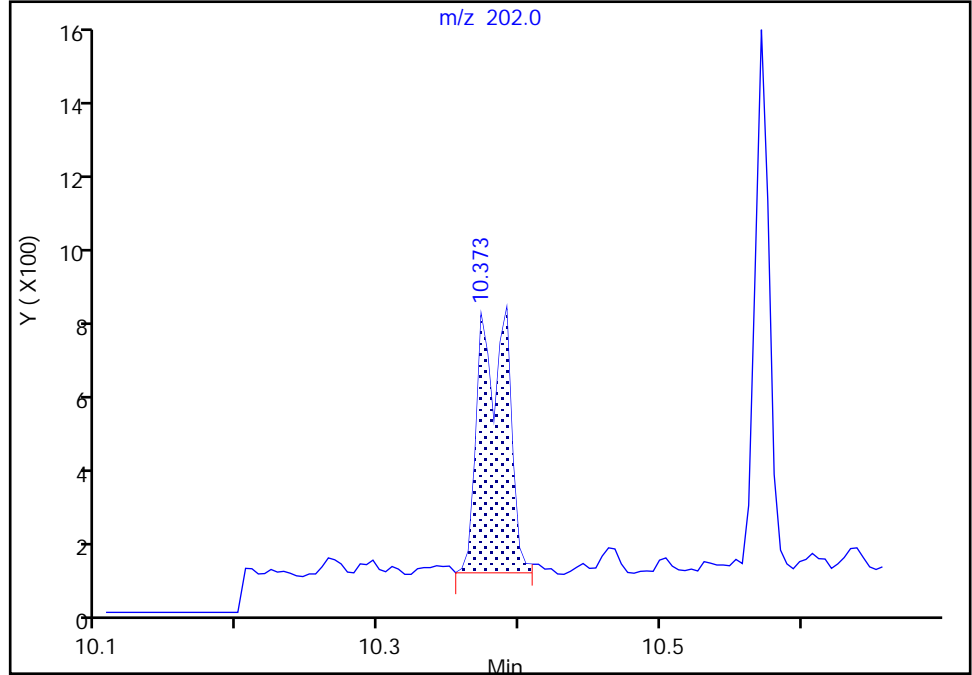
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b016.D
Injection Date: 25-Mar-2022 20:46:30 Instrument ID: SEA101
Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
Client ID: ERH2804 (RHMW12A)
Operator ID: tl ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Fluoranthene, CAS: 206-44-0

Signal: 1

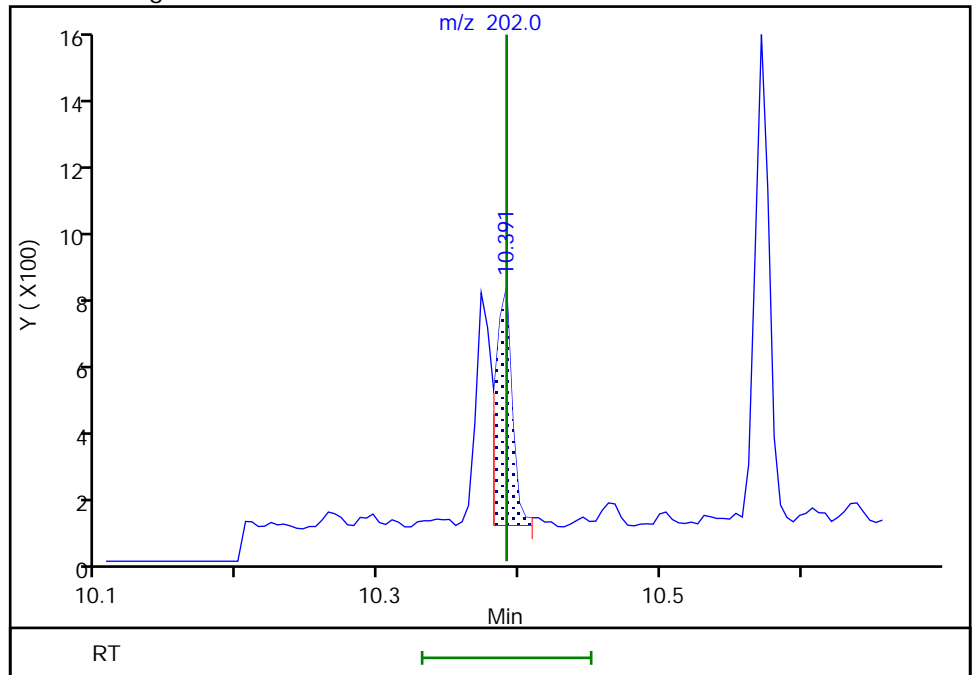
RT: 10.37
Area: 1023
Amount: 1.511752
Amount Units: ug/L

Processing Integration Results



RT: 10.39
Area: 522
Amount: 0.771393
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:02:04
Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Seattle

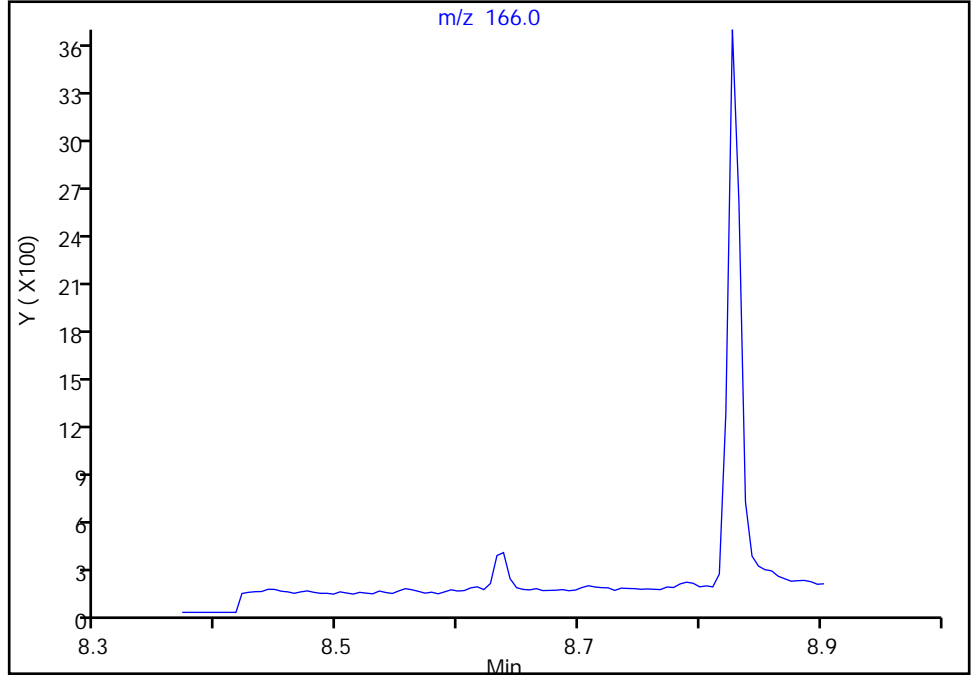
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b016.D
Injection Date: 25-Mar-2022 20:46:30 Instrument ID: SEA101
Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
Client ID: ERH2804 (RHMW12A)
Operator ID: tl ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

17 Fluorene, CAS: 86-73-7

Signal: 1

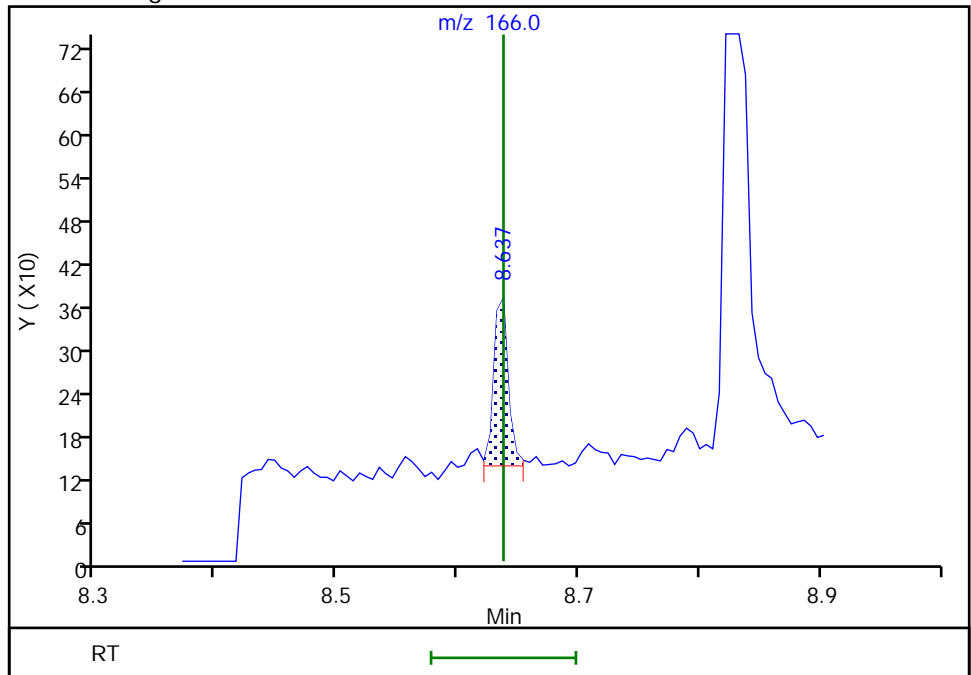
Not Detected
Expected RT: 8.64

Processing Integration Results



Manual Integration Results

RT: 8.64
Area: 195
Amount: 0.428867
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:01:40
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

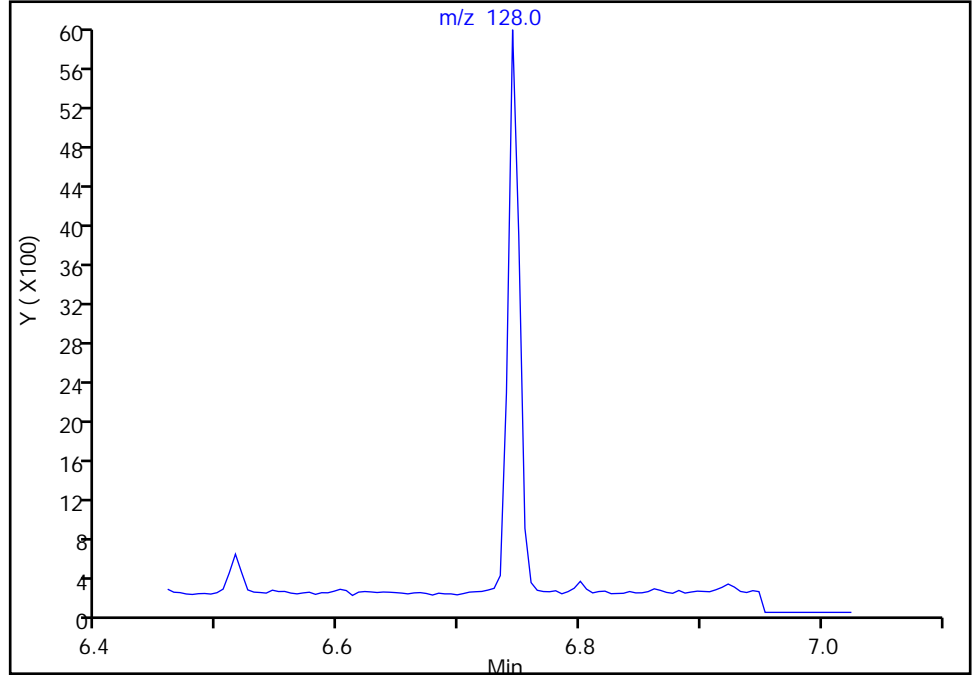
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b016.D
Injection Date: 25-Mar-2022 20:46:30 Instrument ID: SEA101
Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
Client ID: ERH2804 (RHMW12A)
Operator ID: tl ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

12 Naphthalene, CAS: 91-20-3

Signal: 1

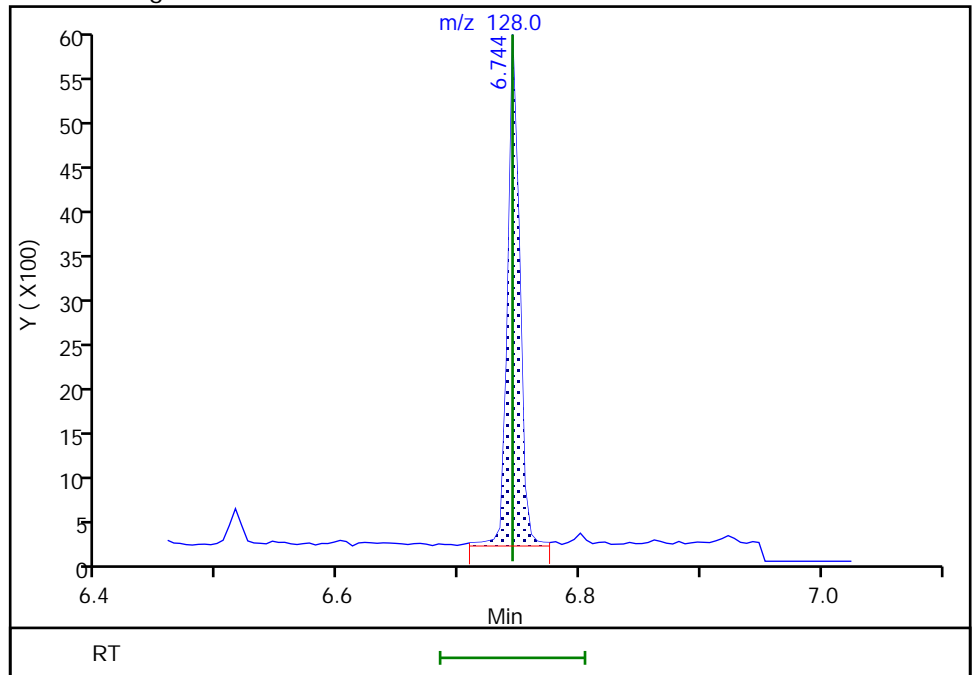
Not Detected
Expected RT: 6.74

Processing Integration Results



Manual Integration Results

RT: 6.74
Area: 3965
Amount: 4.992650
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:01:09
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle

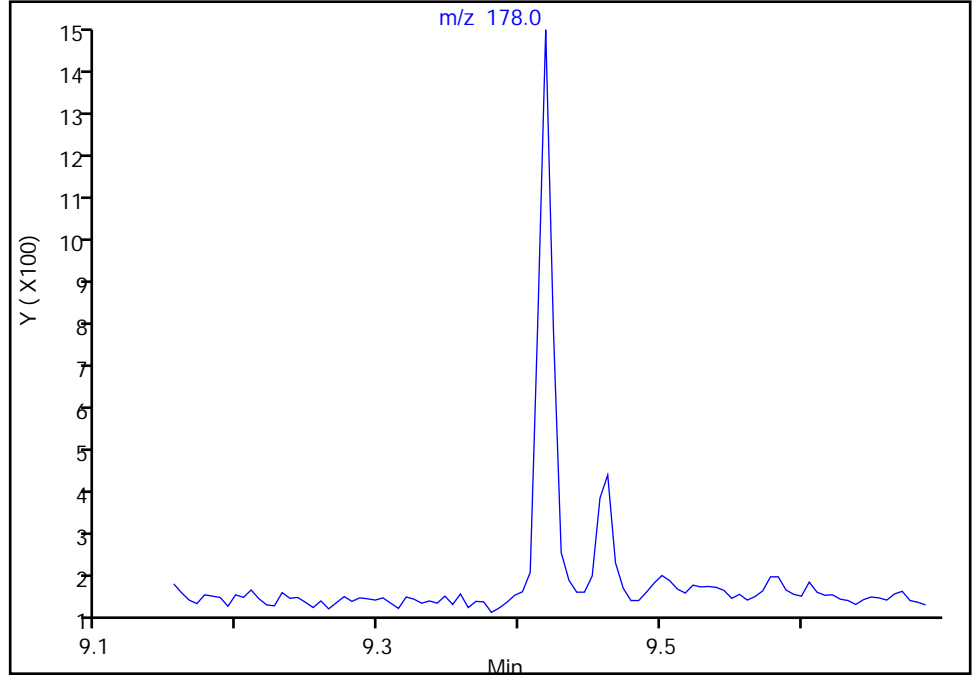
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b016.D
Injection Date: 25-Mar-2022 20:46:30 Instrument ID: SEA101
Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
Client ID: ERH2804 (RHMW12A)
Operator ID: tl ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Phenanthrene, CAS: 85-01-8

Signal: 1

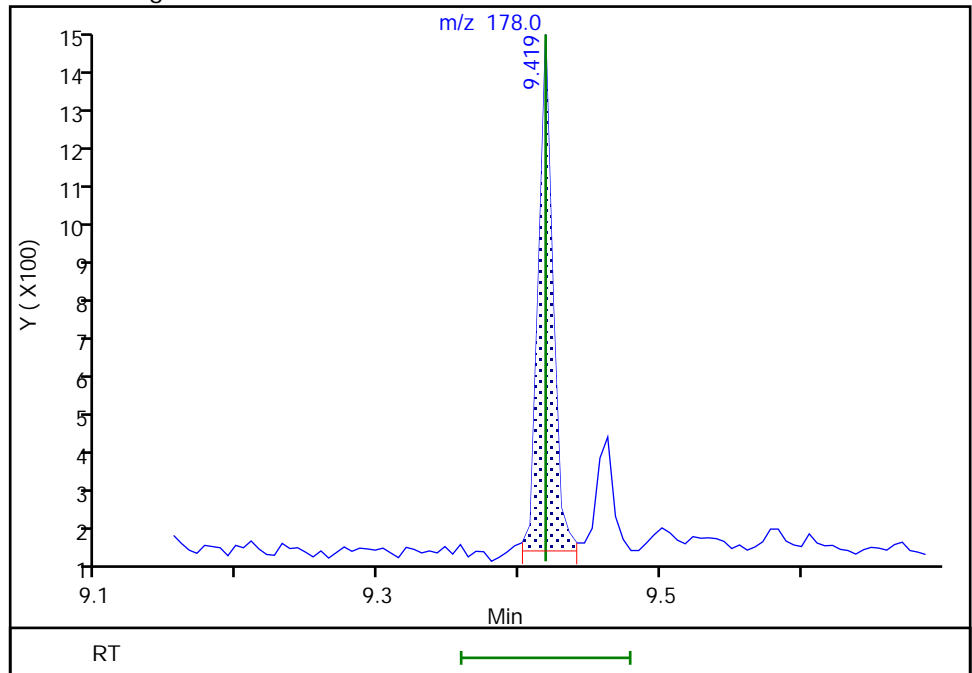
Not Detected
Expected RT: 9.42

Processing Integration Results



Manual Integration Results

RT: 9.42
Area: 927
Amount: 1.326929
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:01:49
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

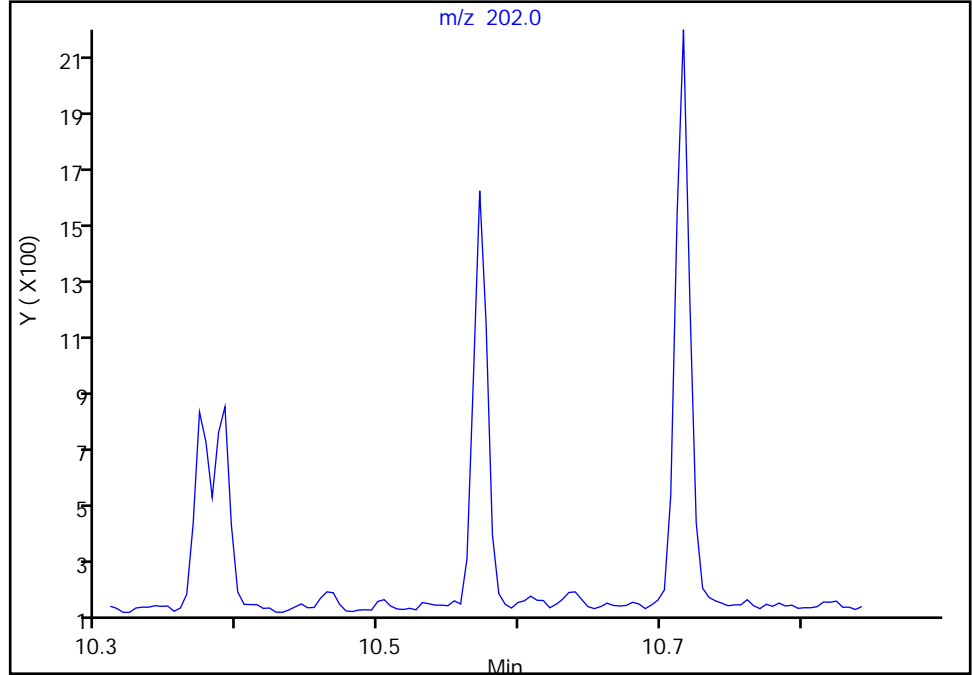
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b016.D
Injection Date: 25-Mar-2022 20:46:30 Instrument ID: SEA101
Lims ID: 580-111436-B-3-A Lab Sample ID: 580-111436-3
Client ID: ERH2804 (RHMW12A)
Operator ID: tl ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Pyrene, CAS: 129-00-0

Signal: 1

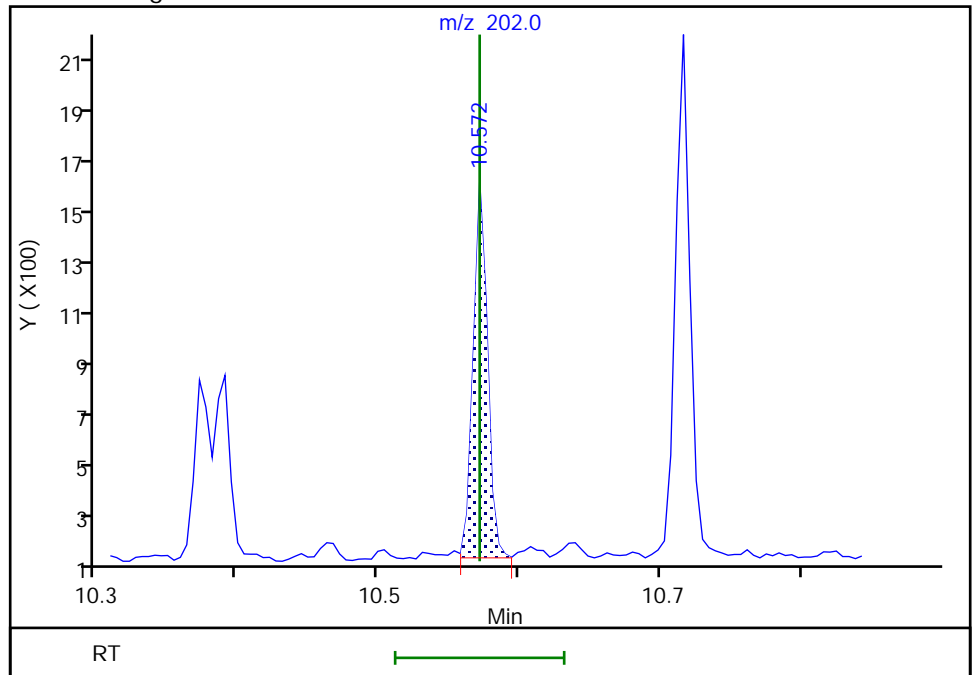
Not Detected
Expected RT: 10.57

Processing Integration Results



RT: 10.57
Area: 1011
Amount: 1.420587
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:02:16
Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2818 (RHMW05) Lab Sample ID: 580-111436-4
 Matrix: Water Lab File ID: 032522b017.D
 Analysis Method: 8270E SIM Date Collected: 03/15/2022 09:05
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 991.6(mL) Date Analyzed: 03/25/2022 21:10
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 385175 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U M	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.081	U	0.20	0.081	0.039
83-32-9	Acenaphthene	0.032	U M	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U M	0.050	0.032	0.0091
120-12-7	Anthracene	0.081	U M	0.10	0.081	0.022
56-55-3	Benzo[a]anthracene	0.032	U M	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U M	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U M	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U M	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U M	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U M	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U M	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U M	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U M	0.050	0.032	0.014
91-20-3	Naphthalene	0.081	U M	0.10	0.081	0.031
85-01-8	Phenanthrene	0.081	U M	0.10	0.081	0.031
129-00-0	Pyrene	0.081	U M	0.10	0.081	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	69		40-140
93951-69-0	Fluoranthene-d10 (Surr)	91		40-140
1718-51-0	Terphenyl-d14	101		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
 Lims ID: 580-111436-A-4-A
 Client ID: ERH2818 (RHMW05)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 21:10:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-A-4-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 10:55:09 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 11:24:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	59049	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	78514	100.0	
* 3 Acenaphthene-d10	164	8.183	8.183	0.000	1	36558	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	60548	100.0	
* 5 Chrysene-d12	240	11.599	11.599	0.000	1	47118	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	53967	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.301	7.300	0.000	97	295316	686.5	
\$ 8 2-Fluorobiphenyl	172	7.643	7.643	0.001	1	380740	677.4	
\$ 9 2,4,6-Tribromophenol	330	8.833	8.832	0.000	1	61266	861.1	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	526601	907.4	
\$ 11 Terphenyl-d14	244	10.716	10.716	0.000	1	418132	1007.6	
12 Naphthalene	128	6.744	6.744	0.000	1	5524	6.77	M
13 2-Methylnaphthalene	142	7.326	7.331	-0.005	1	2783	5.70	
14 1-Methylnaphthalene	142	7.408	7.408	0.000	1	1853	3.86	M
15 Acenaphthylene	152	8.065	8.065	0.000	1	235	0.3664	M
16 Acenaphthene	153	8.208	8.213	-0.005	1	187	0.4014	M
17 Fluorene	166	8.638	8.637	0.001	0	344	0.7387	M
18 Pentachlorophenol	266	9.242	9.242	0.000	1	404	103.2	M
19 Phenanthrene	178	9.419	9.419	0.001	1	2402	3.39	M
20 Anthracene	178	9.463	9.463	0.000	1	454	1.21	M
21 Fluoranthene	202	10.391	10.391	0.000	1	2272	3.31	M
22 Pyrene	202	10.572	10.572	0.000	21	2970	4.11	M
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	865	1.65	M
24 Chrysene	228	11.621	11.621	0.000	1	990	1.28	M
25 Benzo[b]fluoranthene	252	12.705	12.700	0.005	1	830	1.29	M
26 Benzo[k]fluoranthene	252	12.732	12.732	0.000	1	440	0.7623	M
27 Benzo[a]pyrene	252	13.073	13.073	0.000	1	595	1.02	M
28 Indeno[1,2,3-cd]pyrene	276	14.446	14.451	-0.005	1	404	0.7622	M
30 Benzo[g,h,i]perylene	276	14.775	14.780	-0.005	1	508	0.6866	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

MecI2_CT_00215

Amount Added: 1.00

Units: uL

Run Reagent

8270SIM_IS_00070

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D

Injection Date: 25-Mar-2022 21:10:30

Instrument ID: SEA101

Lims ID: 580-111436-A-4-A

Lab Sample ID: 580-111436-4

Client ID: ERH2818 (RHMW05)

Operator ID: tl

ALS Bottle#: 12

Worklist Smp#: 12

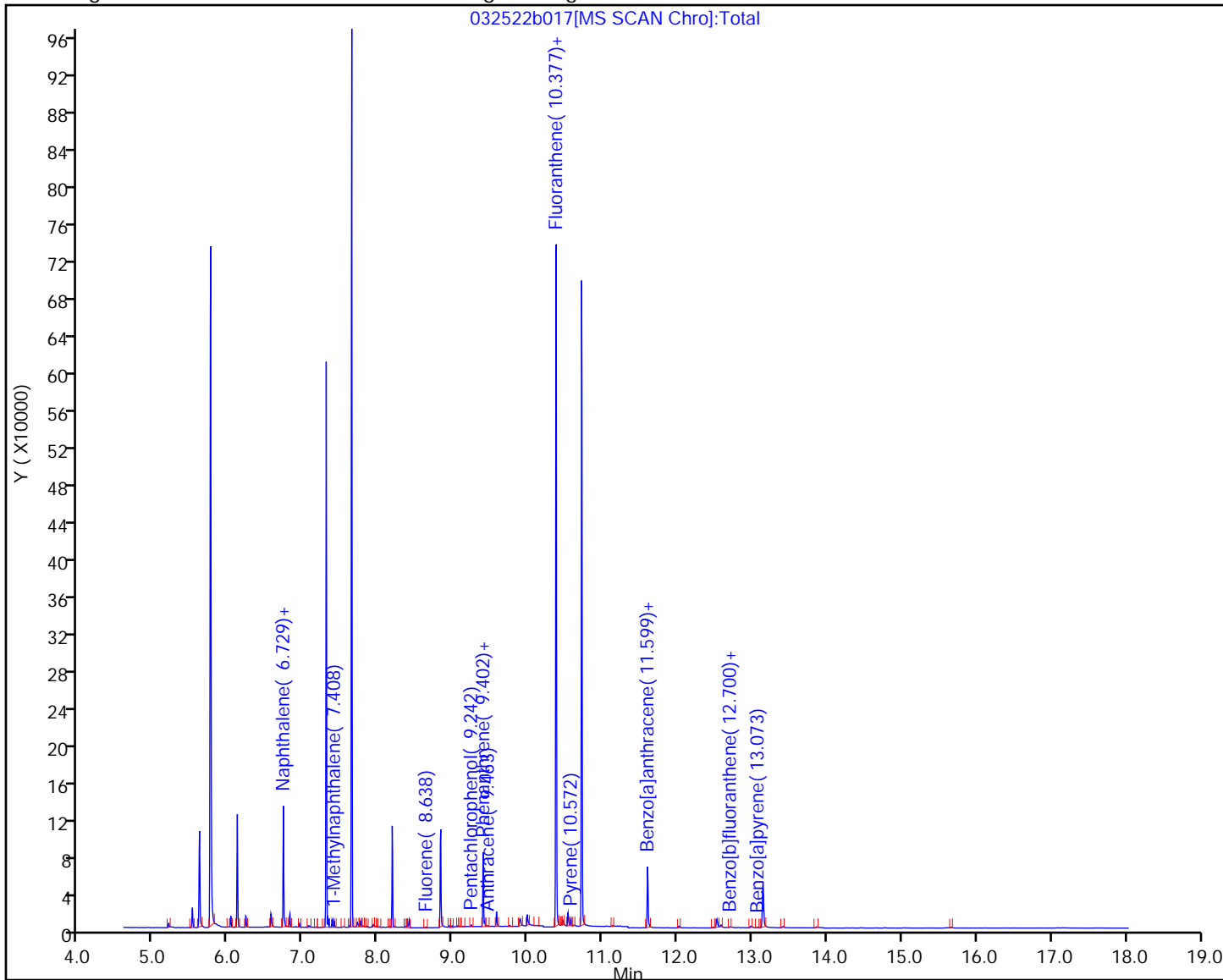
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
 Lims ID: 580-111436-A-4-A
 Client ID: ERH2818 (RHMW05)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 21:10:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-A-4-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 10:55:09 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt Date: 28-Mar-2022 11:24:38

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-methylnaphthalene-d10	1000.0	686.5	68.65
\$ 8 2-Fluorobiphenyl	1000.0	677.4	67.74
\$ 9 2,4,6-Tribromophenol	1000.0	861.1	86.11
\$ 10 Fluoranthene-d10 (Surr)	1000.0	907.4	90.74
\$ 11 Terphenyl-d14	1000.0	1007.6	100.76

Eurofins Seattle

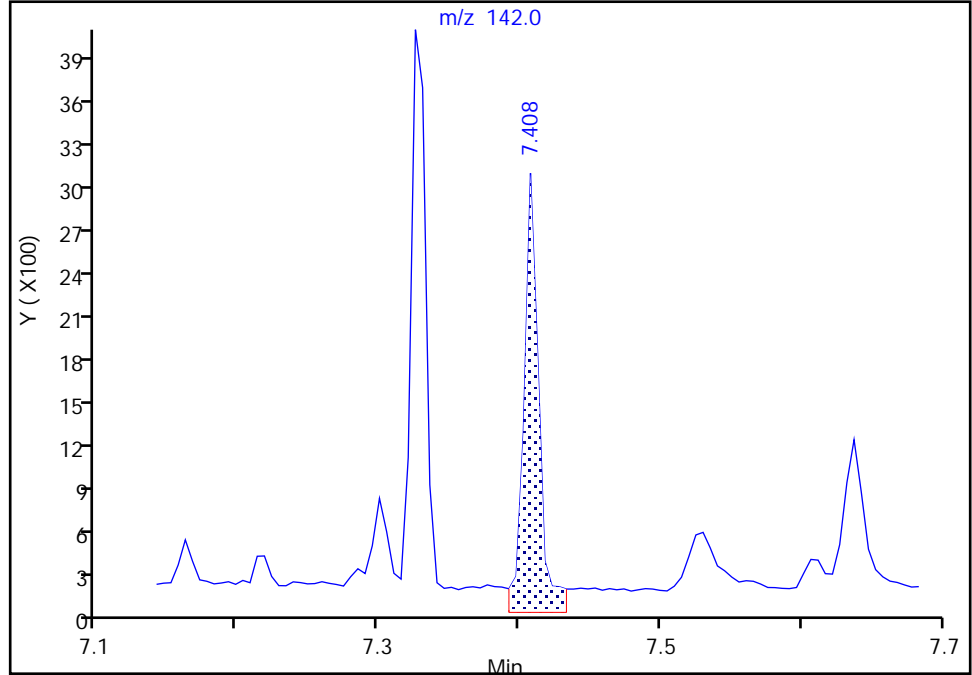
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

14 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

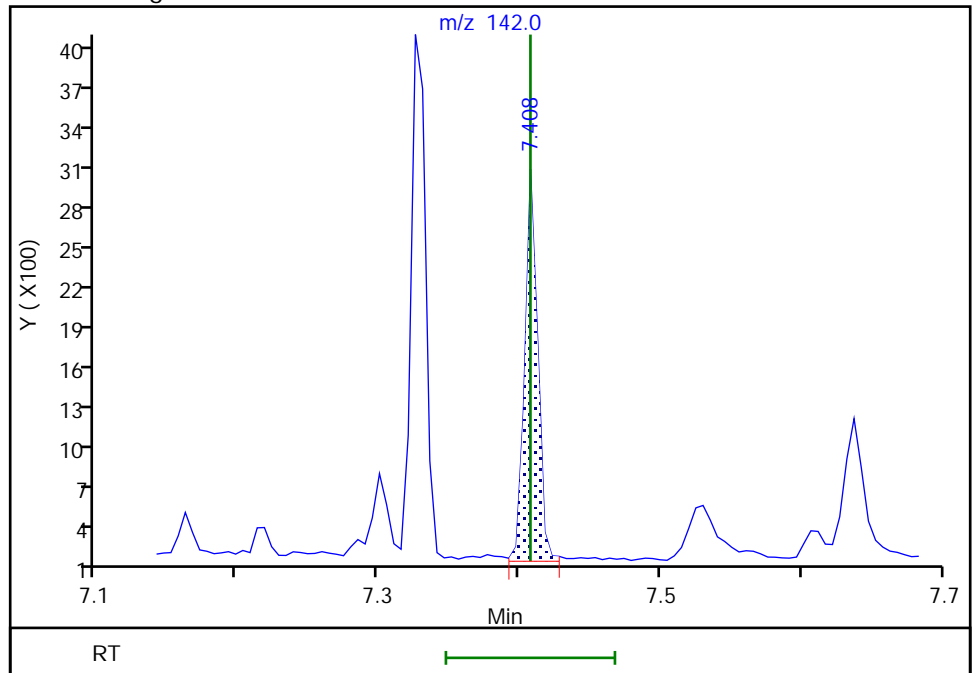
RT: 7.41
Area: 2209
Amount: 4.606140
Amount Units: ug/L

Processing Integration Results



RT: 7.41
Area: 1853
Amount: 3.863820
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:04:43
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

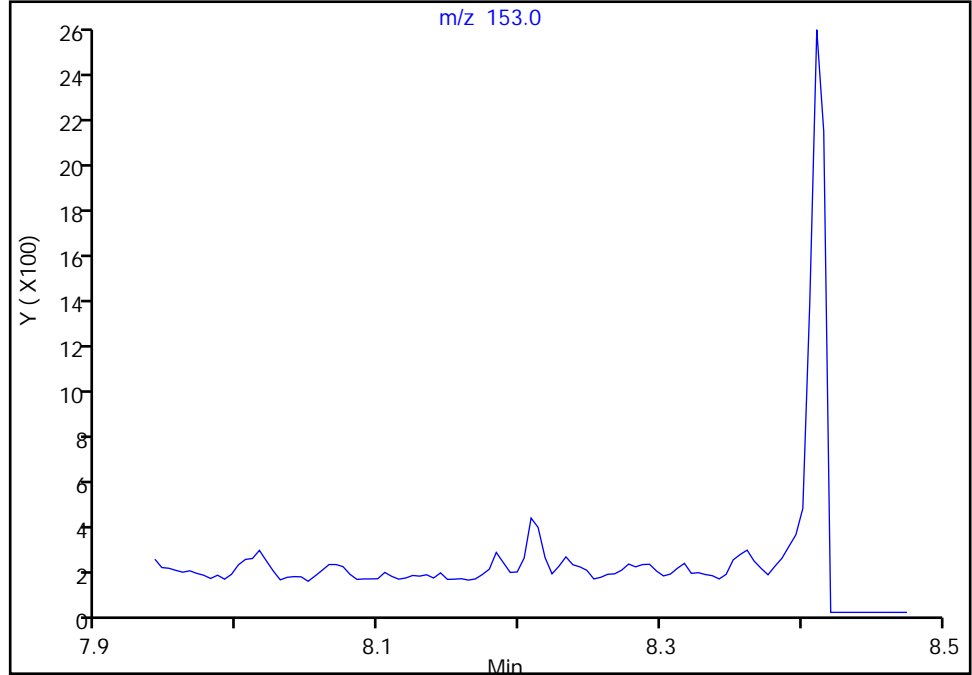
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Acenaphthene, CAS: 83-32-9

Signal: 1

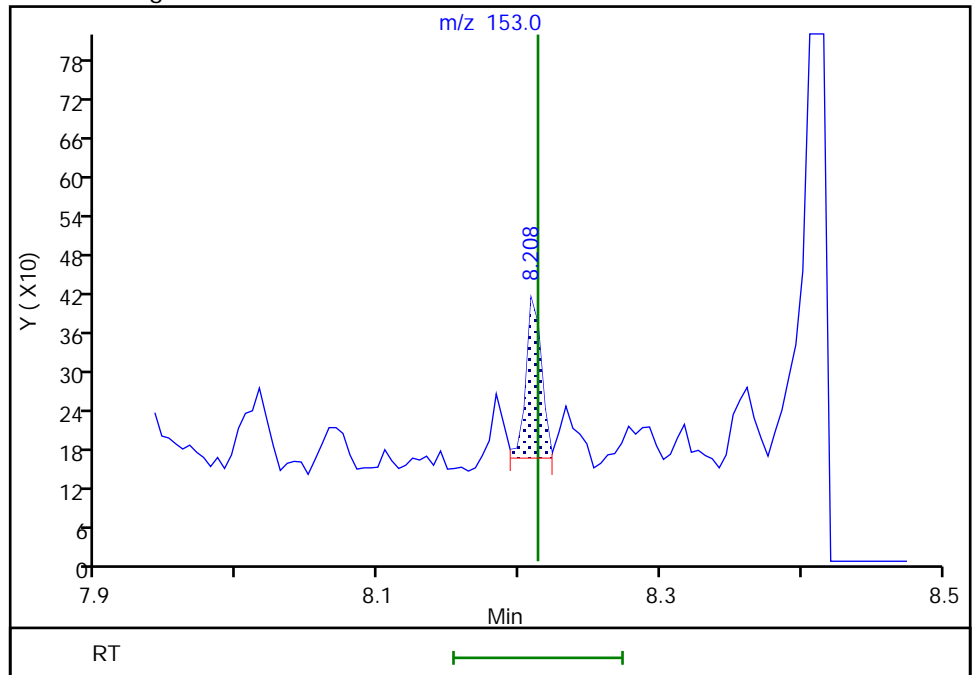
Not Detected
Expected RT: 8.21

Processing Integration Results



Manual Integration Results

RT: 8.21
Area: 187
Amount: 0.401389
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:04:59
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

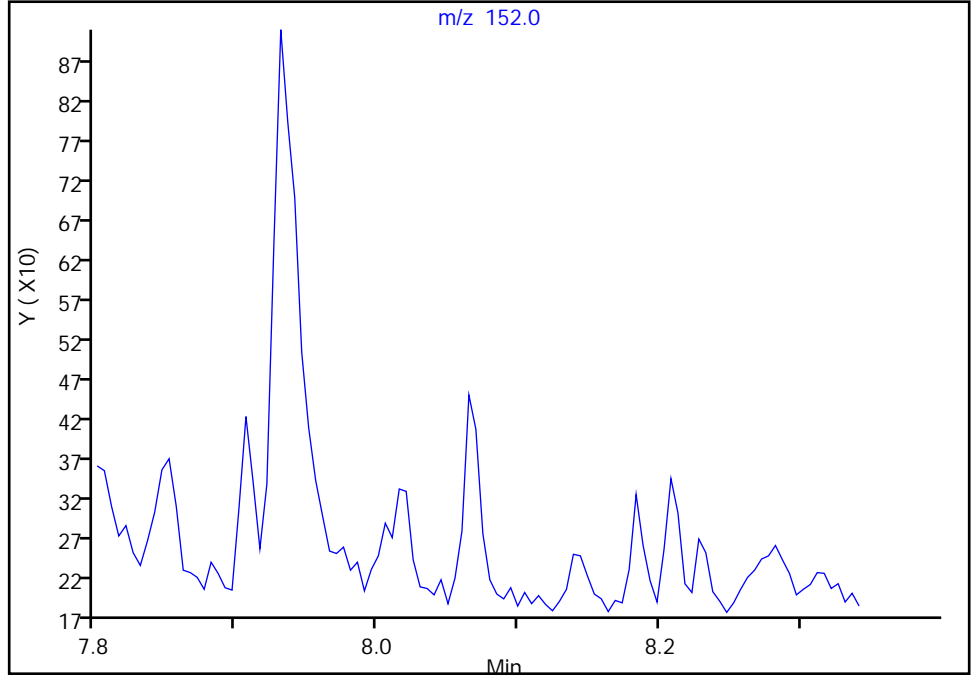
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

15 Acenaphthylene, CAS: 208-96-8

Signal: 1

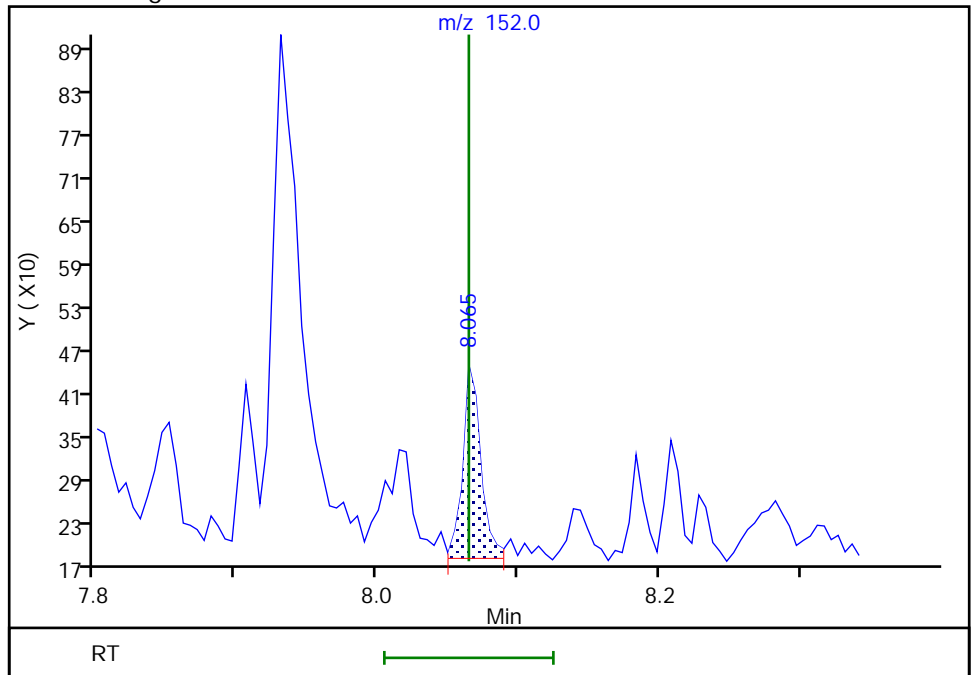
Not Detected
Expected RT: 8.06

Processing Integration Results



Manual Integration Results

RT: 8.06
Area: 235
Amount: 0.366412
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:04:53
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

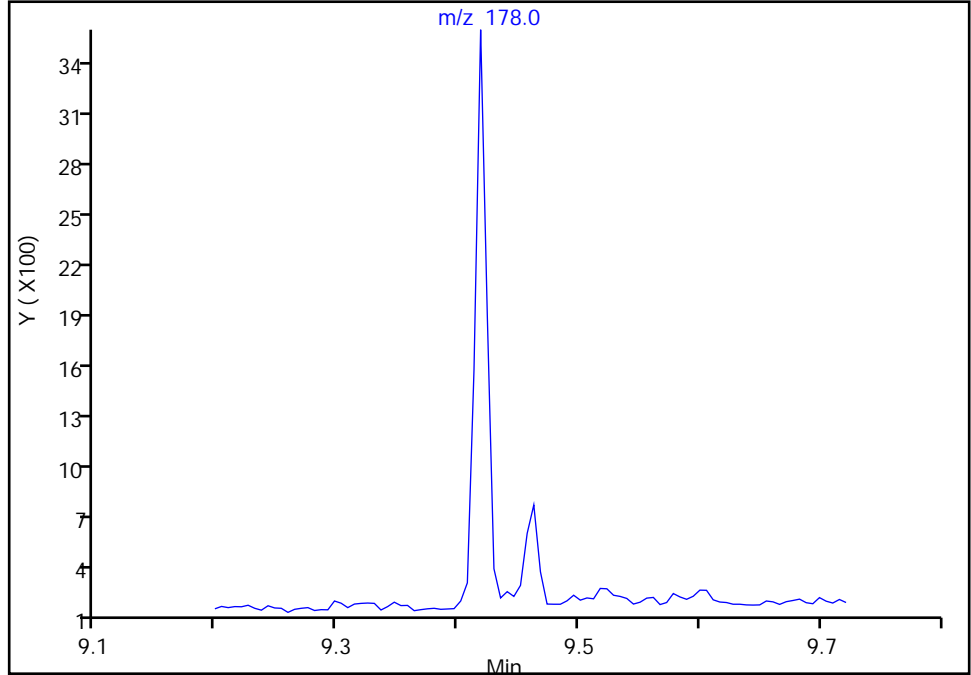
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Anthracene, CAS: 120-12-7

Signal: 1

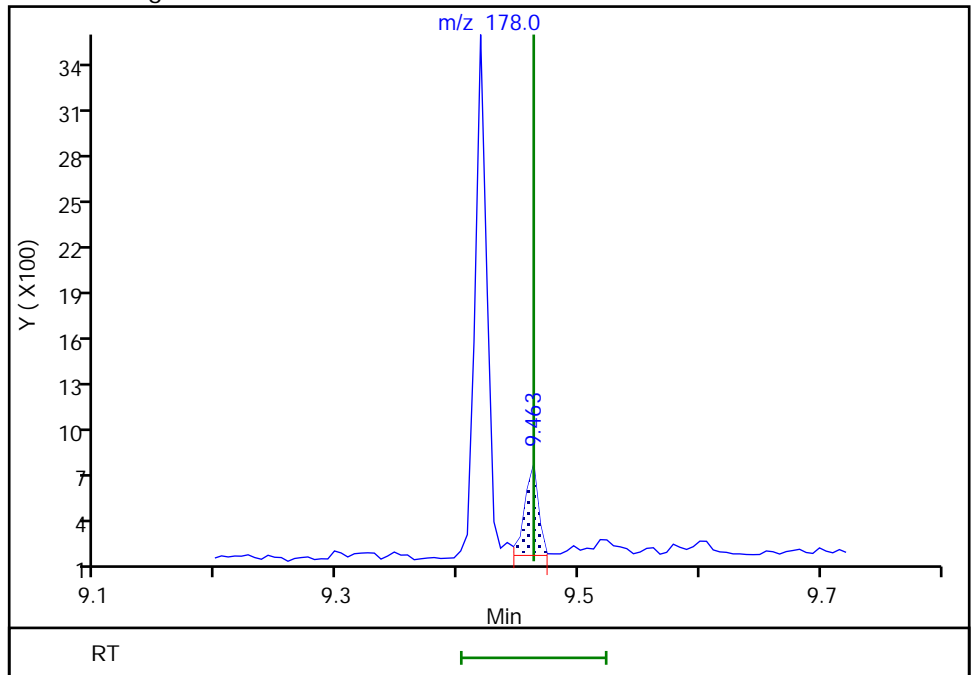
Not Detected
Expected RT: 9.46

Processing Integration Results



Manual Integration Results

RT: 9.46
Area: 454
Amount: 1.208931
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:05:32
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

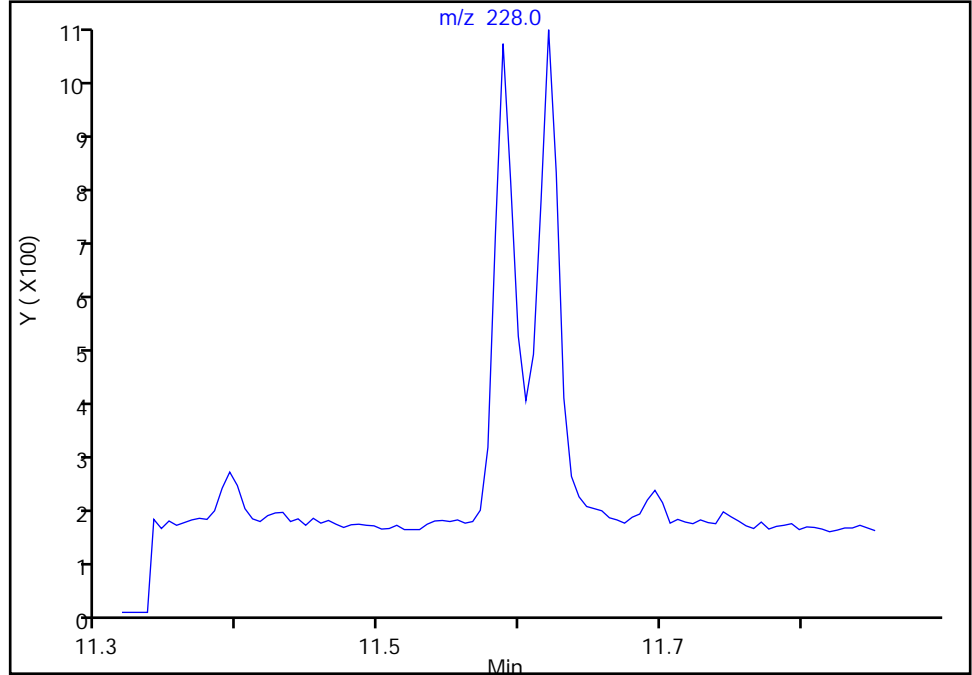
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

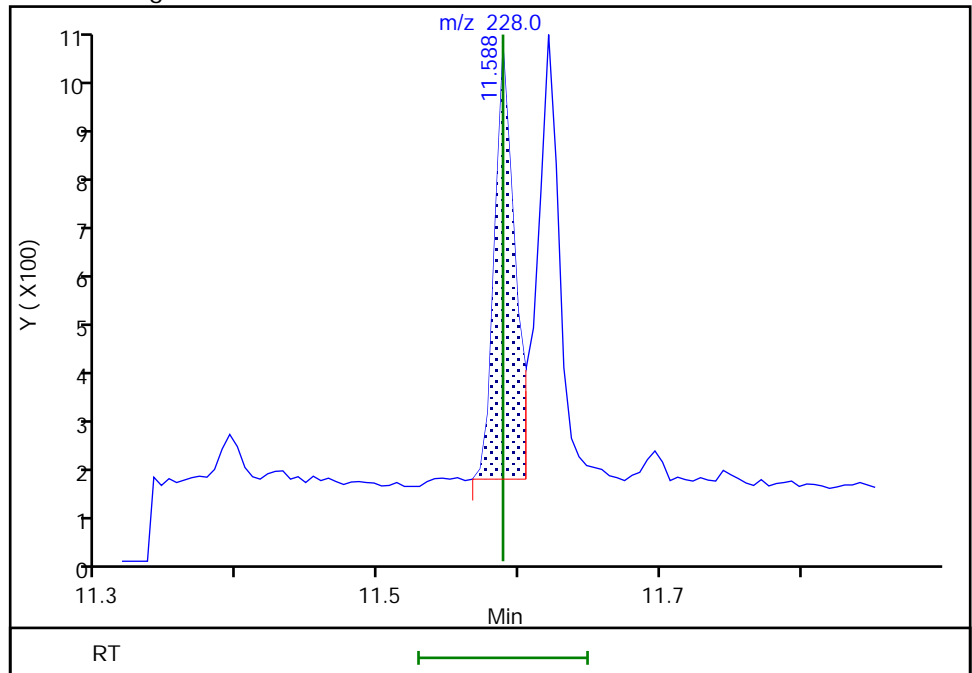
Not Detected
Expected RT: 11.59

Processing Integration Results



Manual Integration Results

RT: 11.59
Area: 865
Amount: 1.649277
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:05:57
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

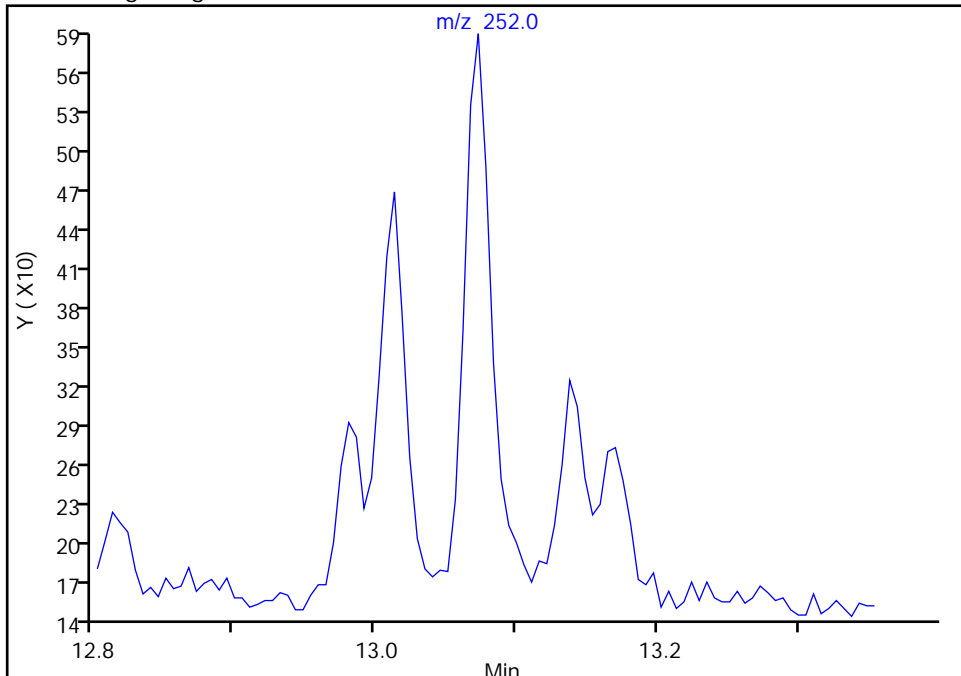
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

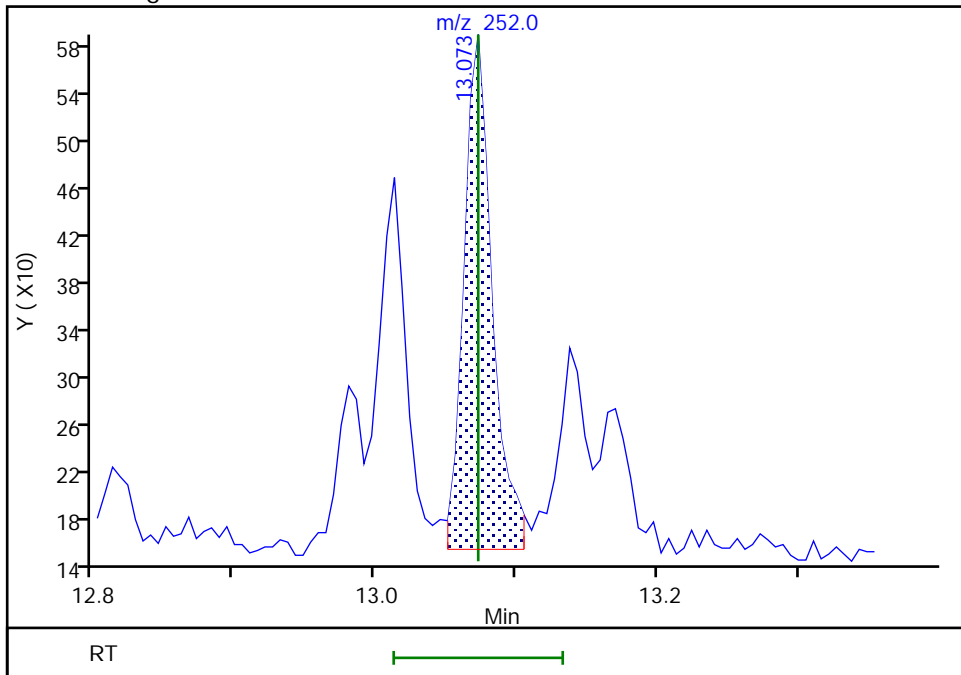
Not Detected
Expected RT: 13.07

Processing Integration Results



Manual Integration Results

RT: 13.07
Area: 595
Amount: 1.021362
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:06:29
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

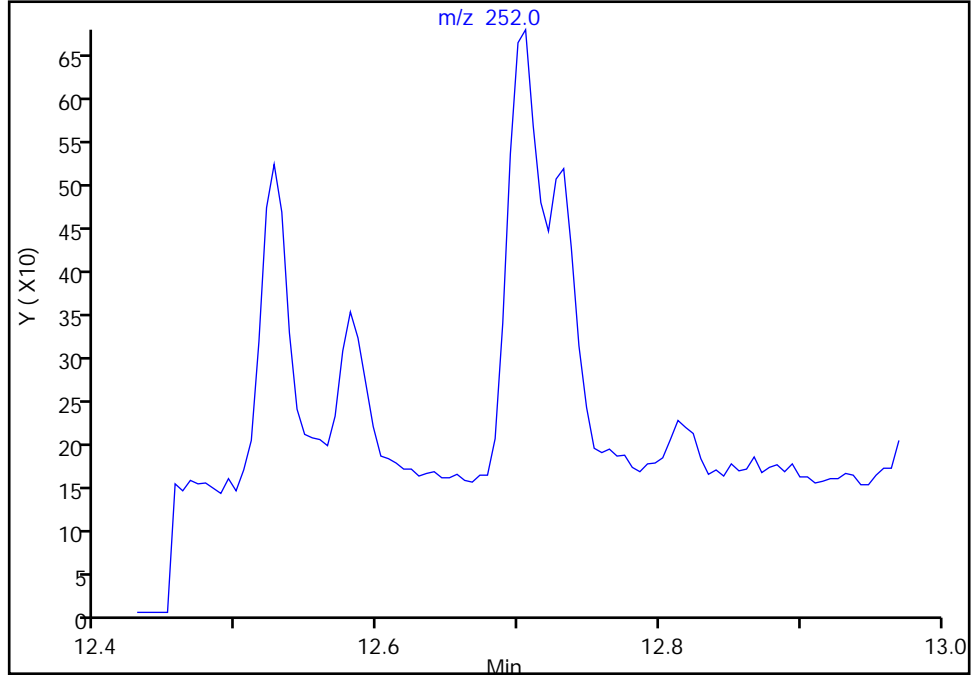
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[b]fluoranthene, CAS: 205-99-2

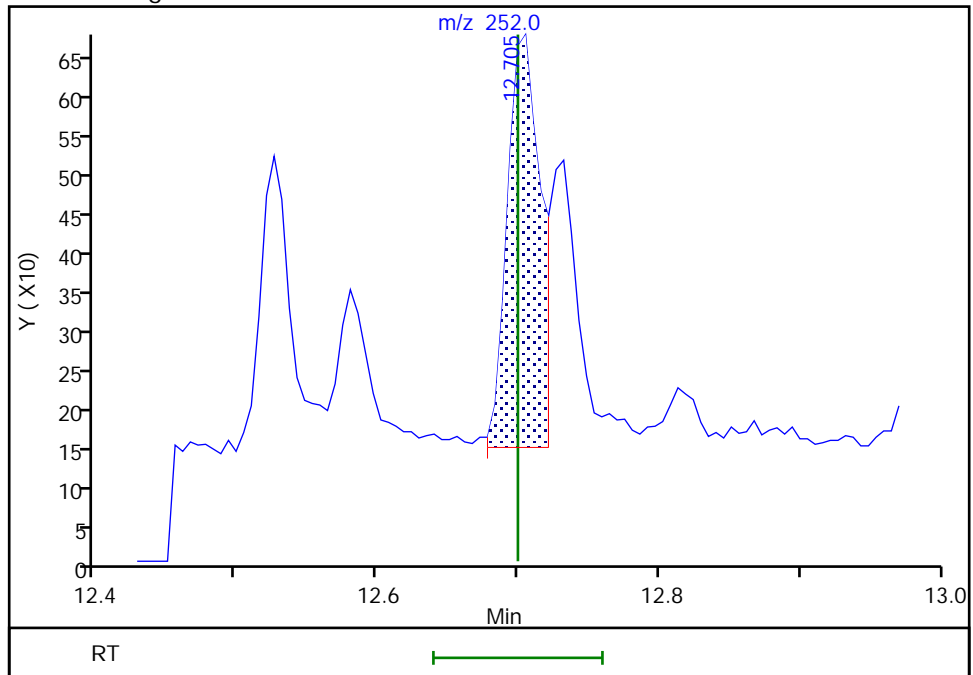
Signal: 1

Not Detected
Expected RT: 12.70

Processing Integration Results



Manual Integration Results



RT: 12.70
Area: 830
Amount: 1.294834
Amount Units: ug/L

Reviewer: limwirojt, 28-Mar-2022 10:06:13
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

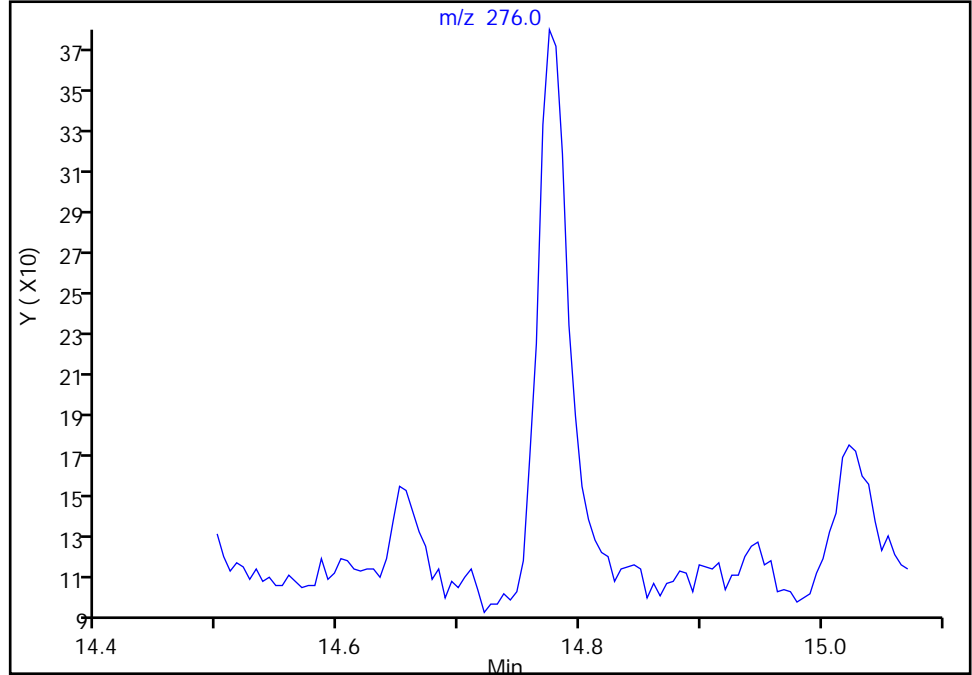
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

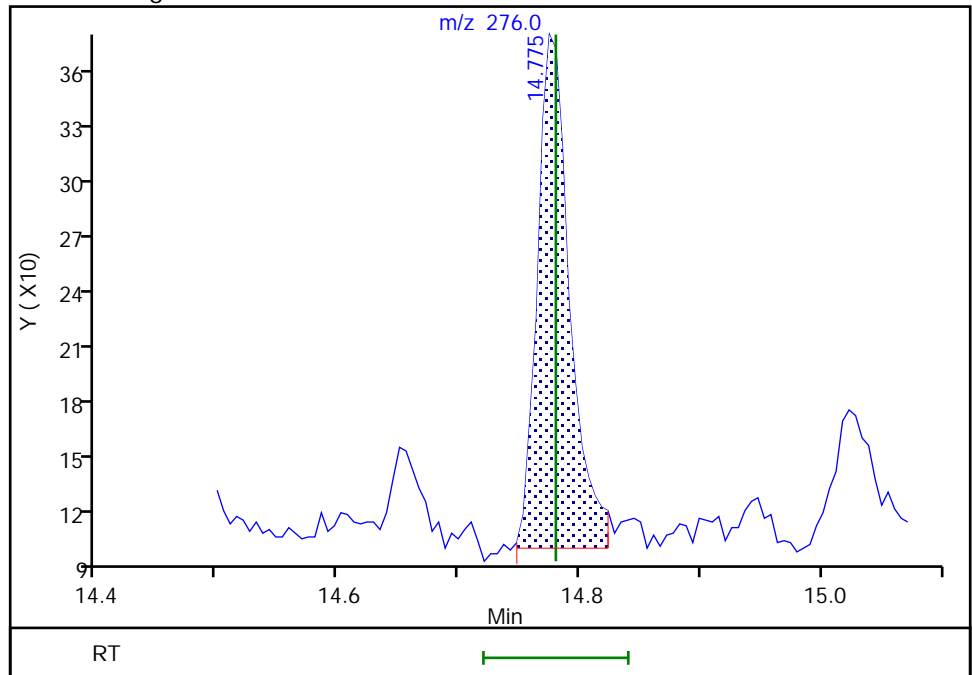
Not Detected
Expected RT: 14.78

Processing Integration Results



Manual Integration Results

RT: 14.77
Area: 508
Amount: 0.686586
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:06:40
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

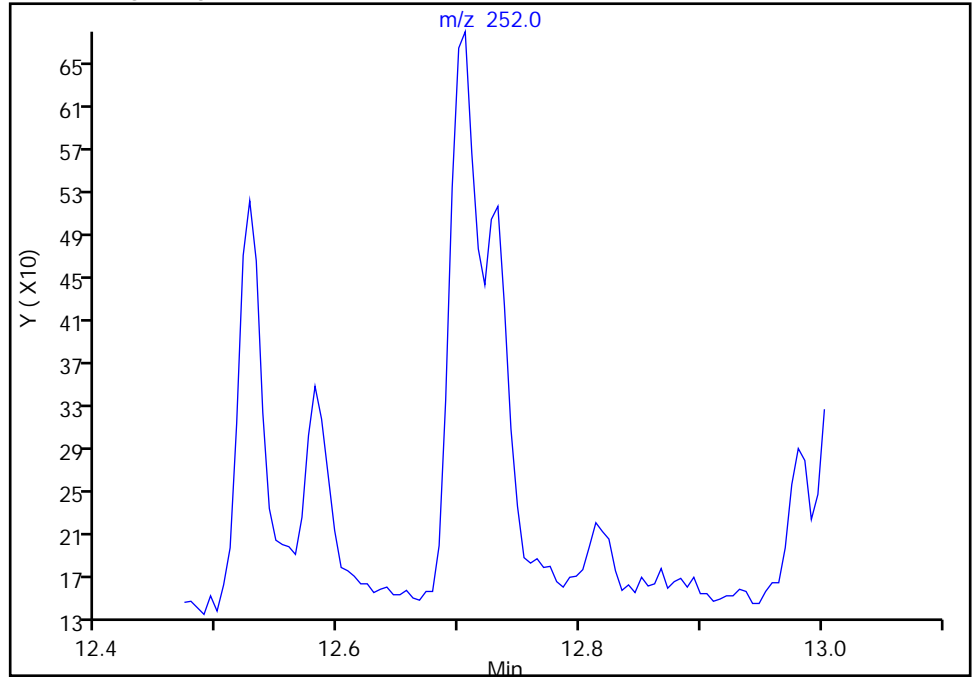
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

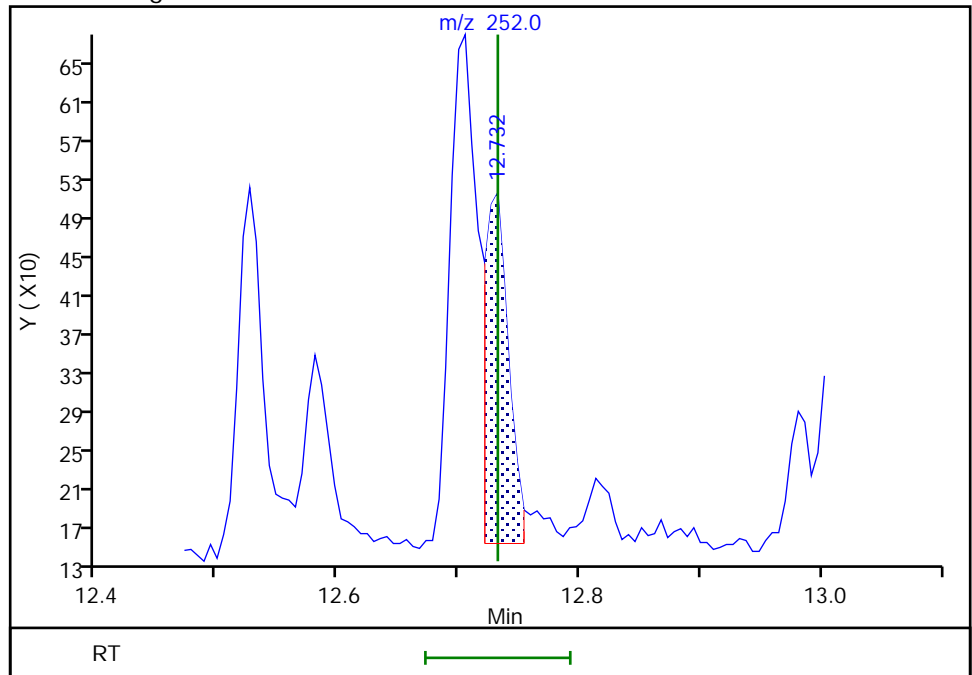
Not Detected
Expected RT: 12.73

Processing Integration Results



Manual Integration Results

RT: 12.73
Area: 440
Amount: 0.762251
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:06:22
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

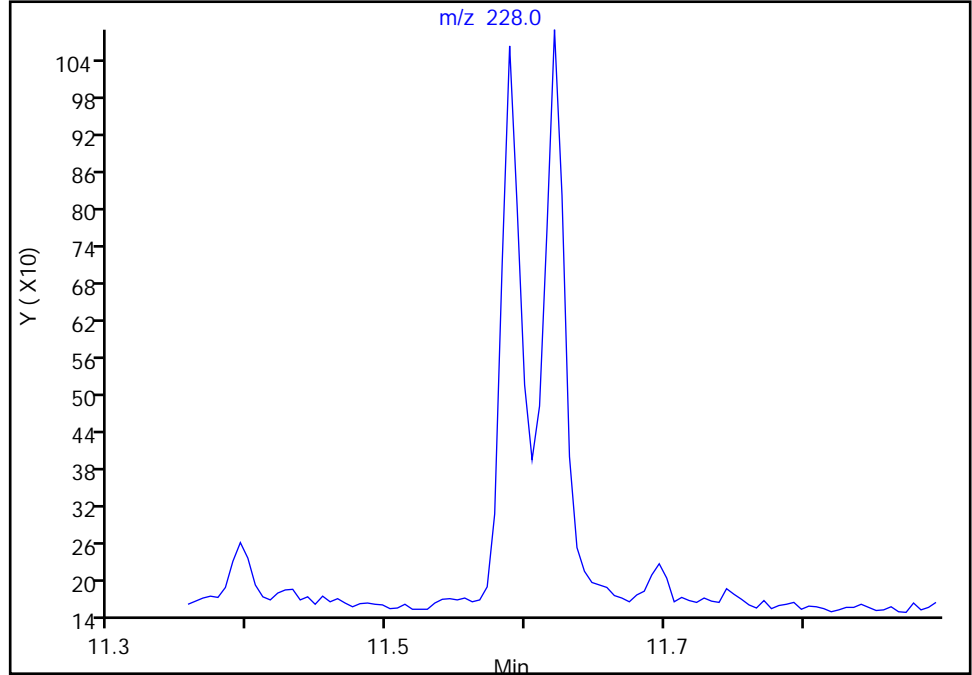
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Chrysene, CAS: 218-01-9

Signal: 1

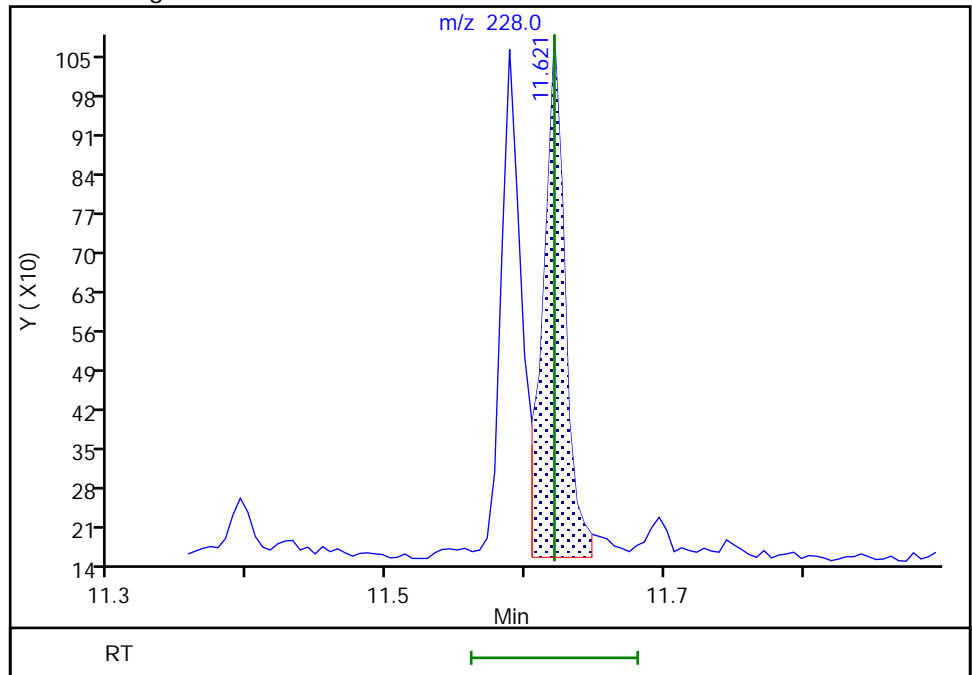
Not Detected
Expected RT: 11.62

Processing Integration Results



Manual Integration Results

RT: 11.62
Area: 990
Amount: 1.284122
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:06:02
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

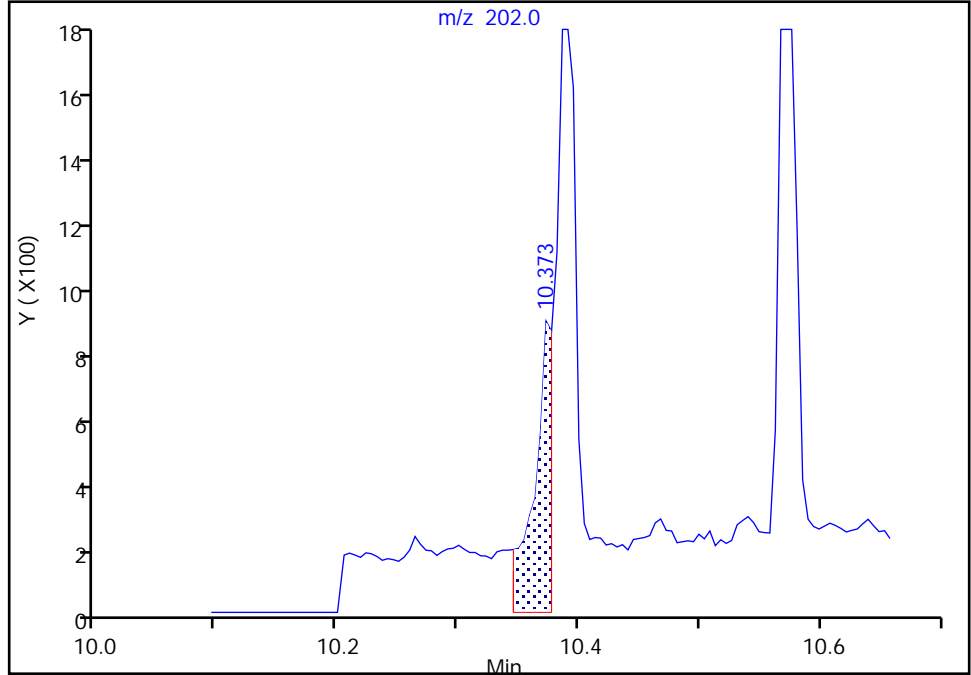
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Fluoranthene, CAS: 206-44-0

Signal: 1

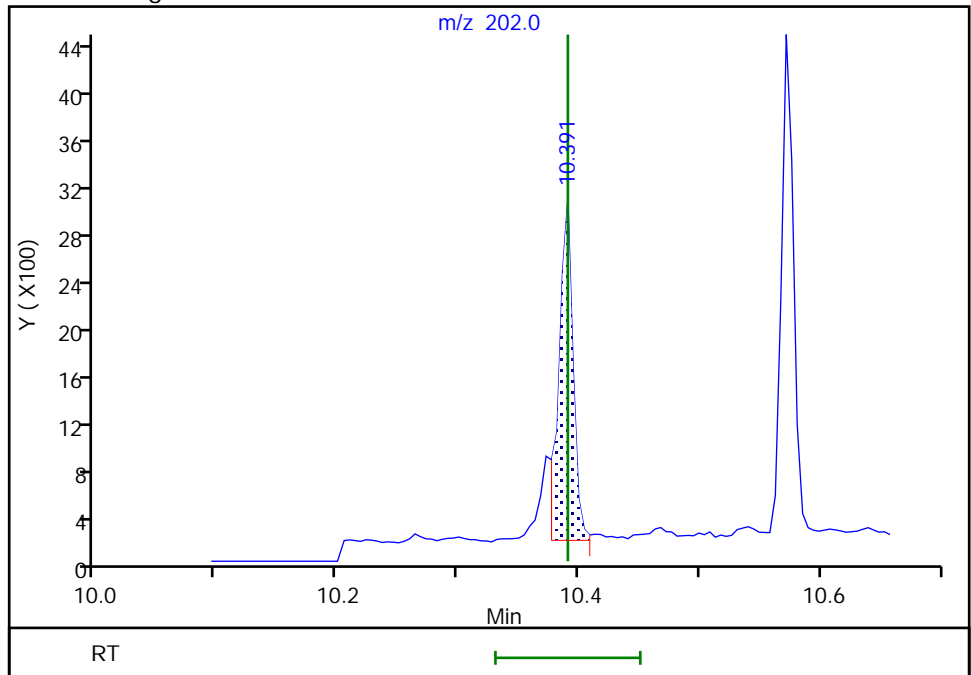
RT: 10.37
Area: 827
Amount: 1.203279
Amount Units: ug/L

Processing Integration Results



RT: 10.39
Area: 2272
Amount: 3.305743
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:05:42
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

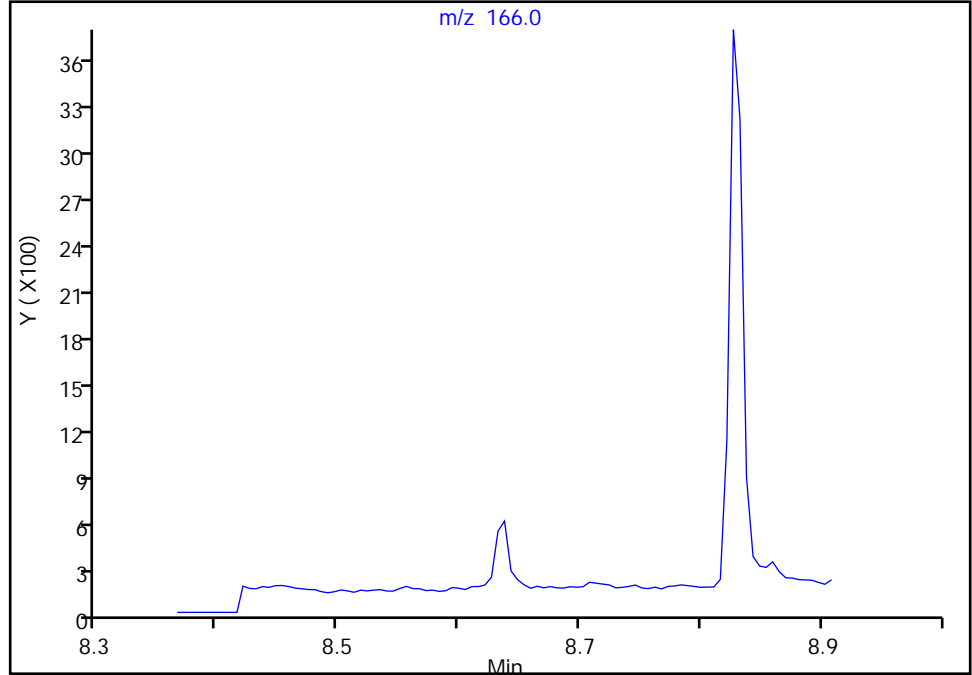
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

17 Fluorene, CAS: 86-73-7

Signal: 1

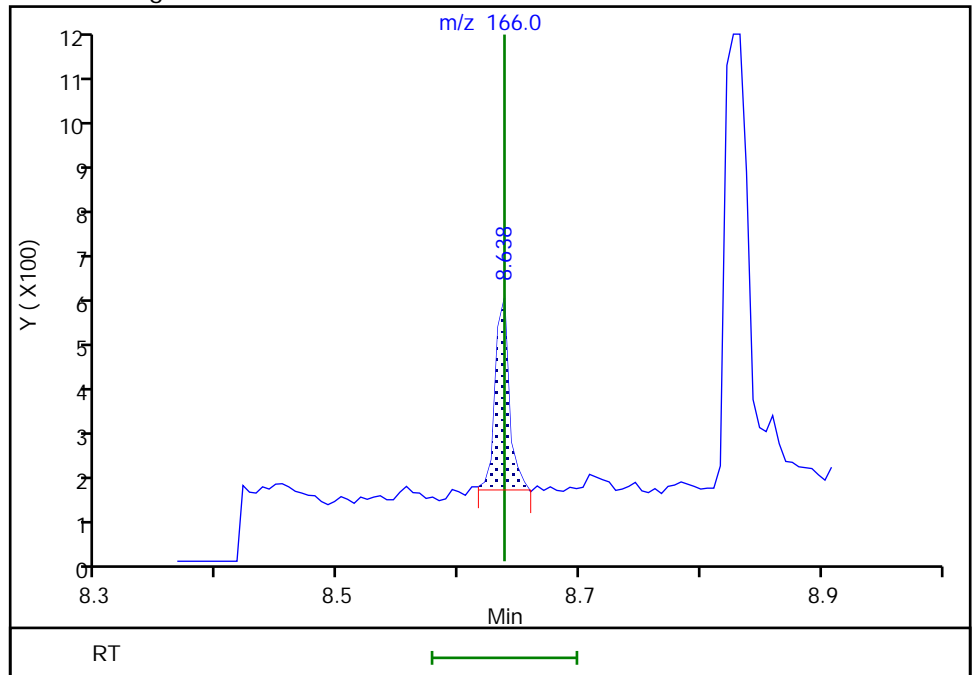
Not Detected
Expected RT: 8.64

Processing Integration Results



Manual Integration Results

RT: 8.64
Area: 344
Amount: 0.738705
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:05:05
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

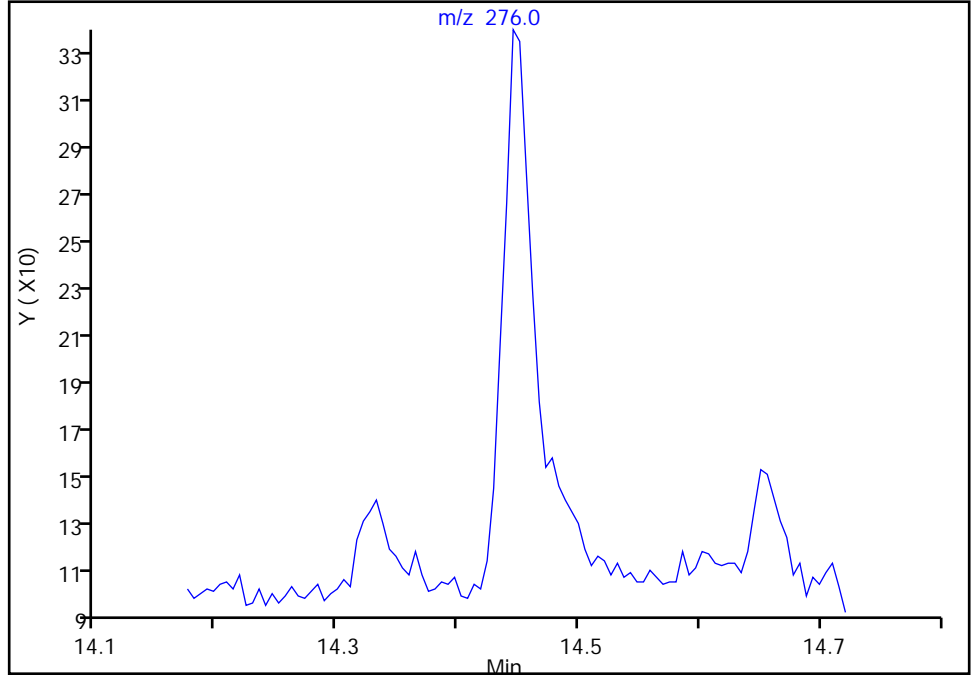
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

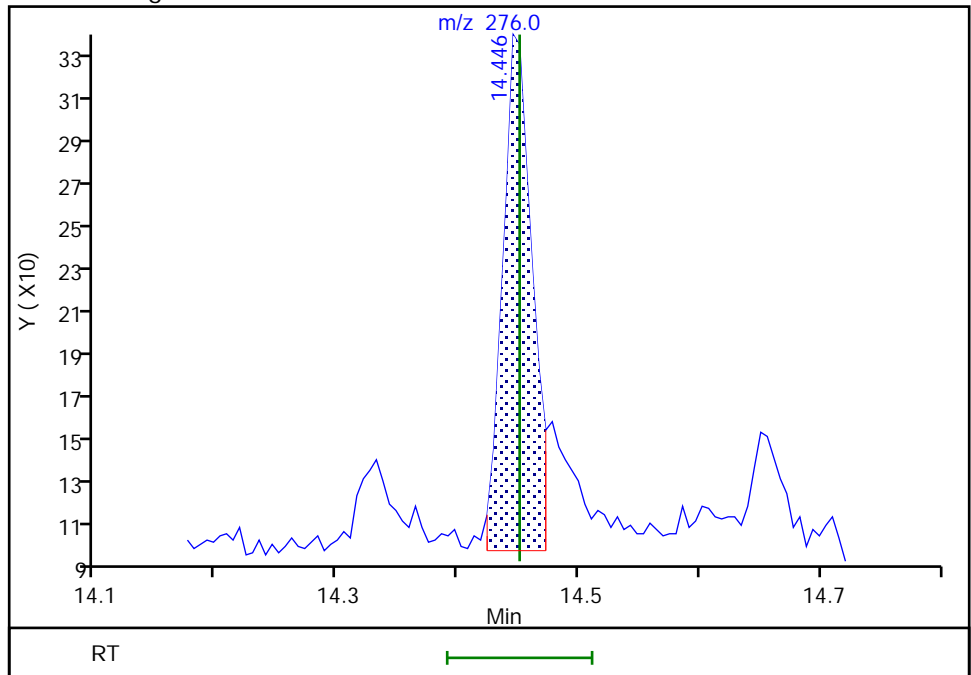
Not Detected
Expected RT: 14.45

Processing Integration Results



Manual Integration Results

RT: 14.45
Area: 404
Amount: 0.762245
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:06:33
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

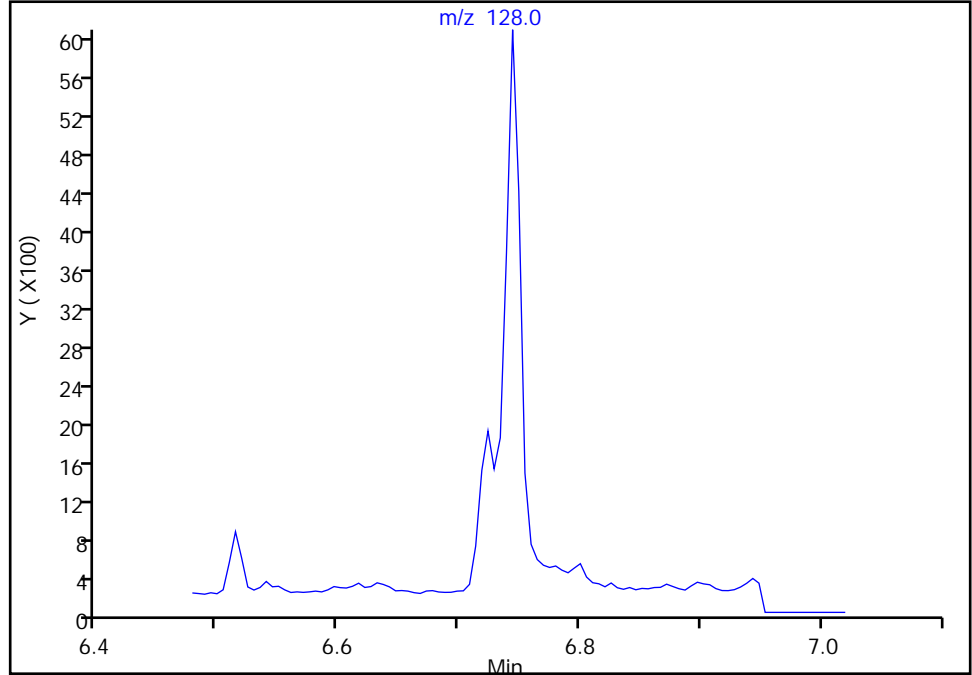
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

12 Naphthalene, CAS: 91-20-3

Signal: 1

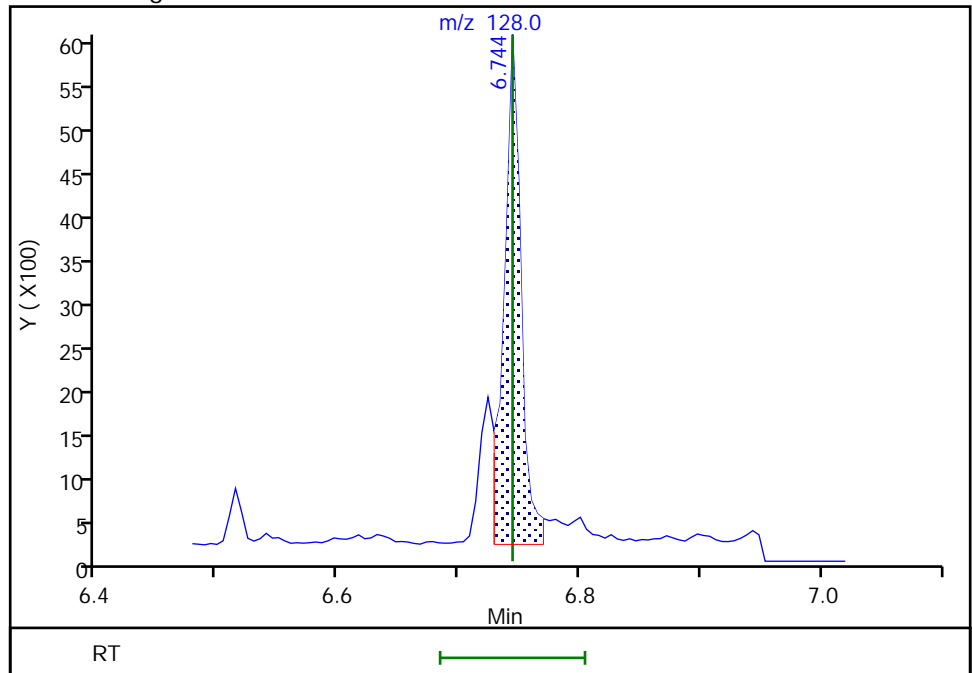
Not Detected
Expected RT: 6.74

Processing Integration Results



Manual Integration Results

RT: 6.74
Area: 5524
Amount: 6.772682
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:04:33
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

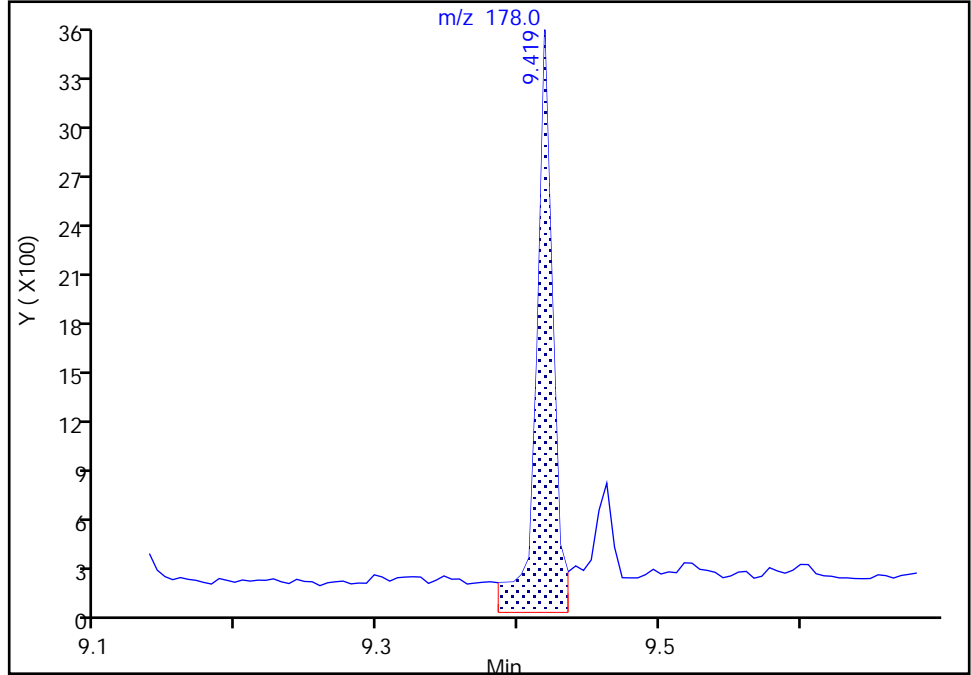
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Phenanthrene, CAS: 85-01-8

Signal: 1

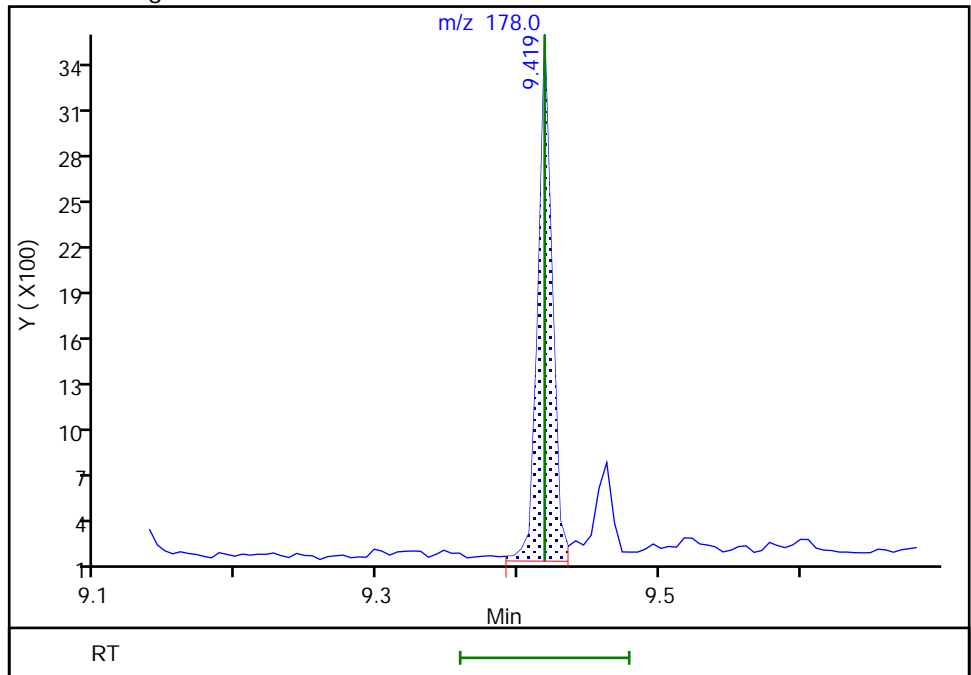
RT: 9.42
Area: 2870
Amount: 4.044880
Amount Units: ug/L

Processing Integration Results



RT: 9.42
Area: 2402
Amount: 3.385297
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:05:21
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

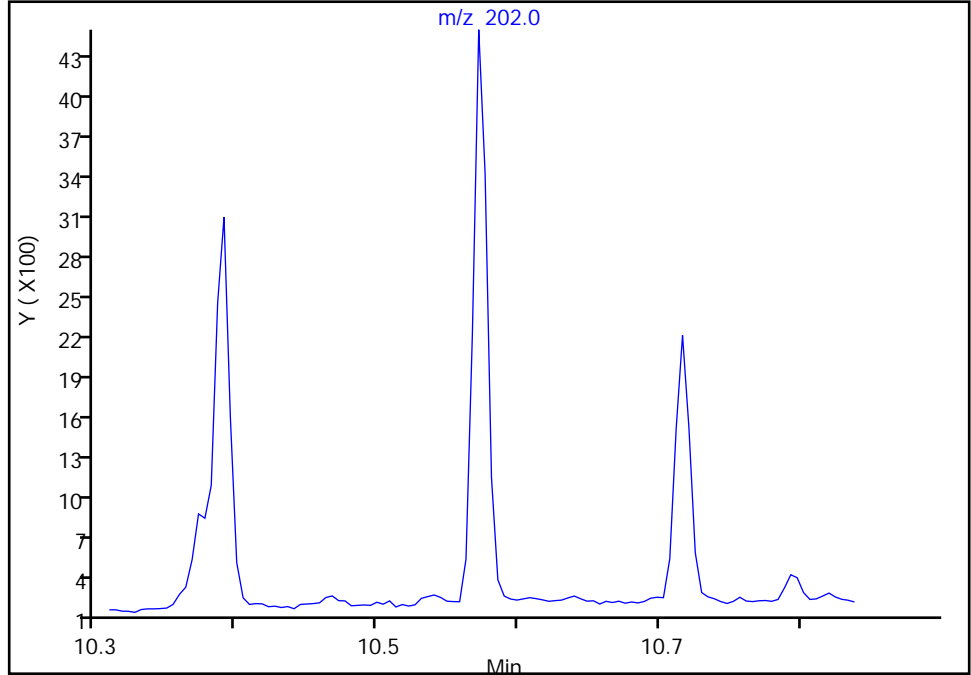
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b017.D
Injection Date: 25-Mar-2022 21:10:30 Instrument ID: SEA101
Lims ID: 580-111436-A-4-A Lab Sample ID: 580-111436-4
Client ID: ERH2818 (RHMW05)
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Pyrene, CAS: 129-00-0

Signal: 1

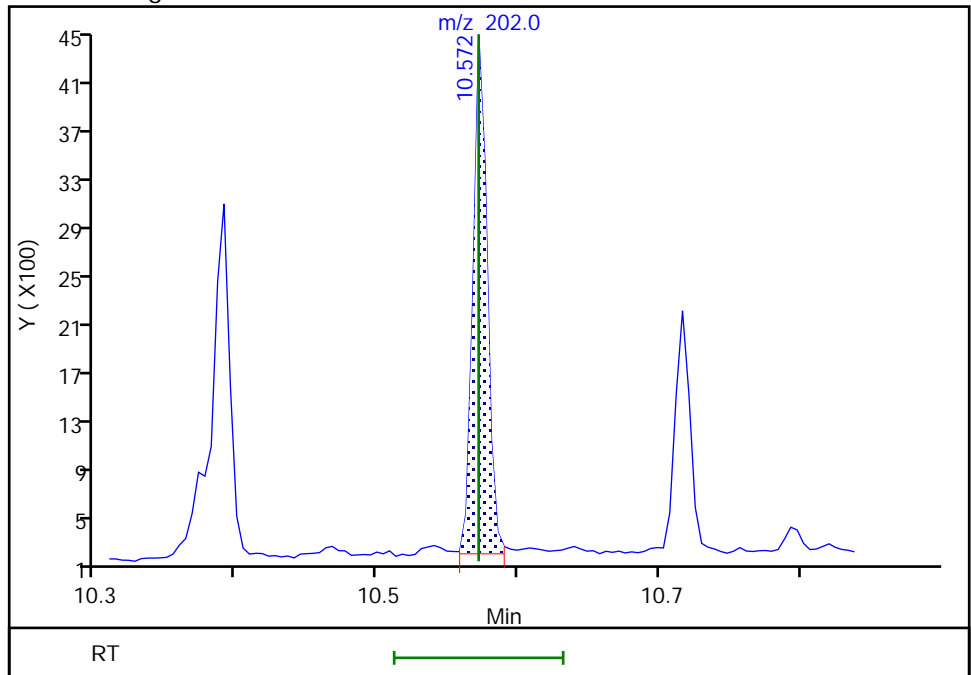
Not Detected
Expected RT: 10.57

Processing Integration Results



RT: 10.57
Area: 2970
Amount: 4.108931
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:05:47
Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2814 (RHMW01R) Lab Sample ID: 580-111436-5
 Matrix: Water Lab File ID: 032522b018.D
 Analysis Method: 8270E SIM Date Collected: 03/15/2022 10:20
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 992.1(mL) Date Analyzed: 03/25/2022 21:35
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 385175 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	J	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.081	U	0.20	0.081	0.039
83-32-9	Acenaphthene	0.019	J M	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U M	0.050	0.032	0.0091
120-12-7	Anthracene	0.081	U M	0.10	0.081	0.022
56-55-3	Benzo[a]anthracene	0.032	U M	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U M	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U M	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.032	0.014
91-20-3	Naphthalene	0.11		0.10	0.081	0.031
85-01-8	Phenanthrene	0.081	U M	0.10	0.081	0.031
129-00-0	Pyrene	0.081	U M	0.10	0.081	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	64		40-140
93951-69-0	Fluoranthene-d10 (Surr)	83		40-140
1718-51-0	Terphenyl-d14	89		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b018.D
 Lims ID: 580-111436-B-5-A
 Client ID: ERH2814 (RHMW01R)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 21:35:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-5-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 10:30:38 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 10:30:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	61878	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	82803	100.0	
* 3 Acenaphthene-d10	164	8.183	8.183	0.000	1	55334	100.0	M
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	71827	100.0	M
* 5 Chrysene-d12	240	11.599	11.599	0.000	1	55887	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	63516	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.300	0.000	97	288505	635.9	
\$ 8 2-Fluorobiphenyl	172	7.642	7.643	0.000	1	367909	432.5	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	75279	708.5	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	568634	826.0	
\$ 11 Terphenyl-d14	244	10.716	10.716	0.000	1	440298	894.4	
12 Naphthalene	128	6.759	6.744	0.015	1	48765	56.7	
13 2-Methylnaphthalene	142	7.326	7.331	-0.005	1	5679	11.0	
14 1-Methylnaphthalene	142	7.408	7.408	0.000	1	8083	16.0	
16 Acenaphthene	153	8.208	8.213	-0.005	4	6765	9.59	M
17 Fluorene	166	8.637	8.637	0.000	1	5376	7.63	
18 Pentachlorophenol	266	9.248	9.242	0.006	1	593	103.0	
21 Fluoranthene	202	10.391	10.391	0.000	1	1081	1.33	M
22 Pyrene	202	10.572	10.572	0.000	8	1852	2.16	M
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	563	0.9164	M
24 Chrysene	228	11.621	11.621	-0.001	1	666	0.6664	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MecI2_CT_00215

Amount Added: 1.00

Units: uL

Run Reagent

8270SIM_IS_00070

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b018.D

Injection Date: 25-Mar-2022 21:35:30

Instrument ID: SEA101

Lims ID: 580-111436-B-5-A

Lab Sample ID: 580-111436-5

Client ID: ERH2814 (RHMW01R)

Operator ID: tl

ALS Bottle#: 13

Worklist Smp#: 13

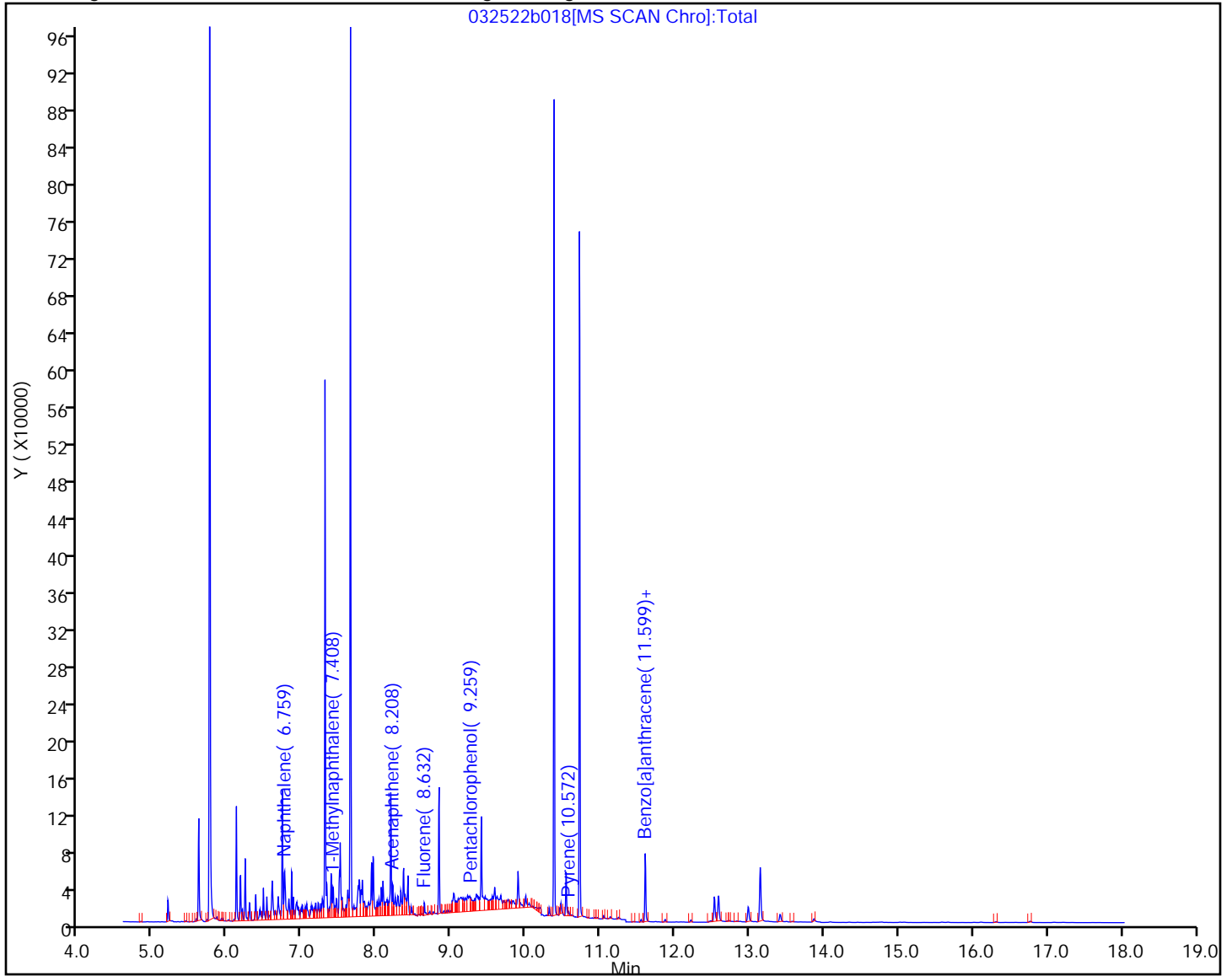
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b018.D
 Lims ID: 580-111436-B-5-A
 Client ID: ERH2814 (RHMW01R)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 21:35:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-5-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 10:30:38 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt Date: 28-Mar-2022 10:30:38

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-methylnaphthalene-d10	1000.0	635.9	63.59
\$ 8 2-Fluorobiphenyl	1000.0	432.5	43.25
\$ 9 2,4,6-Tribromophenol	1000.0	708.5	70.85
\$ 10 Fluoranthene-d10 (Surr)	1000.0	826.0	82.60
\$ 11 Terphenyl-d14	1000.0	894.4	89.44

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b018.D

Injection Date: 25-Mar-2022 21:35:30

Instrument ID: SEA101

Lims ID: 580-111436-B-5-A

Lab Sample ID: 580-111436-5

Client ID: ERH2814 (RHMW01R)

Operator ID: tl

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

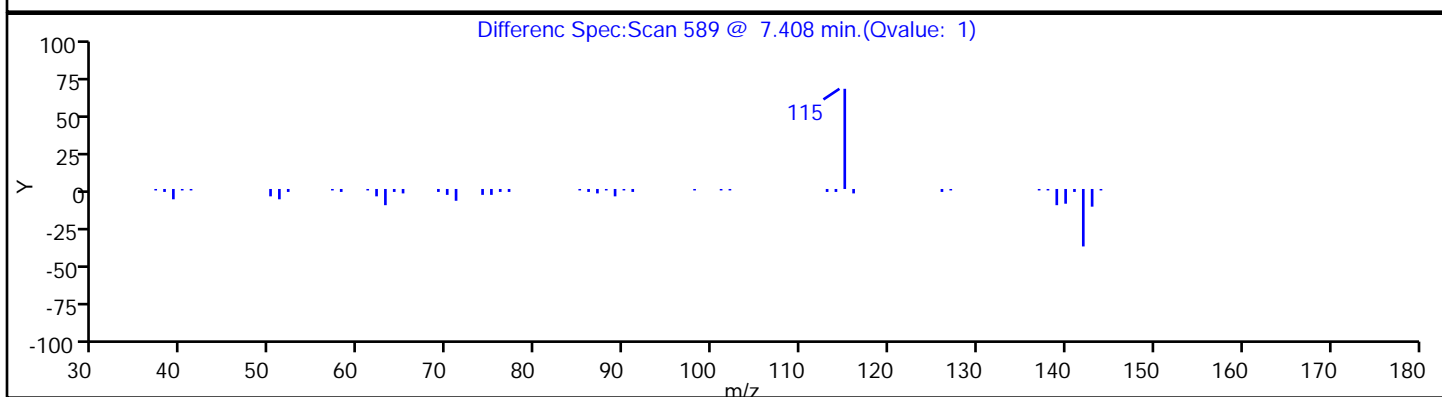
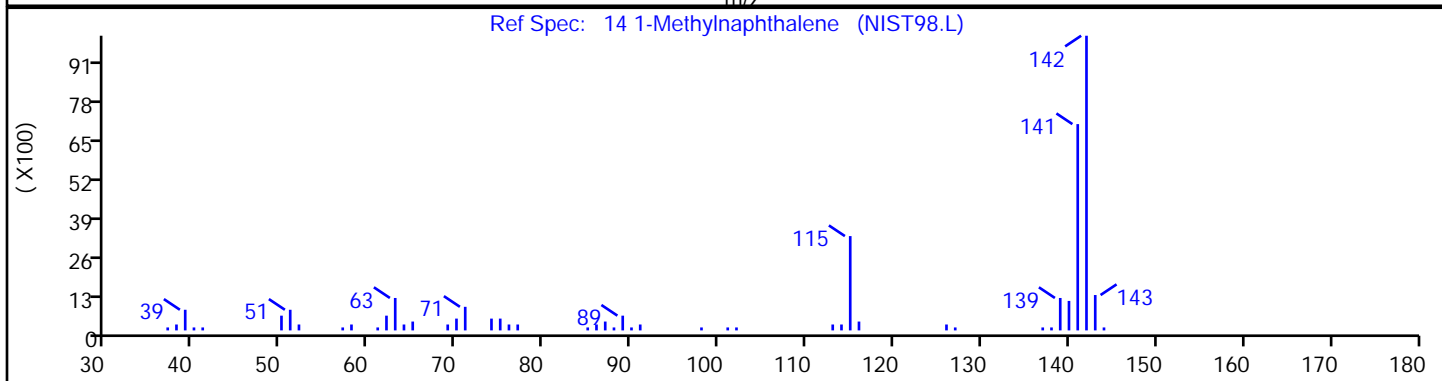
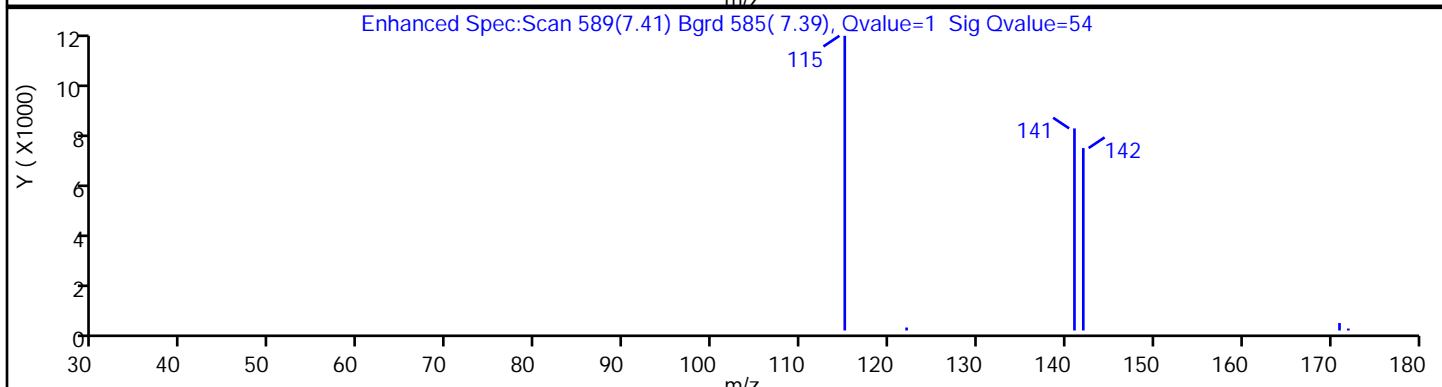
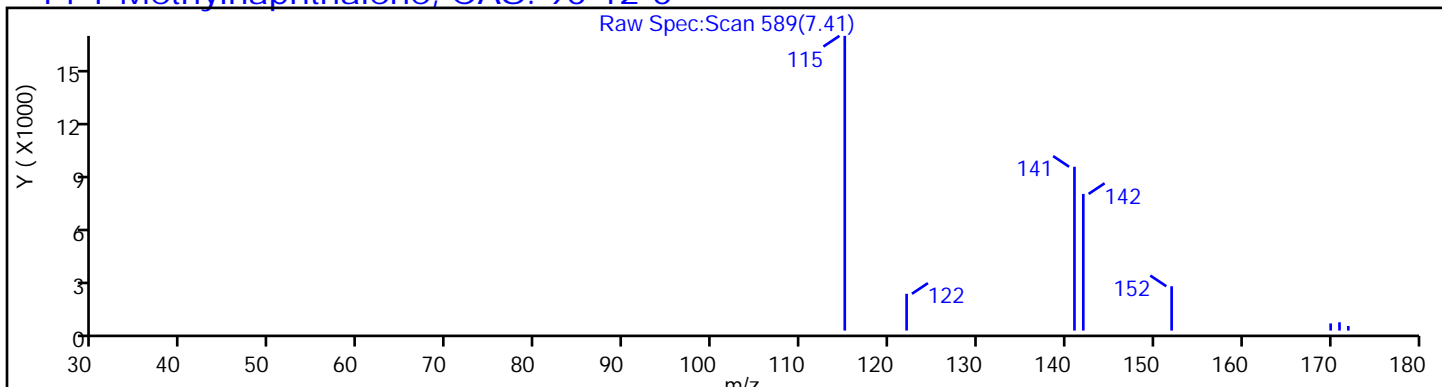
Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Column:

Detector MS SCAN

14 1-Methylnaphthalene, CAS: 90-12-0



Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b018.D

Injection Date: 25-Mar-2022 21:35:30

Instrument ID: SEA101

Lims ID: 580-111436-B-5-A

Lab Sample ID: 580-111436-5

Client ID: ERH2814 (RHMW01R)

Operator ID: tl

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

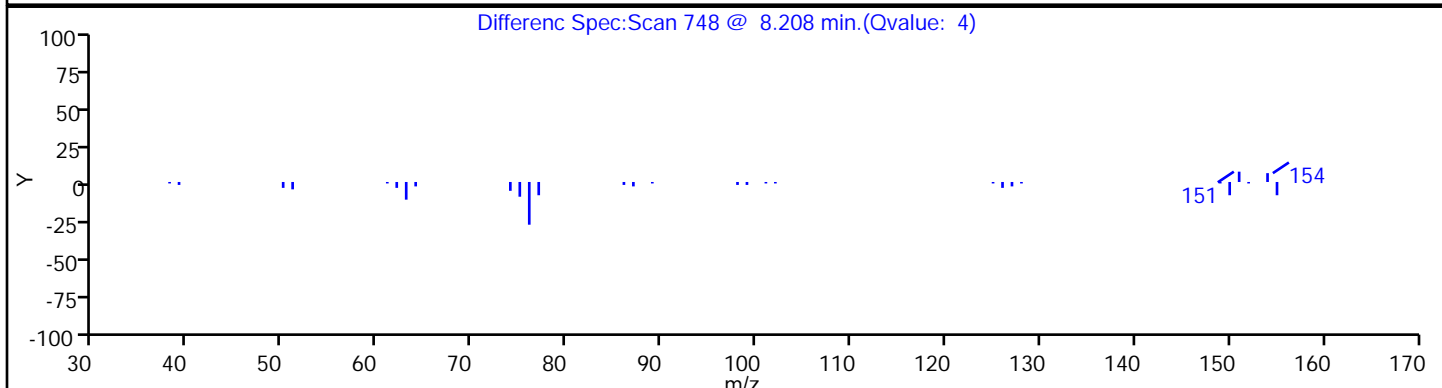
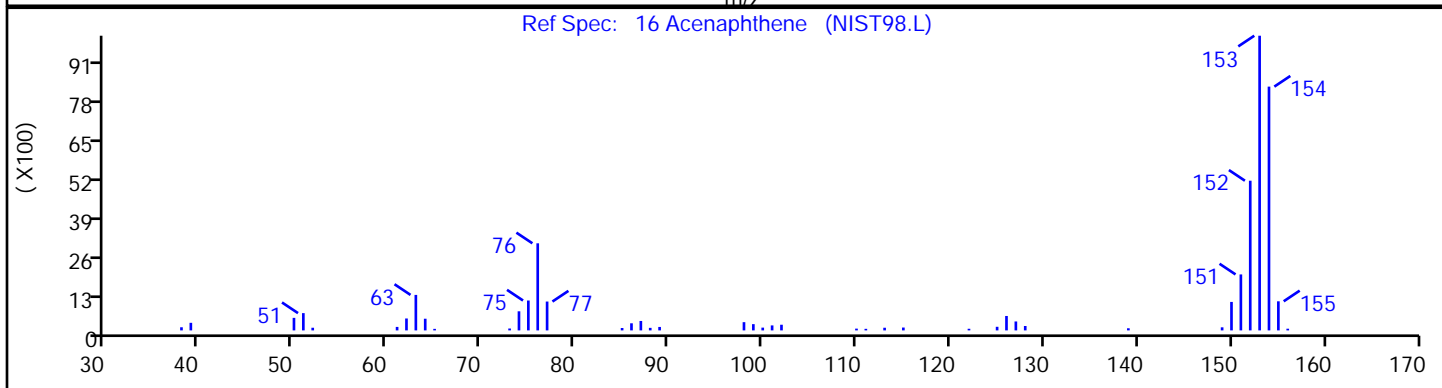
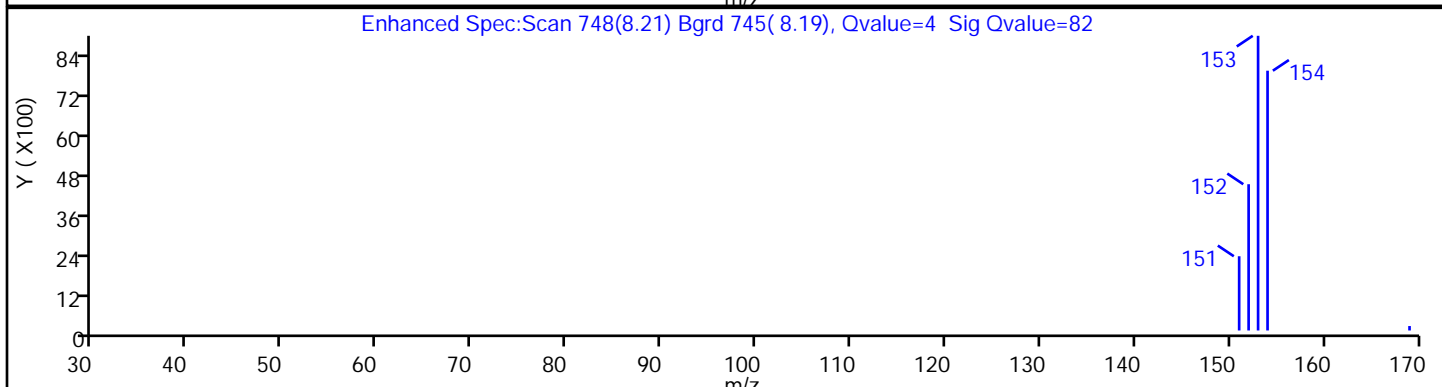
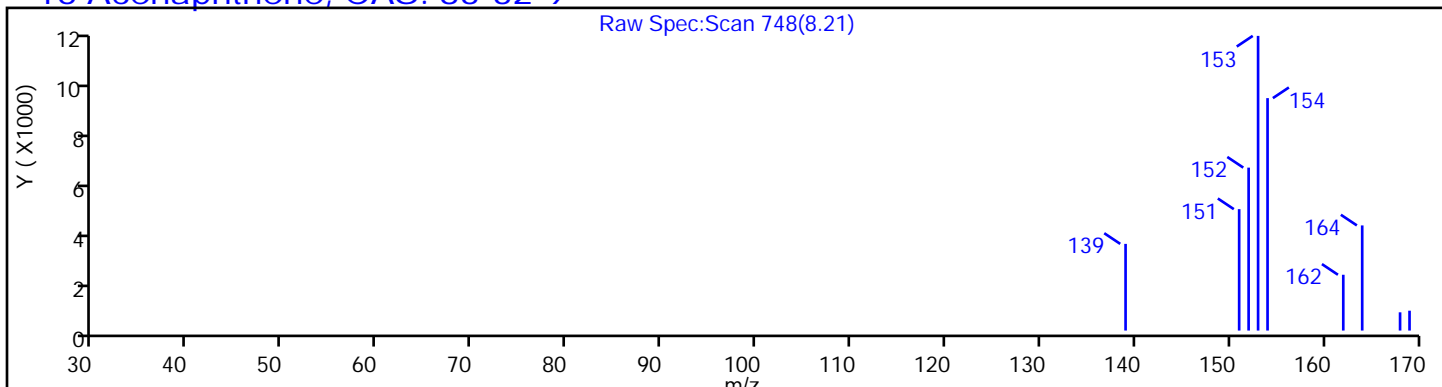
Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Column:

Detector MS SCAN

16 Acenaphthene, CAS: 83-32-9



Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b018.D

Injection Date: 25-Mar-2022 21:35:30

Instrument ID: SEA101

Lims ID: 580-111436-B-5-A

Lab Sample ID: 580-111436-5

Client ID: ERH2814 (RHMW01R)

Operator ID: tl

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

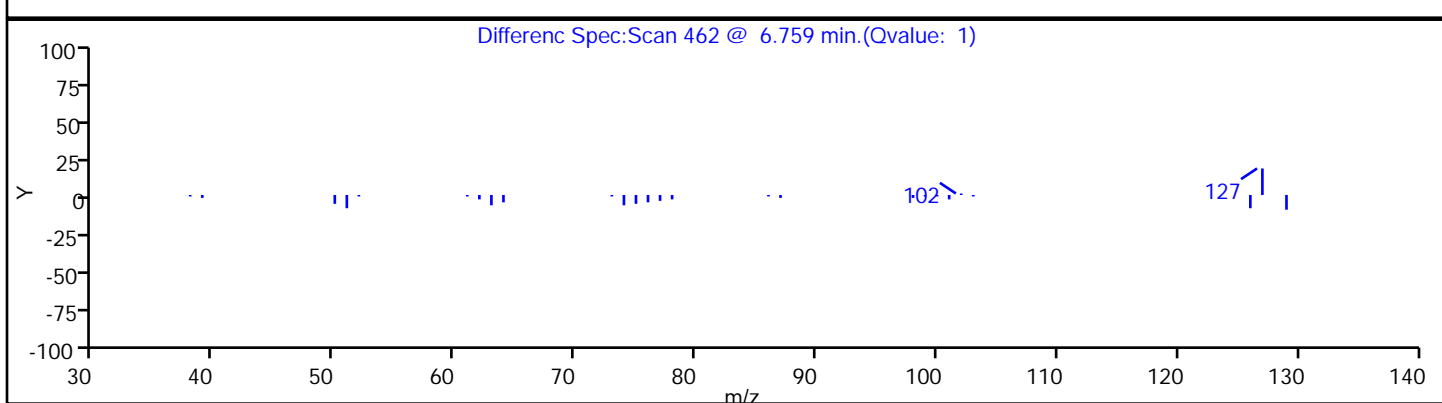
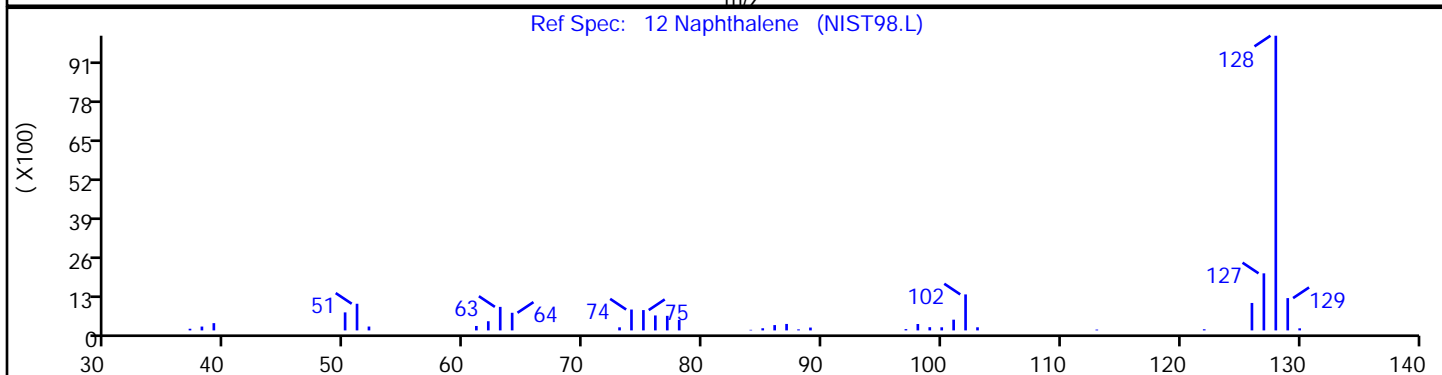
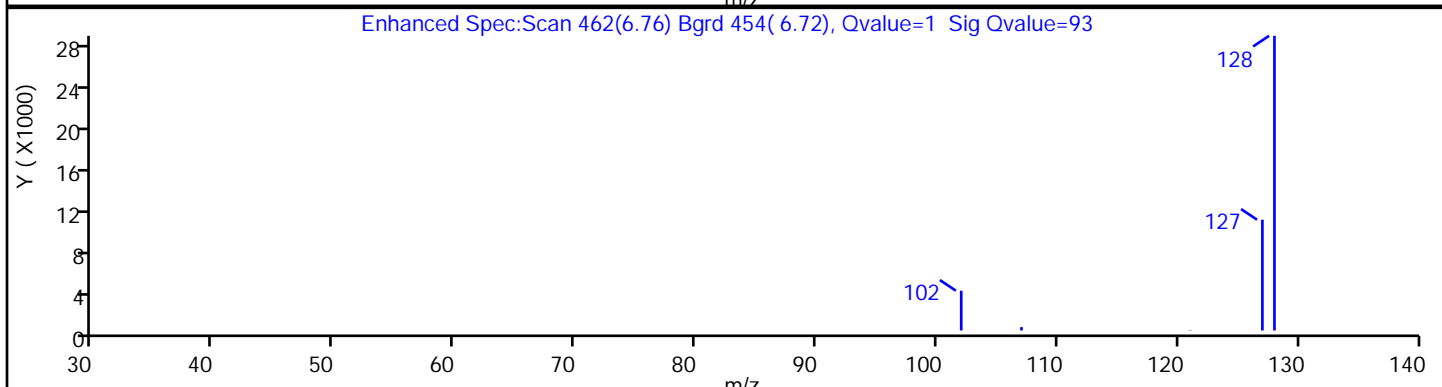
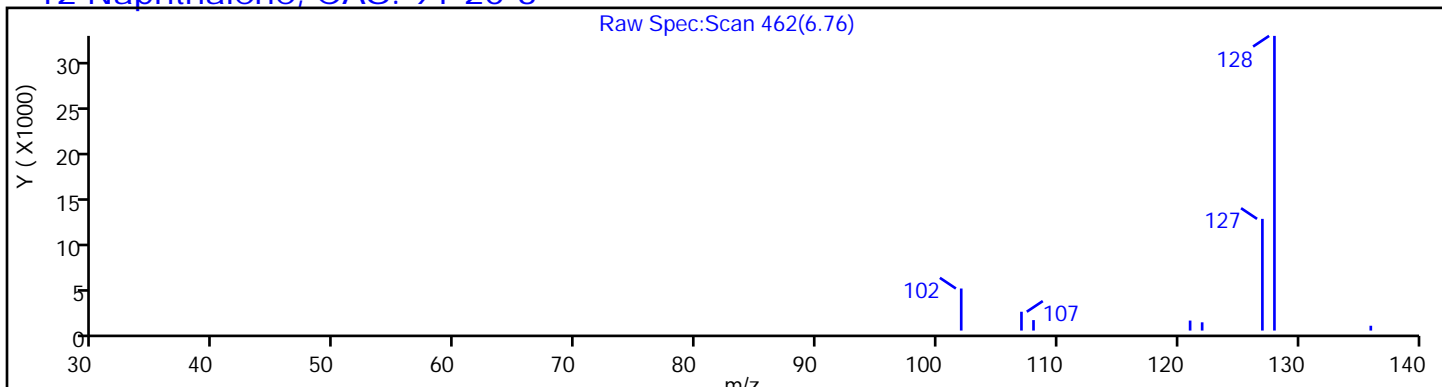
Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Column:

Detector MS SCAN

12 Naphthalene, CAS: 91-20-3



Eurofins Seattle

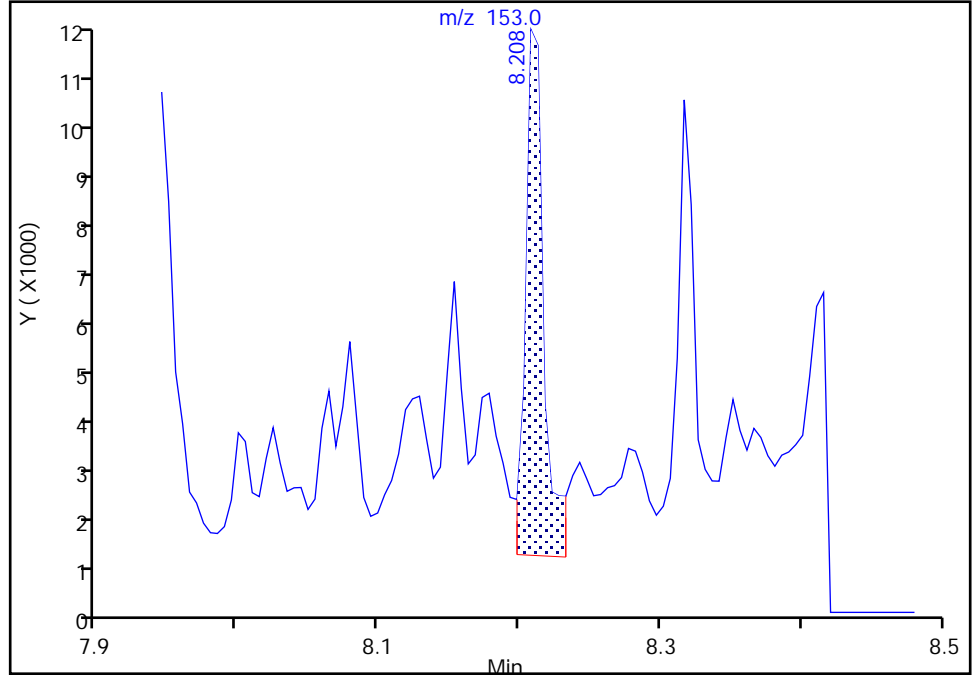
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b018.D
Injection Date: 25-Mar-2022 21:35:30 Instrument ID: SEA101
Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
Client ID: ERH2814 (RHMW01R)
Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Acenaphthene, CAS: 83-32-9

Signal: 1

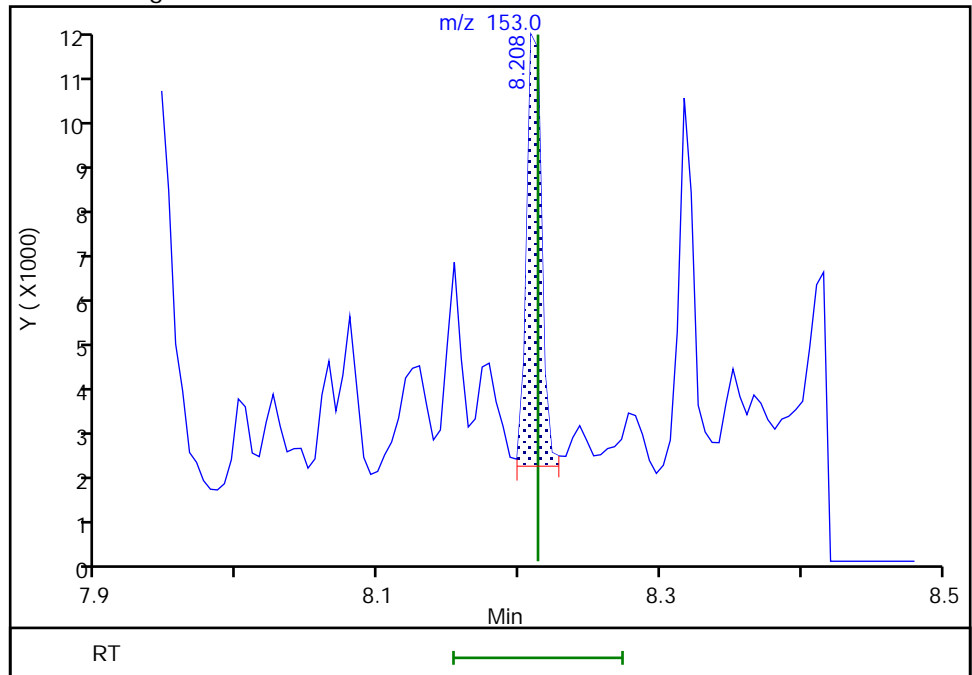
RT: 8.21
Area: 8764
Amount: 12.428444
Amount Units: ug/L

Processing Integration Results



RT: 8.21
Area: 6765
Amount: 9.593613
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:29:14
Audit Action: Manually Integrated

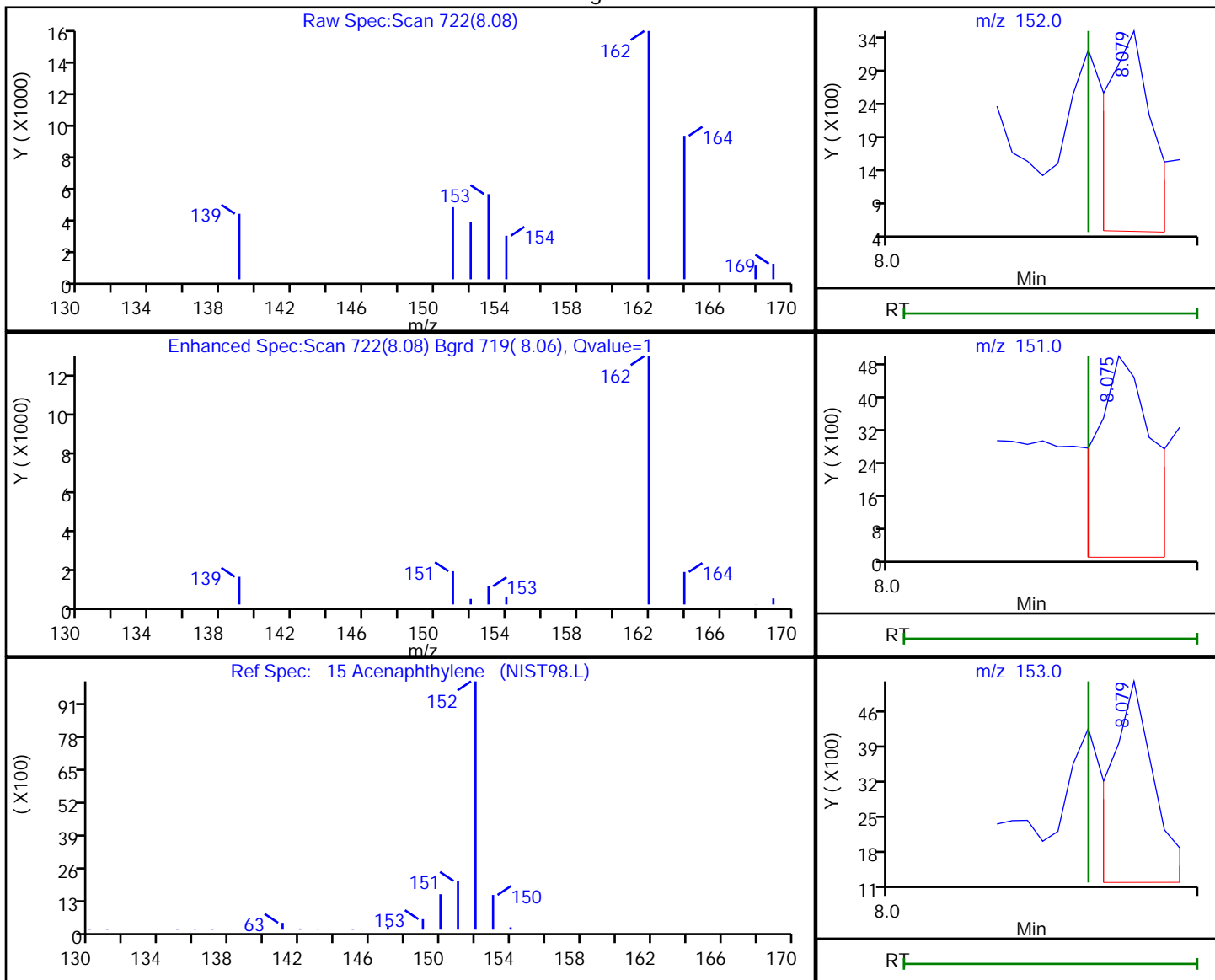
Audit Reason: Baseline

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b018.D
 Injection Date: 25-Mar-2022 21:35:30 Instrument ID: SEA101
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
 Column: Detector MS SCAN

15 Acenaphthylene, CAS: 208-96-8

Processing Results



RT	Mass	Response	Amount
8.08	152.00	2683	2.763836
8.07	151.00	5428	
8.08	153.00	3506	

Reviewer: limwirojt, 28-Mar-2022 10:29:04

Audit Action: Marked Compound Undetected

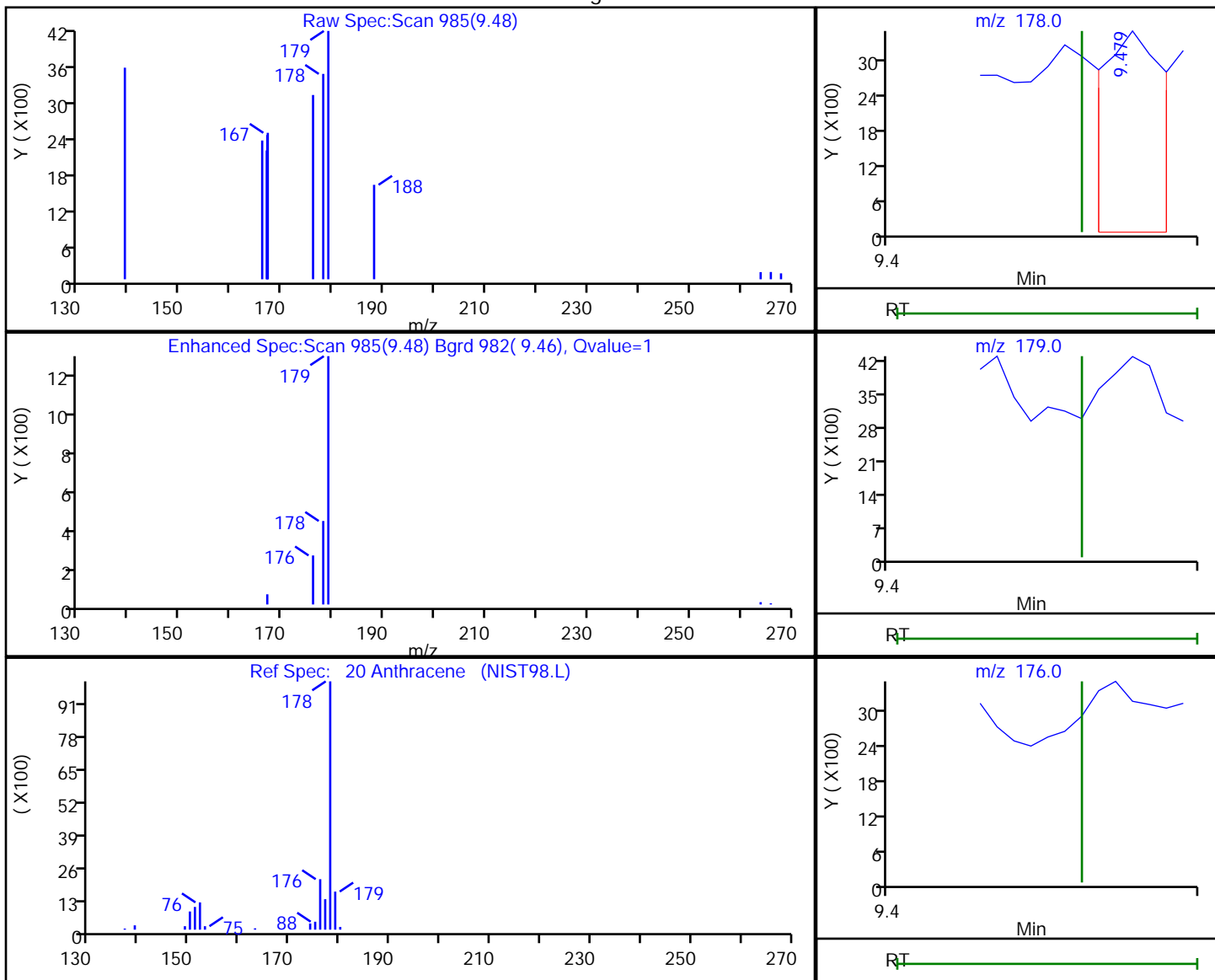
Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b018.D
 Injection Date: 25-Mar-2022 21:35:30 Instrument ID: SEA101
 Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
 Client ID: ERH2814 (RHMW01R)
 Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
 Column: Detector MS SCAN

20 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
9.48	178.00	4084	5.611420
9.48	179.00	13817	
9.47	176.00	14857	

Reviewer: limwirojt, 28-Mar-2022 10:29:47

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Seattle

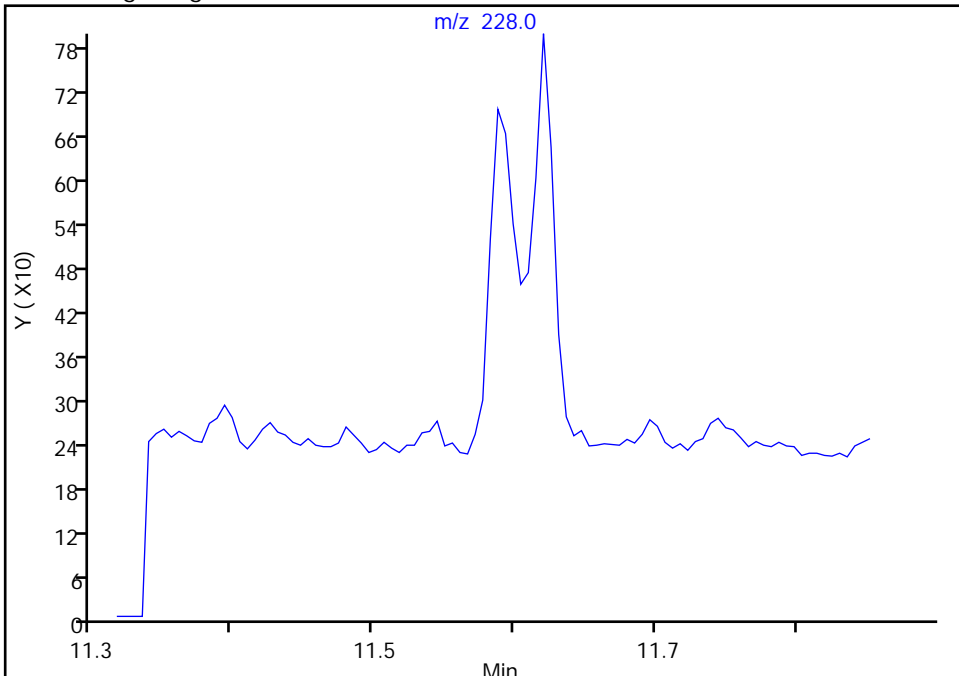
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b018.D
Injection Date: 25-Mar-2022 21:35:30 Instrument ID: SEA101
Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
Client ID: ERH2814 (RHMW01R)
Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

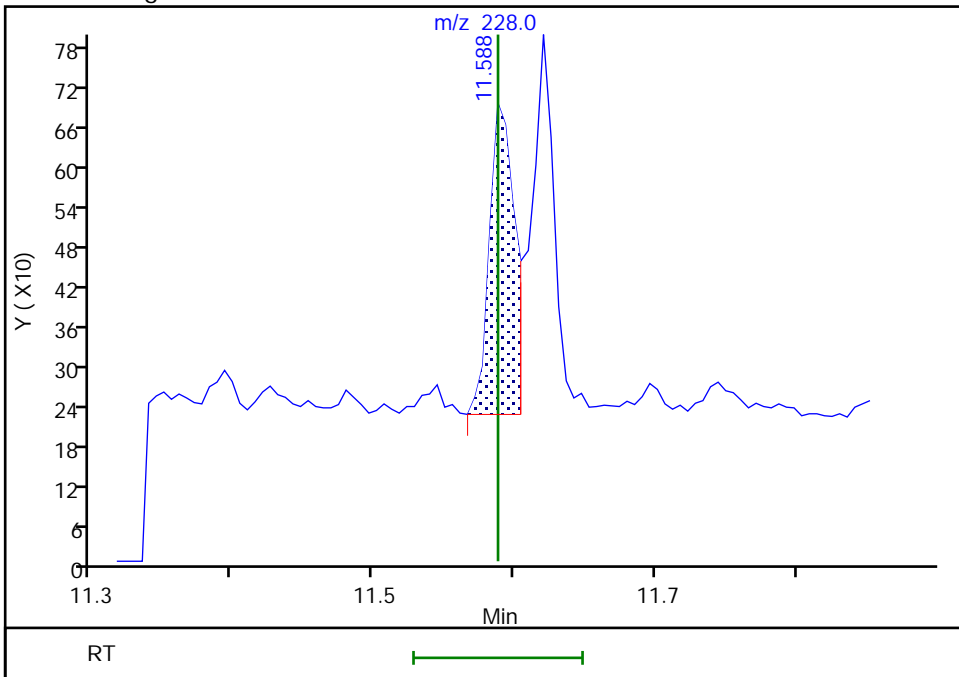
Not Detected
Expected RT: 11.59

Processing Integration Results



Manual Integration Results

RT: 11.59
Area: 563
Amount: 0.916423
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:30:16
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

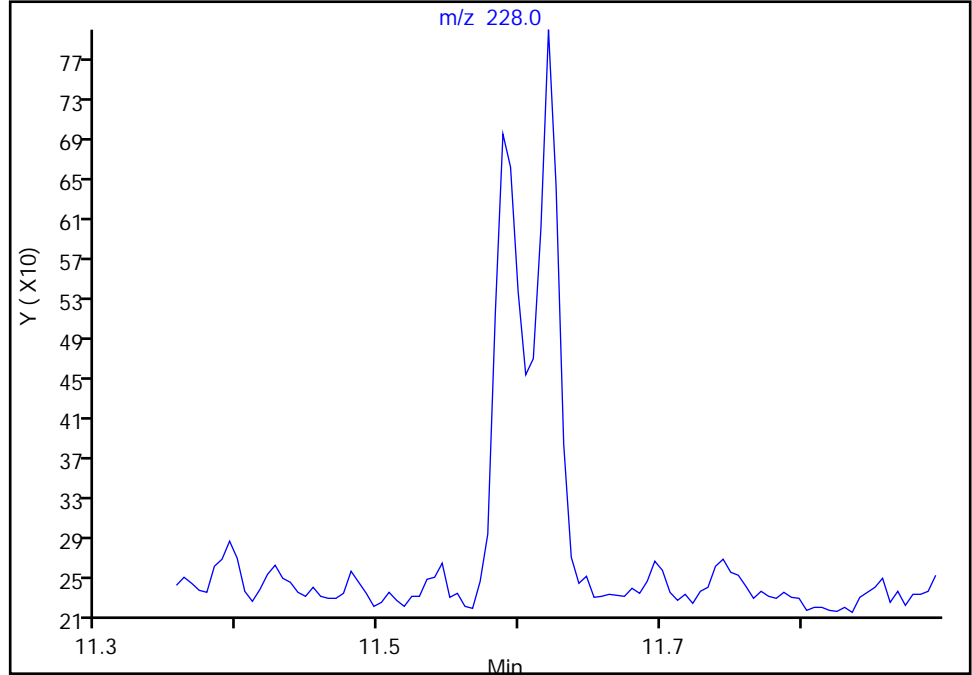
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b018.D
Injection Date: 25-Mar-2022 21:35:30 Instrument ID: SEA101
Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
Client ID: ERH2814 (RHMW01R)
Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Chrysene, CAS: 218-01-9

Signal: 1

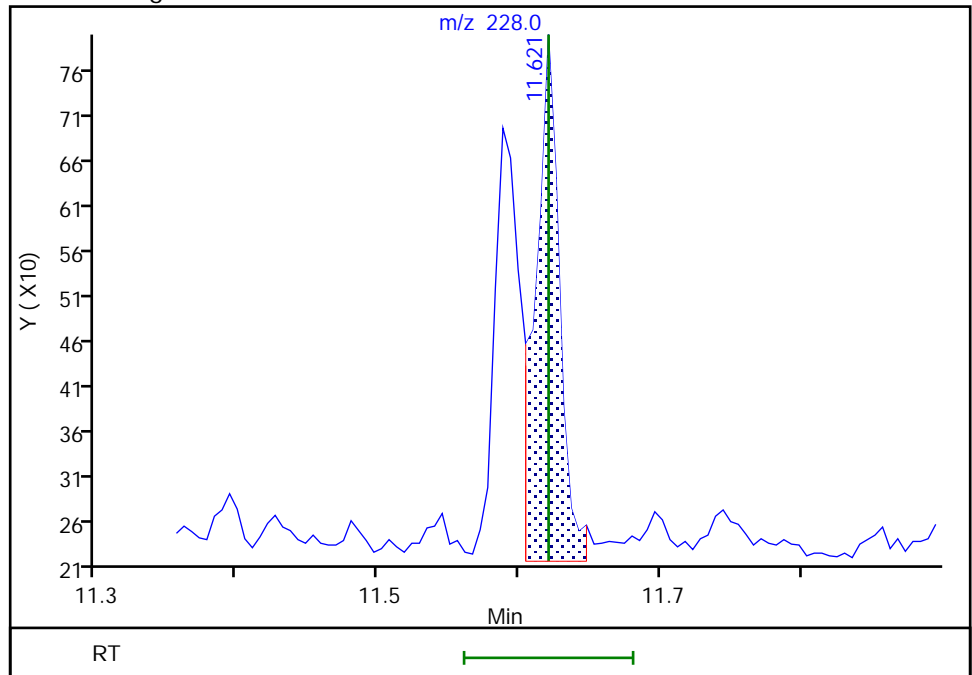
Not Detected
Expected RT: 11.62

Processing Integration Results



Manual Integration Results

RT: 11.62
Area: 666
Amount: 0.666431
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:30:22
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

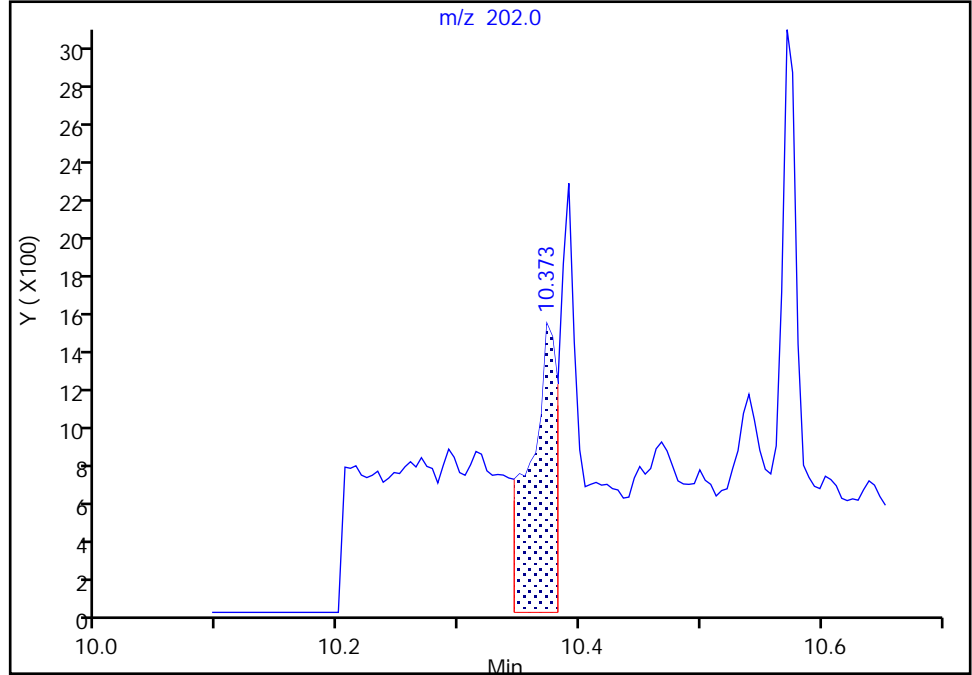
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b018.D
Injection Date: 25-Mar-2022 21:35:30 Instrument ID: SEA101
Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
Client ID: ERH2814 (RHMW01R)
Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Fluoranthene, CAS: 206-44-0

Signal: 1

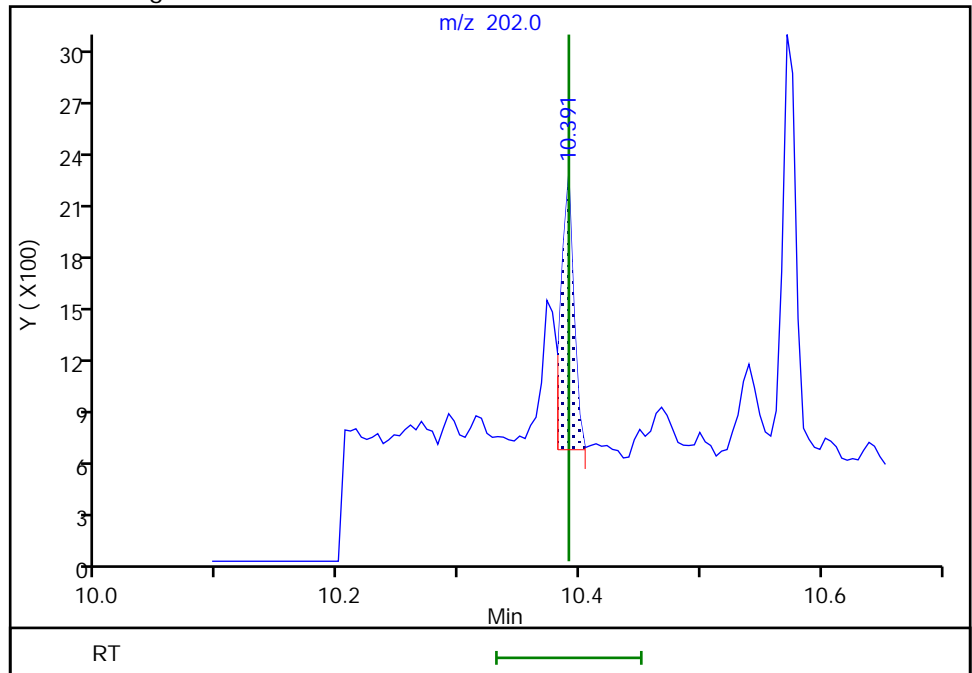
RT: 10.37
Area: 2140
Amount: 2.624742
Amount Units: ug/L

Processing Integration Results



RT: 10.39
Area: 1081
Amount: 1.325863
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:29:56
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

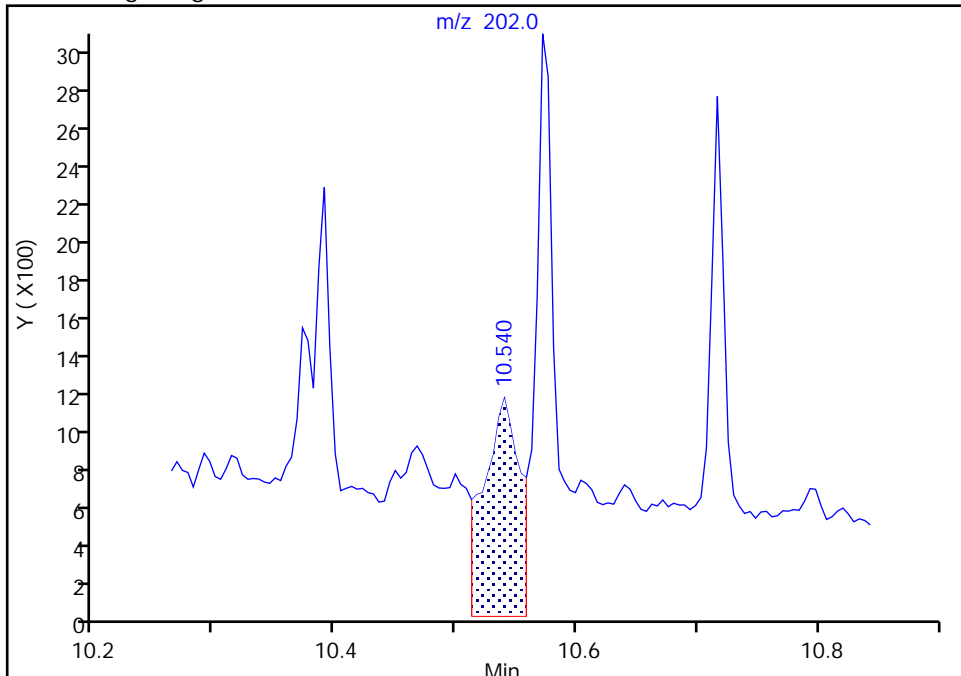
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Injection Date: 25-Mar-2022 21:35:30 Instrument ID: SEA101
Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
Client ID: ERH2814 (RHMW01R)
Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Pyrene, CAS: 129-00-0

Signal: 1

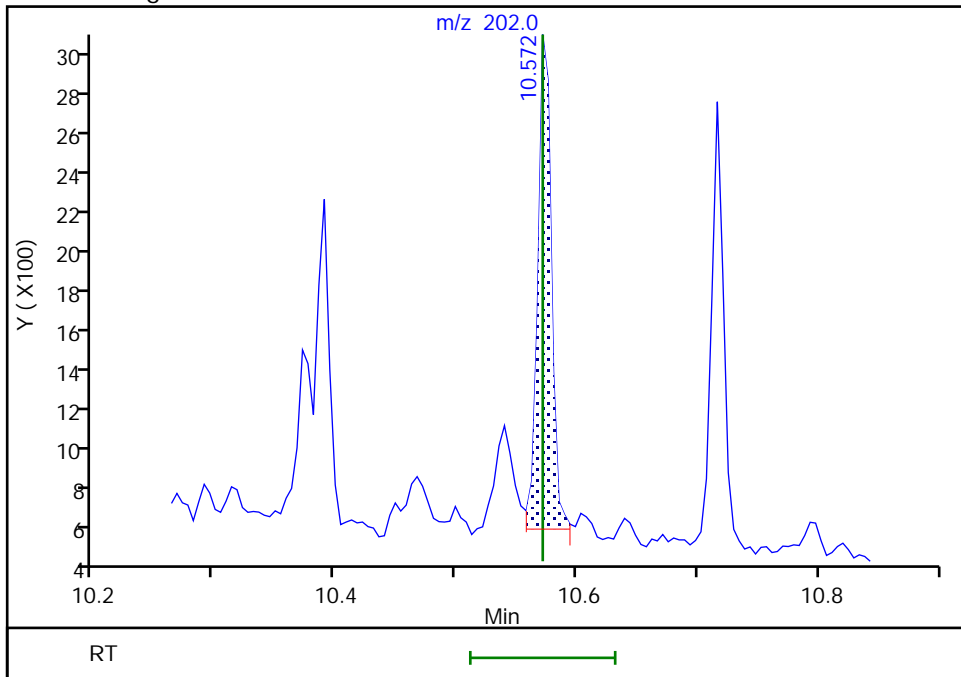
RT: 10.54
Area: 2233
Amount: 2.604193
Amount Units: ug/L

Processing Integration Results



RT: 10.57
Area: 1852
Amount: 2.159859
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:30:04
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

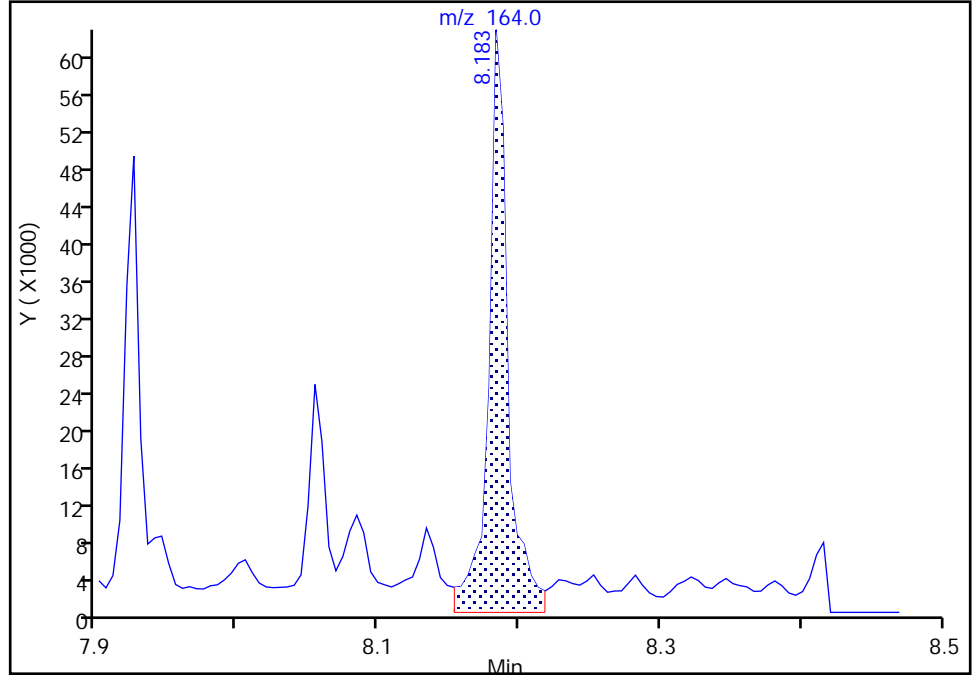
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b018.D
Injection Date: 25-Mar-2022 21:35:30 Instrument ID: SEA101
Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
Client ID: ERH2814 (RHMW01R)
Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

* 3 Acenaphthene-d10, CAS: 15067-26-2

Signal: 1

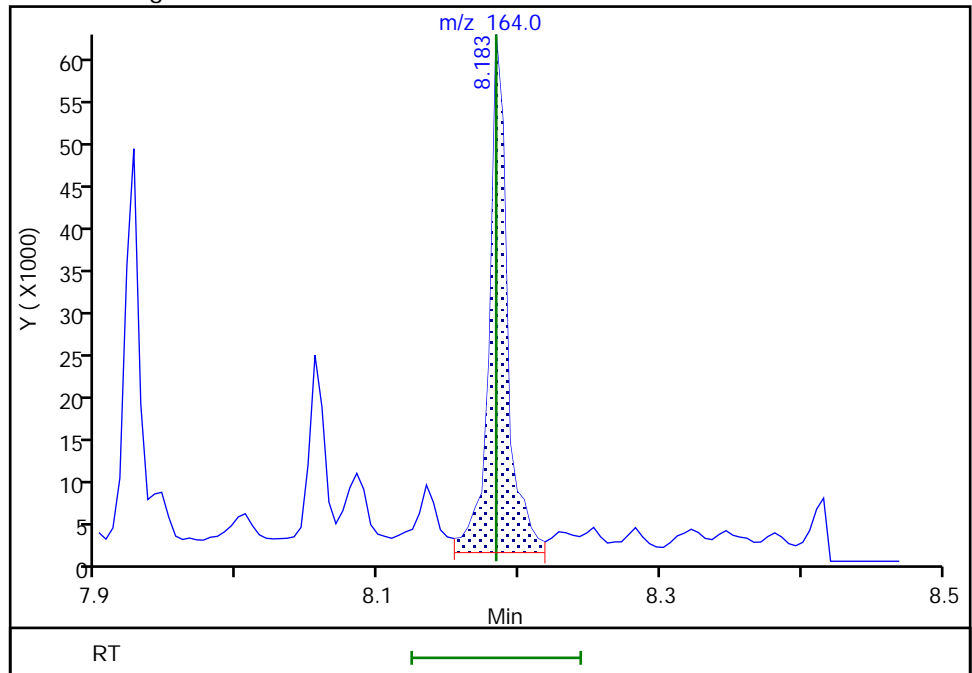
RT: 8.18
Area: 59301
Amount: 100.0000
Amount Units: ug/L

Processing Integration Results



RT: 8.18
Area: 55334
Amount: 100.0000
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:07:02
Audit Action: Manually Integrated

Audit Reason: Baseline

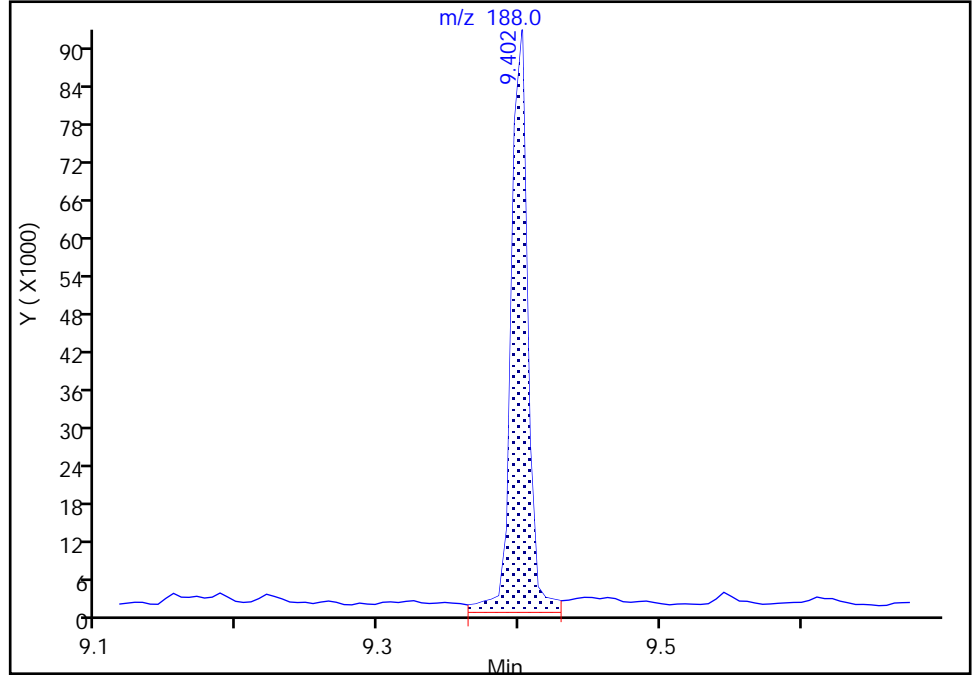
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b018.D
Injection Date: 25-Mar-2022 21:35:30 Instrument ID: SEA101
Lims ID: 580-111436-B-5-A Lab Sample ID: 580-111436-5
Client ID: ERH2814 (RHMW01R)
Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

* 4 Phenanthrene-d10, CAS: 1517-22-2
Signal: 1

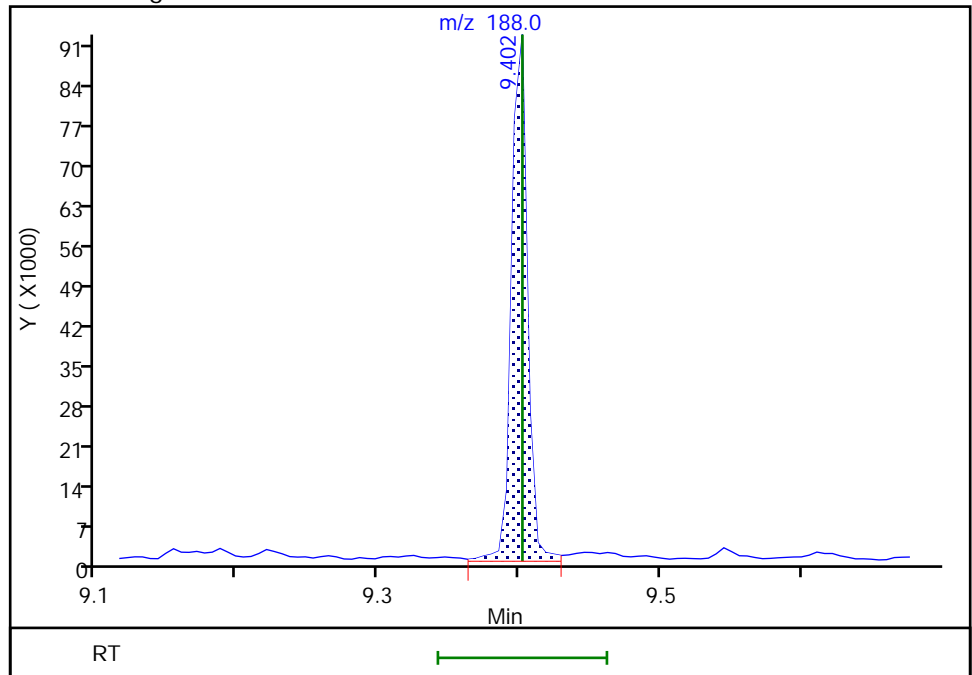
RT: 9.40
Area: 75135
Amount: 100.0000
Amount Units: ug/L

Processing Integration Results



RT: 9.40
Area: 71827
Amount: 100.0000
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:28:43
Audit Action: Manually Integrated

Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2815 (RHMW01R) Lab Sample ID: 580-111436-6
 Matrix: Water Lab File ID: 032522b019.D
 Analysis Method: 8270E SIM Date Collected: 03/15/2022 10:20
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 1045.8 (mL) Date Analyzed: 03/25/2022 22:00
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 385175 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.037	J	0.096	0.031	0.018
91-57-6	2-Methylnaphthalene	0.076	U	0.19	0.076	0.037
83-32-9	Acenaphthene	0.023	J M	0.096	0.031	0.013
208-96-8	Acenaphthylene	0.031	U M	0.048	0.031	0.0086
120-12-7	Anthracene	0.076	U M	0.096	0.076	0.021
56-55-3	Benzo[a]anthracene	0.031	U M	0.048	0.031	0.013
50-32-8	Benzo[a]pyrene	0.031	U M	0.096	0.031	0.011
205-99-2	Benzo[b]fluoranthene	0.031	U M	0.048	0.031	0.011
191-24-2	Benzo[g,h,i]perylene	0.031	U M	0.048	0.031	0.011
207-08-9	Benzo[k]fluoranthene	0.031	U M	0.048	0.031	0.011
218-01-9	Chrysene	0.031	U M	0.096	0.031	0.015
53-70-3	Dibenz(a,h)anthracene	0.031	U M	0.096	0.031	0.025
206-44-0	Fluoranthene	0.031	U M	0.19	0.031	0.017
86-73-7	Fluorene	0.019	J	0.096	0.031	0.016
193-39-5	Indeno[1,2,3-cd]pyrene	0.031	U M	0.048	0.031	0.013
91-20-3	Naphthalene	0.14		0.096	0.076	0.030
85-01-8	Phenanthrene	0.076	U M	0.096	0.076	0.030
129-00-0	Pyrene	0.076	U M	0.096	0.076	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	72		40-140
93951-69-0	Fluoranthene-d10 (Surr)	87		40-140
1718-51-0	Terphenyl-d14	95		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D
 Lims ID: 580-111436-B-6-A
 Client ID: ERH2815 (RHMW01R)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 22:00:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-6-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 10:45:52 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 10:45:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	61429	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	81155	100.0	
* 3 Acenaphthene-d10	164	8.183	8.183	0.000	1	52336	100.0	M
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	70147	100.0	M
* 5 Chrysene-d12	240	11.599	11.599	0.000	1	54505	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	65357	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.300	0.000	97	322106	724.4	
\$ 8 2-Fluorobiphenyl	172	7.642	7.643	0.000	1	405324	503.7	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	81698	805.9	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	585201	870.4	
\$ 11 Terphenyl-d14	244	10.716	10.716	0.000	1	457933	952.5	
12 Naphthalene	128	6.759	6.744	0.015	1	62081	73.6	
13 2-Methylnaphthalene	142	7.326	7.331	-0.005	1	6050	12.0	
14 1-Methylnaphthalene	142	7.408	7.408	0.000	1	9615	19.4	
16 Acenaphthene	153	8.208	8.213	-0.005	4	7956	11.9	M
17 Fluorene	166	8.637	8.637	0.000	0	6727	10.1	
18 Pentachlorophenol	266	9.248	9.242	0.006	1	580	103.2	
19 Phenanthrene	178	9.418	9.419	0.000	1	3893	4.74	M
21 Fluoranthene	202	10.391	10.391	0.000	1	2864	3.60	M
22 Pyrene	202	10.572	10.572	0.000	8	3423	4.09	M
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	1158	1.90	M
24 Chrysene	228	11.621	11.621	0.000	1	1508	1.74	M
25 Benzo[b]fluoranthene	252	12.699	12.700	-0.001	1	1517	1.95	M
26 Benzo[k]fluoranthene	252	12.732	12.732	0.000	1	703	0.9373	M
27 Benzo[a]pyrene	252	13.073	13.073	0.000	1	946	1.34	M
28 Indeno[1,2,3-cd]pyrene	276	14.451	14.451	0.000	1	854	1.33	M
29 Dibenz(a,h)anthracene	278	14.489	14.494	-0.005	1	237	2.51	M
30 Benzo[g,h,i]perylene	276	14.775	14.780	-0.005	0	928	1.04	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

MecI2_CT_00215

Amount Added: 1.00

Units: uL

Run Reagent

8270SIM_IS_00070

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D

Injection Date: 25-Mar-2022 22:00:30

Instrument ID: SEA101

Lims ID: 580-111436-B-6-A

Lab Sample ID: 580-111436-6

Client ID: ERH2815 (RHMW01R)

Operator ID: tl

ALS Bottle#: 14

Worklist Smp#: 14

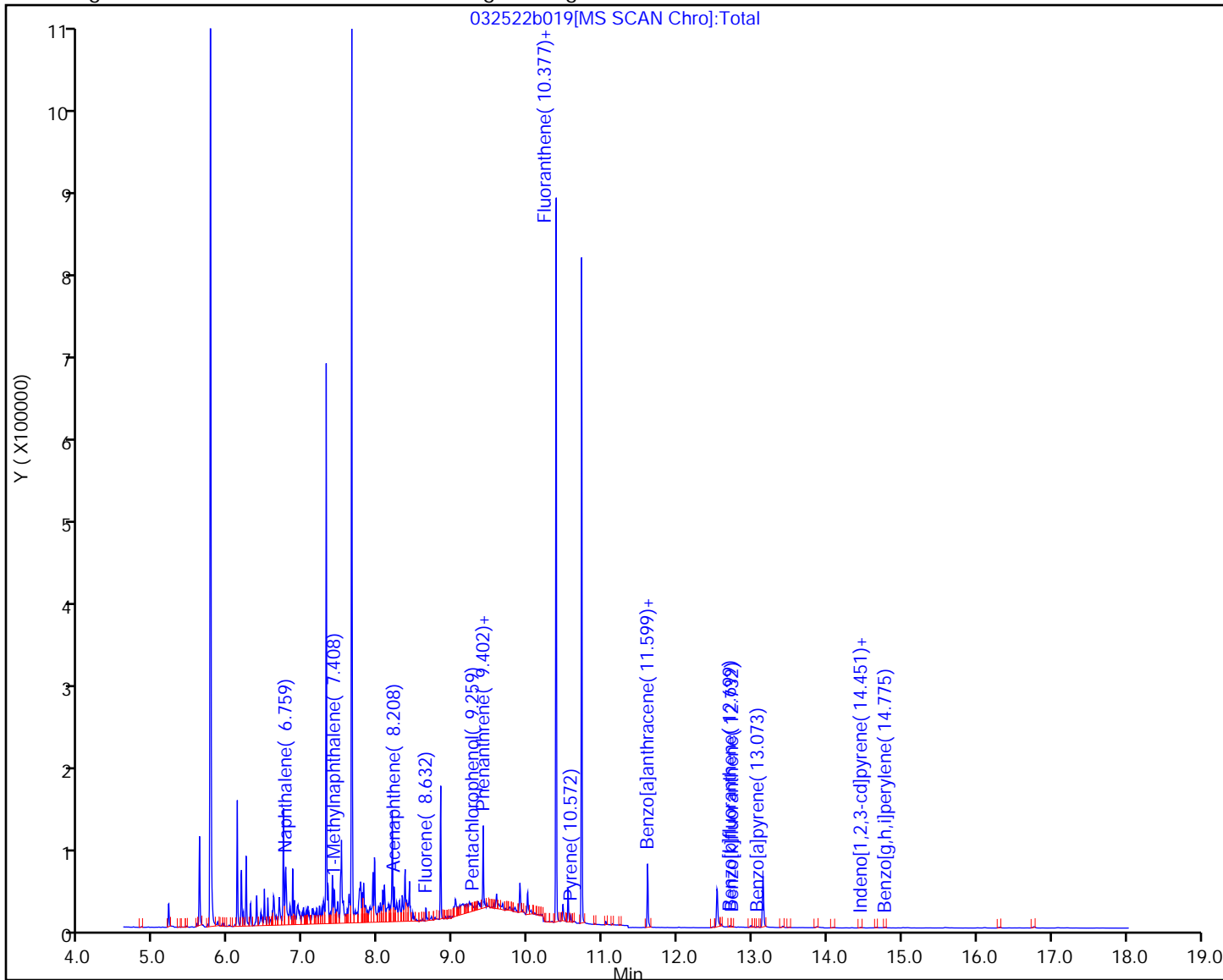
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D
 Lims ID: 580-111436-B-6-A
 Client ID: ERH2815 (RHMW01R)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 22:00:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-6-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 10:45:52 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 10:45:52

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-methylnaphthalene-d10	1000.0	724.4	72.44
\$ 8 2-Fluorobiphenyl	1000.0	503.7	50.37
\$ 9 2,4,6-Tribromophenol	1000.0	805.9	80.59
\$ 10 Fluoranthene-d10 (Surr)	1000.0	870.4	87.04
\$ 11 Terphenyl-d14	1000.0	952.5	95.25

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D

Injection Date: 25-Mar-2022 22:00:30

Instrument ID: SEA101

Lims ID: 580-111436-B-6-A

Lab Sample ID: 580-111436-6

Client ID: ERH2815 (RHMW01R)

Operator ID: tl

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

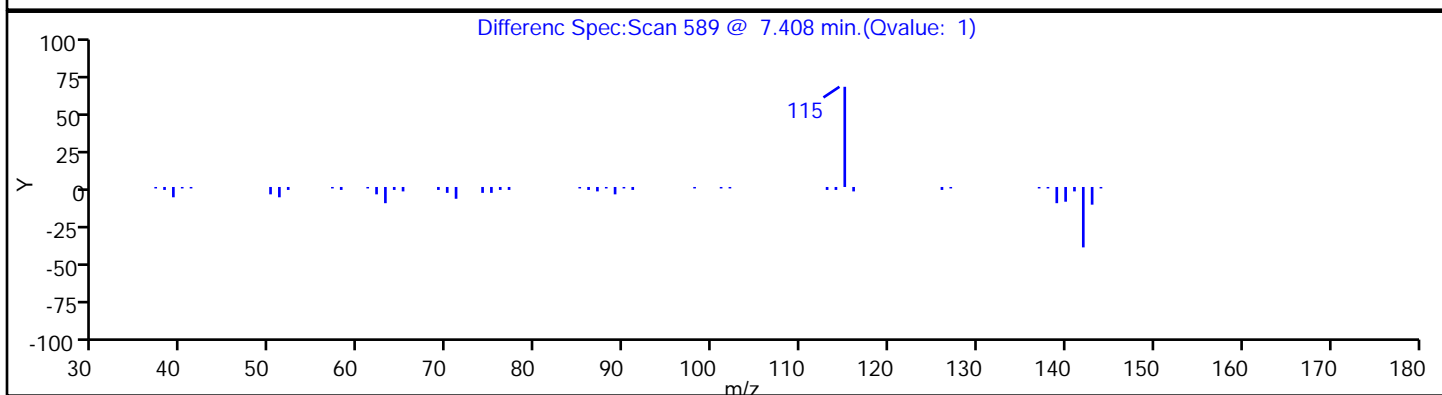
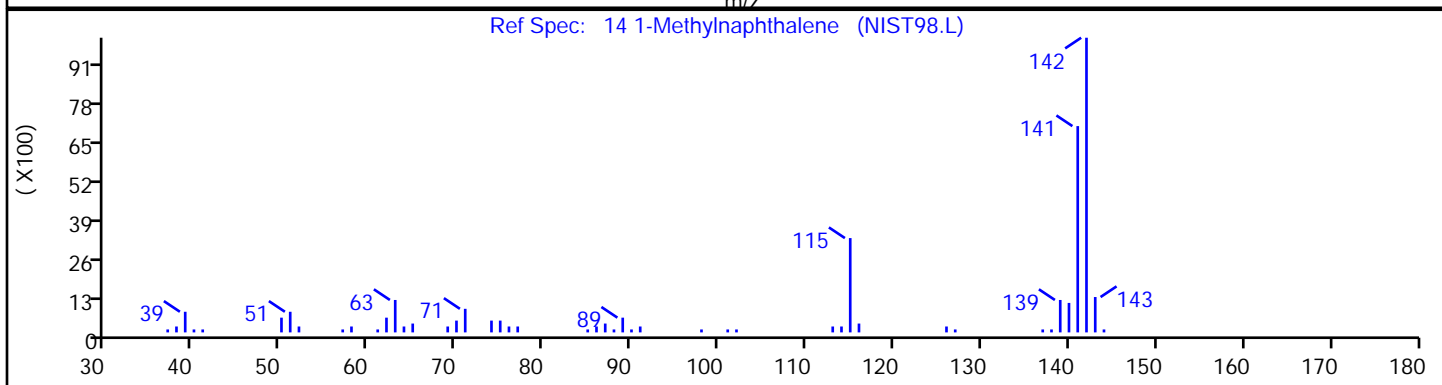
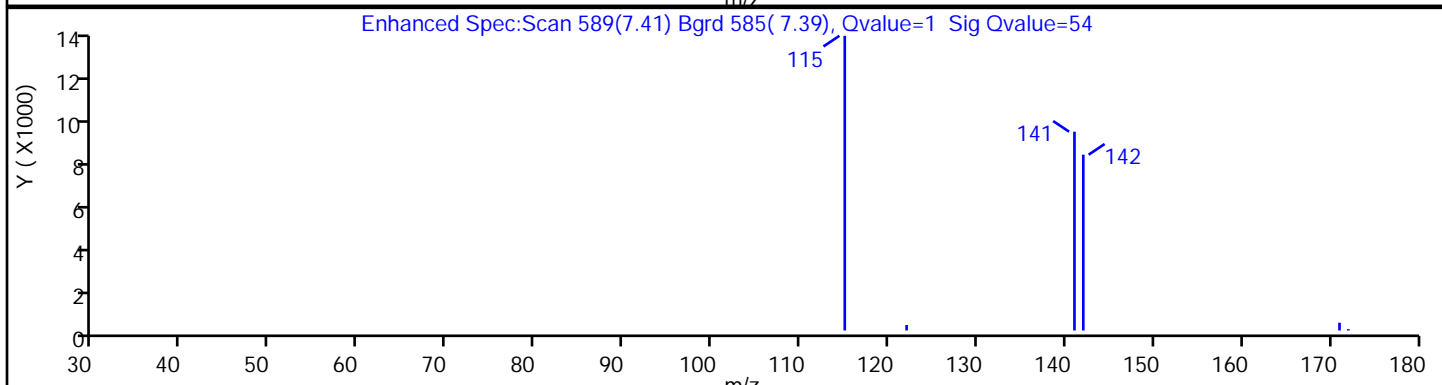
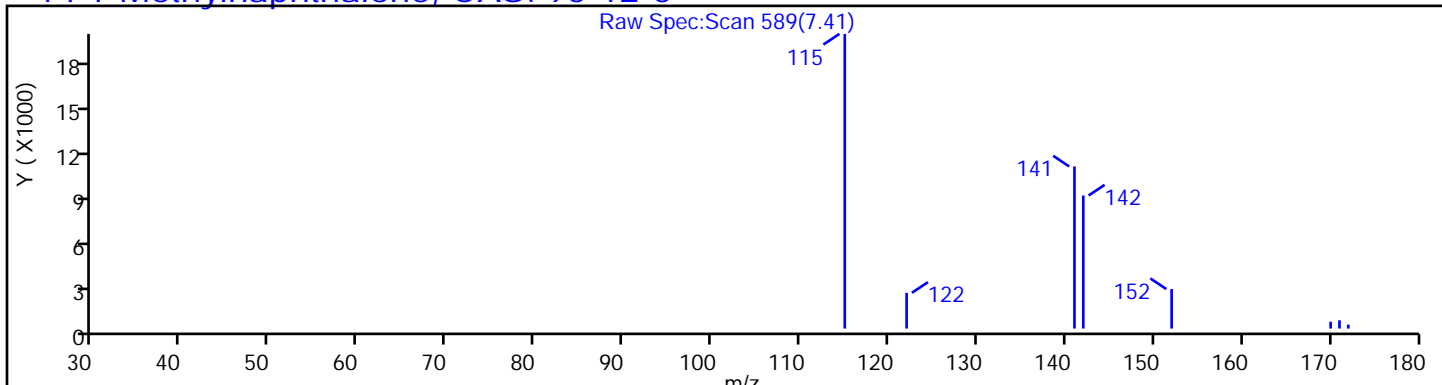
Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Column:

Detector: MS SCAN

14 1-Methylnaphthalene, CAS: 90-12-0



Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D

Injection Date: 25-Mar-2022 22:00:30

Instrument ID: SEA101

Lims ID: 580-111436-B-6-A

Lab Sample ID: 580-111436-6

Client ID: ERH2815 (RHMW01R)

Operator ID: tl

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

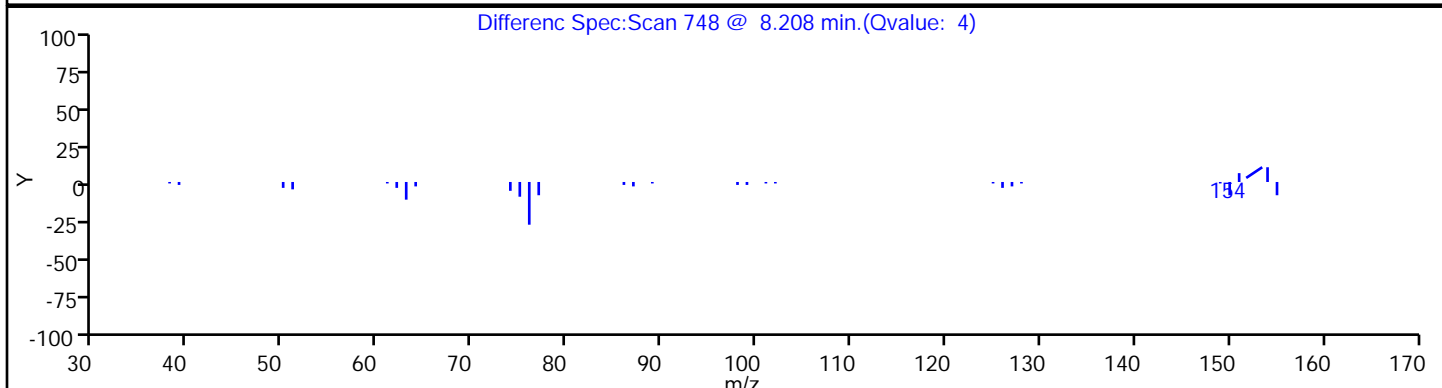
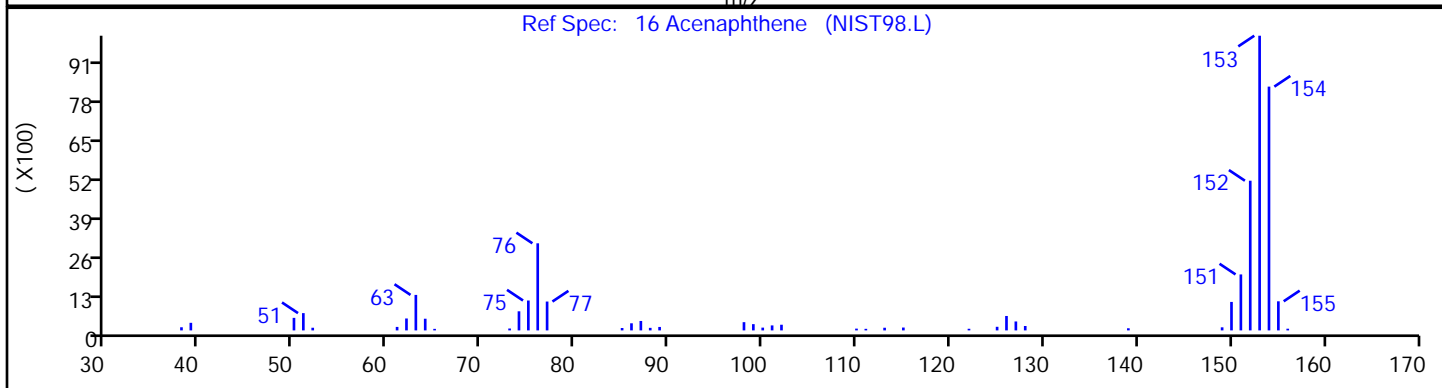
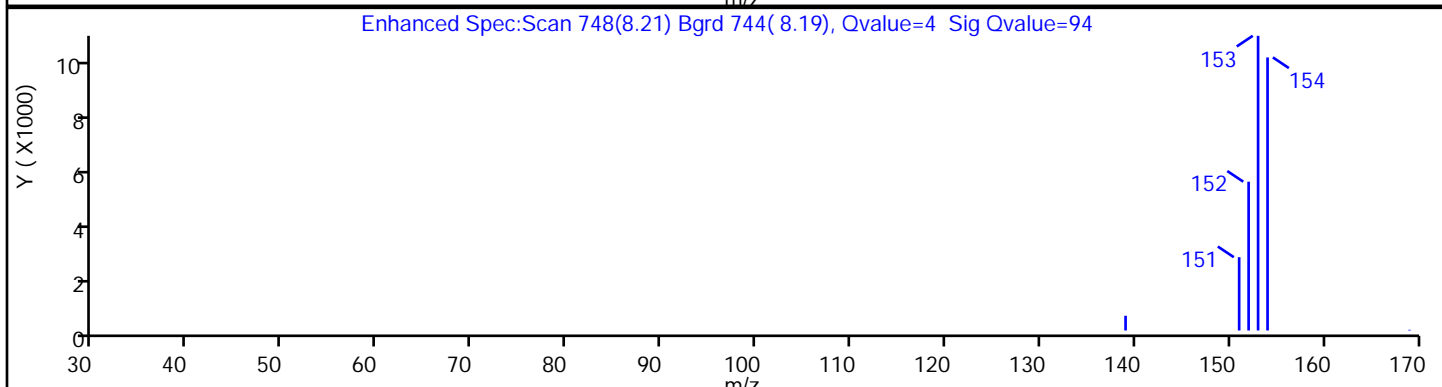
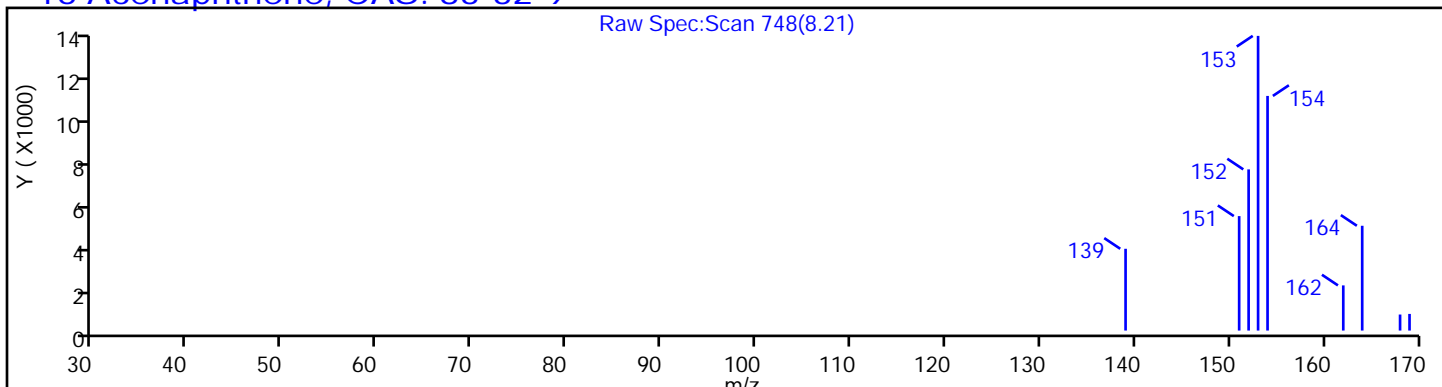
Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Column:

Detector MS SCAN

16 Acenaphthene, CAS: 83-32-9



Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D

Injection Date: 25-Mar-2022 22:00:30

Instrument ID: SEA101

Lims ID: 580-111436-B-6-A

Lab Sample ID: 580-111436-6

Client ID: ERH2815 (RHMW01R)

Operator ID: tl

ALS Bottle#: 14 Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

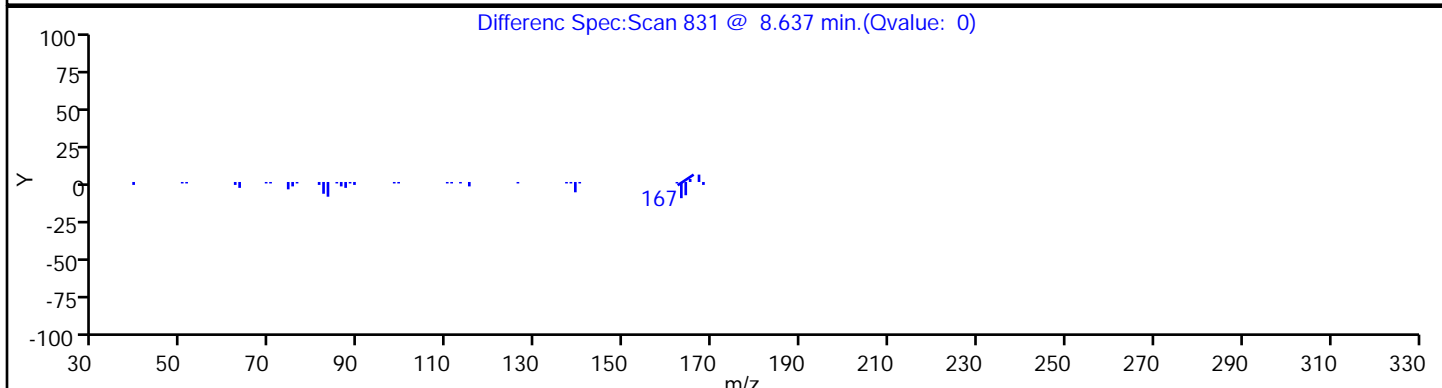
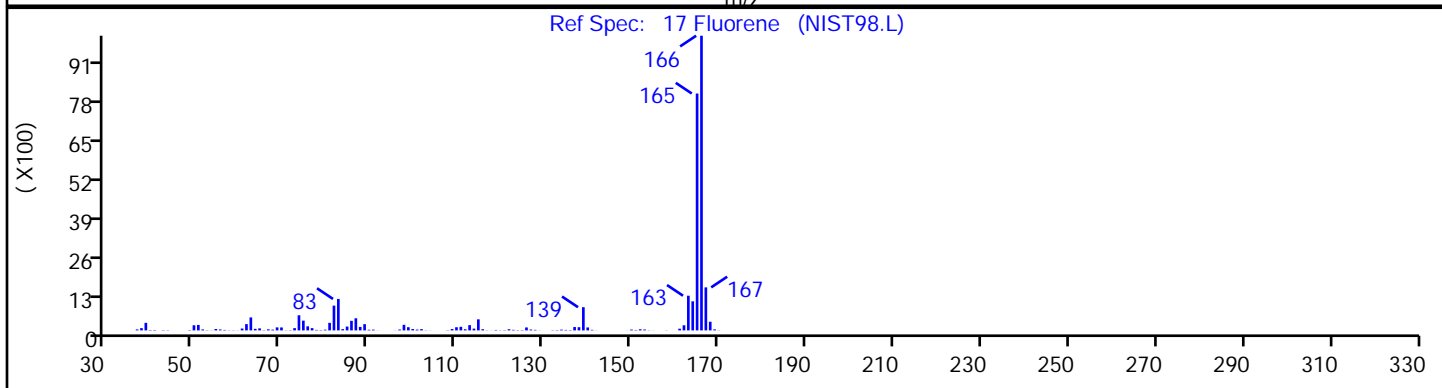
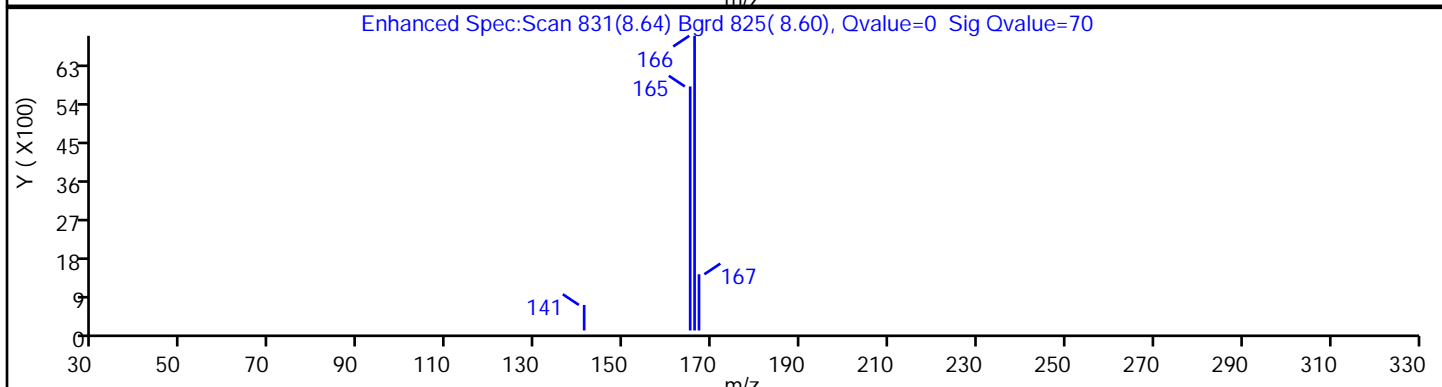
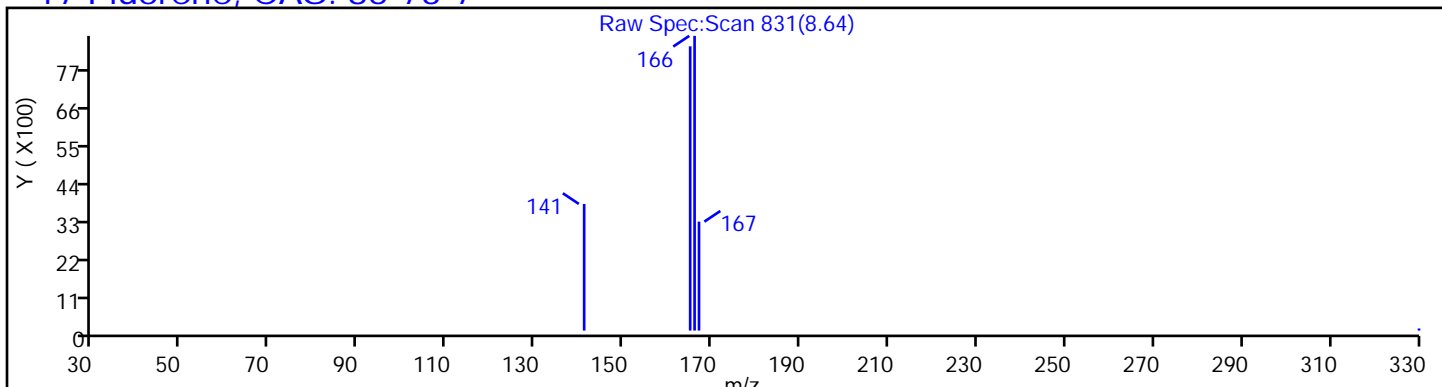
Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Column:

Detector MS SCAN

17 Fluorene, CAS: 86-73-7



Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D

Injection Date: 25-Mar-2022 22:00:30

Instrument ID: SEA101

Lims ID: 580-111436-B-6-A

Lab Sample ID: 580-111436-6

Client ID: ERH2815 (RHMW01R)

Operator ID: tl

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

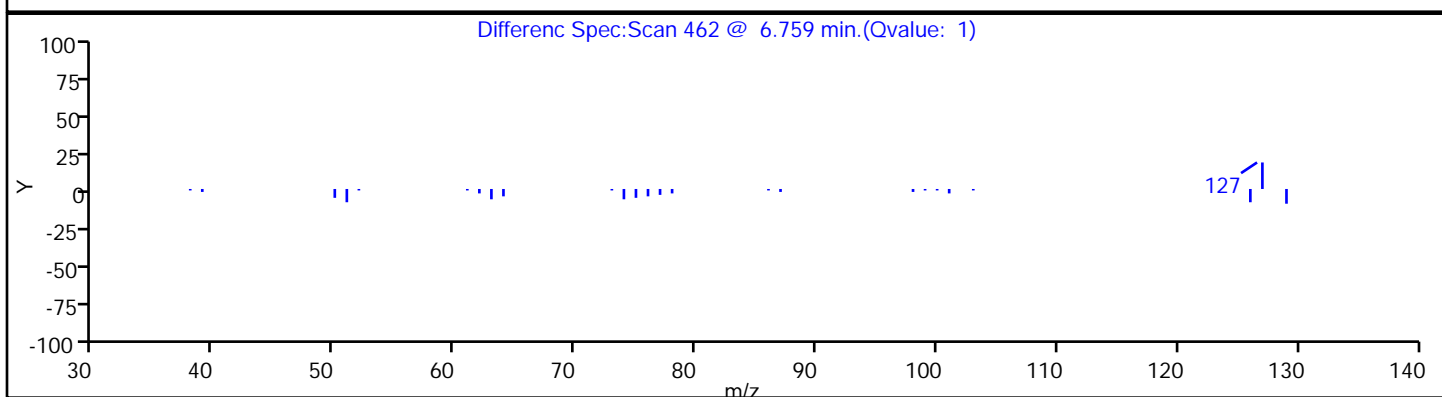
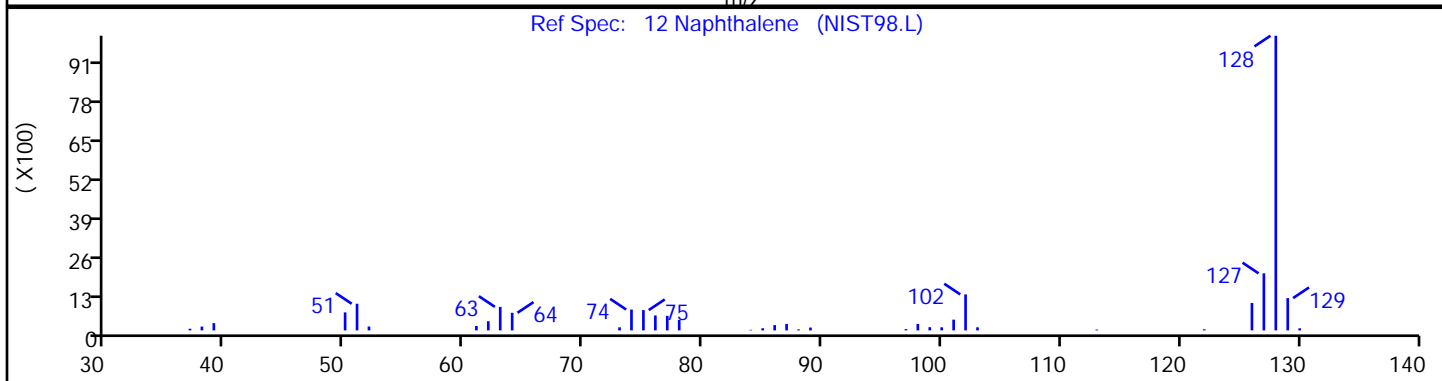
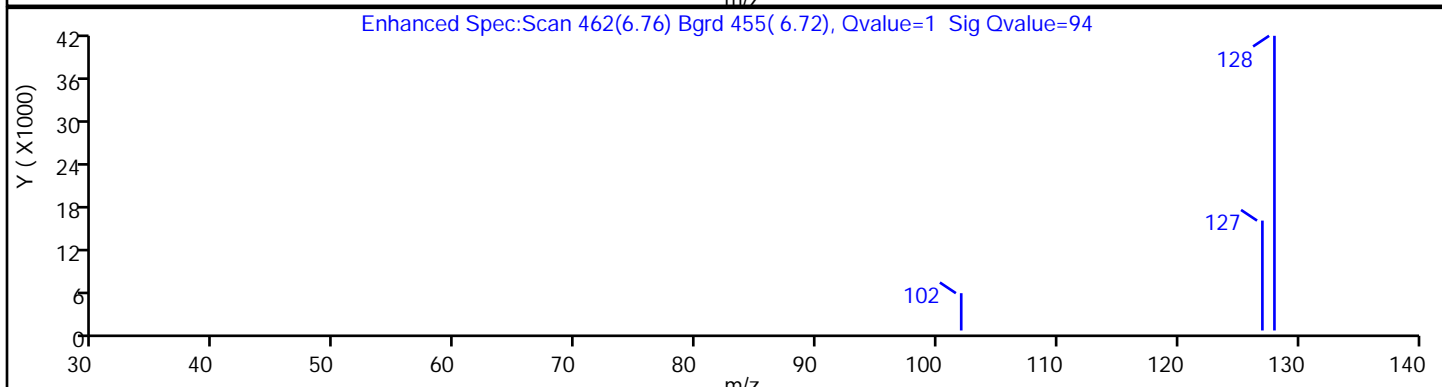
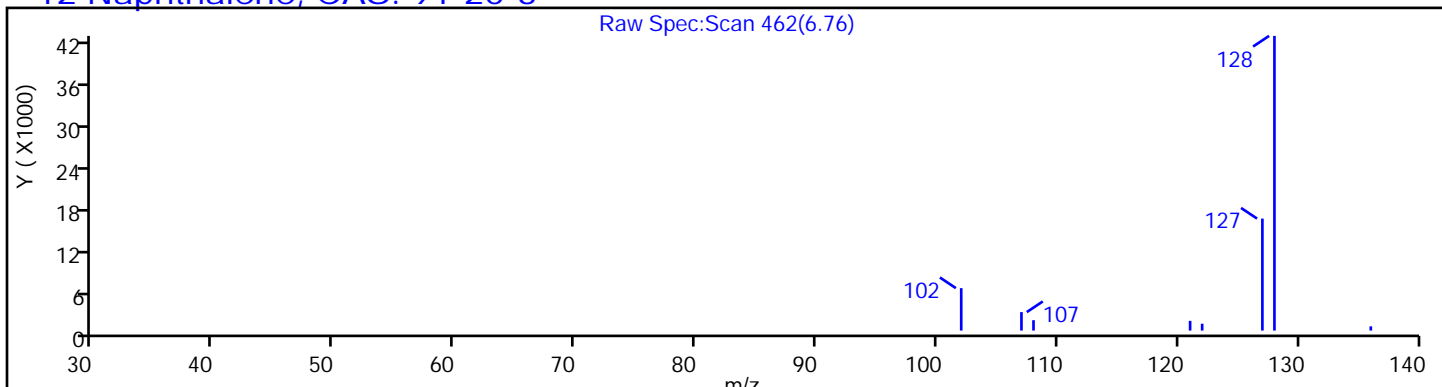
Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Column:

Detector MS SCAN

12 Naphthalene, CAS: 91-20-3



Eurofins Seattle

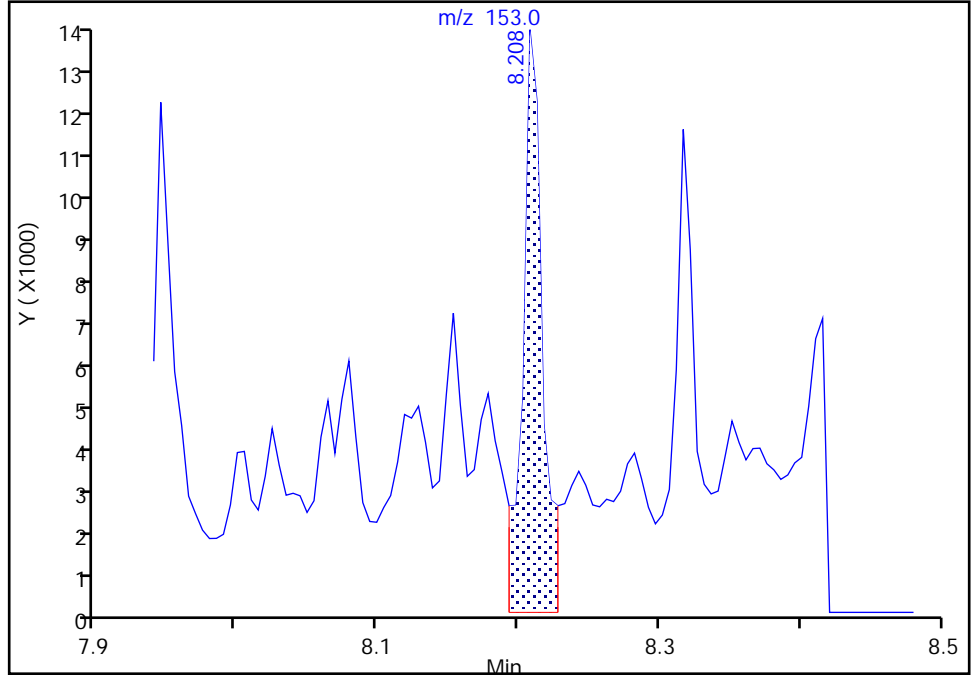
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Injection Date: 25-Mar-2022 22:00:30 Instrument ID: SEA101
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Acenaphthene, CAS: 83-32-9

Signal: 1

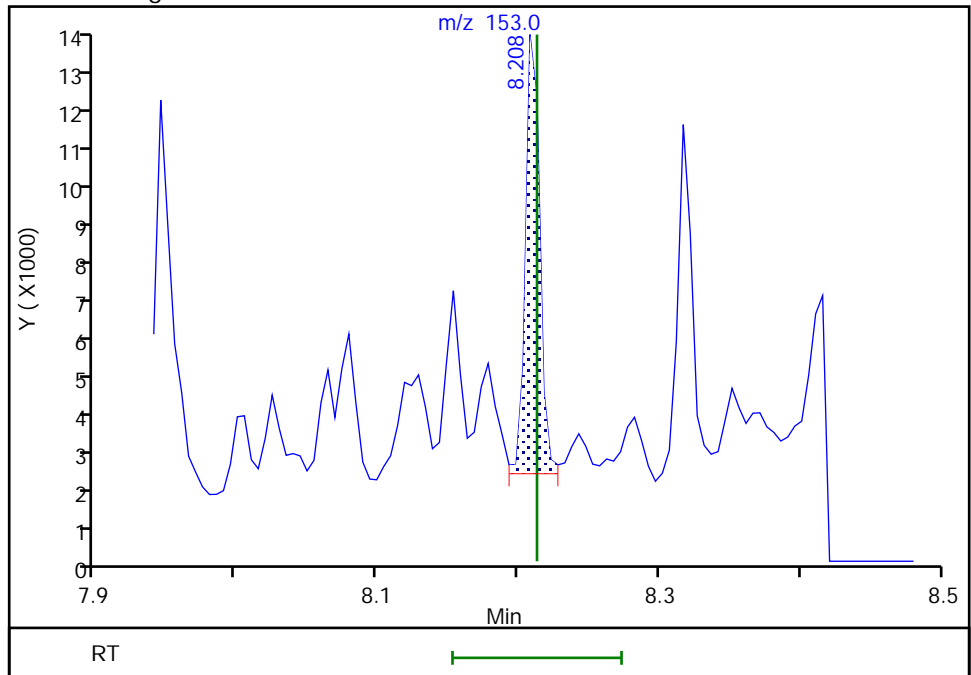
RT: 8.21
Area: 12660
Amount: 18.981898
Amount Units: ug/L

Processing Integration Results



RT: 8.21
Area: 7956
Amount: 11.928908
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:32:08
Audit Action: Manually Integrated

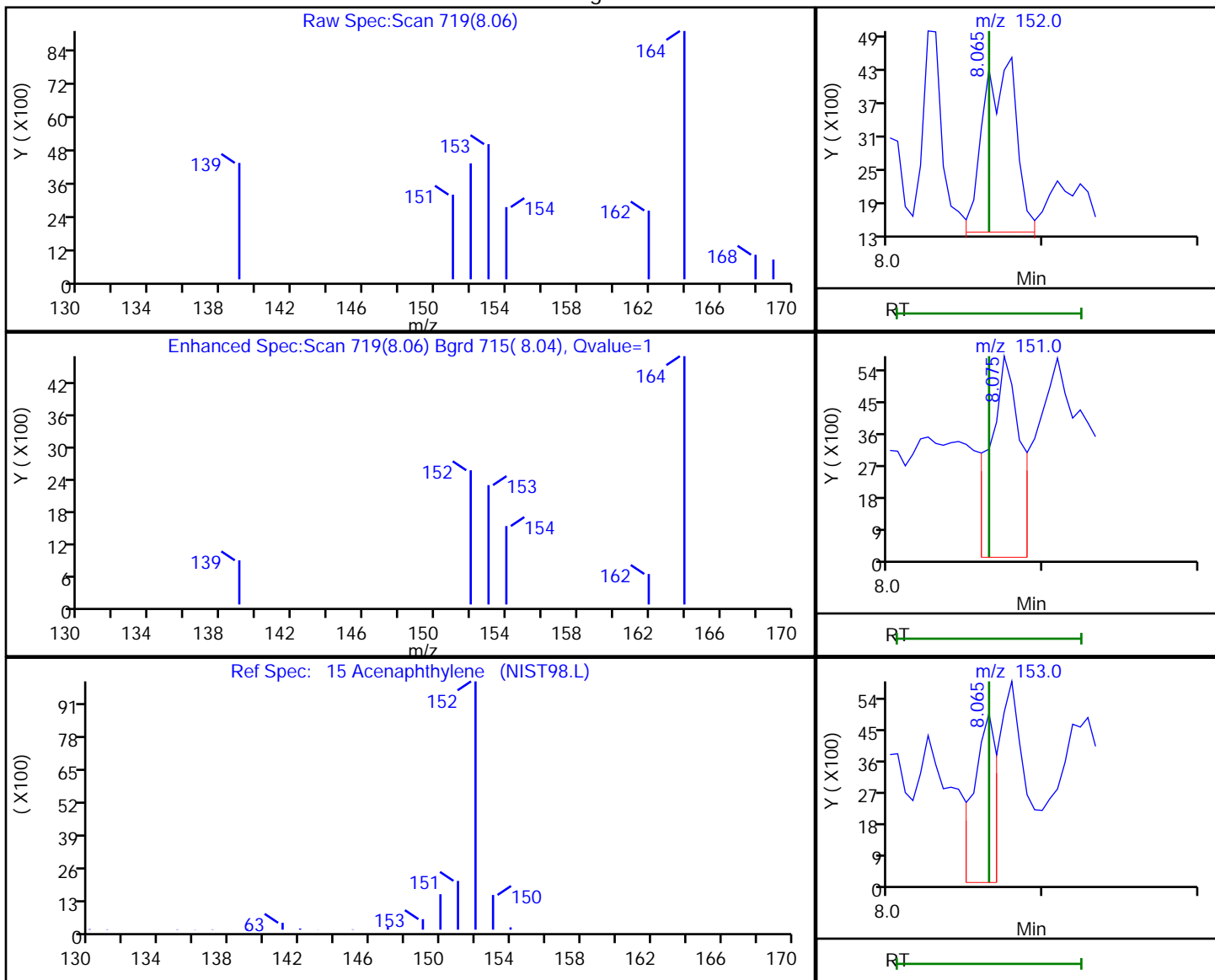
Audit Reason: Baseline

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D
Injection Date: 25-Mar-2022 22:00:30 Instrument ID: SEA101
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

15 Acenaphthylene, CAS: 208-96-8

Processing Results



RT	Mass	Response	Amount
8.06	152.00	4476	4.874984
8.07	151.00	7129	
8.06	153.00	4358	

Reviewer: limwirojt, 28-Mar-2022 10:32:02

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D

Injection Date: 25-Mar-2022 22:00:30

Instrument ID: SEA101

Lims ID: 580-111436-B-6-A

Lab Sample ID: 580-111436-6

Client ID: ERH2815 (RHMW01R)

Operator ID: tl

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

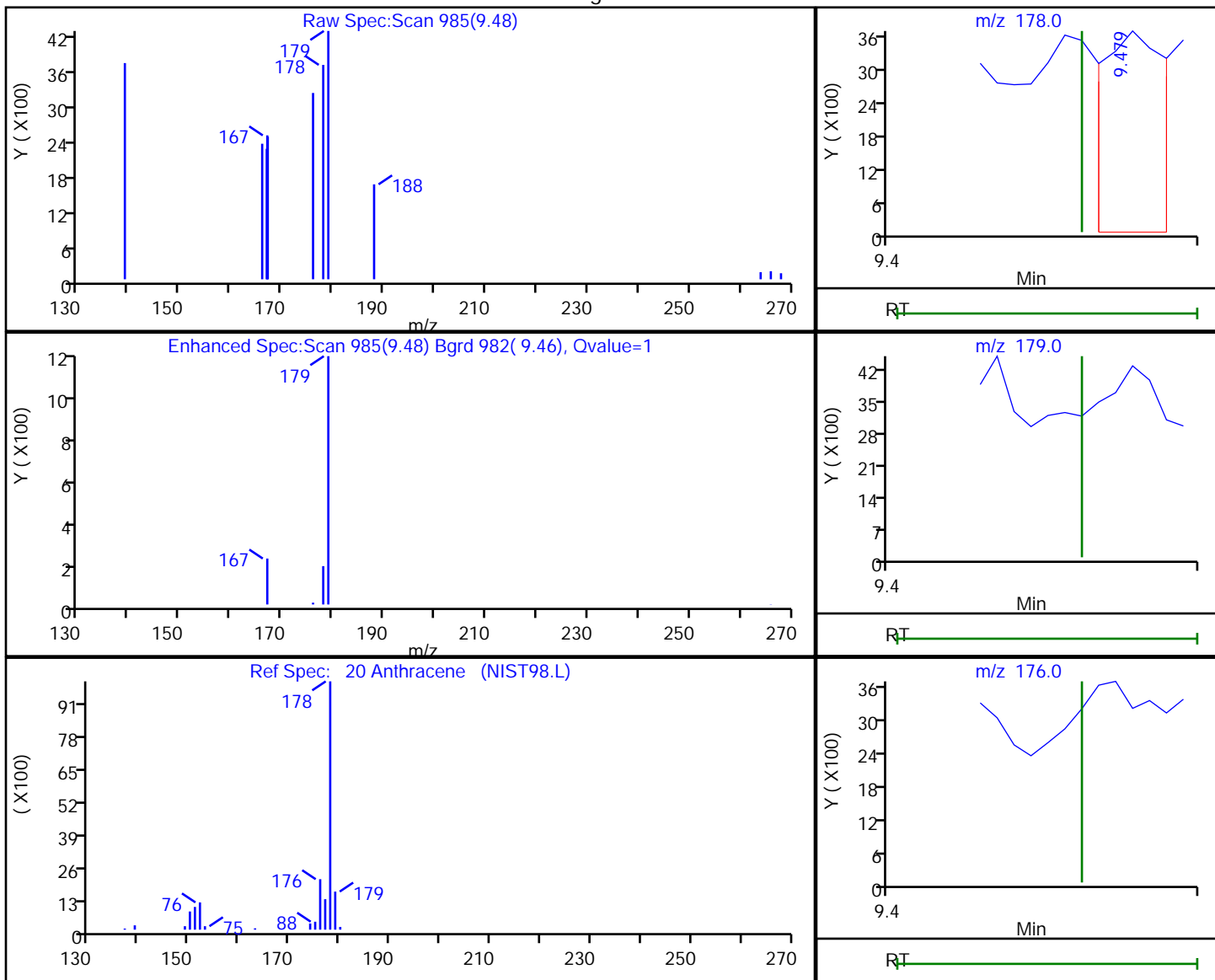
Limit Group: 8270D_SIM QSM 5.0

Column:

Detector: MS SCAN

20 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
9.48	178.00	4436	6.180435
9.48	179.00	17066	
9.47	176.00	12354	

Reviewer: limwirojt, 28-Mar-2022 10:32:23

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Seattle

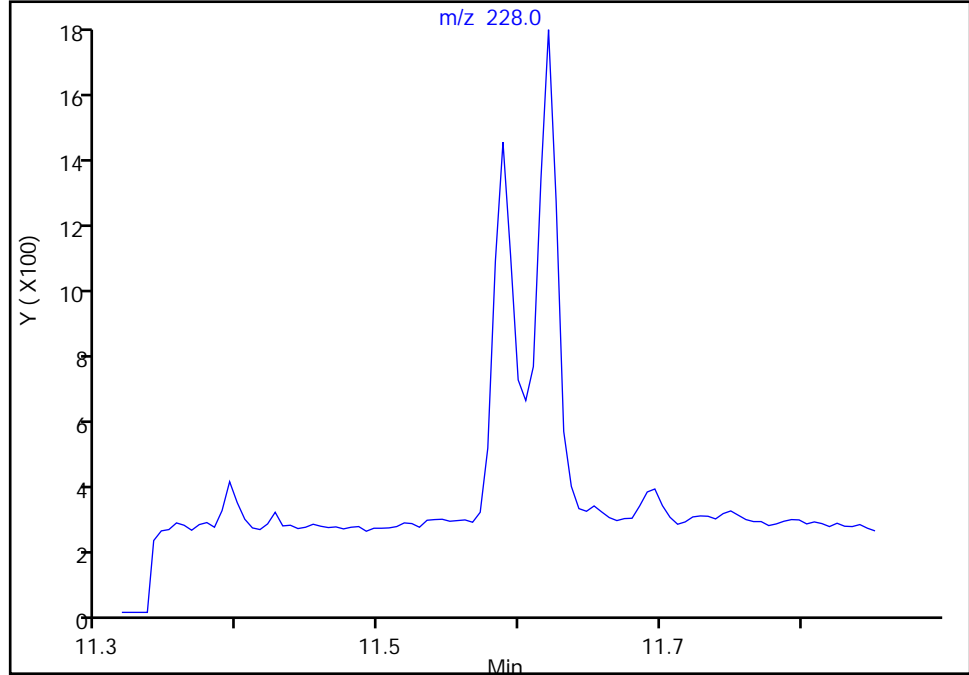
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Injection Date: 25-Mar-2022 22:00:30 Instrument ID: SEA101
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

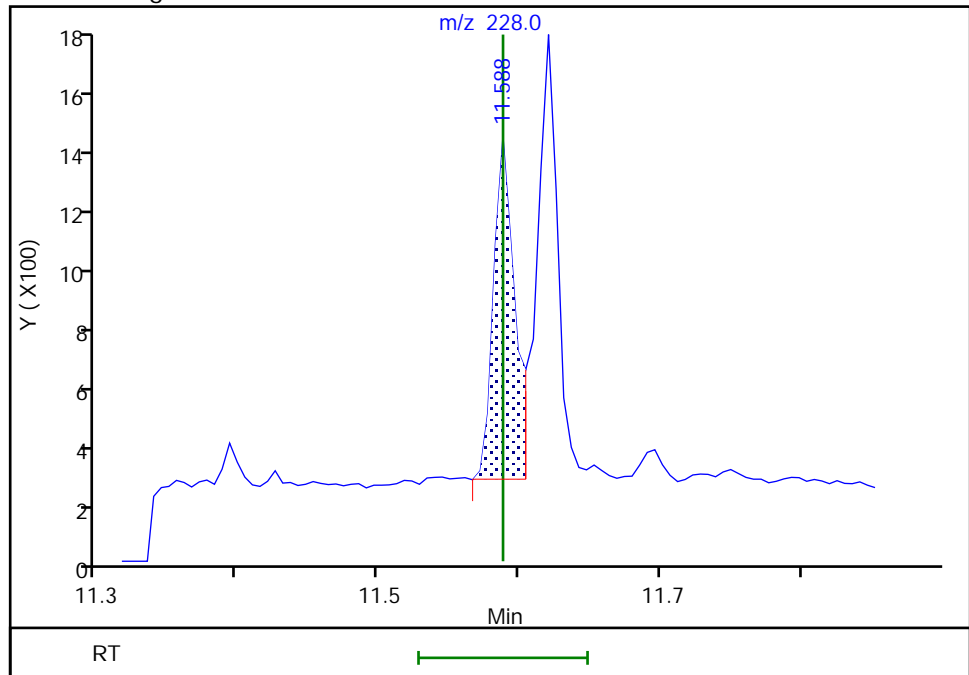
Not Detected
Expected RT: 11.59

Processing Integration Results



Manual Integration Results

RT: 11.59
Area: 1158
Amount: 1.904719
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:32:50
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

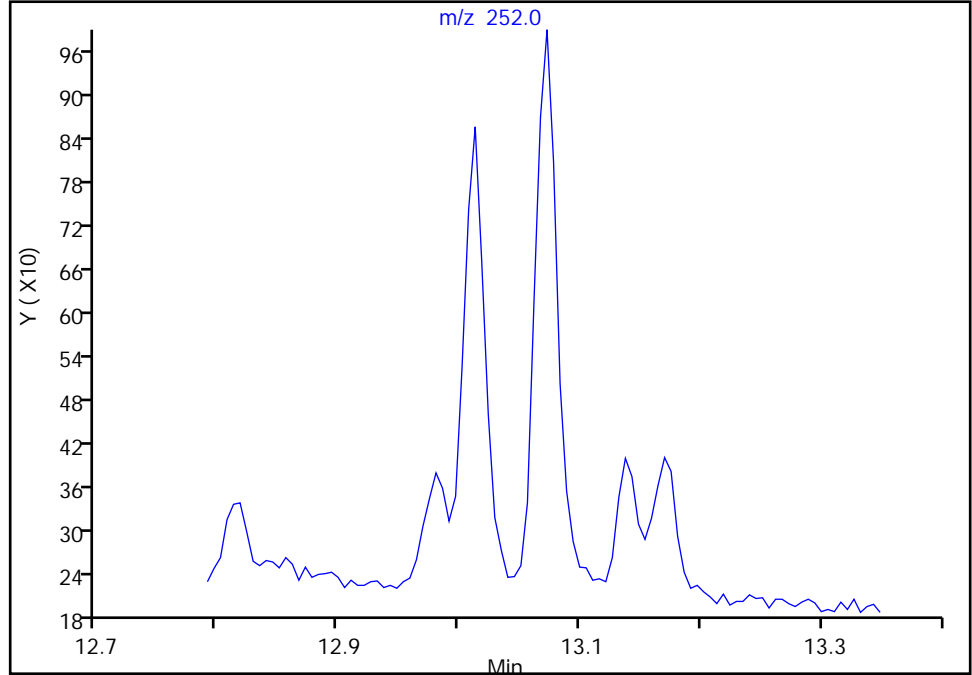
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Injection Date: 25-Mar-2022 22:00:30 Instrument ID: SEA101
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

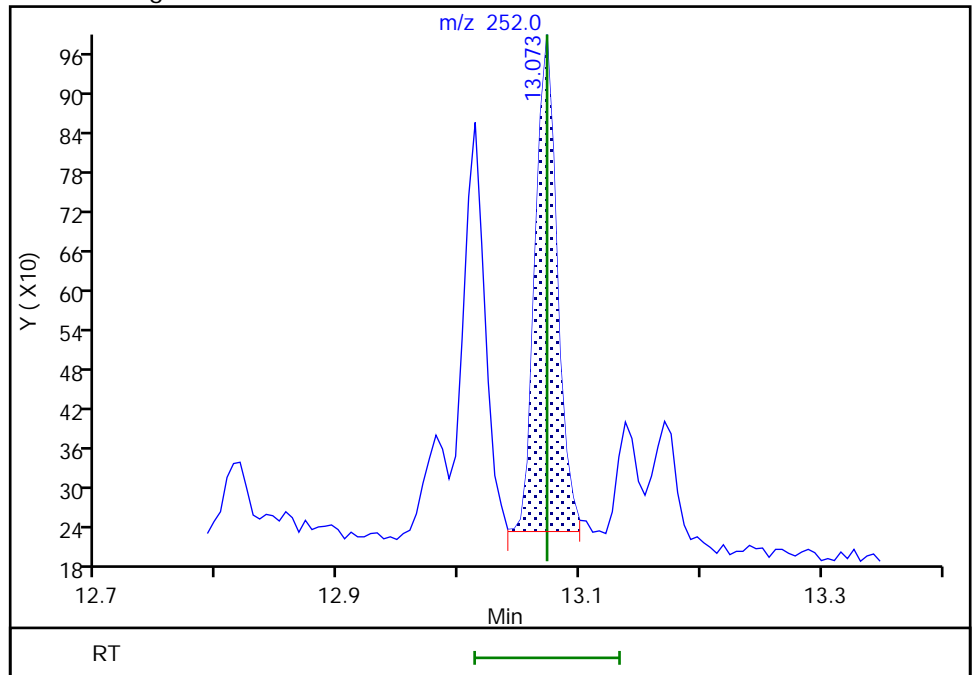
Not Detected
Expected RT: 13.07

Processing Integration Results



Manual Integration Results

RT: 13.07
Area: 946
Amount: 1.340881
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:33:19
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

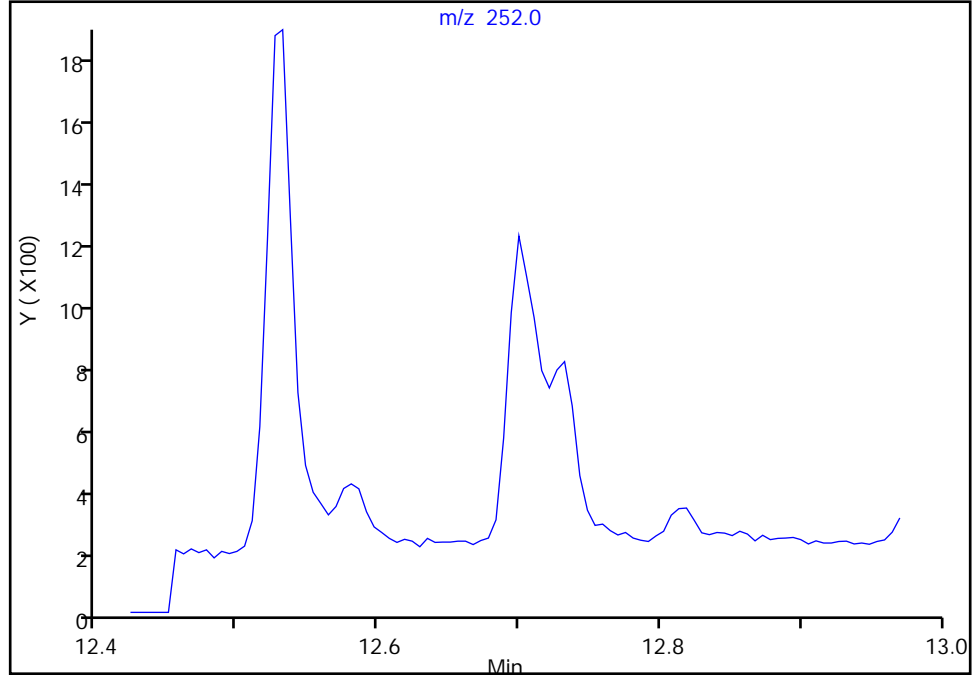
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Injection Date: 25-Mar-2022 22:00:30 Instrument ID: SEA101
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

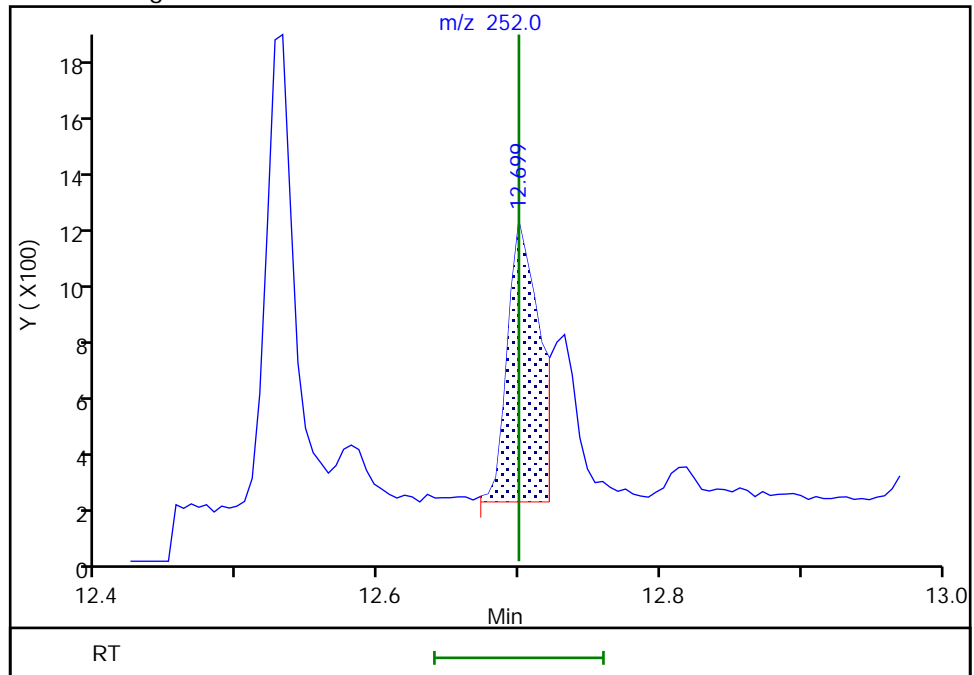
Not Detected
Expected RT: 12.70

Processing Integration Results



Manual Integration Results

RT: 12.70
Area: 1517
Amount: 1.954150
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:33:03
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

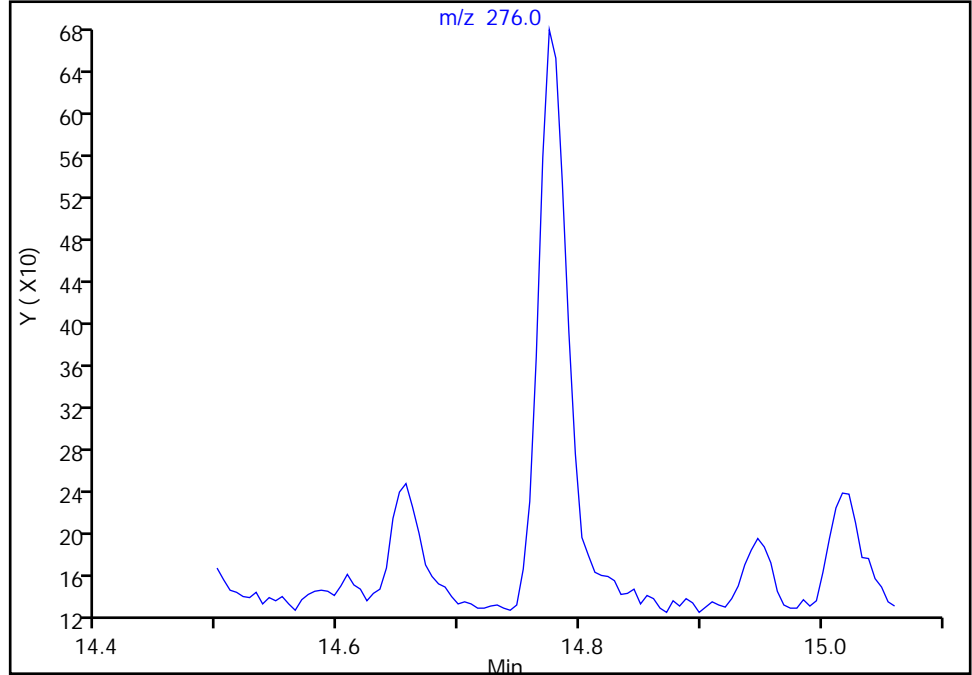
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Injection Date: 25-Mar-2022 22:00:30 Instrument ID: SEA101
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

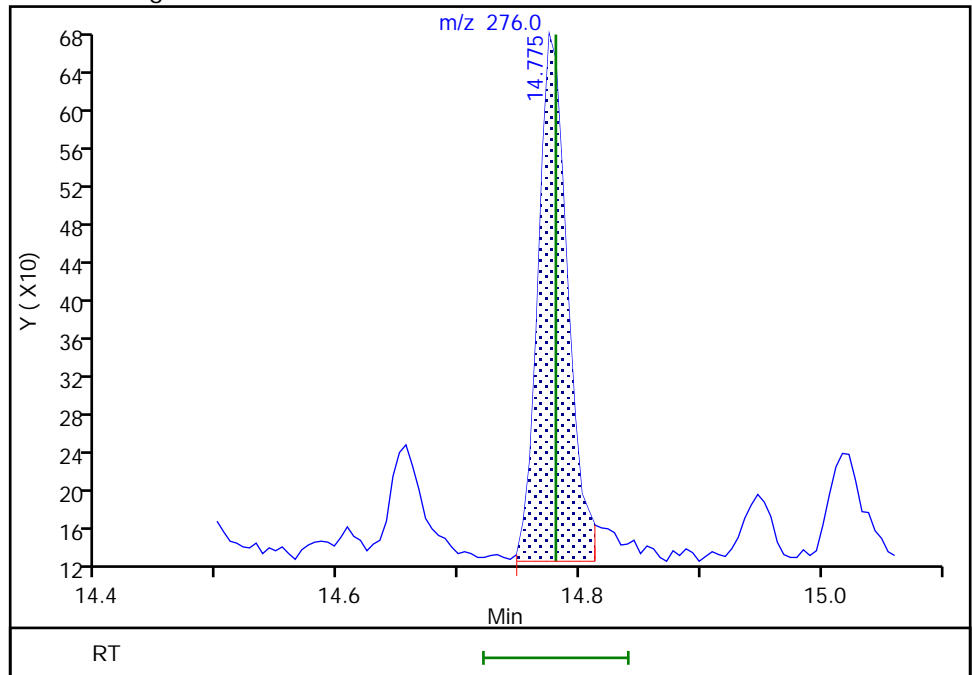
Not Detected
Expected RT: 14.78

Processing Integration Results



Manual Integration Results

RT: 14.77
Area: 928
Amount: 1.035655
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:45:35
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

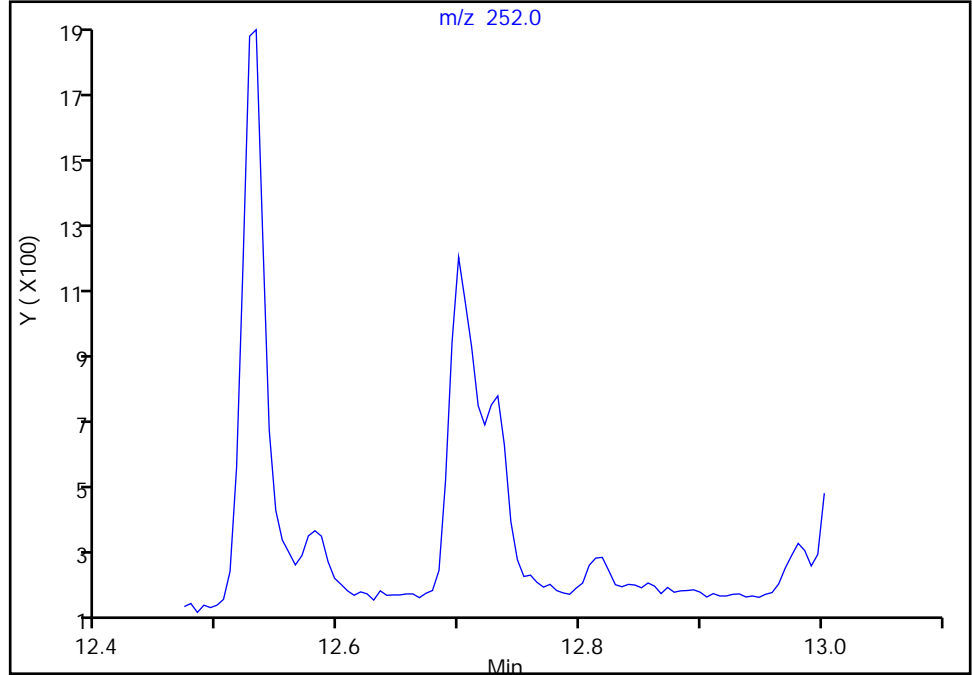
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D
Injection Date: 25-Mar-2022 22:00:30 Instrument ID: SEA101
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

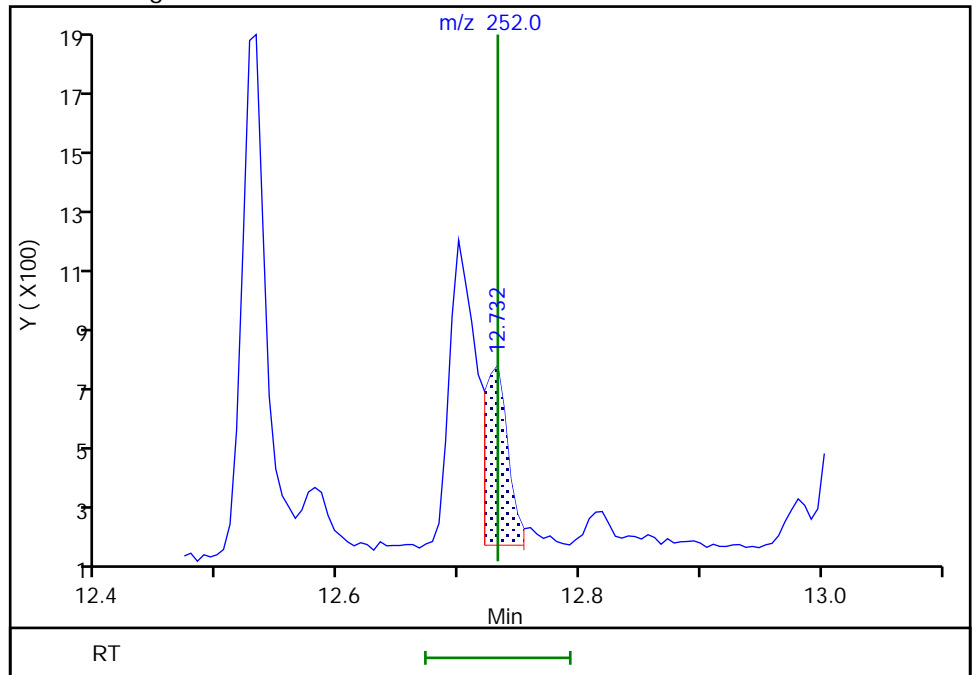
Not Detected
Expected RT: 12.73

Processing Integration Results



Manual Integration Results

RT: 12.73
Area: 703
Amount: 0.937265
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:33:14
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

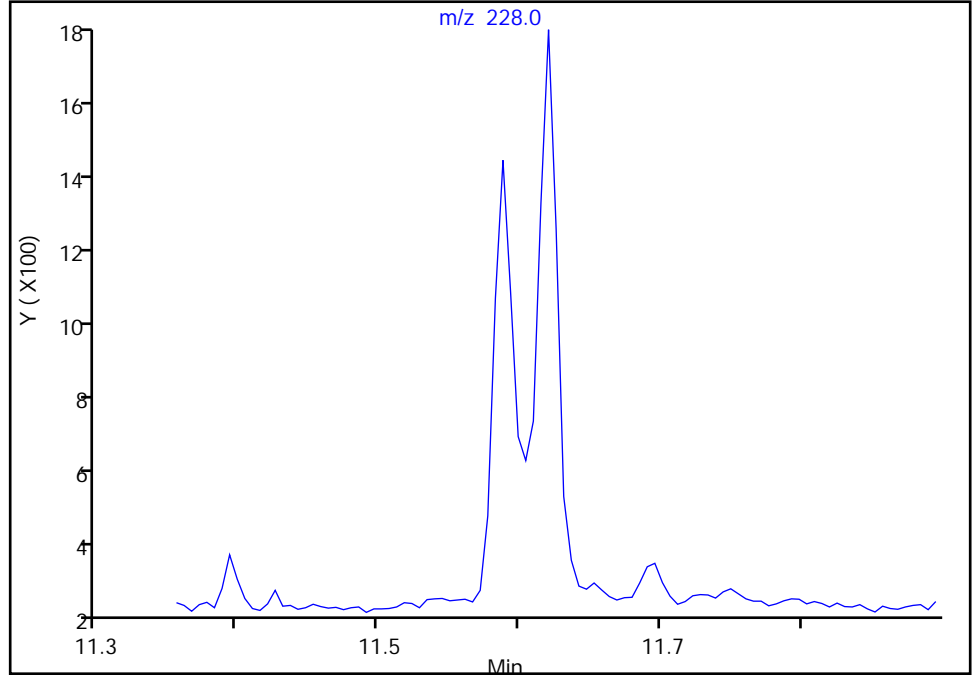
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D
Injection Date: 25-Mar-2022 22:00:30 Instrument ID: SEA101
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Chrysene, CAS: 218-01-9

Signal: 1

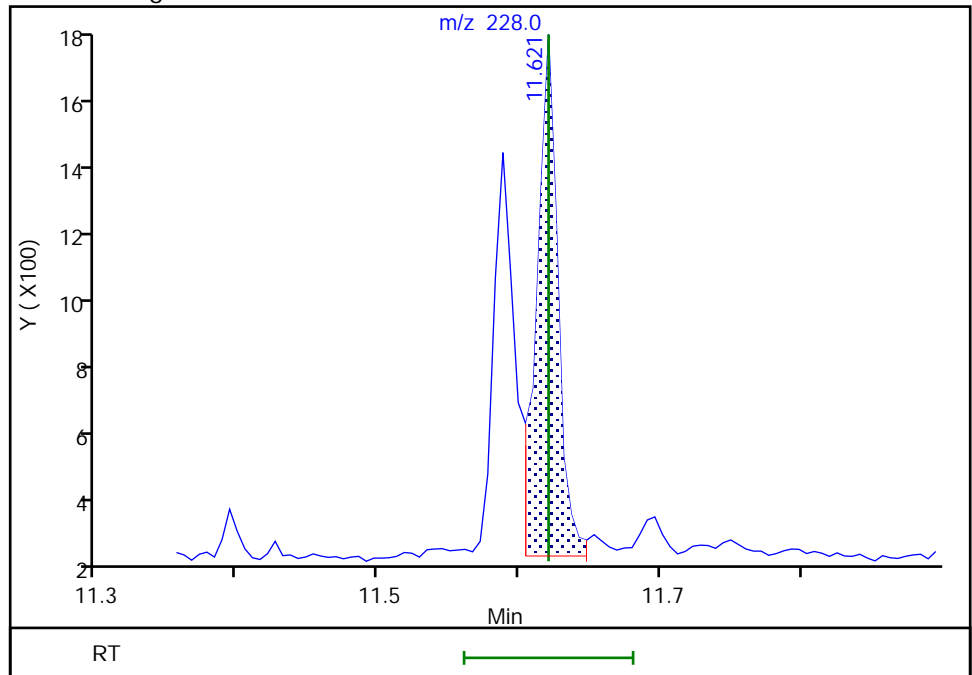
Not Detected
Expected RT: 11.62

Processing Integration Results



Manual Integration Results

RT: 11.62
Area: 1508
Amount: 1.736226
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:32:56
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

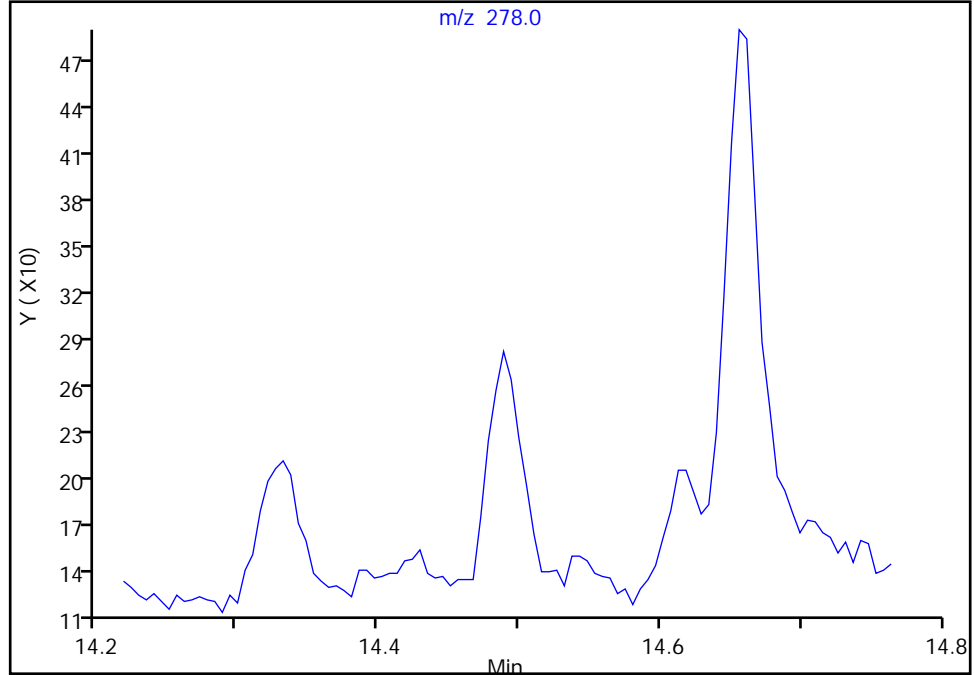
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D
Injection Date: 25-Mar-2022 22:00:30 Instrument ID: SEA101
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

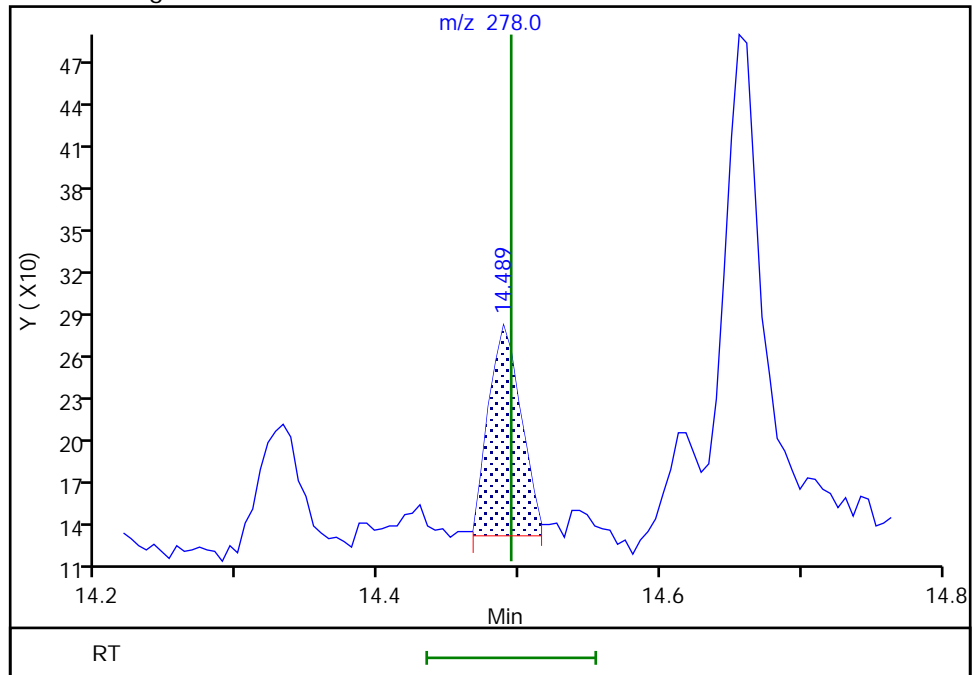
Not Detected
Expected RT: 14.49

Processing Integration Results



Manual Integration Results

RT: 14.49
Area: 237
Amount: 2.514428
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:45:31
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

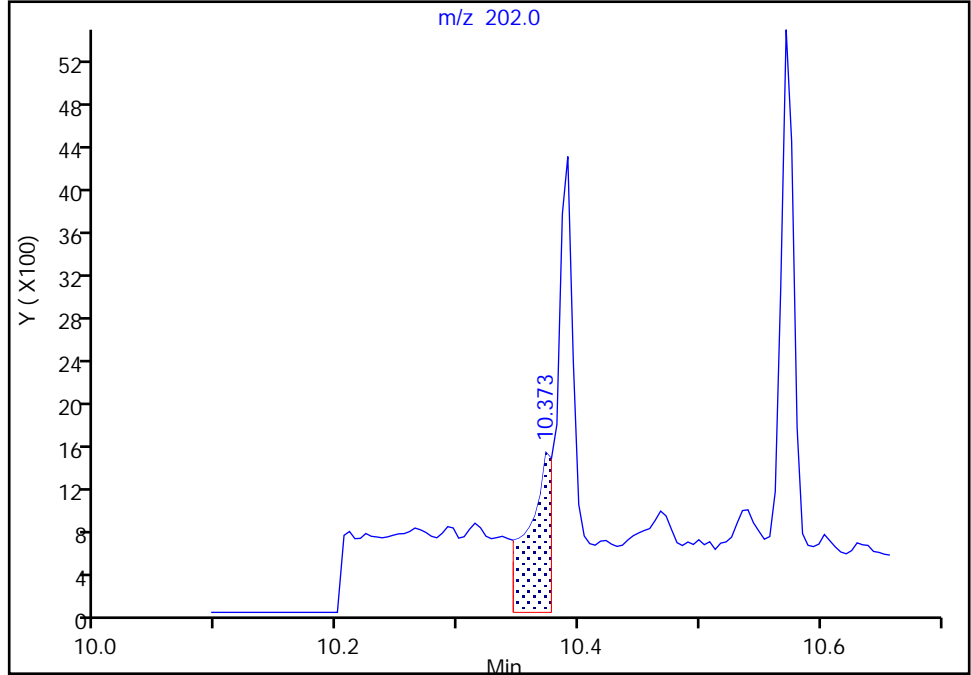
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D
Injection Date: 25-Mar-2022 22:00:30 Instrument ID: SEA101
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Fluoranthene, CAS: 206-44-0

Signal: 1

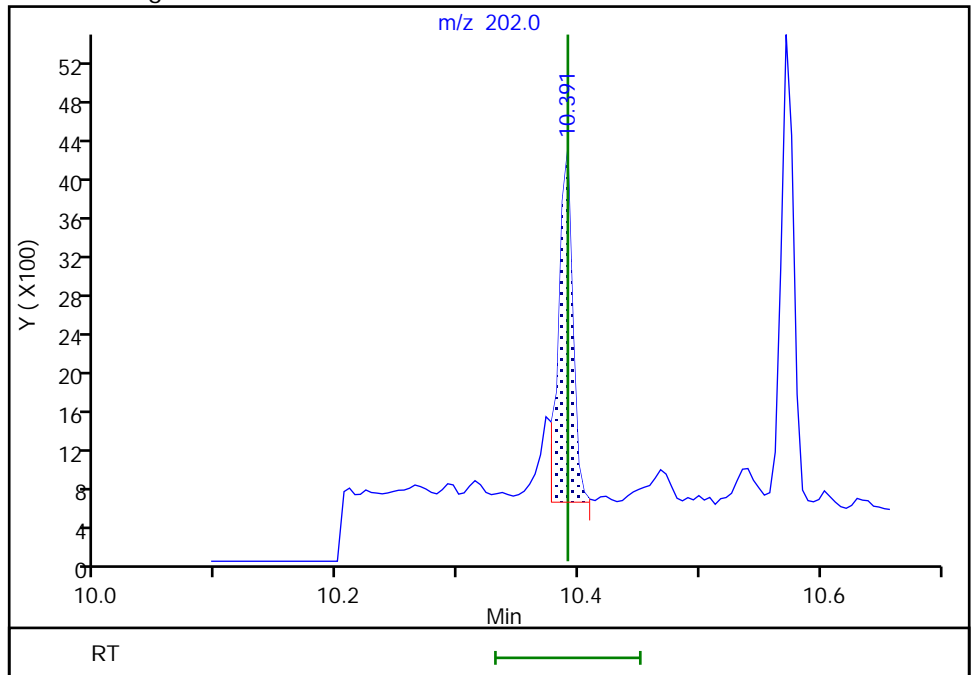
RT: 10.37
Area: 1828
Amount: 2.295766
Amount Units: ug/L

Processing Integration Results



RT: 10.39
Area: 2864
Amount: 3.596868
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:32:32
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

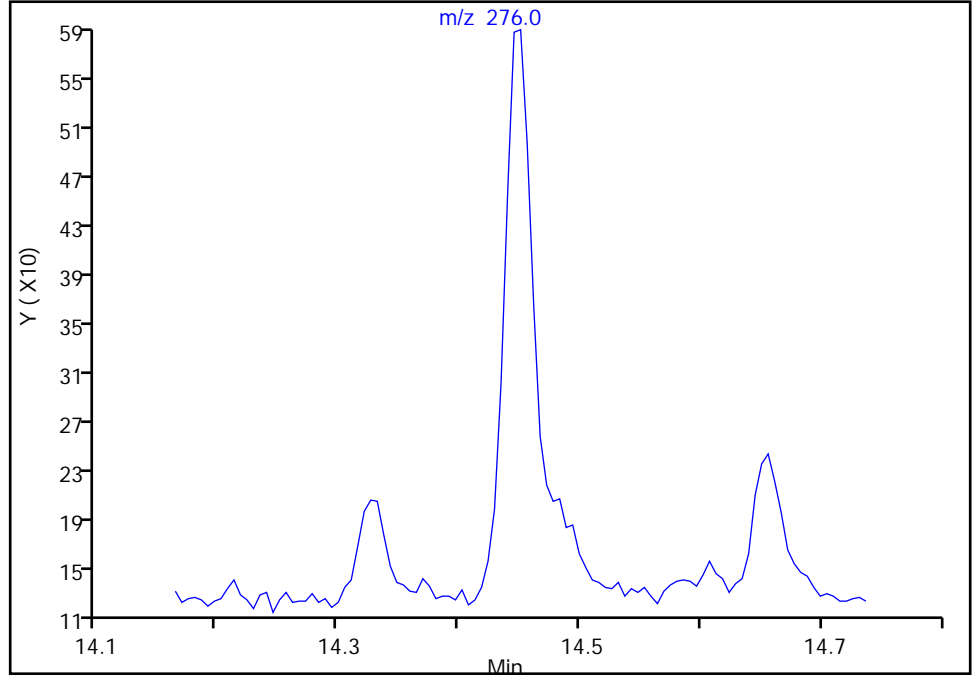
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D
Injection Date: 25-Mar-2022 22:00:30 Instrument ID: SEA101
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

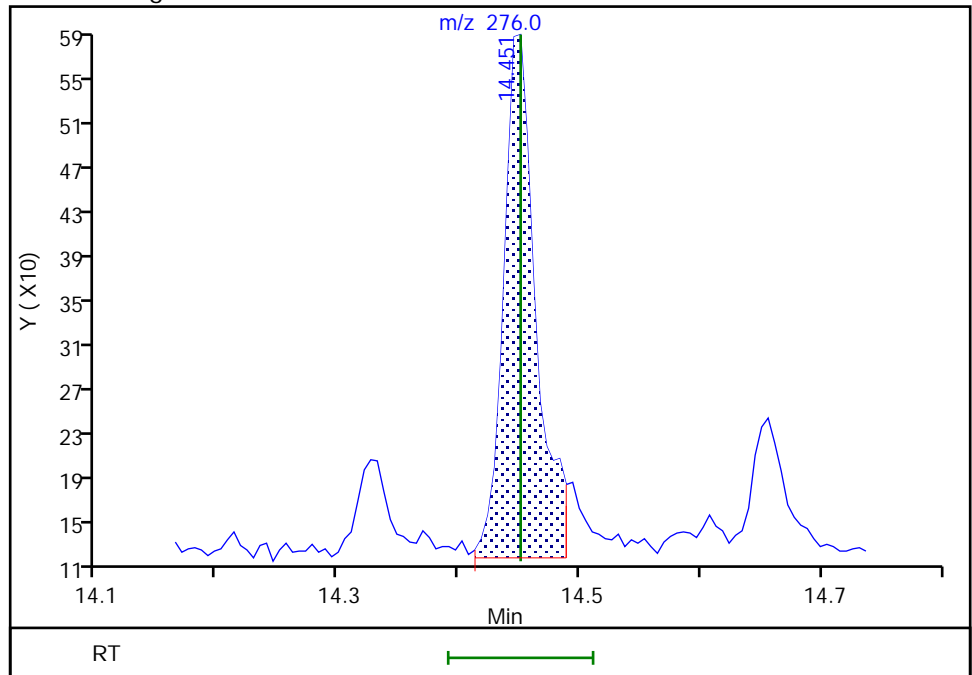
Not Detected
Expected RT: 14.45

Processing Integration Results



Manual Integration Results

RT: 14.45
Area: 854
Amount: 1.330477
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:45:26
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

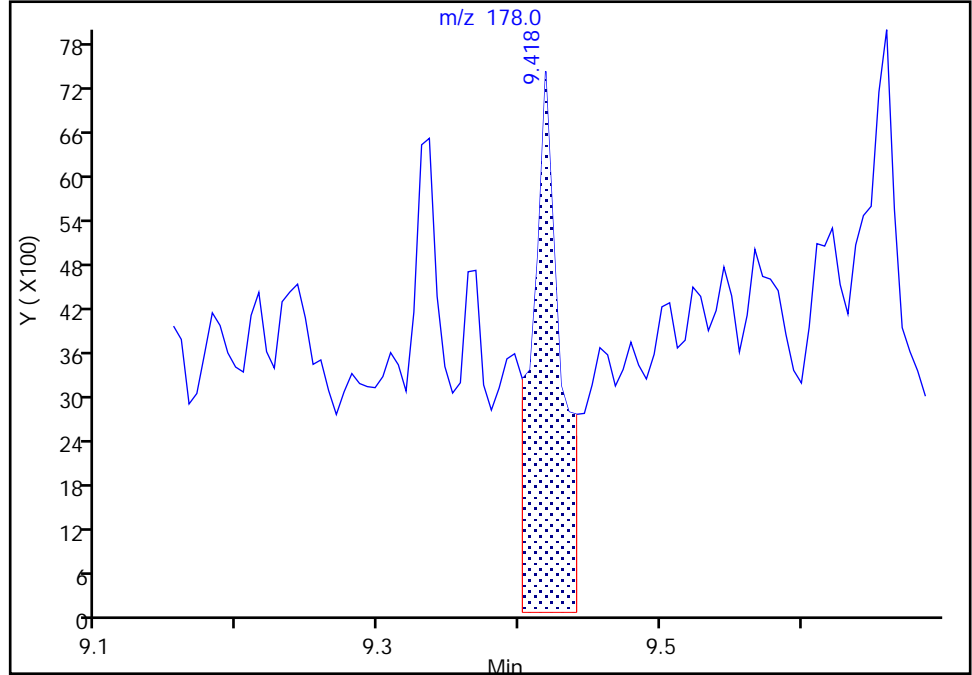
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D
Injection Date: 25-Mar-2022 22:00:30 Instrument ID: SEA101
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Phenanthrene, CAS: 85-01-8

Signal: 1

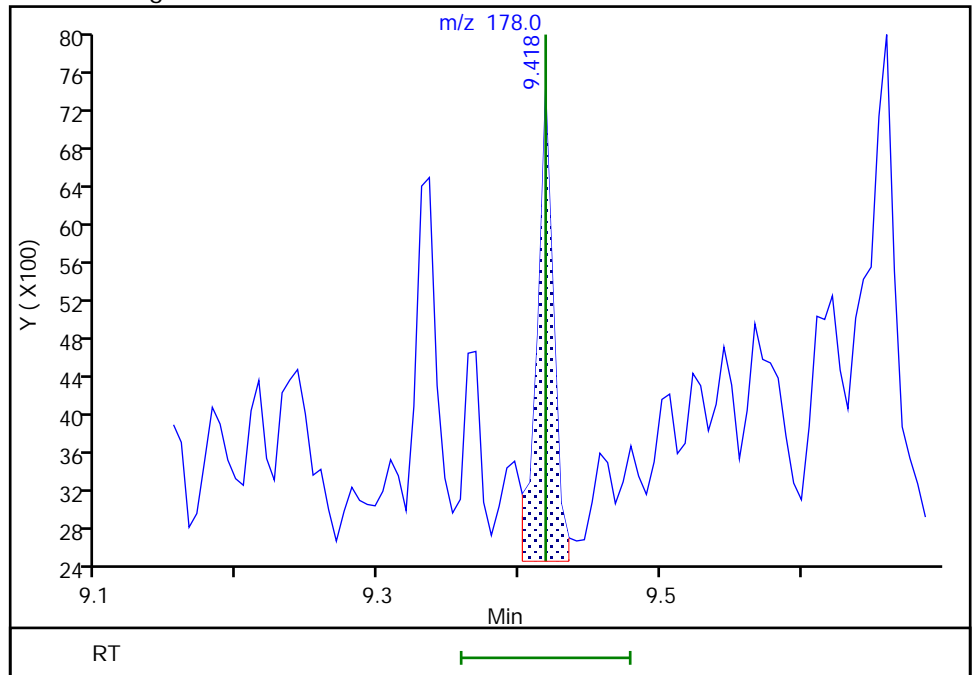
RT: 9.42
Area: 9692
Amount: 11.790380
Amount Units: ug/L

Processing Integration Results



RT: 9.42
Area: 3893
Amount: 4.735860
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:32:20
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

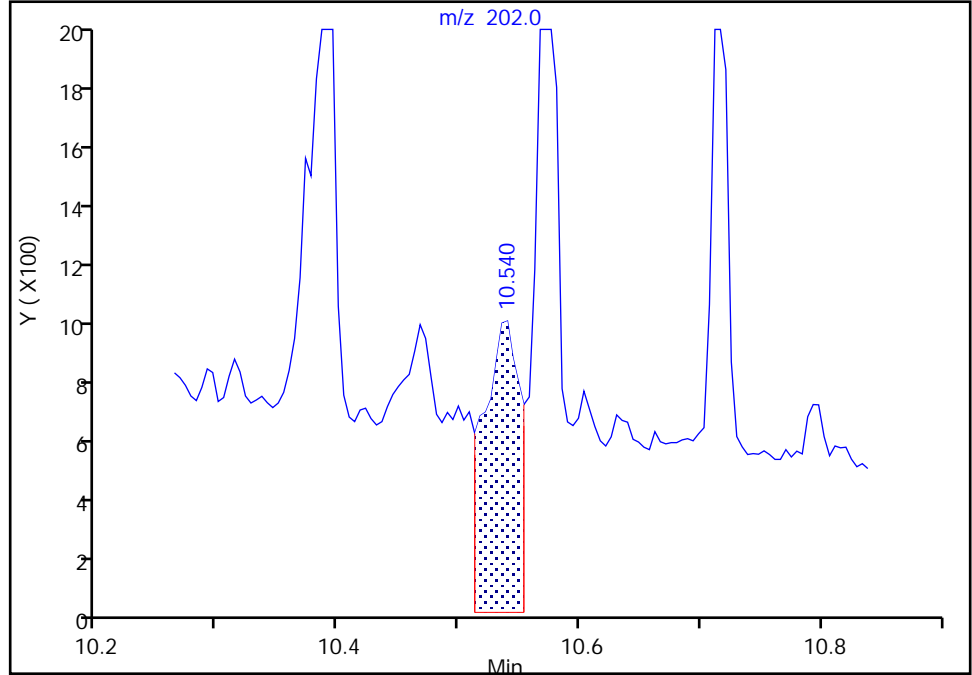
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D
Injection Date: 25-Mar-2022 22:00:30 Instrument ID: SEA101
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Pyrene, CAS: 129-00-0

Signal: 1

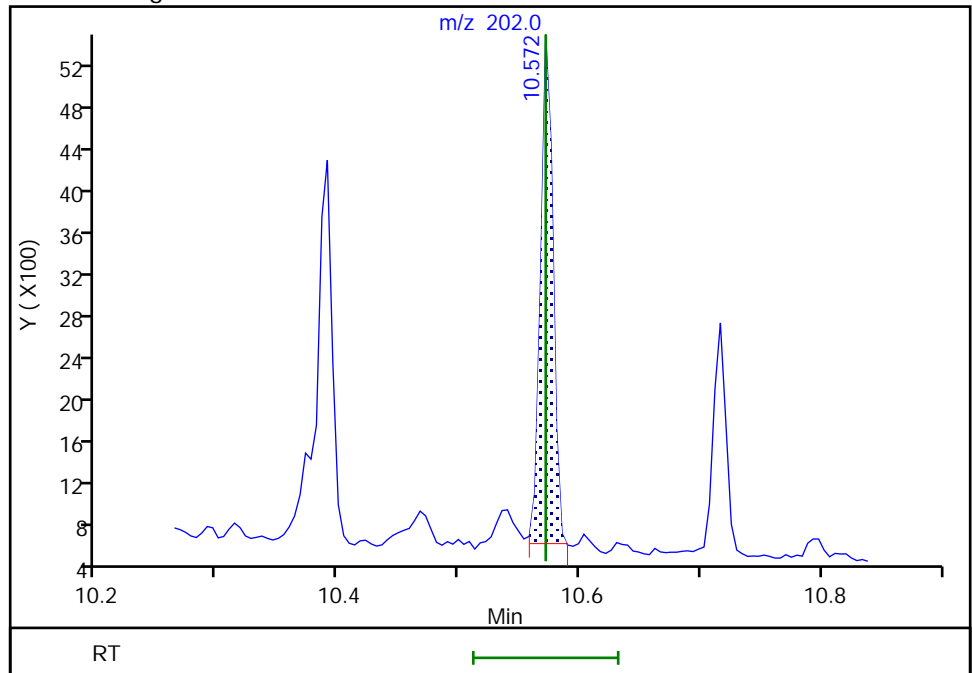
RT: 10.54
Area: 1889
Amount: 2.255771
Amount Units: ug/L

Processing Integration Results



RT: 10.57
Area: 3423
Amount: 4.087615
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:32:41
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

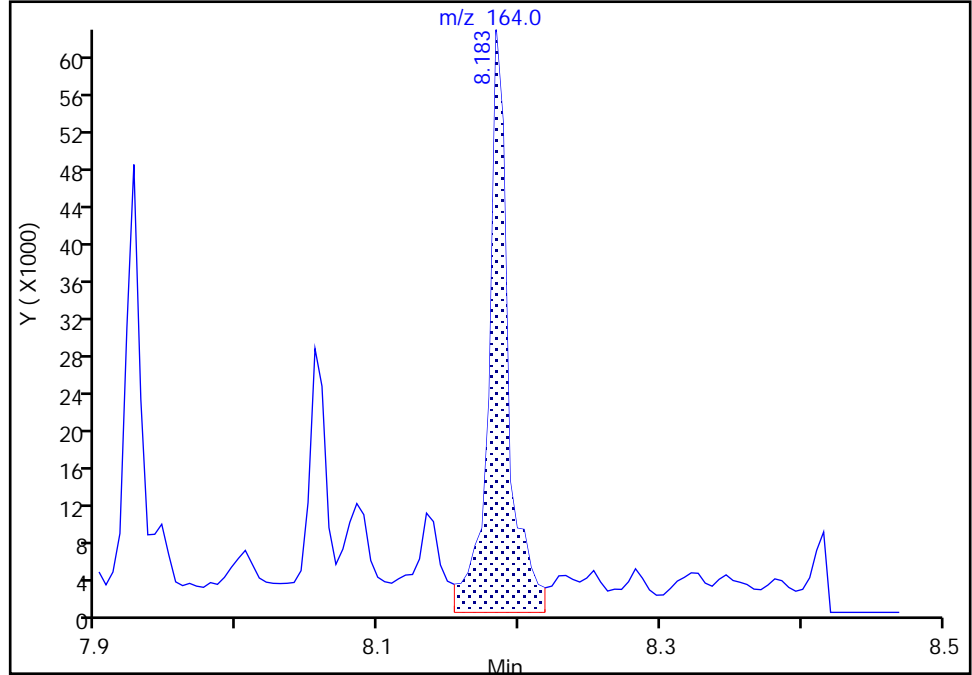
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D
Injection Date: 25-Mar-2022 22:00:30 Instrument ID: SEA101
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

* 3 Acenaphthene-d10, CAS: 15067-26-2

Signal: 1

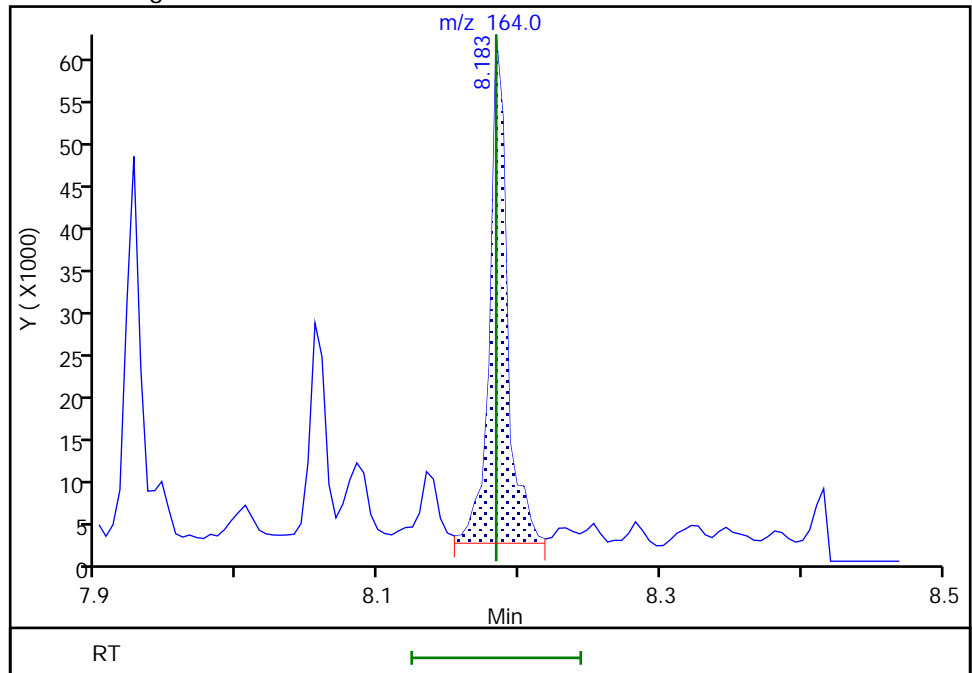
RT: 8.18
Area: 60592
Amount: 100.0000
Amount Units: ug/L

Processing Integration Results



RT: 8.18
Area: 52336
Amount: 100.0000
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:30:59
Audit Action: Manually Integrated

Audit Reason: Baseline

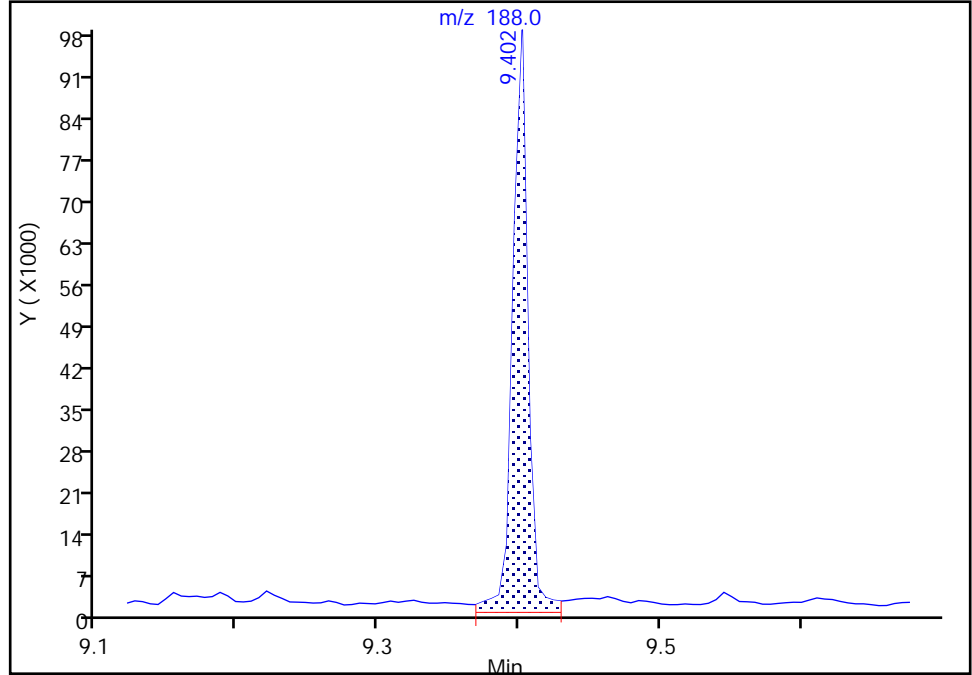
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b019.D
Injection Date: 25-Mar-2022 22:00:30 Instrument ID: SEA101
Lims ID: 580-111436-B-6-A Lab Sample ID: 580-111436-6
Client ID: ERH2815 (RHMW01R)
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

* 4 Phenanthrene-d10, CAS: 1517-22-2
Signal: 1

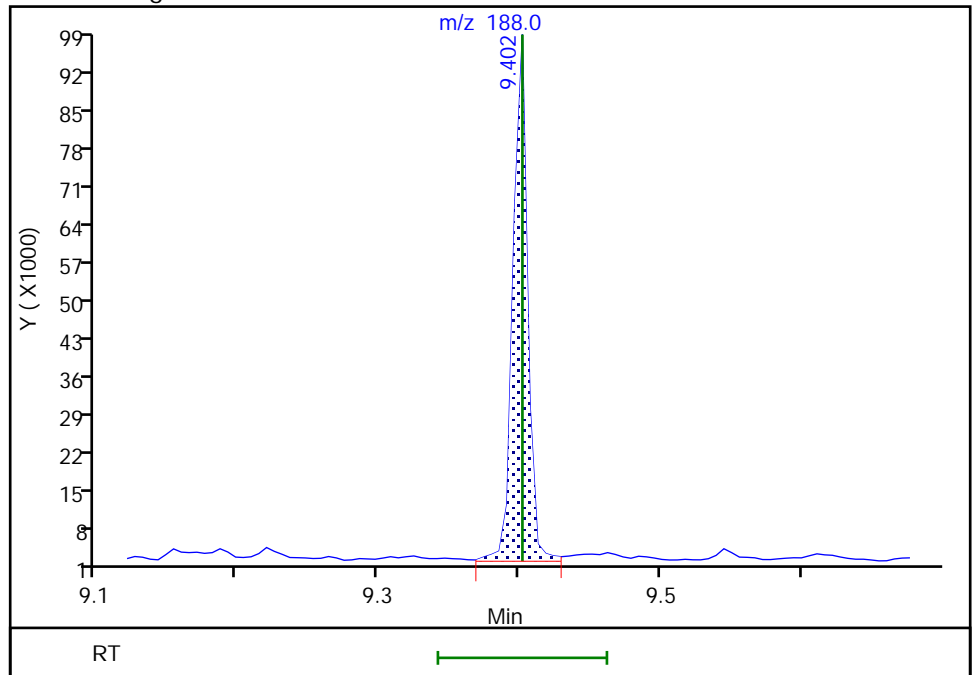
RT: 9.40
Area: 74037
Amount: 100.0000
Amount Units: ug/L

Processing Integration Results



RT: 9.40
Area: 70147
Amount: 100.0000
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:31:37
Audit Action: Manually Integrated

Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2775 (RHMW15-05) Lab Sample ID: 580-111436-7
 Matrix: Water Lab File ID: SIM032122a019.D
 Analysis Method: 8270E SIM Date Collected: 03/14/2022 09:45
 Extract. Method: 3510C Date Extracted: 03/18/2022 10:55
 Sample wt/vol: 994.1(mL) Date Analyzed: 03/21/2022 16:39
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384521 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U M	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.080	U M	0.20	0.080	0.039
83-32-9	Acenaphthene	0.032	U	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U	0.050	0.032	0.0091
120-12-7	Anthracene	0.080	U	0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	0.032	U M	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U M	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U M	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U M	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U M	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U M	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U M	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U M	0.050	0.032	0.014
91-20-3	Naphthalene	0.080	U M	0.10	0.080	0.031
85-01-8	Phenanthrene	0.080	U M	0.10	0.080	0.031
129-00-0	Pyrene	0.080	U	0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	59		40-140
93951-69-0	Fluoranthene-d10 (Surr)	97		40-140
1718-51-0	Terphenyl-d14	107		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a019.D
 Lims ID: 580-111436-B-7-A
 Client ID: ERH2775 (RHMW15-05)
 Sample Type: Client
 Inject. Date: 21-Mar-2022 16:39:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-7-A
 Operator ID: tl Instrument ID: TAC050
 Method: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 22-Mar-2022 09:22:33 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1663

First Level Reviewer: limwirojt Date: 22-Mar-2022 09:22:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.148	5.148	0.000	90	15597	100.0	
* 2 Acenaphthene-d10	164	6.836	6.832	0.004	72	7534	100.0	
* 3 Phenanthrene-d10	188	8.299	8.299	0.000	56	13861	100.0	
* 4 Chrysene-d12	240	11.007	11.007	0.000	36	12293	100.0	
* 5 Perylene-d12	264	13.052	13.056	-0.004	69	14734	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	54109	586.4	
\$ 10 2-Fluorobiphenyl	172	6.170	6.170	0.000	0	69312	574.9	Ma
\$ 7 2,4,6-Tribromophenol	330	7.614	7.614	0.000	56	19605	946.3	
\$ 8 Fluoranthene-d10 (Surr)	212	9.483	9.487	-0.004	68	139482	974.1	
\$ 9 Terphenyl-d14	244	9.876	9.876	0.000	93	118311	1065.0	
11 Naphthalene	128	5.166	5.166	0.000	88	165	1.00	M
12 2-Methylnaphthalene	141	5.818	5.818	0.000	91	72	0.7696	M
13 1-Methylnaphthalene	141	5.914	5.914	0.000	76	41	0.4524	M
22 Benzo[a]anthracene	228	10.994	10.994	0.000	23	352	0.6826	M
23 Chrysene	228	11.039	11.039	0.000	98	474	1.09	M
24 Benzo[b]fluoranthene	252	12.452	12.447	0.005	96	732	3.00	M
25 Benzo[k]fluoranthene	252	12.489	12.489	0.000	88	384	0.99	M
26 Benzo[a]pyrene	252	12.960	12.960	0.000	93	419	1.37	M
27 Indeno[1,2,3-cd]pyrene	276	14.930	14.913	0.017	86	518	3.44	Ma
28 Dibenz(a,h)anthracene	278	14.968	14.962	0.006	89	124	0.0663	Ma
29 Benzo[g,h,i]perylene	276	15.418	15.407	0.011	88	573	2.14	Ma

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a019.D

Injection Date: 21-Mar-2022 16:39:30

Instrument ID: TAC050

Lims ID: 580-111436-B-7-A

Lab Sample ID: 580-111436-7

Client ID: ERH2775 (RHMW15-05)

Operator ID: tl

ALS Bottle#: 18

Worklist Smp#: 18

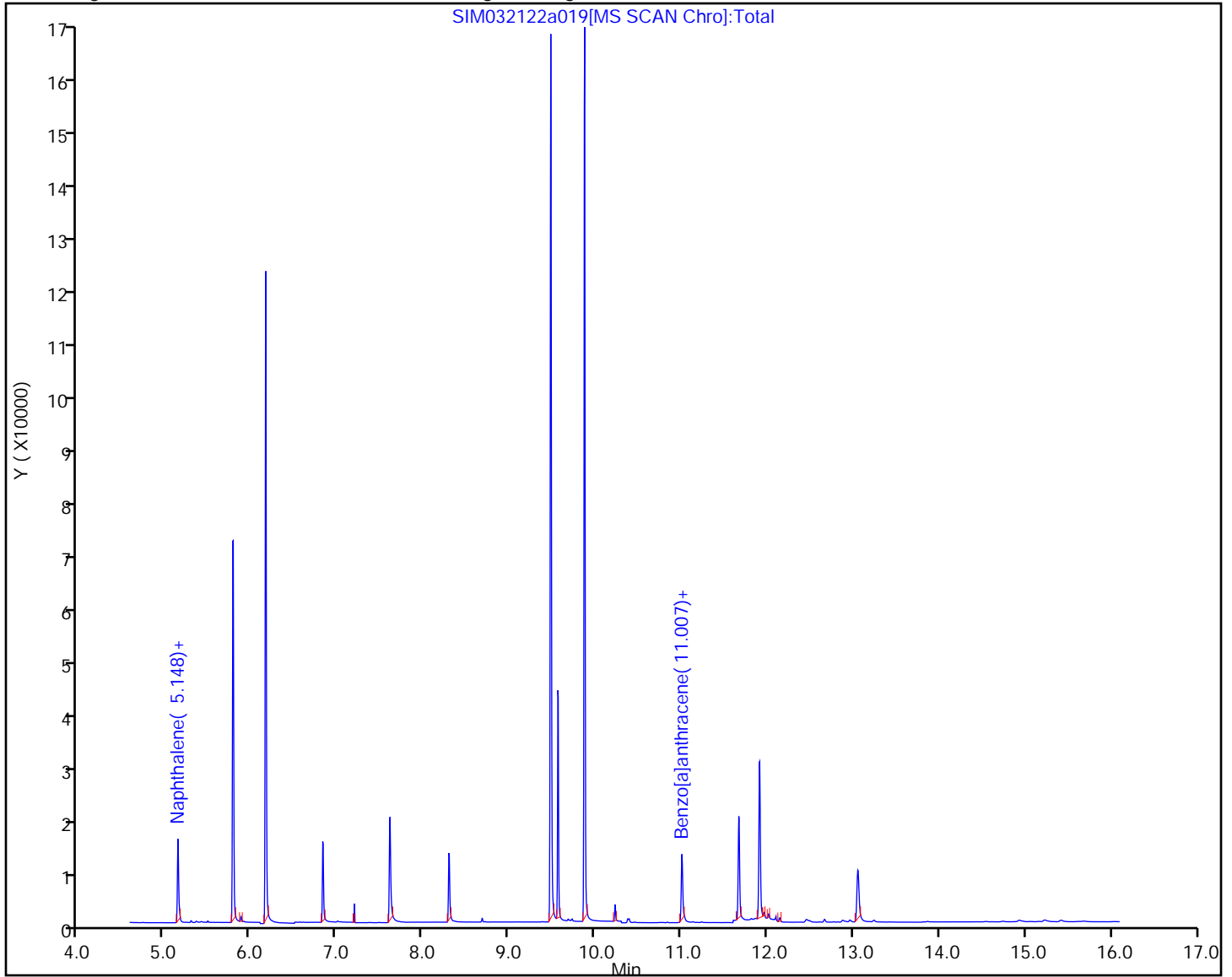
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a019.D
 Lims ID: 580-111436-B-7-A
 Client ID: ERH2775 (RHMW15-05)
 Sample Type: Client
 Inject. Date: 21-Mar-2022 16:39:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-7-A
 Operator ID: tl Instrument ID: TAC050
 Method: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 22-Mar-2022 09:22:33 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1663

First Level Reviewer: limwirojt

Date: 22-Mar-2022 09:22:33

Compound	Amount Added	Amount Recovered	% Rec.
\$ 6 2-methylnaphthalene-d10	1000.0	586.4	58.64
\$ 10 2-Fluorobiphenyl	1000.0	574.9	57.49
\$ 7 2,4,6-Tribromophenol	1000.0	946.3	94.63
\$ 8 Fluoranthene-d10 (Surr)	1000.0	974.1	97.41
\$ 9 Terphenyl-d14	1000.0	1065.0	106.50

Eurofins Seattle

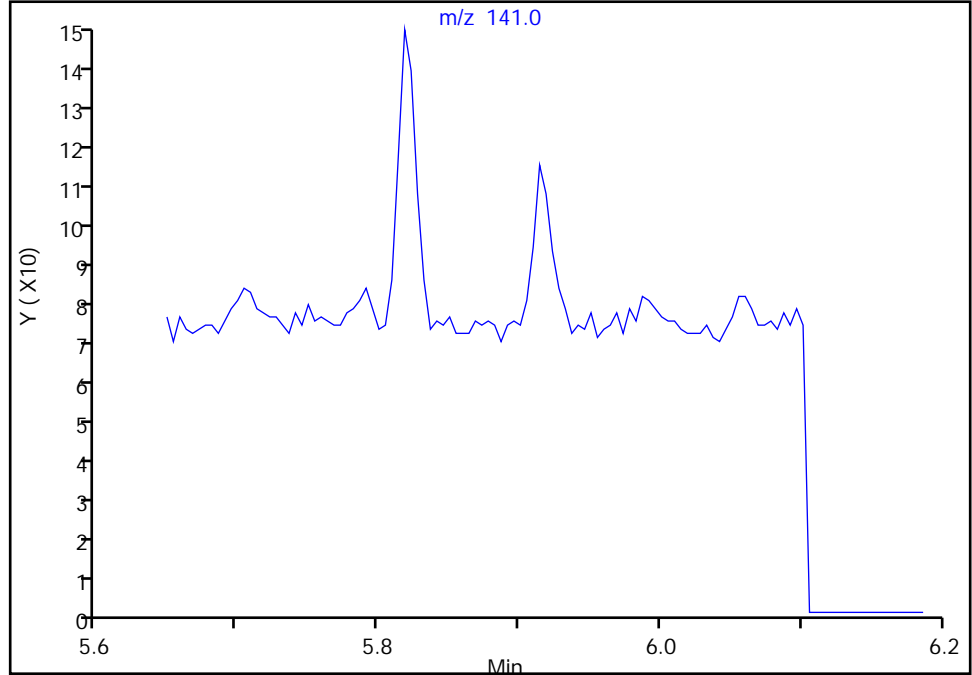
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a019.D
Injection Date: 21-Mar-2022 16:39:30 Instrument ID: TAC050
Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
Client ID: ERH2775 (RHMW15-05)
Operator ID: tl ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

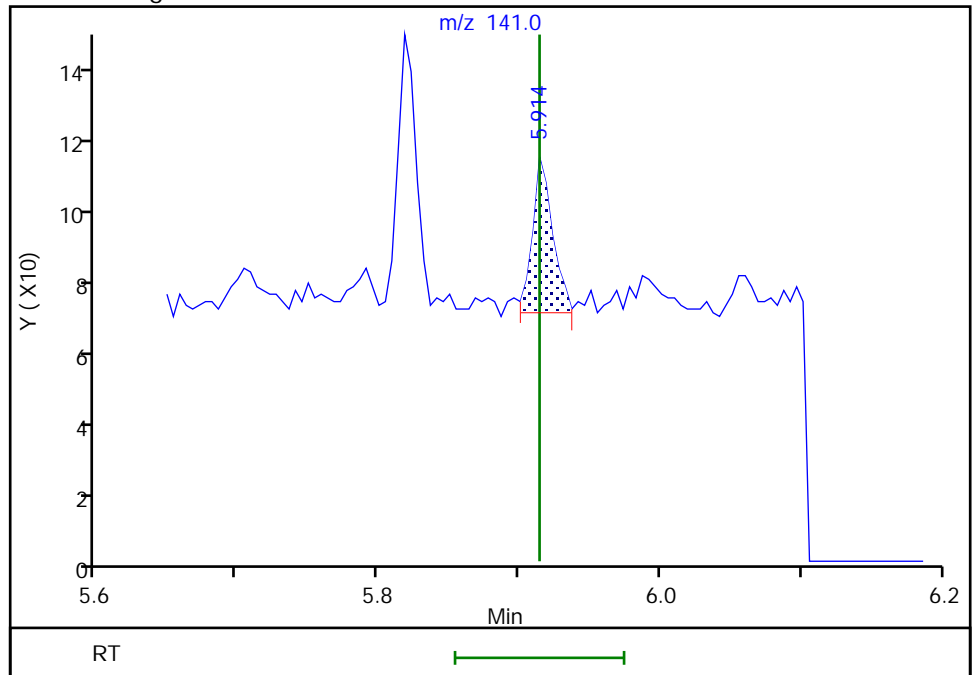
Not Detected
Expected RT: 5.91

Processing Integration Results



Manual Integration Results

RT: 5.91
Area: 41
Amount: 0.452446
Amount Units: ug/L



Reviewer: limwirojt, 22-Mar-2022 09:21:14
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

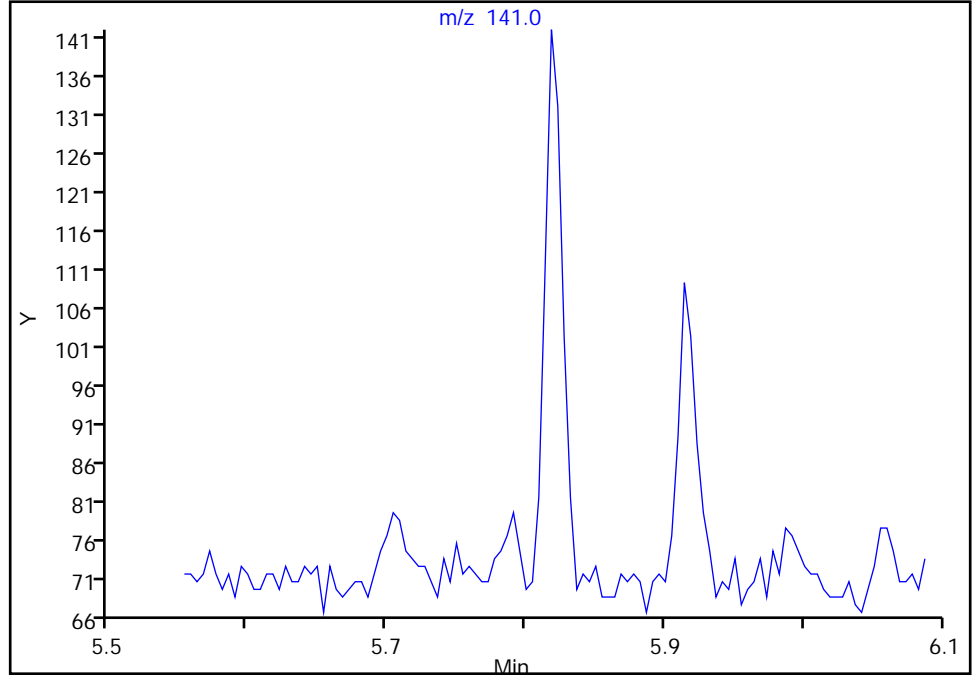
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a019.D
Injection Date: 21-Mar-2022 16:39:30 Instrument ID: TAC050
Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
Client ID: ERH2775 (RHMW15-05)
Operator ID: tl ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

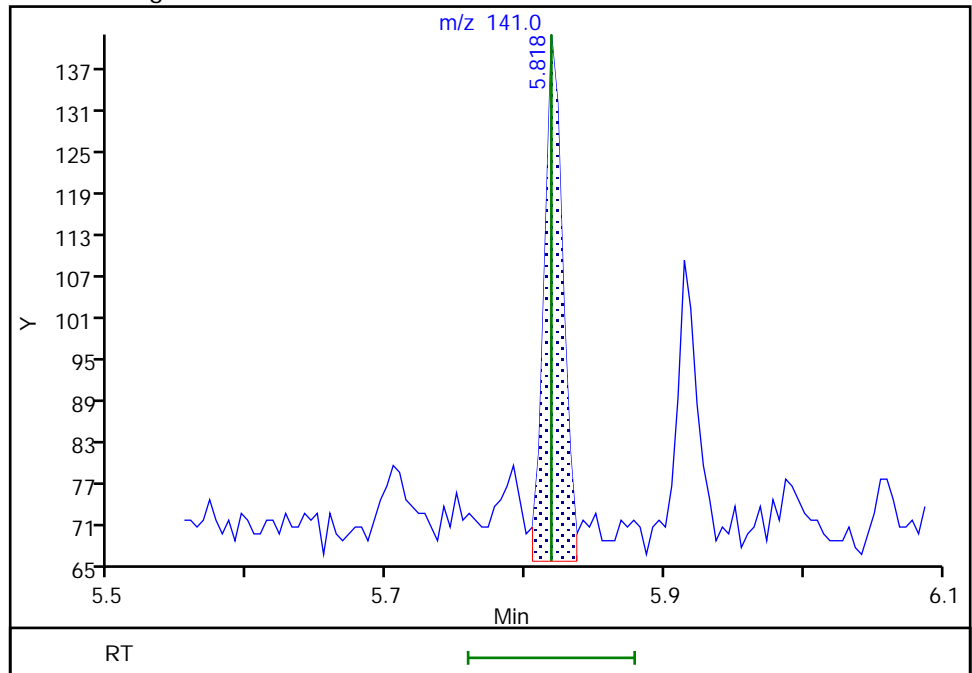
Not Detected
Expected RT: 5.82

Processing Integration Results



RT: 5.82
Area: 72
Amount: 0.769601
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 22-Mar-2022 09:21:09
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

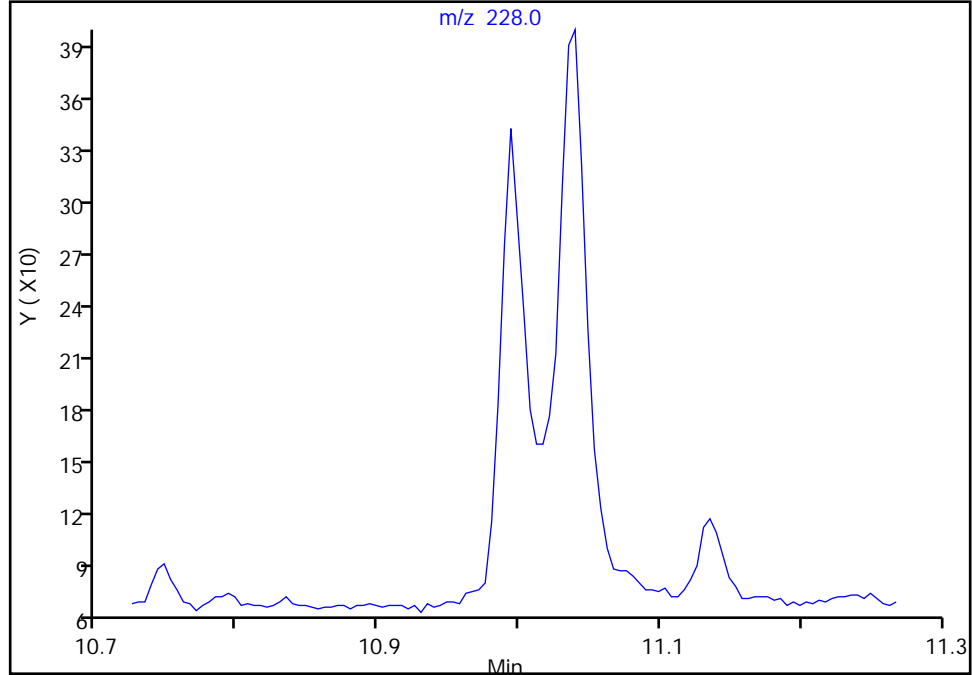
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a019.D
Injection Date: 21-Mar-2022 16:39:30 Instrument ID: TAC050
Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
Client ID: ERH2775 (RHMW15-05)
Operator ID: tl ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

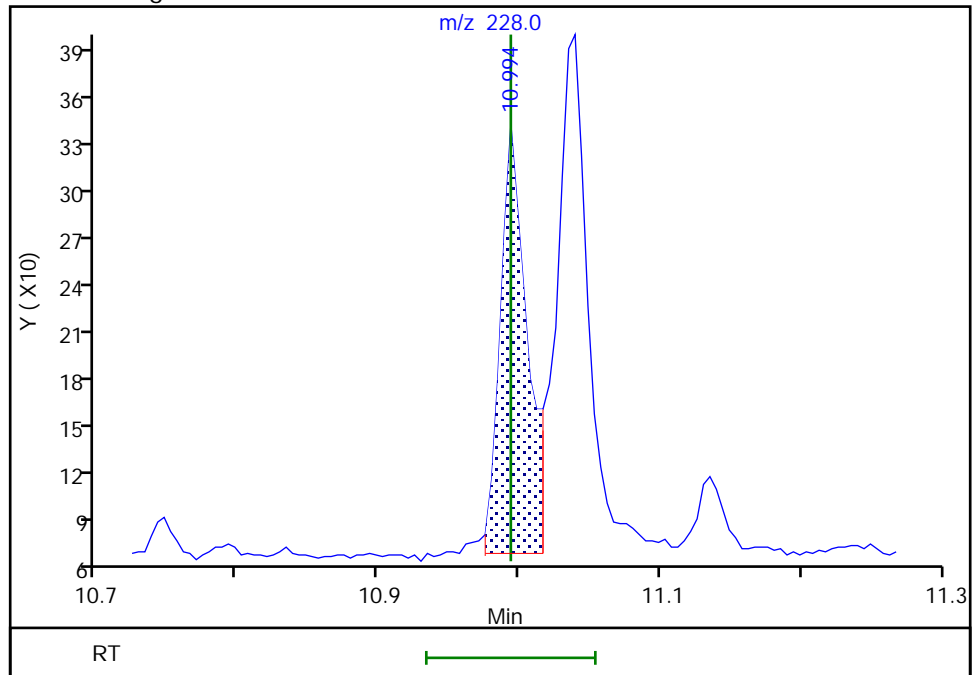
Not Detected
Expected RT: 10.99

Processing Integration Results



RT: 10.99
Area: 352
Amount: 0.682612
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 22-Mar-2022 09:21:38
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

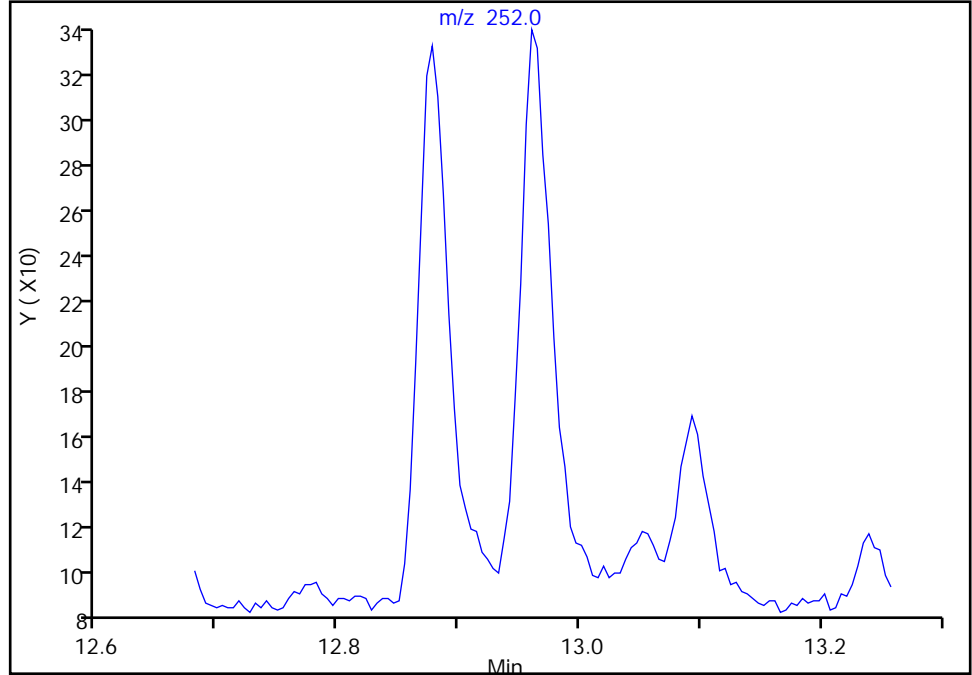
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a019.D
Injection Date: 21-Mar-2022 16:39:30 Instrument ID: TAC050
Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
Client ID: ERH2775 (RHMW15-05)
Operator ID: tl ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

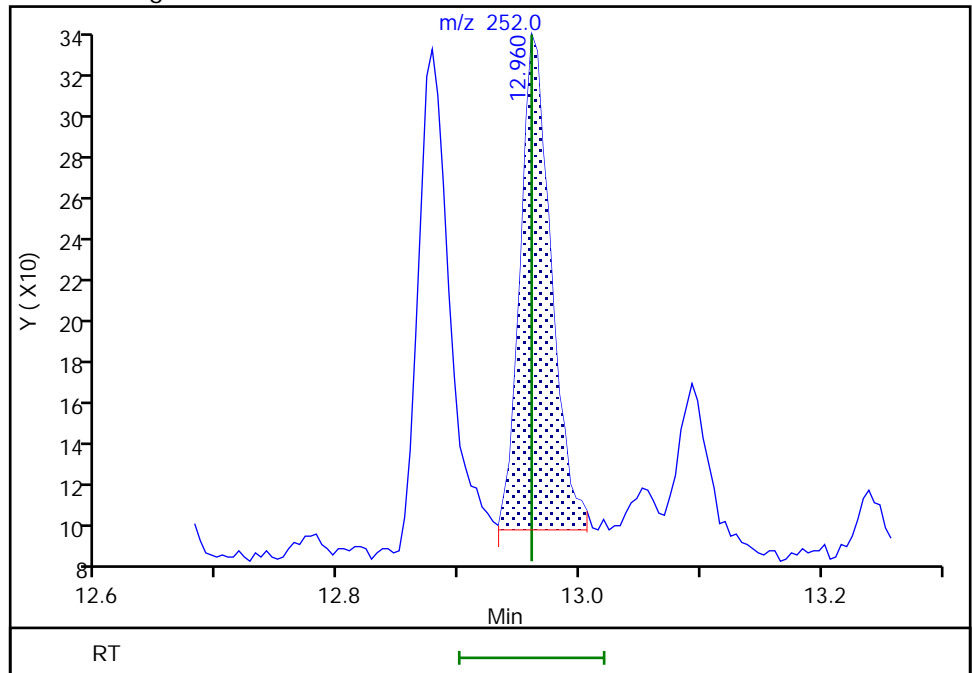
Not Detected
Expected RT: 12.96

Processing Integration Results



RT: 12.96
Area: 419
Amount: 1.370199
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 22-Mar-2022 09:22:08
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

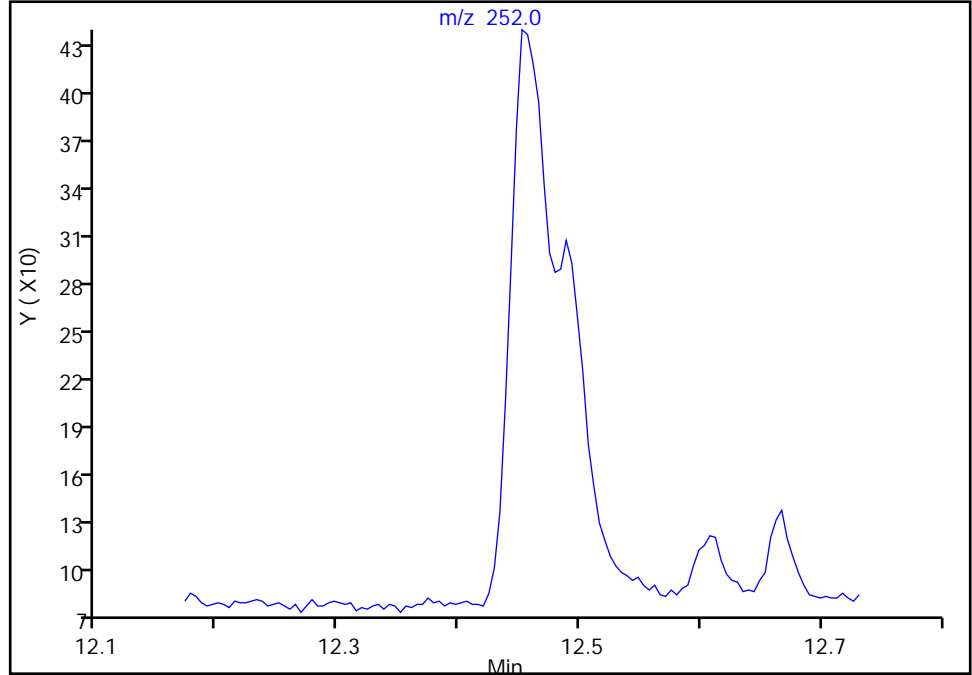
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a019.D
Injection Date: 21-Mar-2022 16:39:30 Instrument ID: TAC050
Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
Client ID: ERH2775 (RHMW15-05)
Operator ID: tl ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

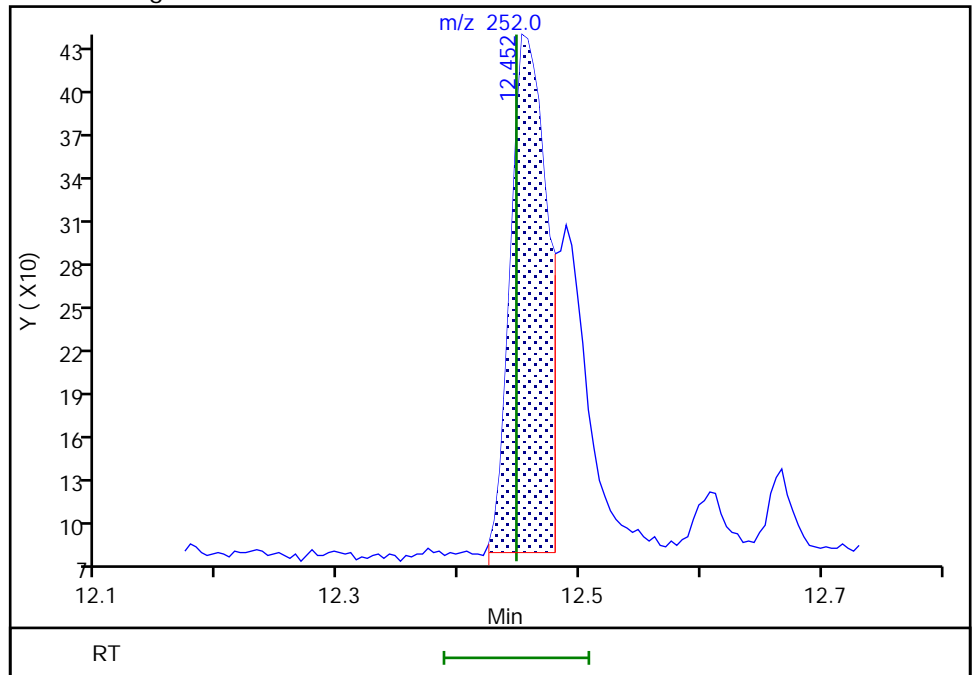
Not Detected
Expected RT: 12.45

Processing Integration Results



Manual Integration Results

RT: 12.45
Area: 732
Amount: 2.996476
Amount Units: ug/L



Reviewer: limwirojt, 22-Mar-2022 09:21:59
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

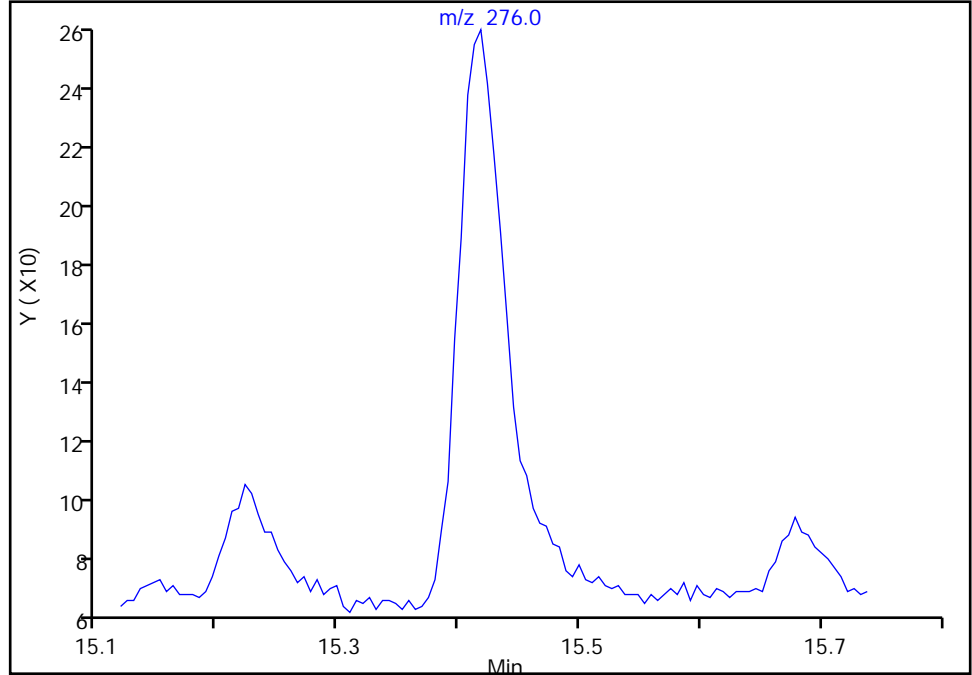
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a019.D
Injection Date: 21-Mar-2022 16:39:30 Instrument ID: TAC050
Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
Client ID: ERH2775 (RHMW15-05)
Operator ID: tl ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

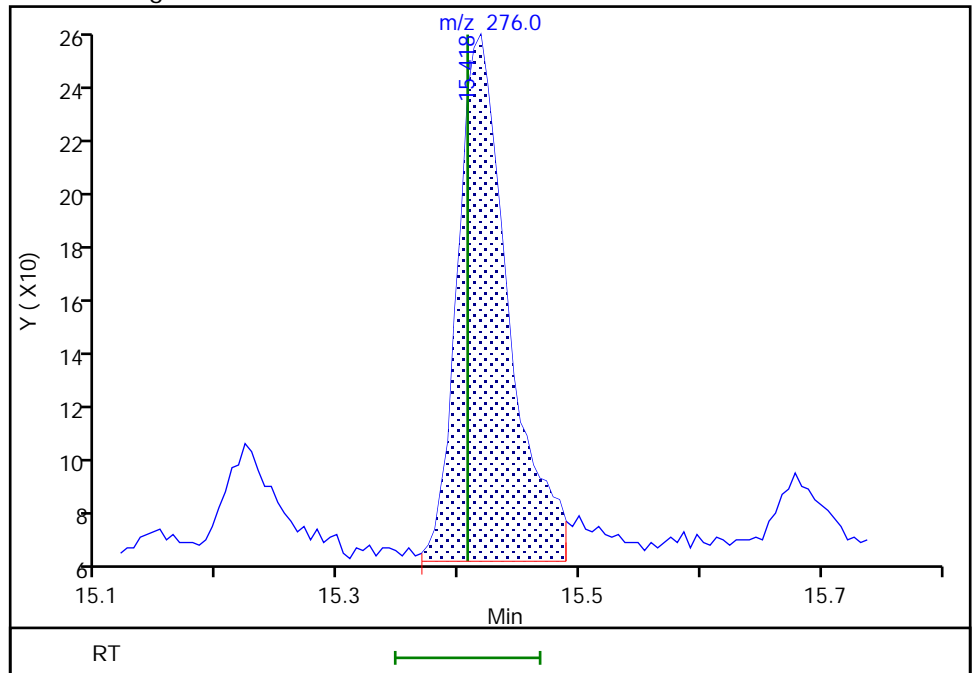
Not Detected
Expected RT: 15.41

Processing Integration Results



Manual Integration Results

RT: 15.42
Area: 573
Amount: 2.138645
Amount Units: ug/L



Reviewer: limwirojt, 22-Mar-2022 09:22:28
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

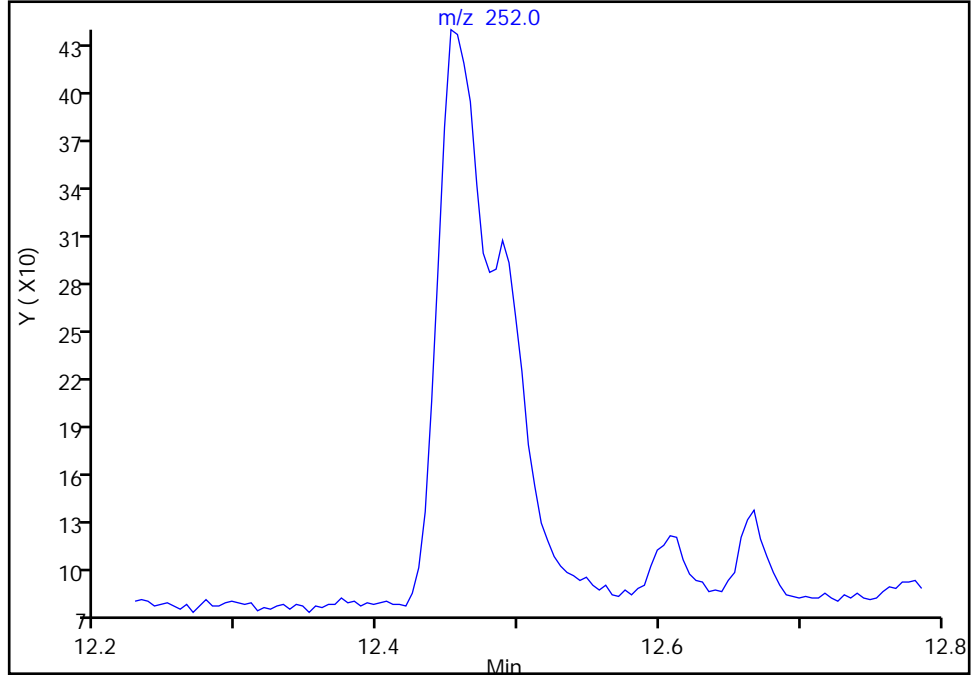
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a019.D
Injection Date: 21-Mar-2022 16:39:30 Instrument ID: TAC050
Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
Client ID: ERH2775 (RHMW15-05)
Operator ID: tl ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

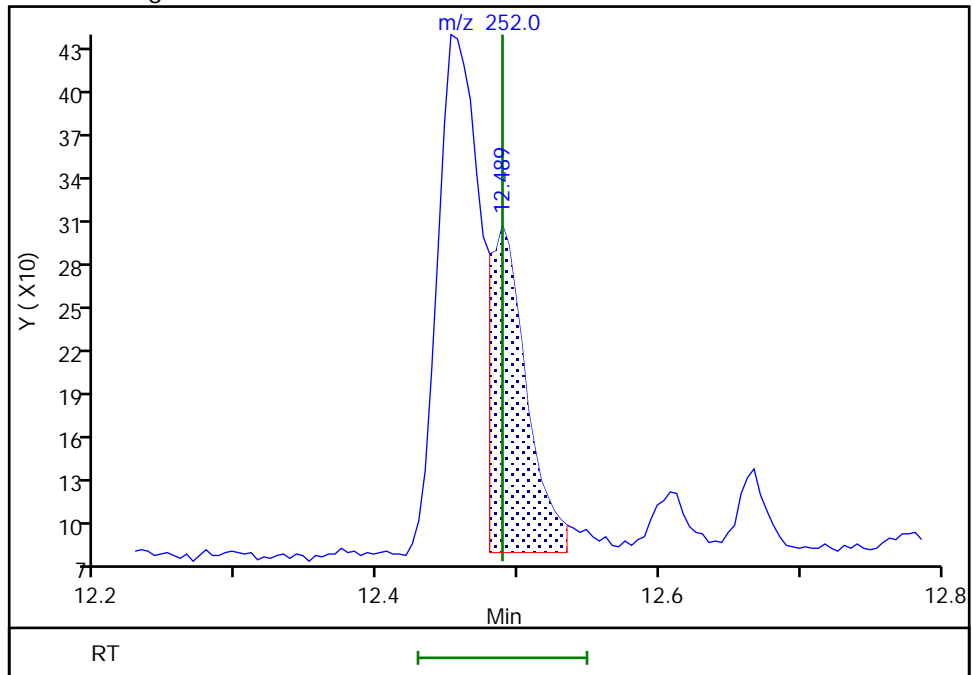
Not Detected
Expected RT: 12.49

Processing Integration Results



Manual Integration Results

RT: 12.49
Area: 384
Amount: 0.994756
Amount Units: ug/L



Reviewer: limwirojt, 22-Mar-2022 09:22:03
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

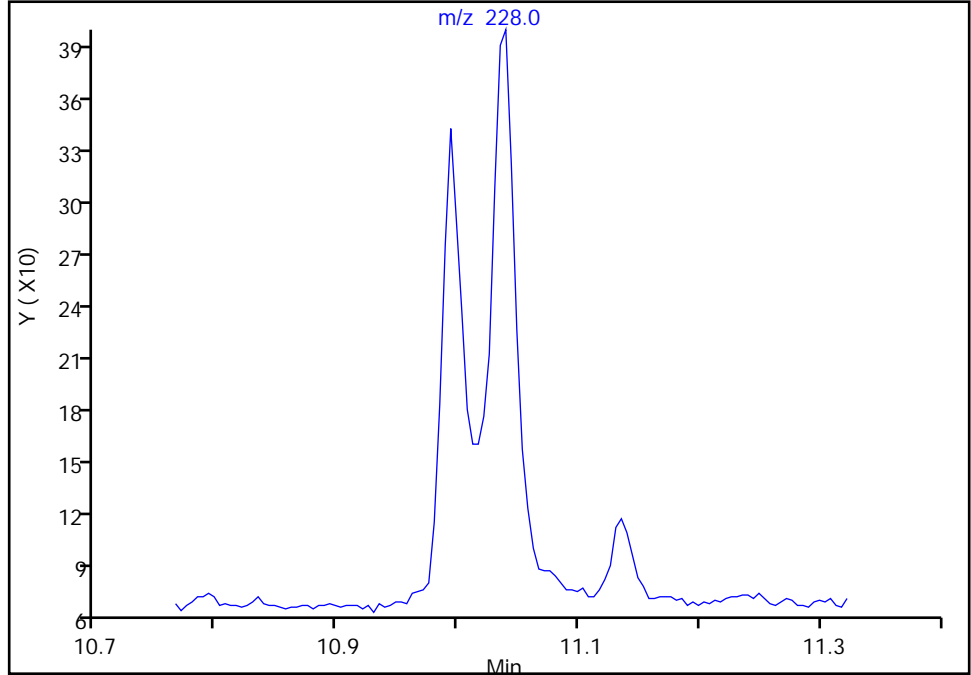
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a019.D
Injection Date: 21-Mar-2022 16:39:30 Instrument ID: TAC050
Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
Client ID: ERH2775 (RHMW15-05)
Operator ID: tl ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Chrysene, CAS: 218-01-9

Signal: 1

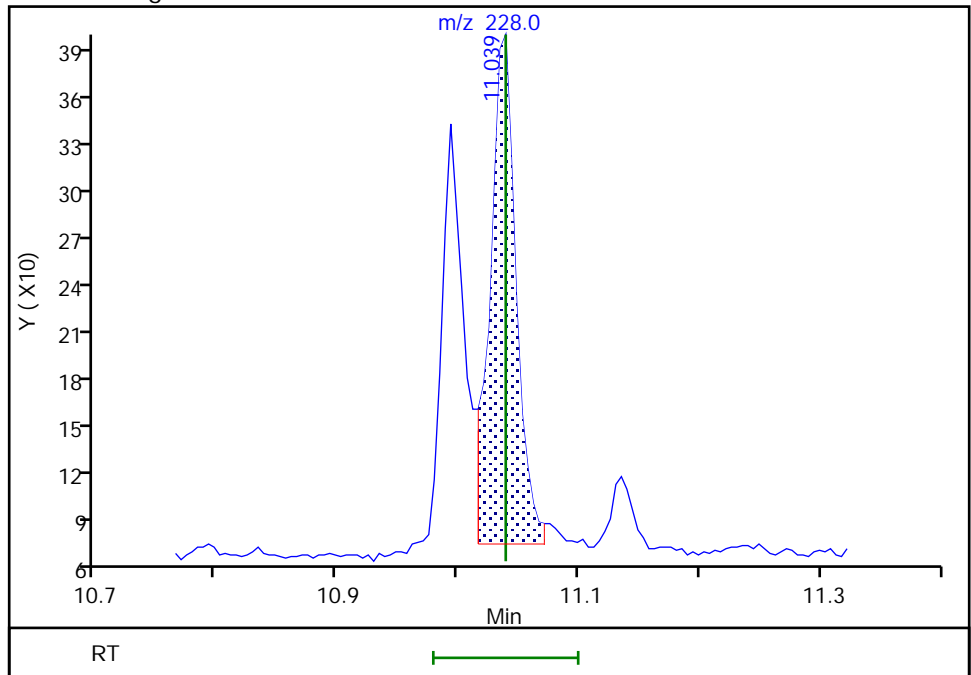
Not Detected
Expected RT: 11.04

Processing Integration Results



Manual Integration Results

RT: 11.04
Area: 474
Amount: 1.089417
Amount Units: ug/L



Reviewer: limwirojt, 22-Mar-2022 09:21:43
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

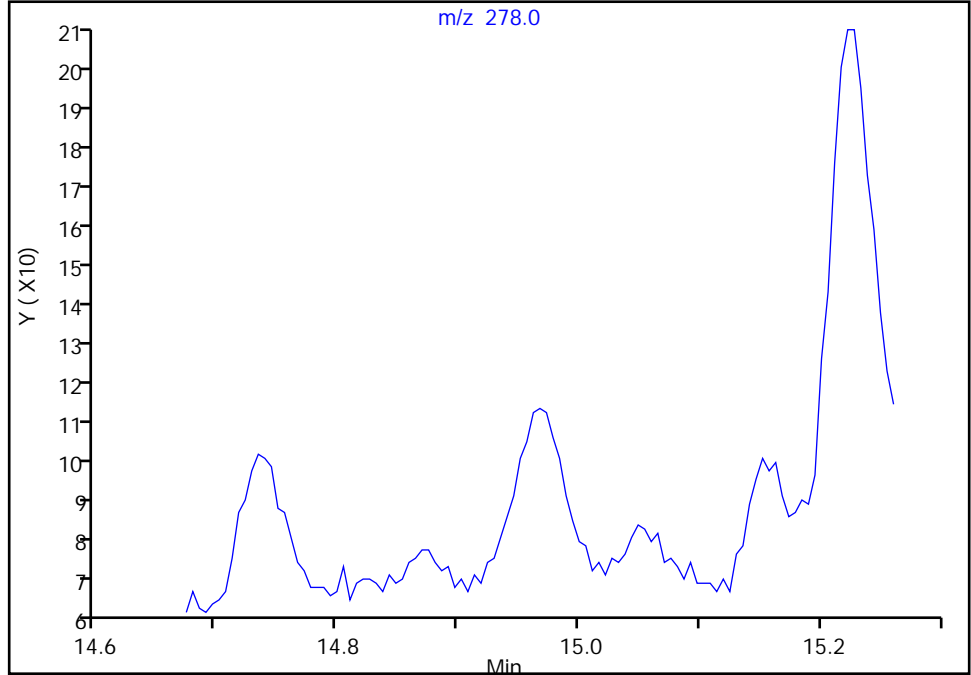
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a019.D
Injection Date: 21-Mar-2022 16:39:30 Instrument ID: TAC050
Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
Client ID: ERH2775 (RHMW15-05)
Operator ID: tl ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

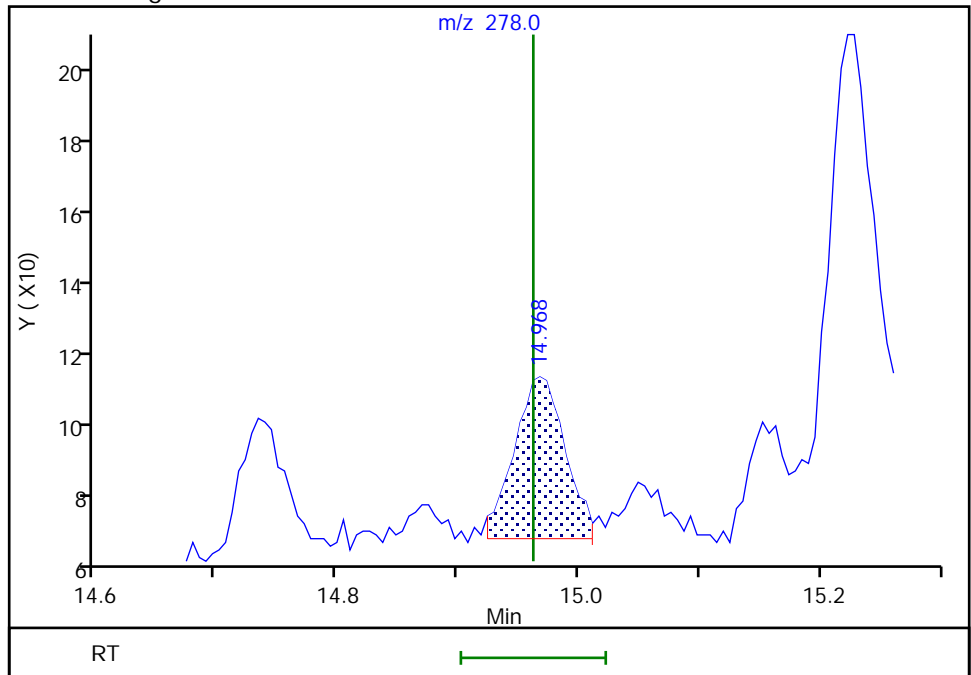
Not Detected
Expected RT: 14.96

Processing Integration Results



Manual Integration Results

RT: 14.97
Area: 124
Amount: 0.066317
Amount Units: ug/L



Reviewer: limwirojt, 22-Mar-2022 09:22:22
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

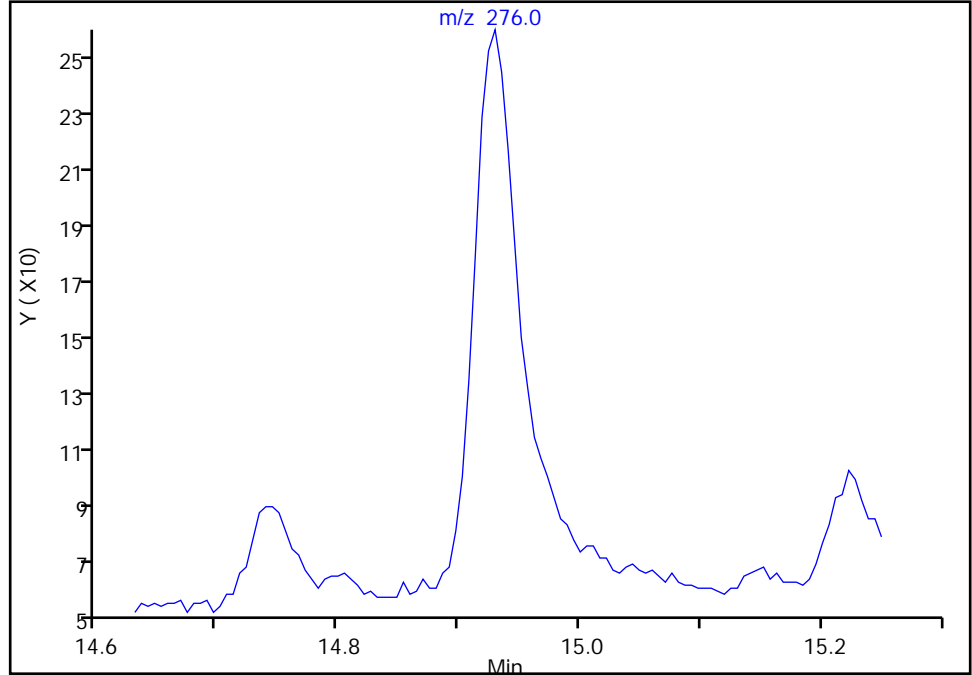
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a019.D
Injection Date: 21-Mar-2022 16:39:30 Instrument ID: TAC050
Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
Client ID: ERH2775 (RHMW15-05)
Operator ID: tl ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

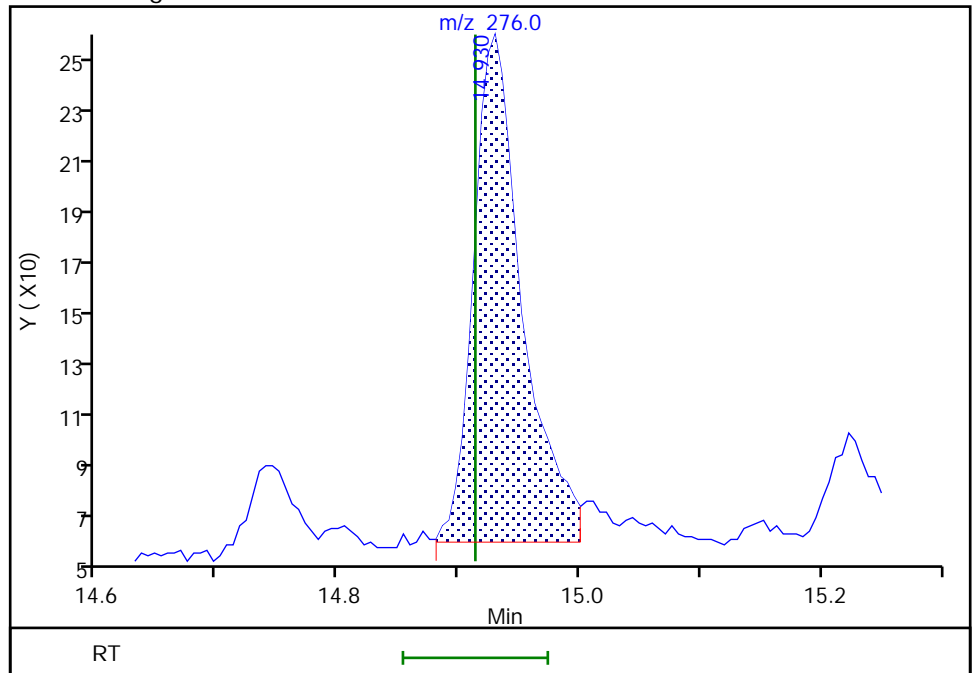
Not Detected
Expected RT: 14.91

Processing Integration Results



Manual Integration Results

RT: 14.93
Area: 518
Amount: 3.438238
Amount Units: ug/L



Reviewer: limwirojt, 22-Mar-2022 09:22:15
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

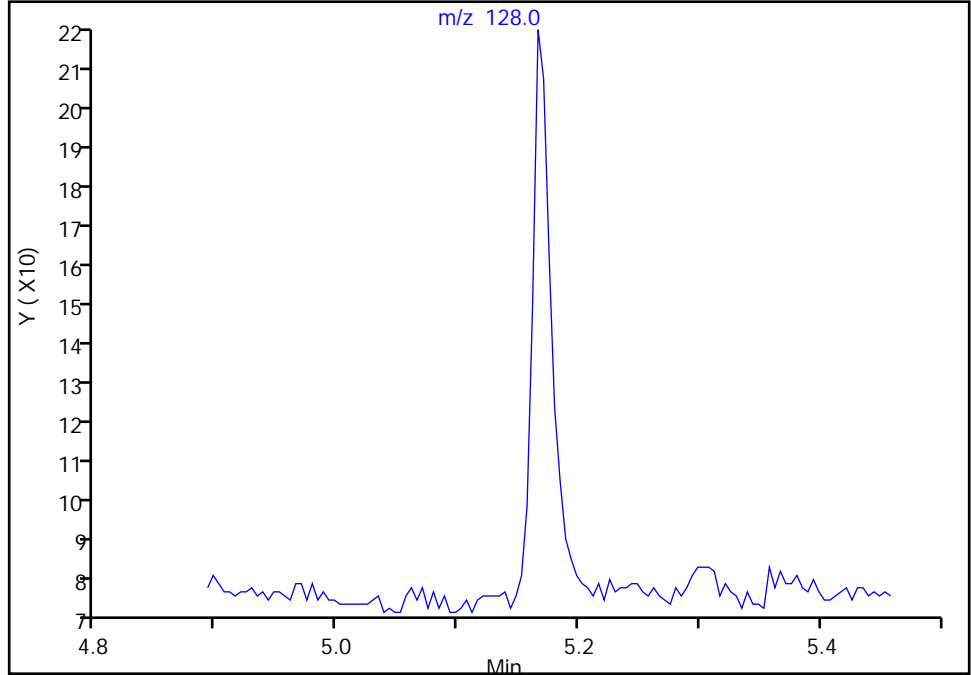
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a019.D
Injection Date: 21-Mar-2022 16:39:30 Instrument ID: TAC050
Lims ID: 580-111436-B-7-A Lab Sample ID: 580-111436-7
Client ID: ERH2775 (RHMW15-05)
Operator ID: tl ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

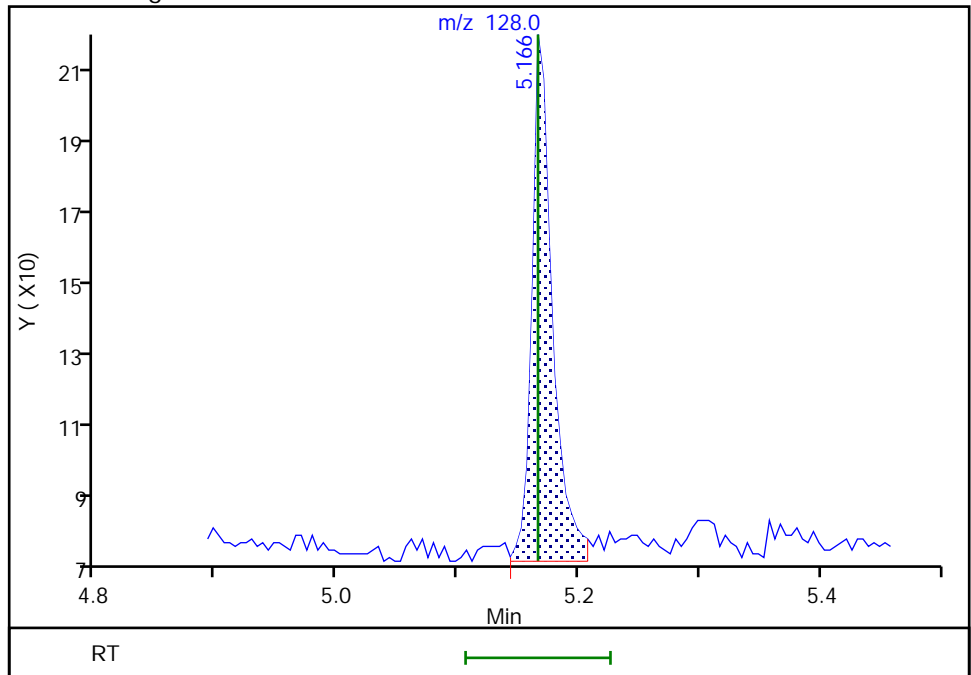
Not Detected
Expected RT: 5.17

Processing Integration Results



Manual Integration Results

RT: 5.17
Area: 165
Amount: 1.000231
Amount Units: ug/L



Reviewer: limwirojt, 22-Mar-2022 09:21:04
Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2800 (RHMW14-3) Lab Sample ID: 580-111436-8
 Matrix: Water Lab File ID: 032522b020.D
 Analysis Method: 8270E SIM Date Collected: 03/15/2022 10:00
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 990.3(mL) Date Analyzed: 03/25/2022 22:24
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 385175 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.081	U M	0.20	0.081	0.039
83-32-9	Acenaphthene	0.032	U	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U	0.050	0.032	0.0091
120-12-7	Anthracene	0.081	U M	0.10	0.081	0.022
56-55-3	Benzo[a]anthracene	0.032	U M	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U M	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U M	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U M	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U M	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U M	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U M	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U M	0.050	0.032	0.014
91-20-3	Naphthalene	0.081	U M	0.10	0.081	0.031
85-01-8	Phenanthrene	0.081	U M	0.10	0.081	0.031
129-00-0	Pyrene	0.081	U M	0.10	0.081	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	68		40-140
93951-69-0	Fluoranthene-d10 (Surr)	100		40-140
1718-51-0	Terphenyl-d14	113		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b020.D
 Lims ID: 580-111436-B-8-A
 Client ID: ERH2800 (RHMW14-3)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 22:24:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-8-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 10:48:14 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 10:48:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	58587	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	77036	100.0	
* 3 Acenaphthene-d10	164	8.183	8.183	0.000	1	36458	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	60458	100.0	
* 5 Chrysene-d12	240	11.599	11.599	0.000	1	48692	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	56354	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.300	0.000	98	284938	675.1	
\$ 8 2-Fluorobiphenyl	172	7.642	7.643	0.000	1	362683	647.0	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	64021	899.4	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	577723	997.0	
\$ 11 Terphenyl-d14	244	10.716	10.716	0.000	1	466397	1125.6	
12 Naphthalene	128	6.744	6.744	0.000	1	674	0.8422	M
13 2-Methylnaphthalene	142	7.326	7.331	-0.005	1	405	0.8455	M
18 Pentachlorophenol	266	9.248	9.242	0.006	1	169	100.6	M
19 Phenanthrene	178	9.418	9.419	0.000	1	814	1.15	M
20 Anthracene	178	9.463	9.463	-0.001	1	295	0.9754	M
21 Fluoranthene	202	10.391	10.391	0.000	1	950	1.38	M
22 Pyrene	202	10.572	10.572	0.000	8	3159	4.38	M
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	1132	2.08	M
24 Chrysene	228	11.621	11.621	0.000	1	2200	2.93	M
25 Benzo[b]fluoranthene	252	12.699	12.700	-0.001	1	703	1.05	M
27 Benzo[a]pyrene	252	13.073	13.073	0.000	1	569	0.9354	M
28 Indeno[1,2,3-cd]pyrene	276	14.445	14.451	-0.006	1	240	0.4336	M
30 Benzo[g,h,i]perylene	276	14.775	14.780	-0.005	0	548	0.7093	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MecI2_CT_00215

Amount Added: 1.00

Units: uL

Run Reagent

8270SIM_IS_00070

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b020.D

Injection Date: 25-Mar-2022 22:24:30

Instrument ID: SEA101

Lims ID: 580-111436-B-8-A

Lab Sample ID: 580-111436-8

Client ID: ERH2800 (RHMW14-3)

Operator ID: tl

ALS Bottle#: 15

Worklist Smp#: 15

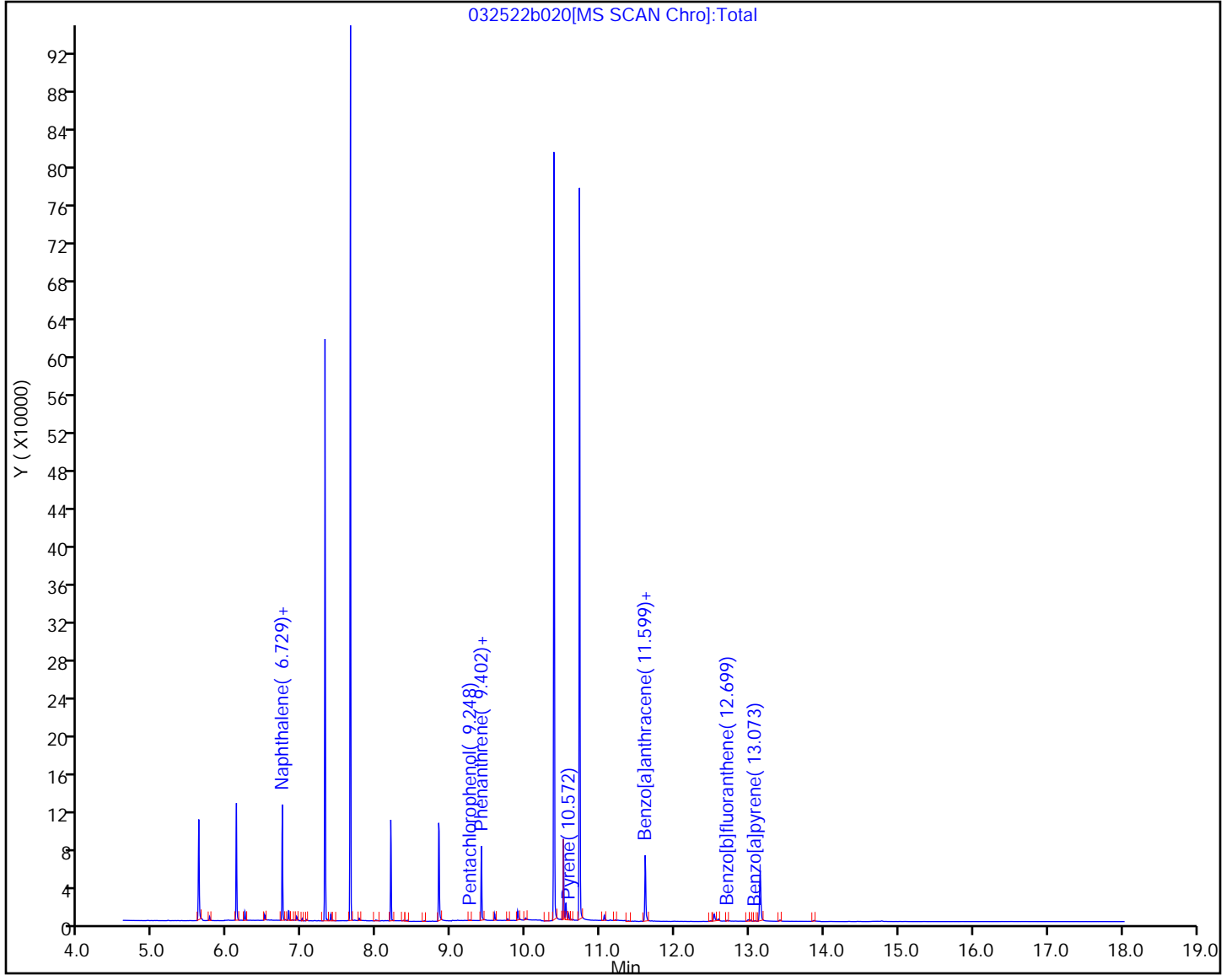
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b020.D
 Lims ID: 580-111436-B-8-A
 Client ID: ERH2800 (RHMW14-3)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 22:24:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-B-8-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 10:48:14 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 10:48:14

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-methylnaphthalene-d10	1000.0	675.1	67.51
\$ 8 2-Fluorobiphenyl	1000.0	647.0	64.70
\$ 9 2,4,6-Tribromophenol	1000.0	899.4	89.94
\$ 10 Fluoranthene-d10 (Surr)	1000.0	997.0	99.70
\$ 11 Terphenyl-d14	1000.0	1125.6	112.56

Eurofins Seattle

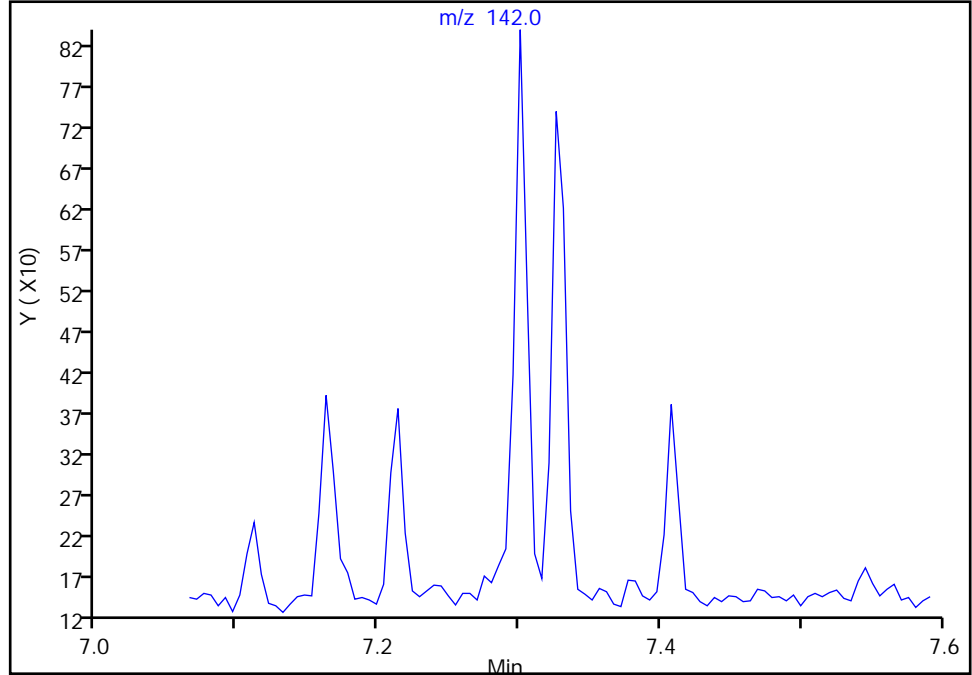
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b020.D
Injection Date: 25-Mar-2022 22:24:30 Instrument ID: SEA101
Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
Client ID: ERH2800 (RHMW14-3)
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

13 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

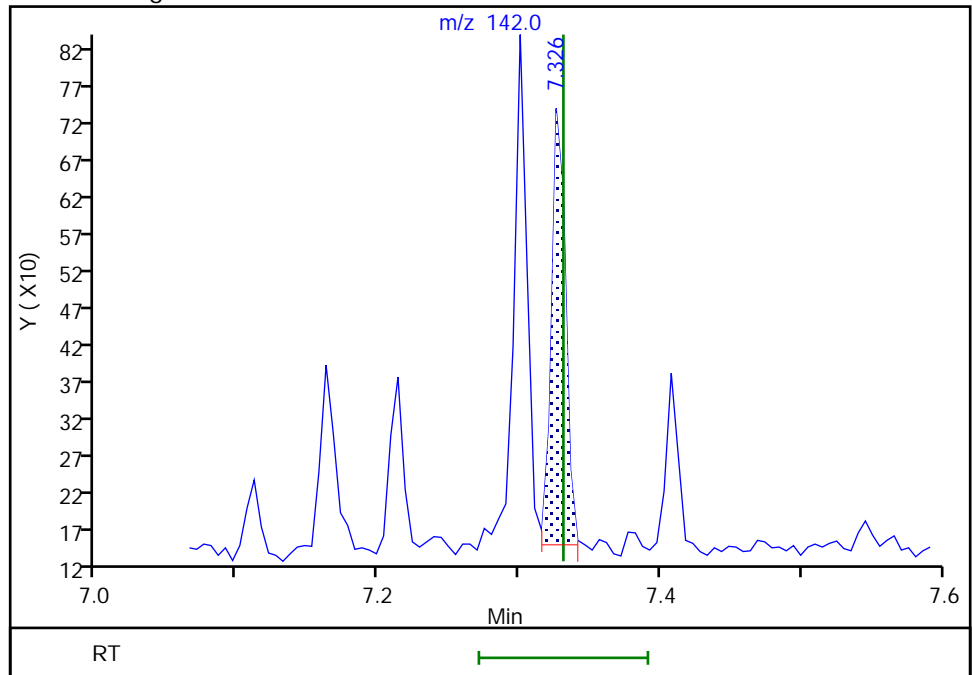
Not Detected
Expected RT: 7.33

Processing Integration Results



RT: 7.33
Area: 405
Amount: 0.845450
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:46:22
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

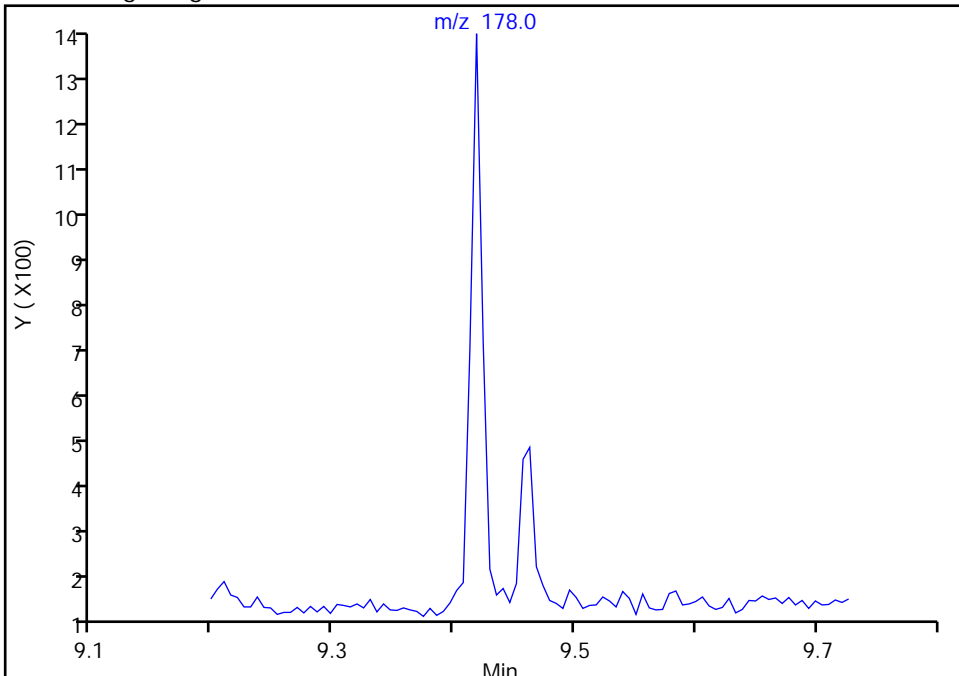
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b020.D
Injection Date: 25-Mar-2022 22:24:30 Instrument ID: SEA101
Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
Client ID: ERH2800 (RHMW14-3)
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Anthracene, CAS: 120-12-7

Signal: 1

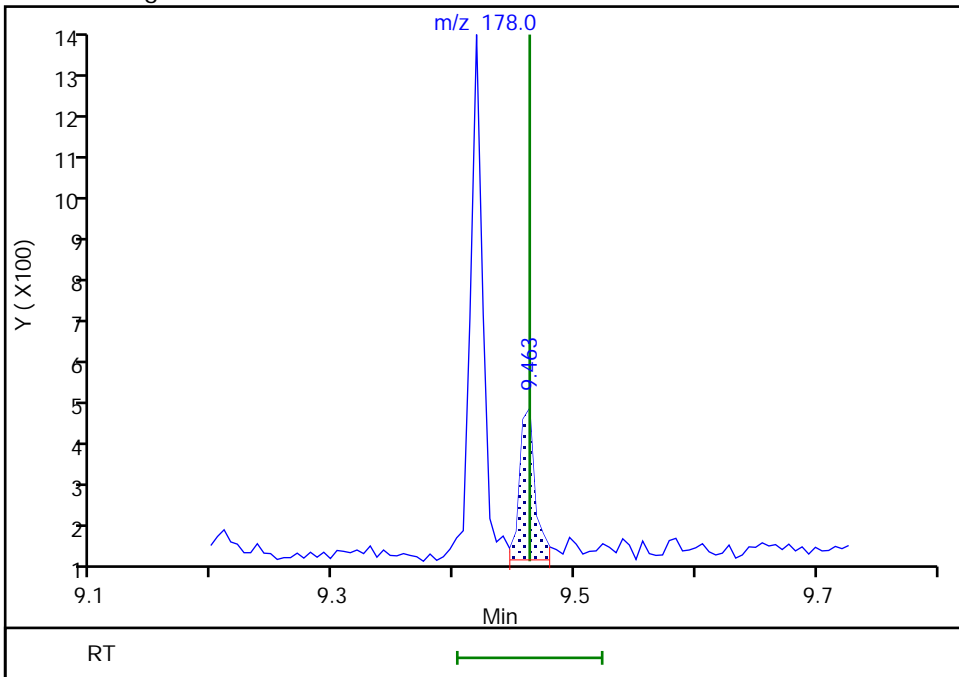
Not Detected
Expected RT: 9.46

Processing Integration Results



Manual Integration Results

RT: 9.46
Area: 295
Amount: 0.975363
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:46:58
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

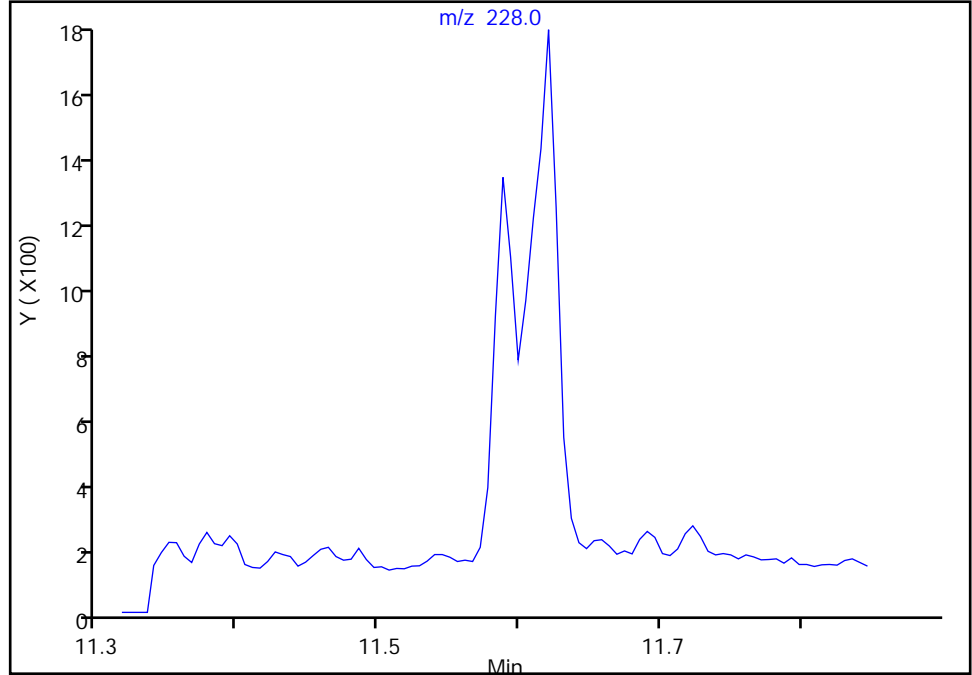
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b020.D
Injection Date: 25-Mar-2022 22:24:30 Instrument ID: SEA101
Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
Client ID: ERH2800 (RHMW14-3)
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

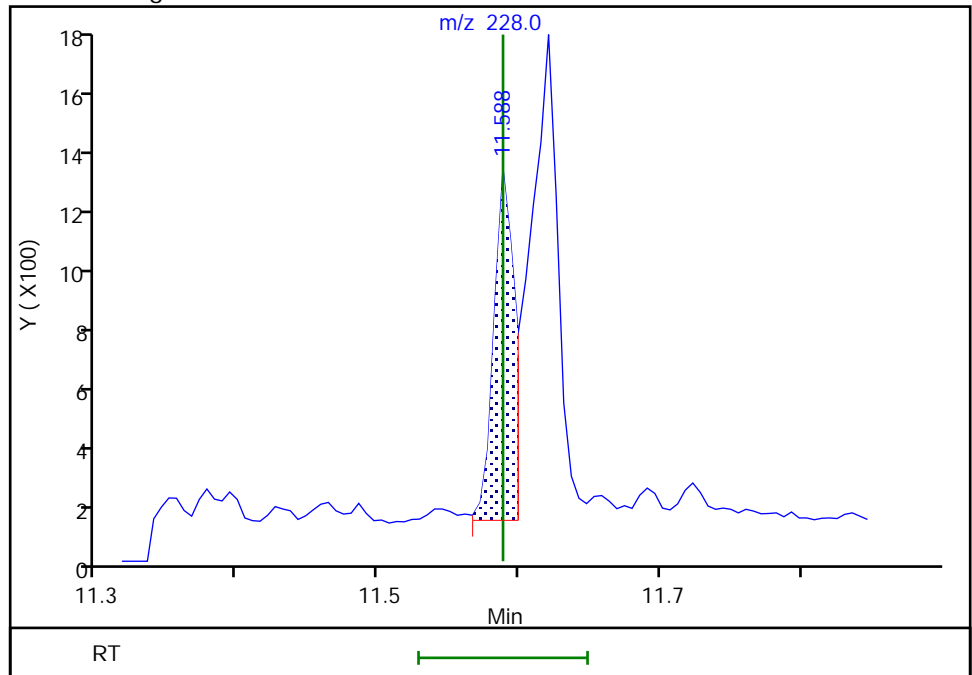
Not Detected
Expected RT: 11.59

Processing Integration Results



Manual Integration Results

RT: 11.59
Area: 1132
Amount: 2.081855
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:47:19
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

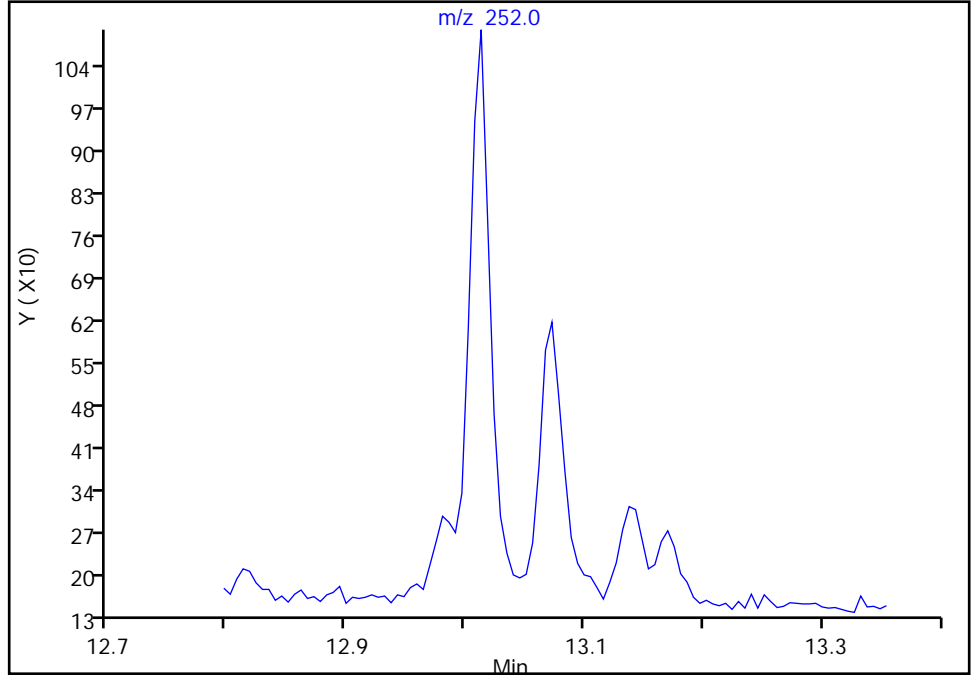
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b020.D
Injection Date: 25-Mar-2022 22:24:30 Instrument ID: SEA101
Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
Client ID: ERH2800 (RHMW14-3)
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

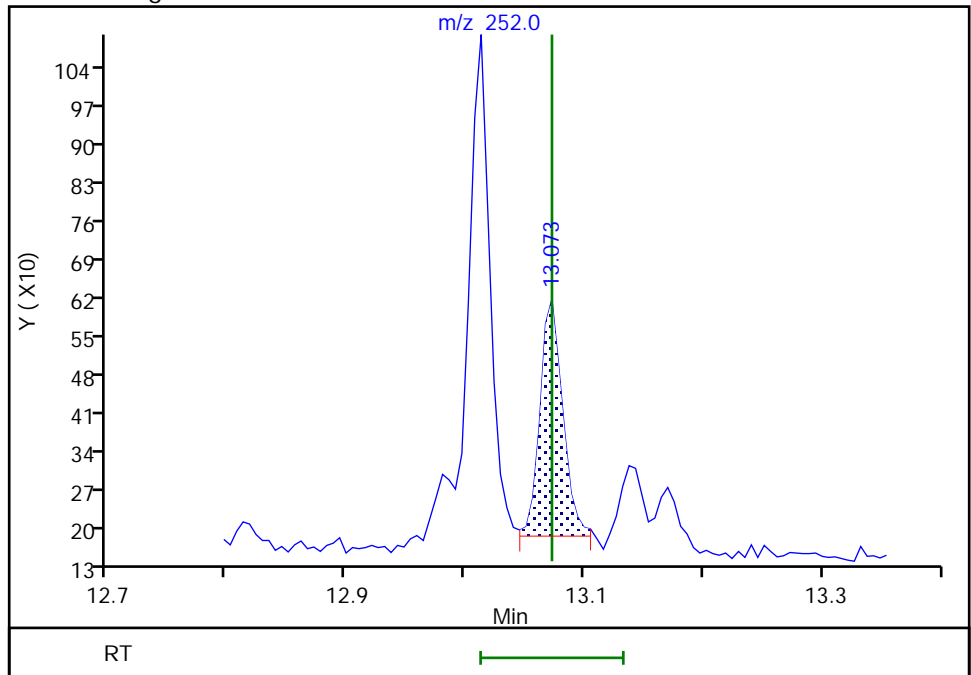
Not Detected
Expected RT: 13.07

Processing Integration Results



Manual Integration Results

RT: 13.07
Area: 569
Amount: 0.935360
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:47:54
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

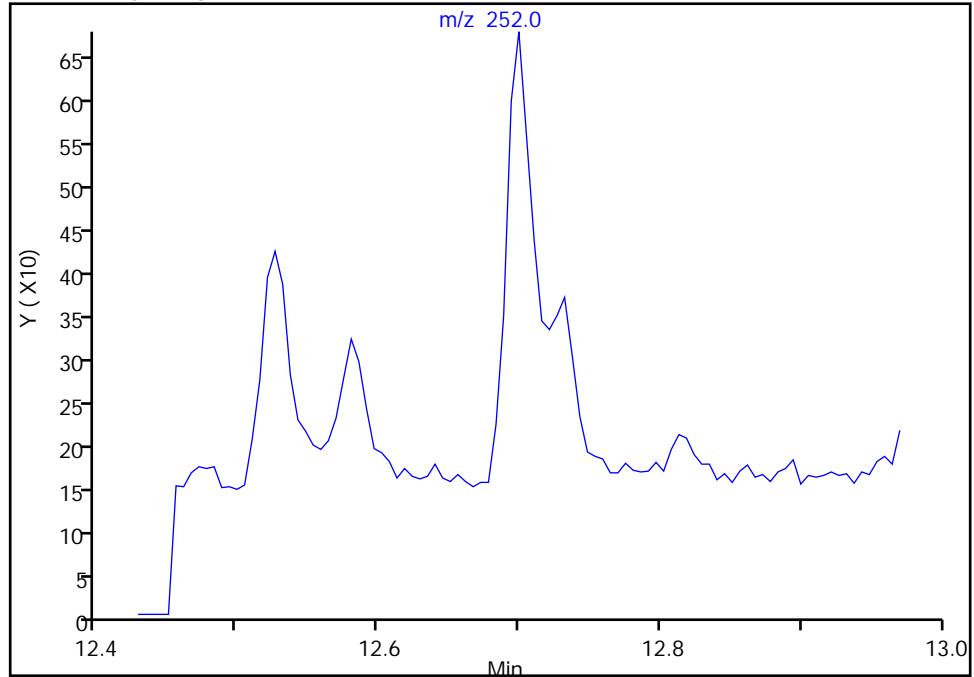
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b020.D
Injection Date: 25-Mar-2022 22:24:30 Instrument ID: SEA101
Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
Client ID: ERH2800 (RHMW14-3)
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

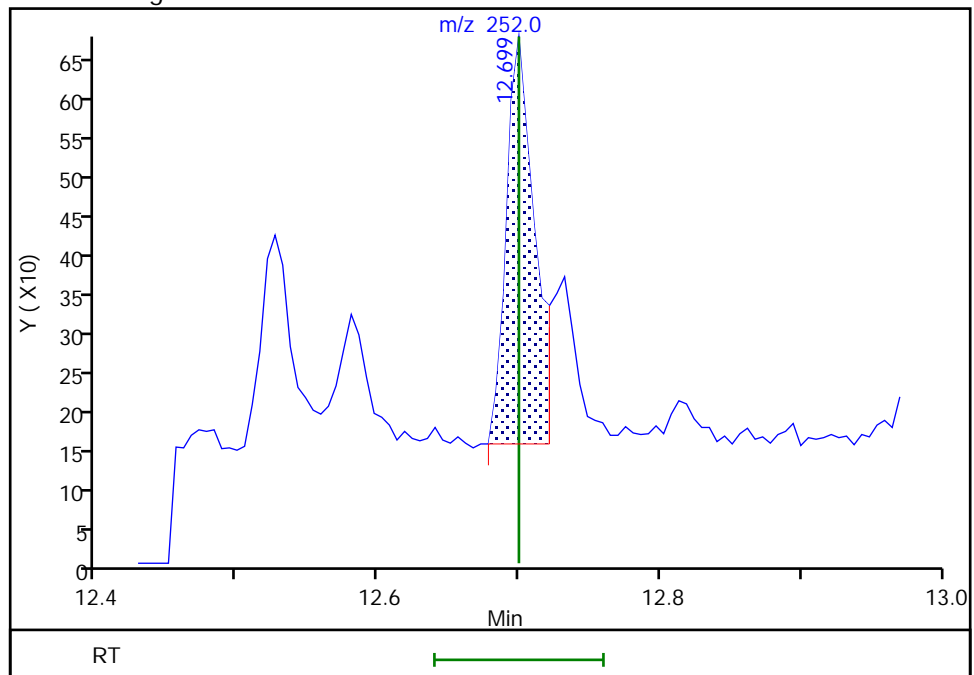
Not Detected
Expected RT: 12.70

Processing Integration Results



Manual Integration Results

RT: 12.70
Area: 703
Amount: 1.050256
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:47:35
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

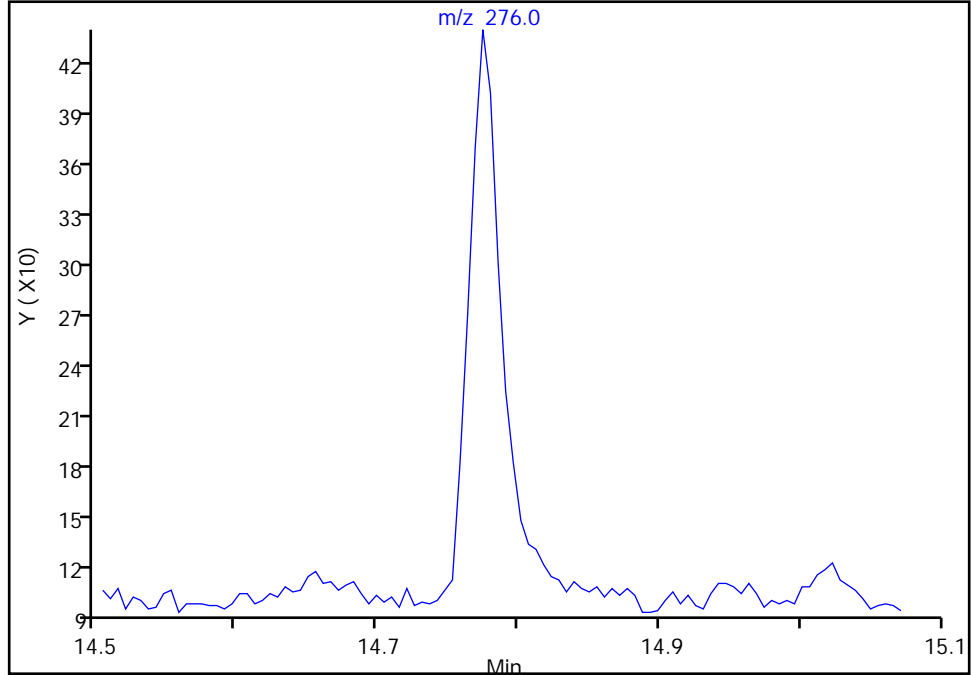
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b020.D
Injection Date: 25-Mar-2022 22:24:30 Instrument ID: SEA101
Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
Client ID: ERH2800 (RHMW14-3)
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

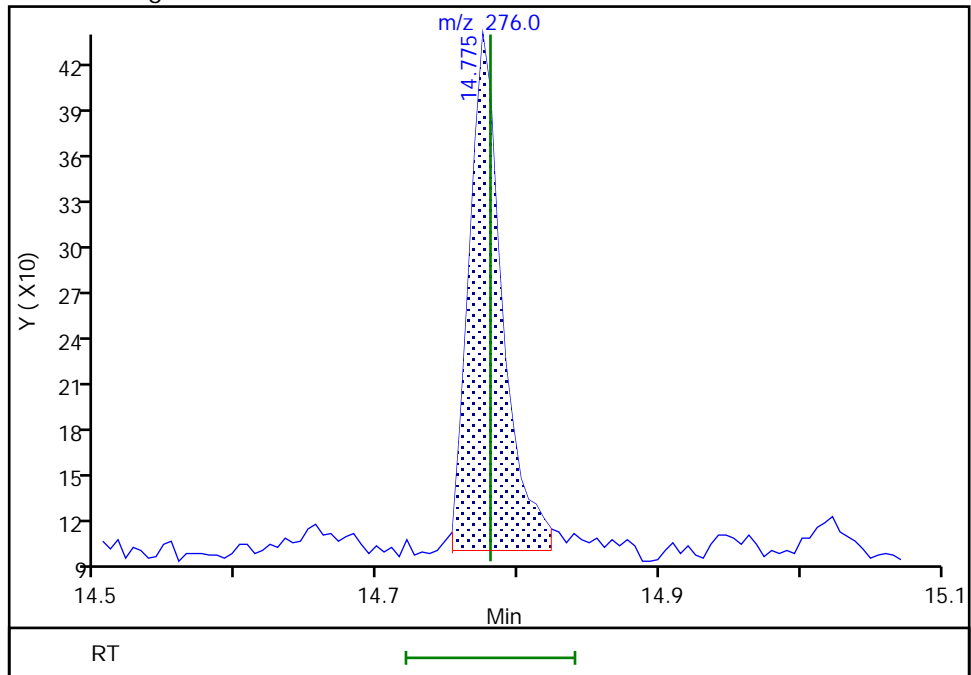
Not Detected
Expected RT: 14.78

Processing Integration Results



Manual Integration Results

RT: 14.77
Area: 548
Amount: 0.709276
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:48:12
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

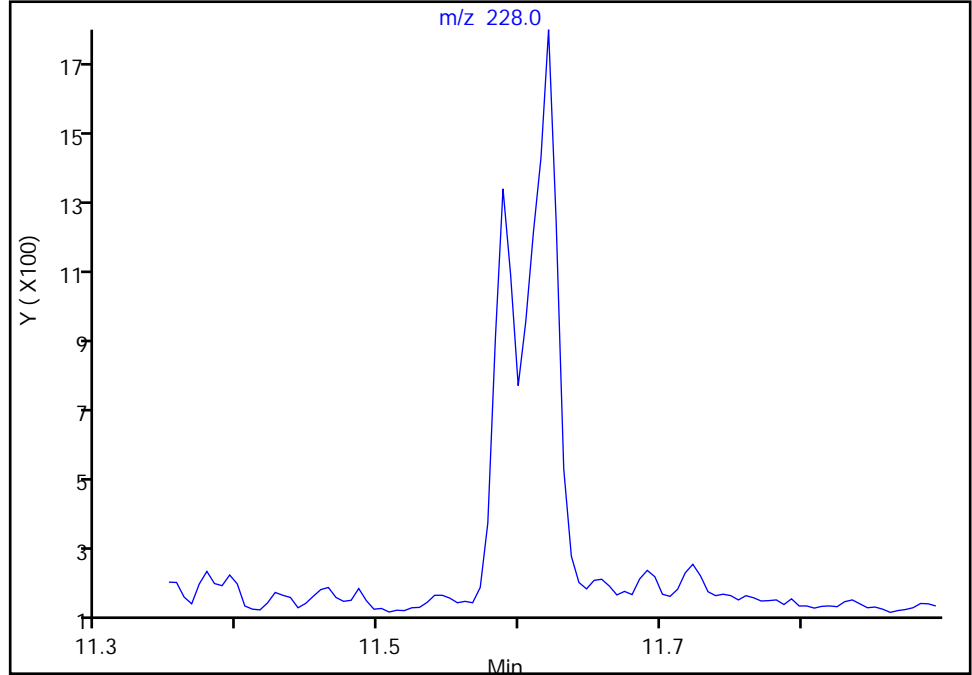
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b020.D
Injection Date: 25-Mar-2022 22:24:30 Instrument ID: SEA101
Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
Client ID: ERH2800 (RHMW14-3)
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Chrysene, CAS: 218-01-9

Signal: 1

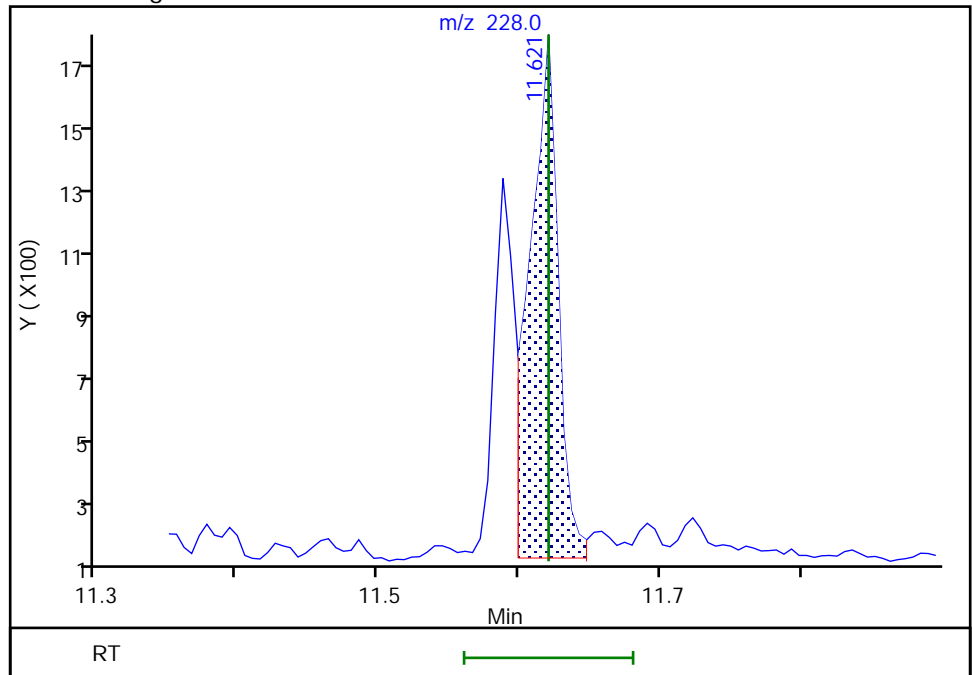
Not Detected
Expected RT: 11.62

Processing Integration Results



Manual Integration Results

RT: 11.62
Area: 2200
Amount: 2.925927
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:47:26
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

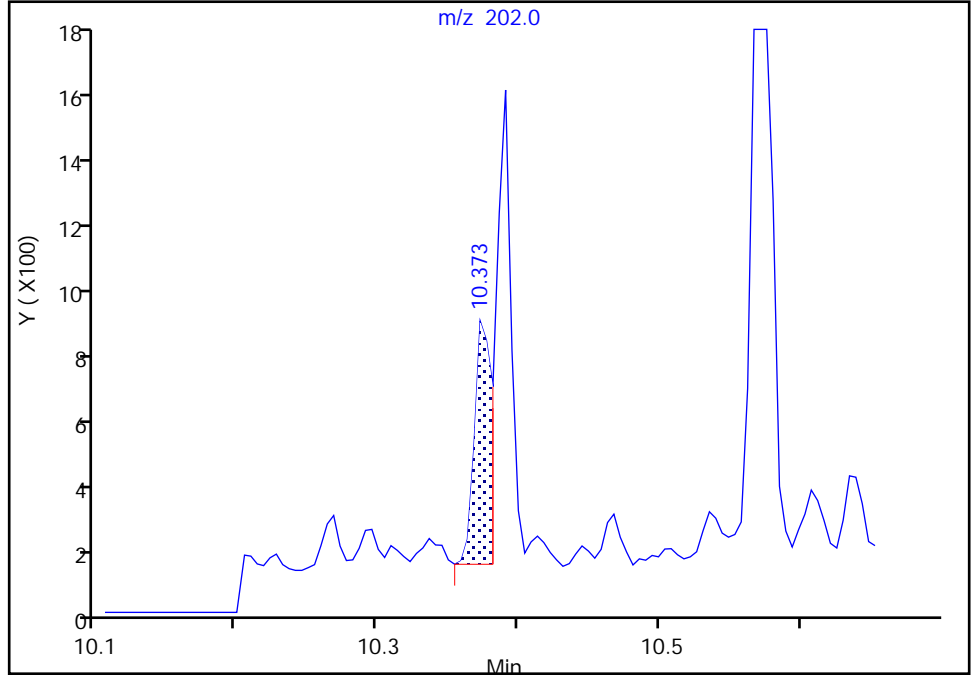
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b020.D
Injection Date: 25-Mar-2022 22:24:30 Instrument ID: SEA101
Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
Client ID: ERH2800 (RHMW14-3)
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Fluoranthene, CAS: 206-44-0

Signal: 1

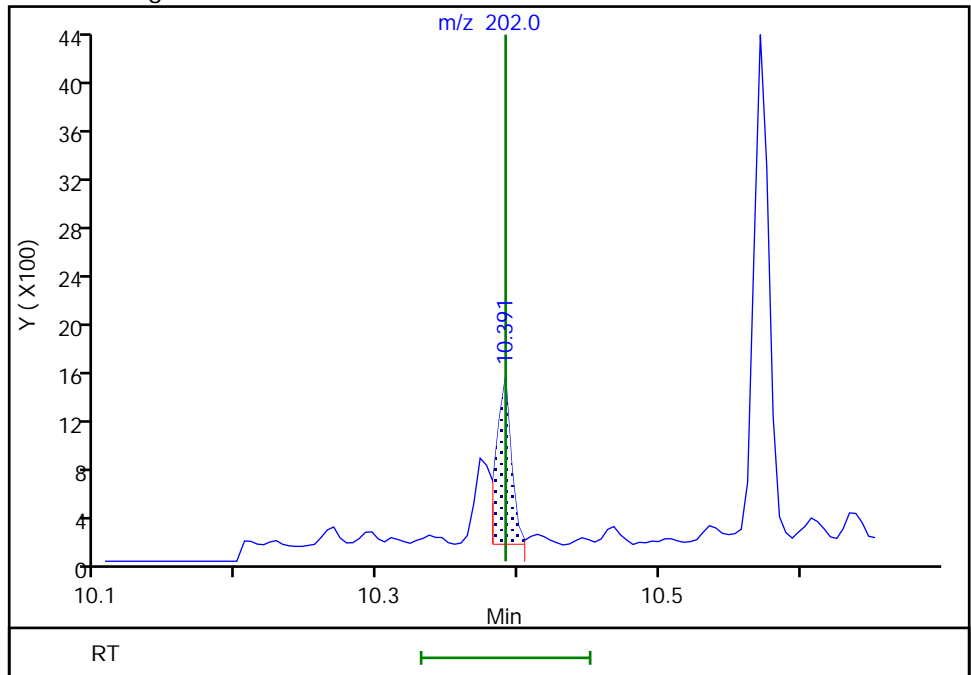
RT: 10.37
Area: 559
Amount: 0.814552
Amount Units: ug/L

Processing Integration Results



RT: 10.39
Area: 950
Amount: 1.384301
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:47:05
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

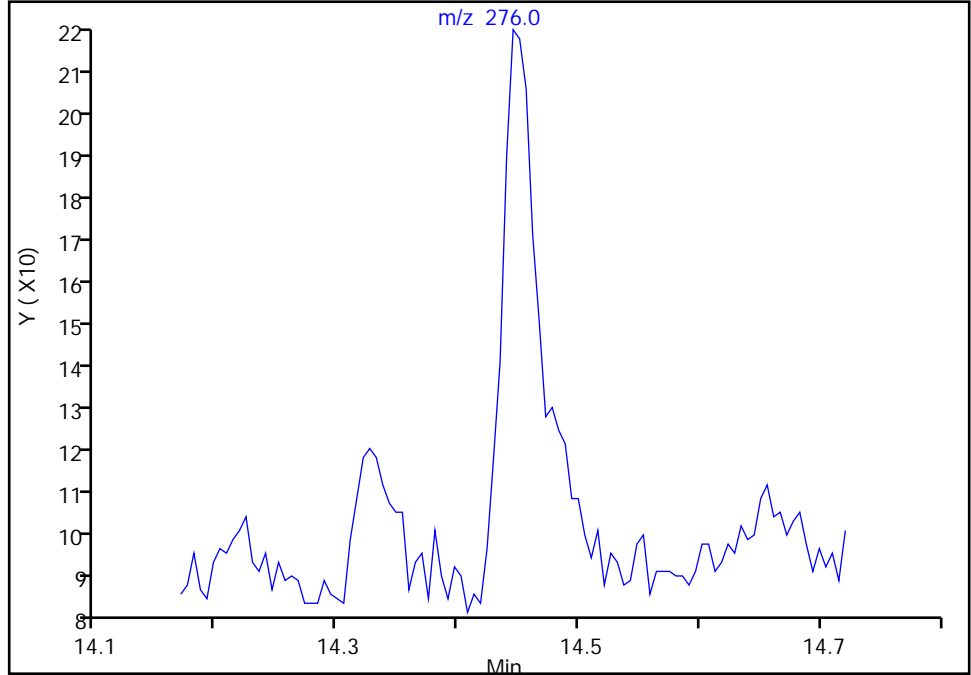
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b020.D
Injection Date: 25-Mar-2022 22:24:30 Instrument ID: SEA101
Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
Client ID: ERH2800 (RHMW14-3)
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

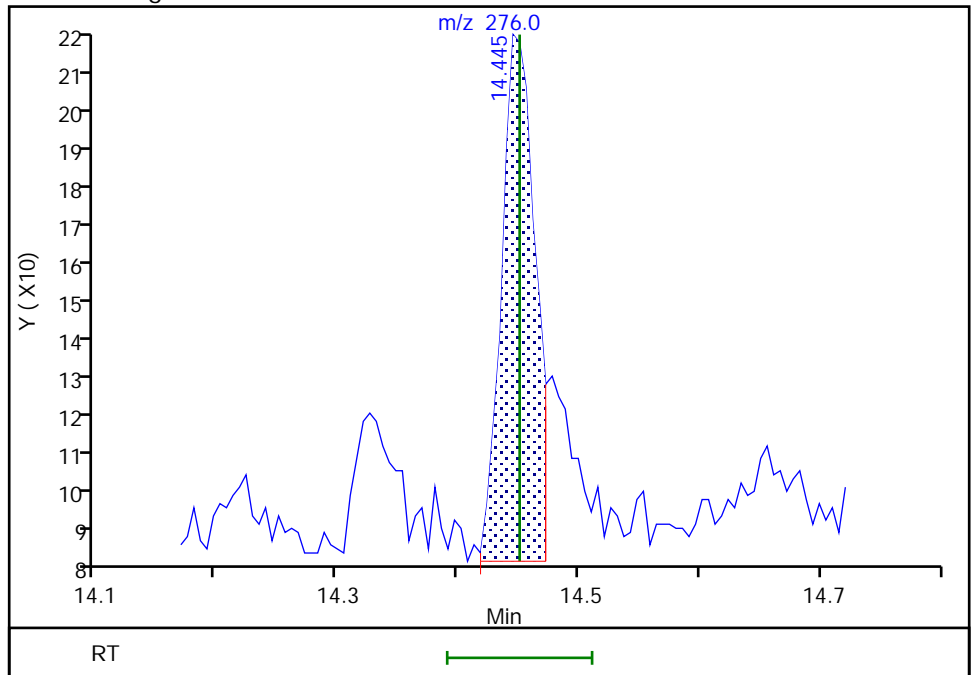
Not Detected
Expected RT: 14.45

Processing Integration Results



Manual Integration Results

RT: 14.45
Area: 240
Amount: 0.433639
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:48:04
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

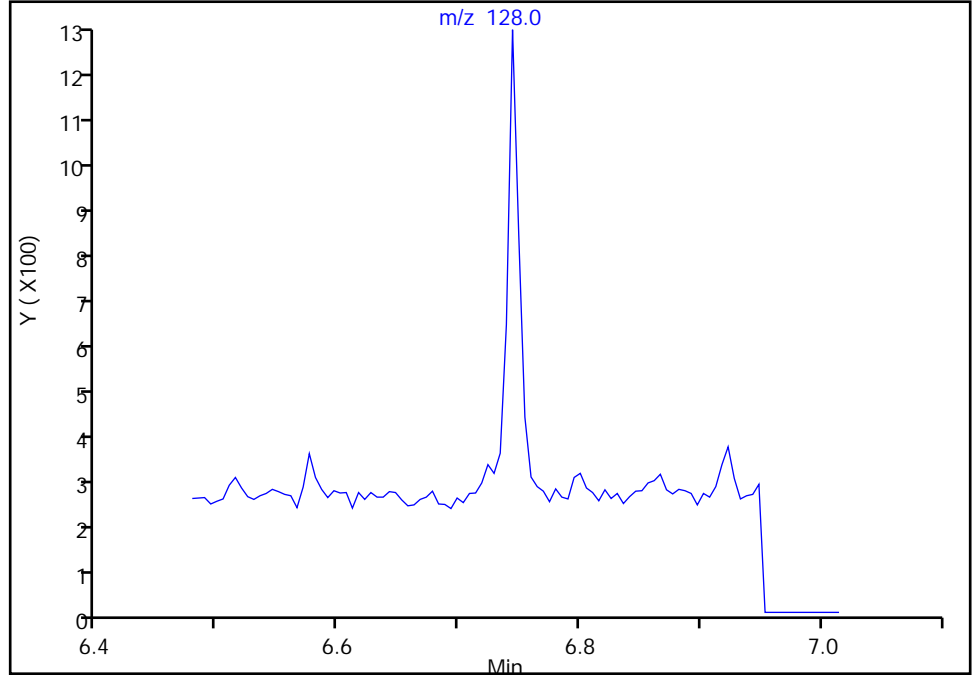
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b020.D
Injection Date: 25-Mar-2022 22:24:30 Instrument ID: SEA101
Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
Client ID: ERH2800 (RHMW14-3)
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

12 Naphthalene, CAS: 91-20-3

Signal: 1

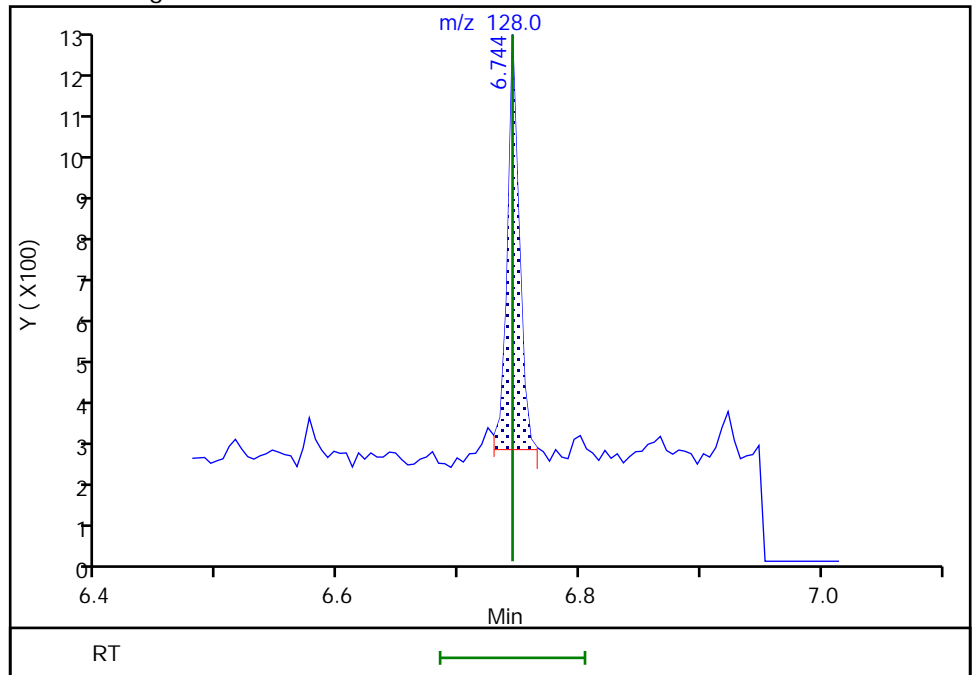
Not Detected
Expected RT: 6.74

Processing Integration Results



Manual Integration Results

RT: 6.74
Area: 674
Amount: 0.842210
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:46:14
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

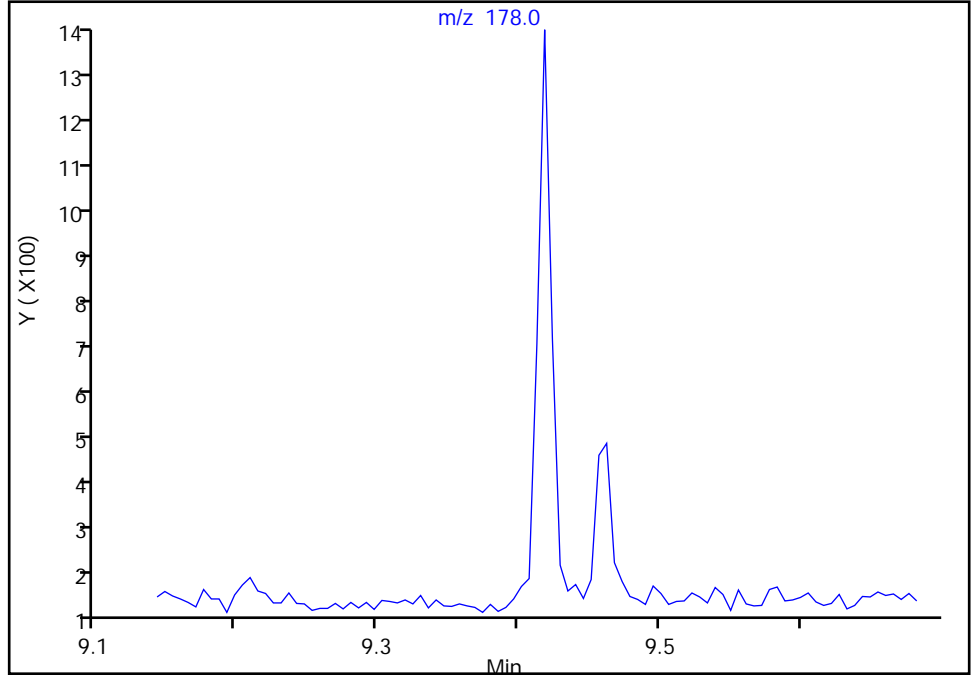
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b020.D
Injection Date: 25-Mar-2022 22:24:30 Instrument ID: SEA101
Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
Client ID: ERH2800 (RHMW14-3)
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Phenanthrene, CAS: 85-01-8

Signal: 1

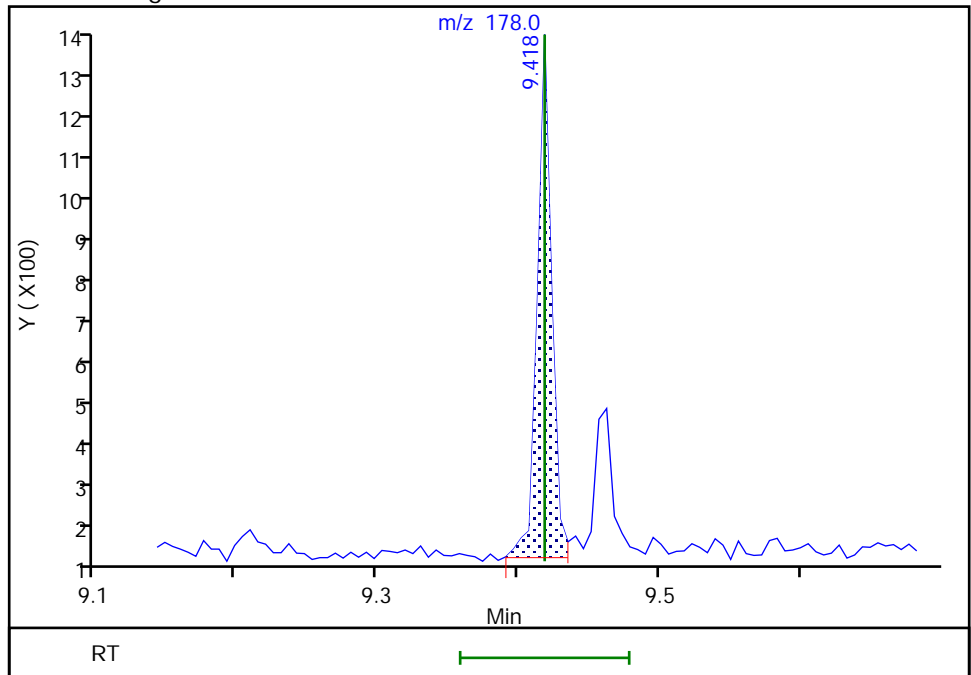
Not Detected
Expected RT: 9.42

Processing Integration Results



Manual Integration Results

RT: 9.42
Area: 814
Amount: 1.148932
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:46:50
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

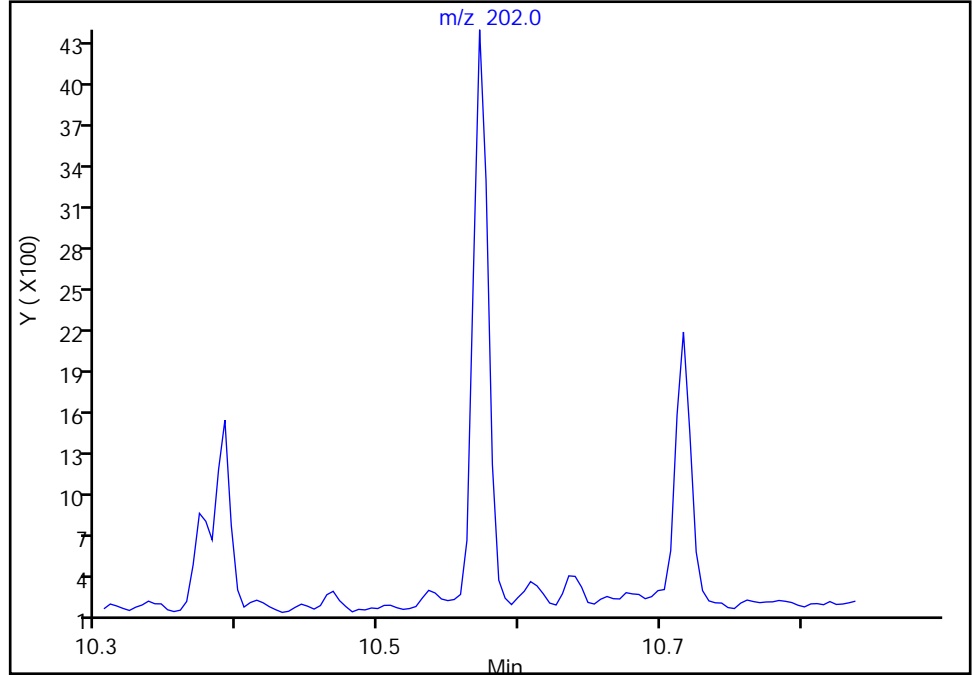
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b020.D
Injection Date: 25-Mar-2022 22:24:30 Instrument ID: SEA101
Lims ID: 580-111436-B-8-A Lab Sample ID: 580-111436-8
Client ID: ERH2800 (RHMW14-3)
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Pyrene, CAS: 129-00-0

Signal: 1

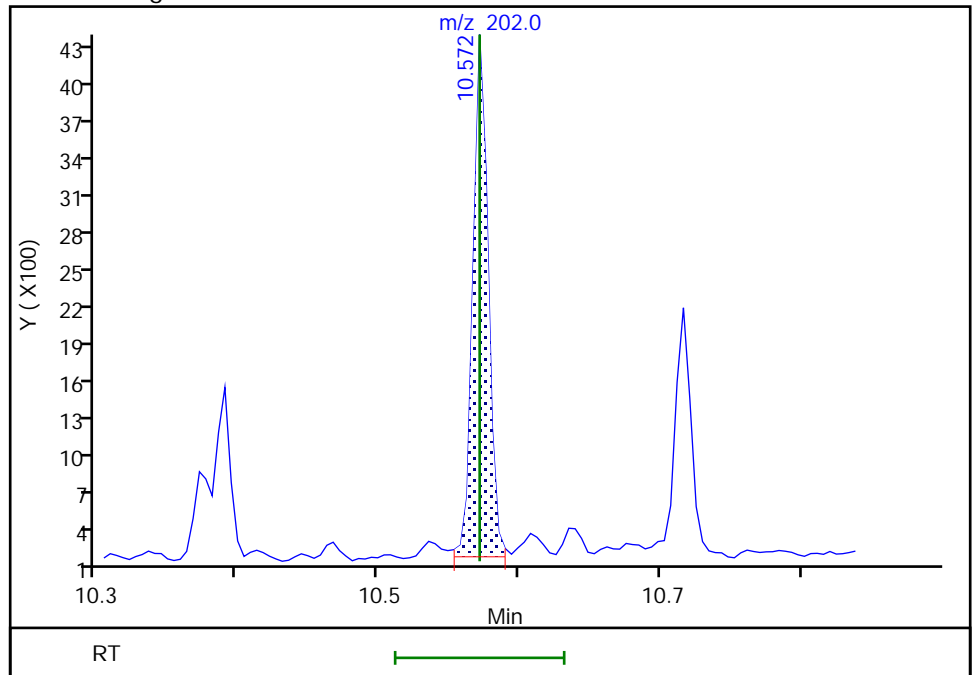
Not Detected
Expected RT: 10.57

Processing Integration Results



RT: 10.57
Area: 3159
Amount: 4.376914
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:47:11
Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: ERH2821 (RHMW16) Lab Sample ID: 580-111436-9
 Matrix: Water Lab File ID: 032522b021.D
 Analysis Method: 8270E SIM Date Collected: 03/15/2022 10:40
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 993.5 (mL) Date Analyzed: 03/25/2022 22:49
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 385175 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U M	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.081	U M	0.20	0.081	0.039
83-32-9	Acenaphthene	0.032	U M	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U M	0.050	0.032	0.0091
120-12-7	Anthracene	0.081	U M	0.10	0.081	0.022
56-55-3	Benzo[a]anthracene	0.032	U M	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U M	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U M	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U M	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.032	0.014
91-20-3	Naphthalene	0.081	U M	0.10	0.081	0.031
85-01-8	Phenanthrene	0.081	U M	0.10	0.081	0.031
129-00-0	Pyrene	0.081	U M	0.10	0.081	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	72		40-140
93951-69-0	Fluoranthene-d10 (Surr)	102		40-140
1718-51-0	Terphenyl-d14	113		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b021.D
 Lims ID: 580-111436-A-9-A
 Client ID: ERH2821 (RHMW16)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 22:49:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-A-9-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 10:50:37 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 10:50:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	60736	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	79060	100.0	
* 3 Acenaphthene-d10	164	8.183	8.183	0.000	1	36980	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	61415	100.0	
* 5 Chrysene-d12	240	11.599	11.599	0.000	1	50073	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	57312	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.300	0.000	97	311775	719.7	
\$ 8 2-Fluorobiphenyl	172	7.642	7.643	0.000	1	403865	710.3	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	65555	907.4	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	598309	1016.4	
\$ 11 Terphenyl-d14	244	10.716	10.716	0.000	1	477654	1134.8	
12 Naphthalene	128	6.744	6.744	0.000	1	973	1.18	M
13 2-Methylnaphthalene	142	7.326	7.331	-0.005	1	618	1.26	M
14 1-Methylnaphthalene	142	7.408	7.408	0.000	1	307	0.6357	M
15 Acenaphthylene	152	8.065	8.065	0.000	1	209	0.3222	M
16 Acenaphthene	153	8.208	8.213	-0.005	5	148	0.3141	M
18 Pentachlorophenol	266	9.248	9.242	0.006	1	133	100.2	M
19 Phenanthrene	178	9.418	9.419	0.000	1	922	1.28	M
20 Anthracene	178	9.462	9.463	-0.001	1	236	0.8829	M
21 Fluoranthene	202	10.391	10.391	0.000	1	551	0.7904	M
22 Pyrene	202	10.572	10.572	0.000	8	697	0.9507	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MecI2_CT_00215

Amount Added: 1.00

Units: uL

Run Reagent

8270SIM_IS_00070

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b021.D

Injection Date: 25-Mar-2022 22:49:30

Instrument ID: SEA101

Lims ID: 580-111436-A-9-A

Lab Sample ID: 580-111436-9

Client ID: ERH2821 (RHMW16)

Operator ID: tl

ALS Bottle#: 16

Worklist Smp#: 16

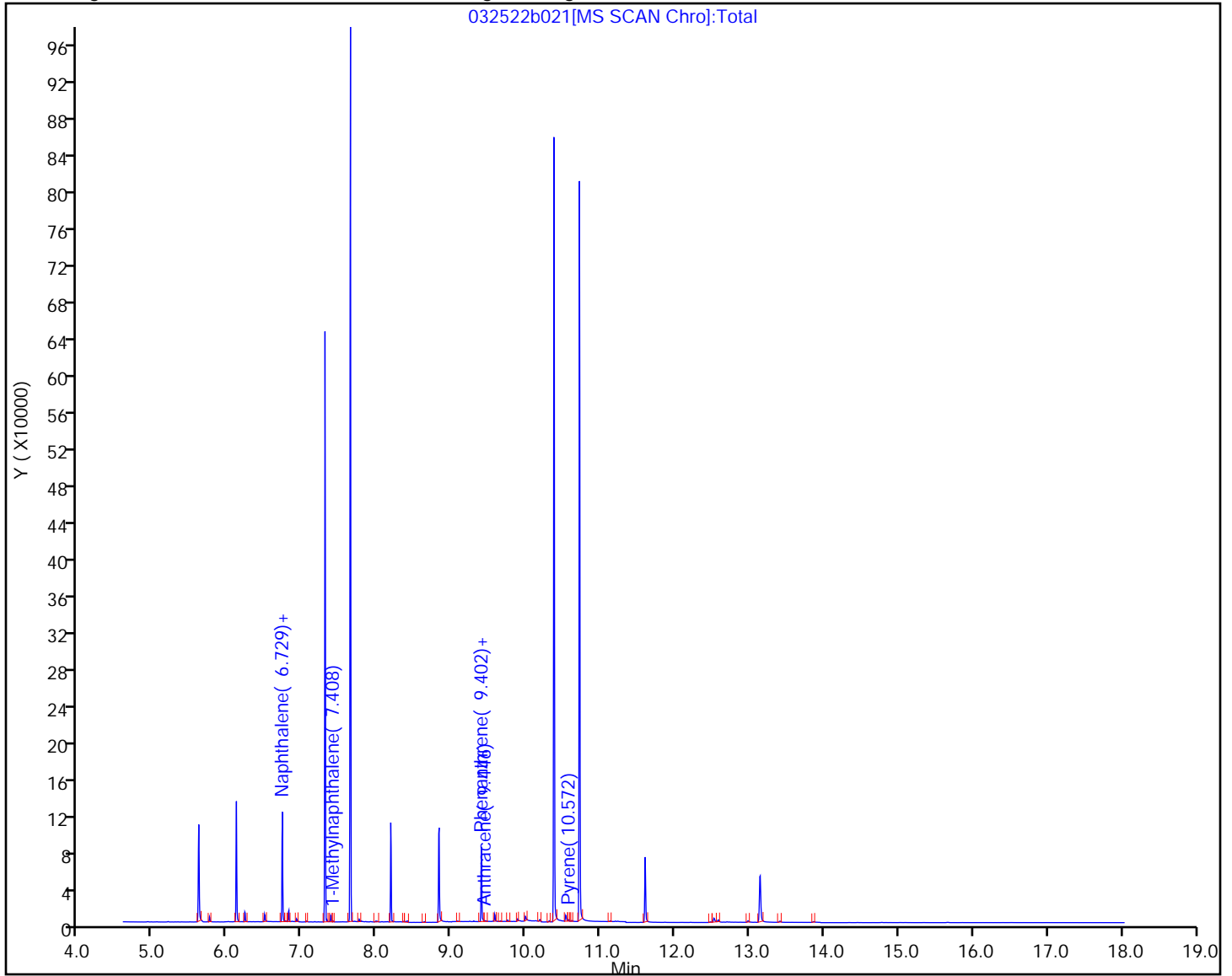
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b021.D
 Lims ID: 580-111436-A-9-A
 Client ID: ERH2821 (RHMW16)
 Sample Type: Client
 Inject. Date: 25-Mar-2022 22:49:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 580-111436-A-9-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 10:50:37 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 10:50:37

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-methylnaphthalene-d10	1000.0	719.7	71.97
\$ 8 2-Fluorobiphenyl	1000.0	710.3	71.03
\$ 9 2,4,6-Tribromophenol	1000.0	907.4	90.74
\$ 10 Fluoranthene-d10 (Surr)	1000.0	1016.4	101.64
\$ 11 Terphenyl-d14	1000.0	1134.8	113.48

Eurofins Seattle

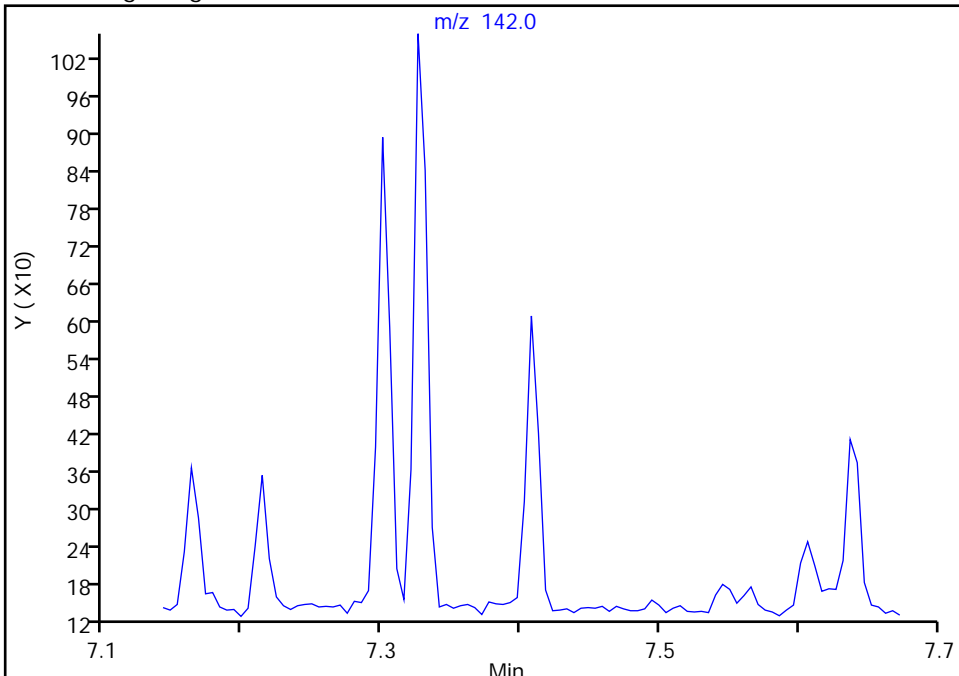
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b021.D
Injection Date: 25-Mar-2022 22:49:30 Instrument ID: SEA101
Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
Client ID: ERH2821 (RHMW16)
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

14 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

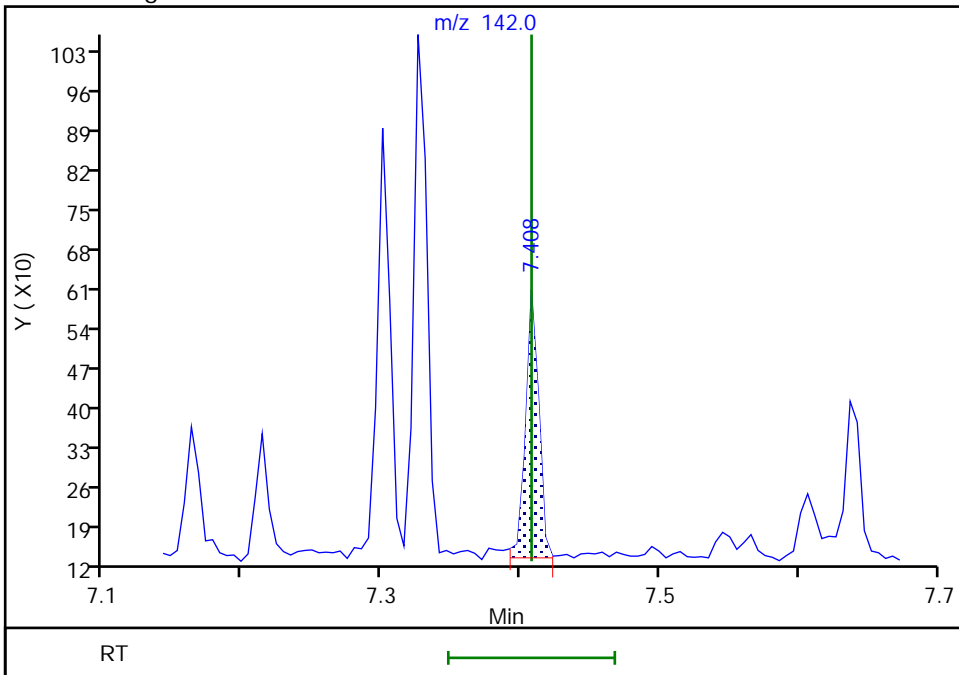
Not Detected
Expected RT: 7.41

Processing Integration Results



Manual Integration Results

RT: 7.41
Area: 307
Amount: 0.635726
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:48:50
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

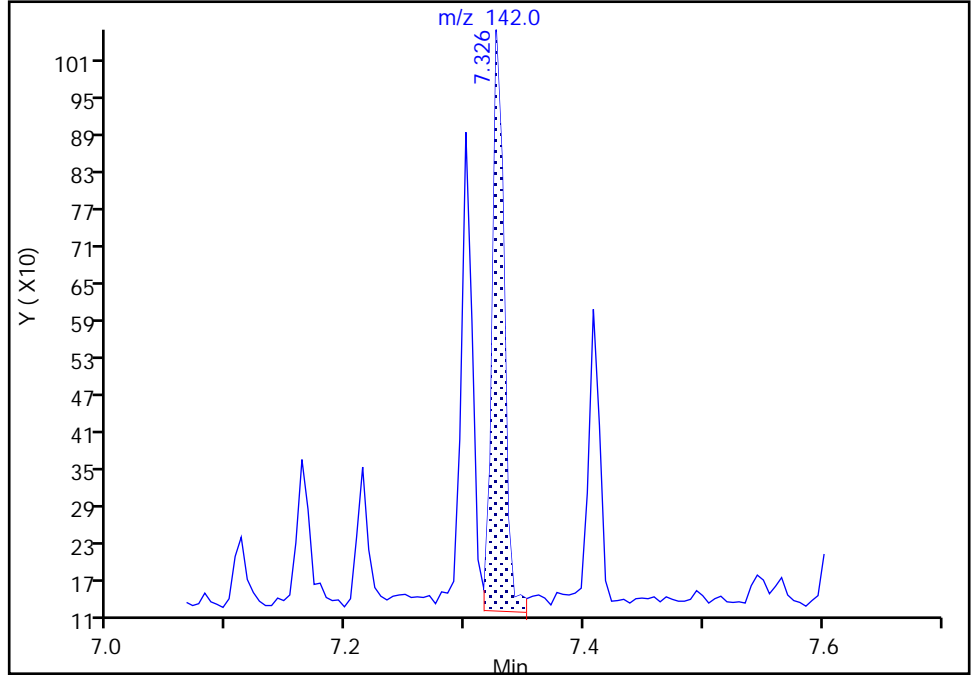
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b021.D
Injection Date: 25-Mar-2022 22:49:30 Instrument ID: SEA101
Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
Client ID: ERH2821 (RHMW16)
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

13 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

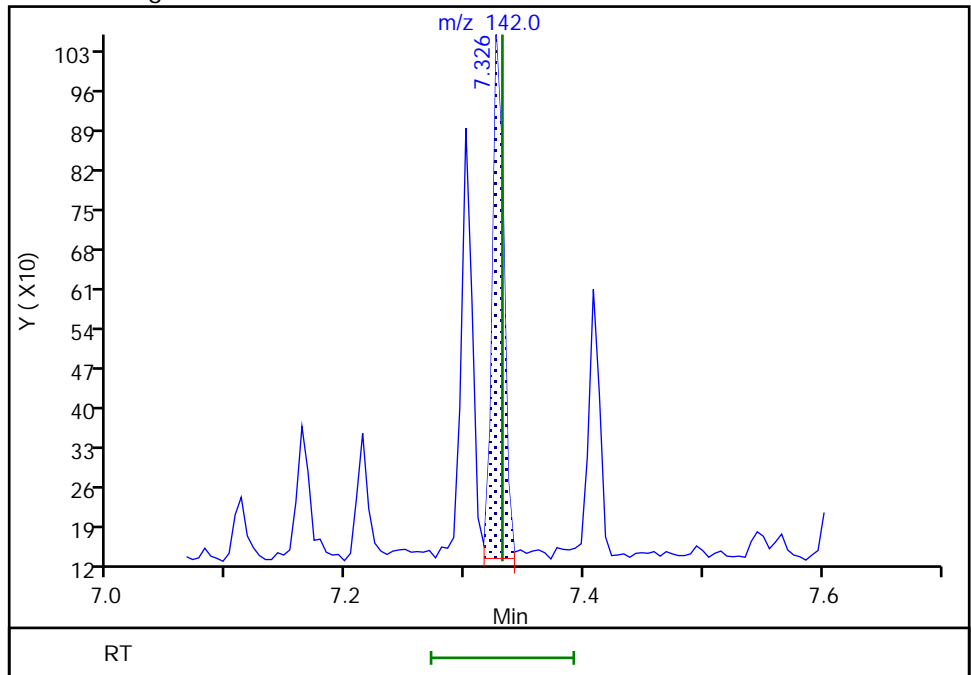
RT: 7.33
Area: 650
Amount: 1.322158
Amount Units: ug/L

Processing Integration Results



RT: 7.33
Area: 618
Amount: 1.257067
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:48:43
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

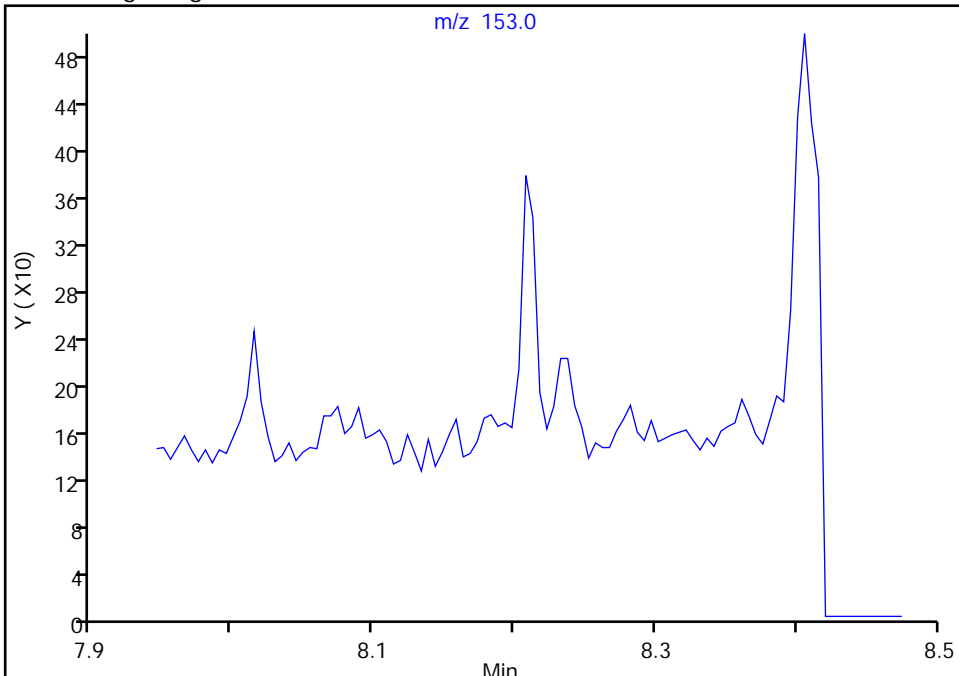
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b021.D
Injection Date: 25-Mar-2022 22:49:30 Instrument ID: SEA101
Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
Client ID: ERH2821 (RHMW16)
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Acenaphthene, CAS: 83-32-9

Signal: 1

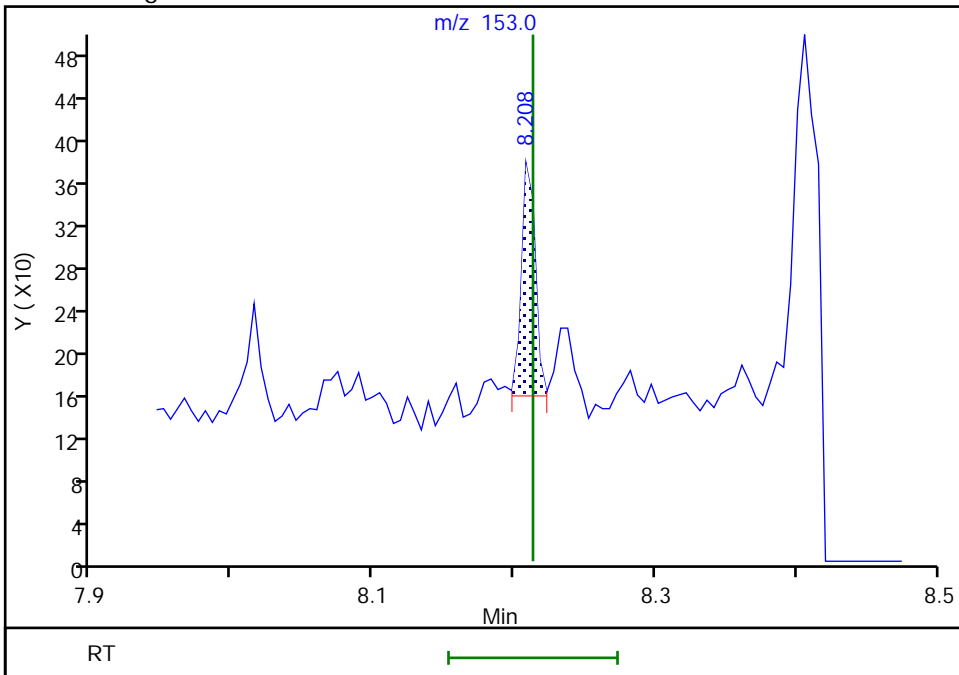
Not Detected
Expected RT: 8.21

Processing Integration Results



RT: 8.21
Area: 148
Amount: 0.314052
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:49:00
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

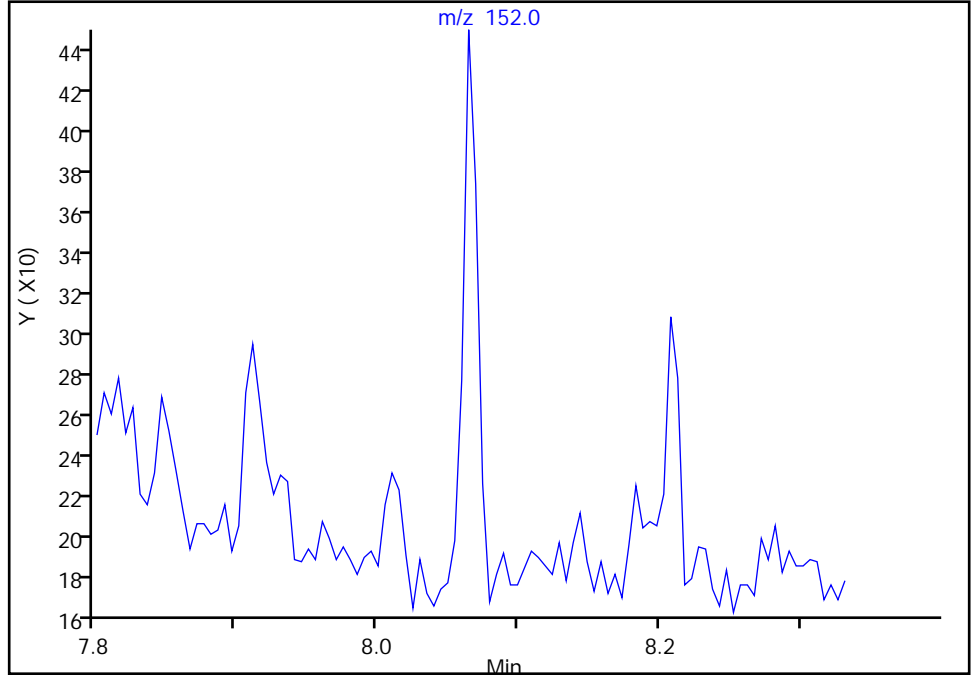
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b021.D
Injection Date: 25-Mar-2022 22:49:30 Instrument ID: SEA101
Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
Client ID: ERH2821 (RHMW16)
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

15 Acenaphthylene, CAS: 208-96-8

Signal: 1

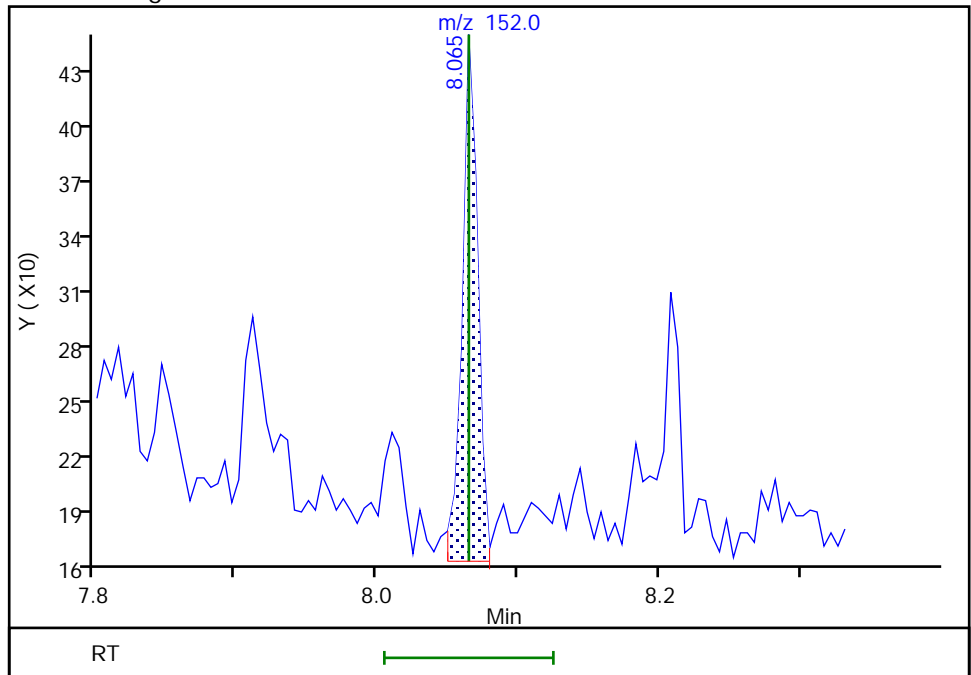
Not Detected
Expected RT: 8.06

Processing Integration Results



Manual Integration Results

RT: 8.06
Area: 209
Amount: 0.322154
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:48:55
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

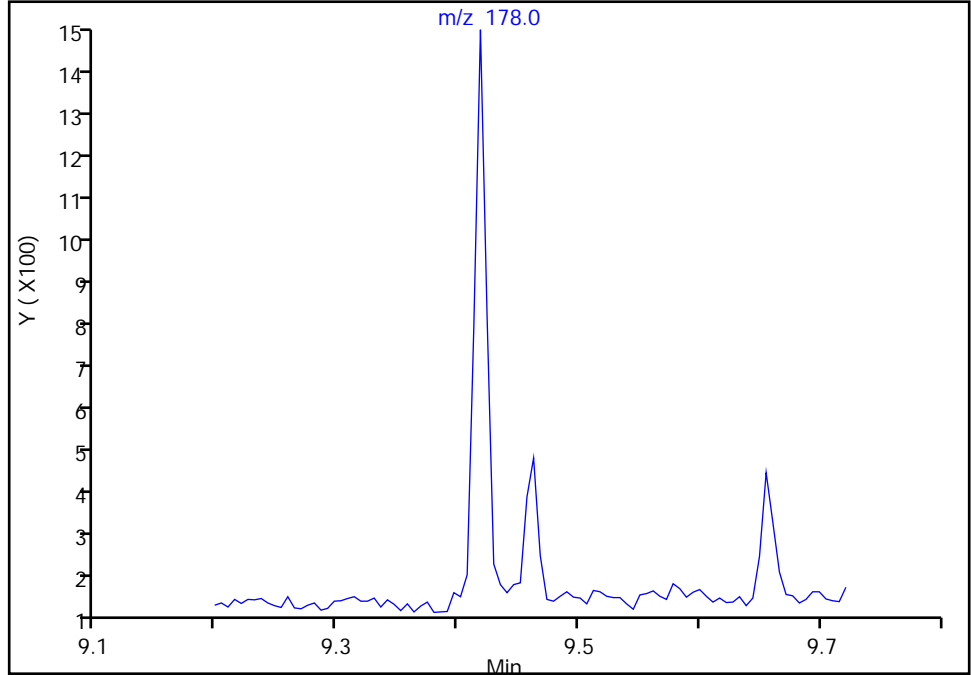
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b021.D
Injection Date: 25-Mar-2022 22:49:30 Instrument ID: SEA101
Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
Client ID: ERH2821 (RHMW16)
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Anthracene, CAS: 120-12-7

Signal: 1

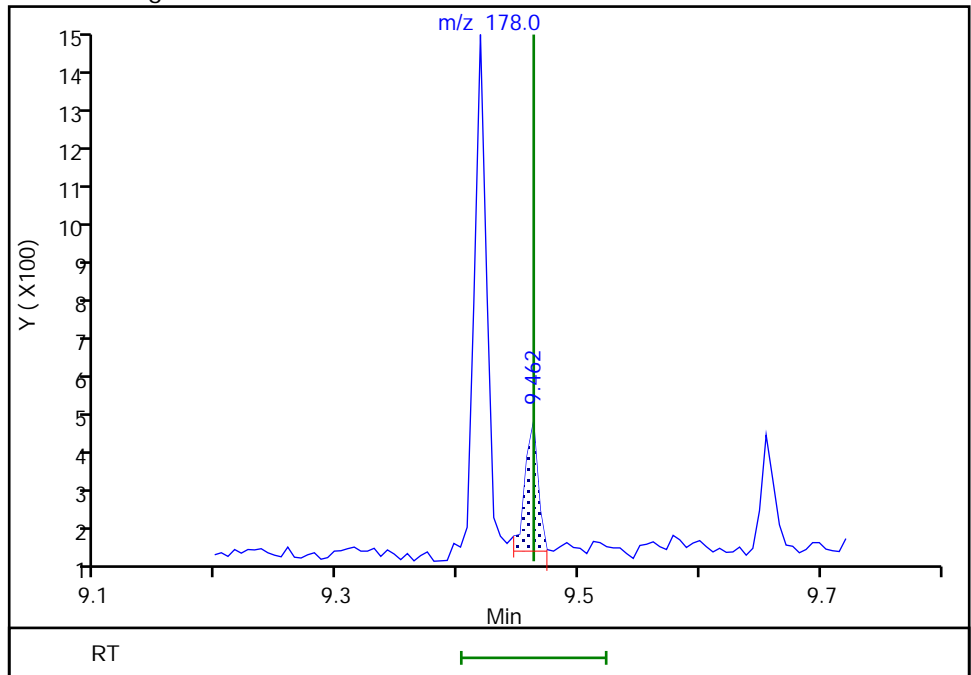
Not Detected
Expected RT: 9.46

Processing Integration Results



Manual Integration Results

RT: 9.46
Area: 236
Amount: 0.882898
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:49:25
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

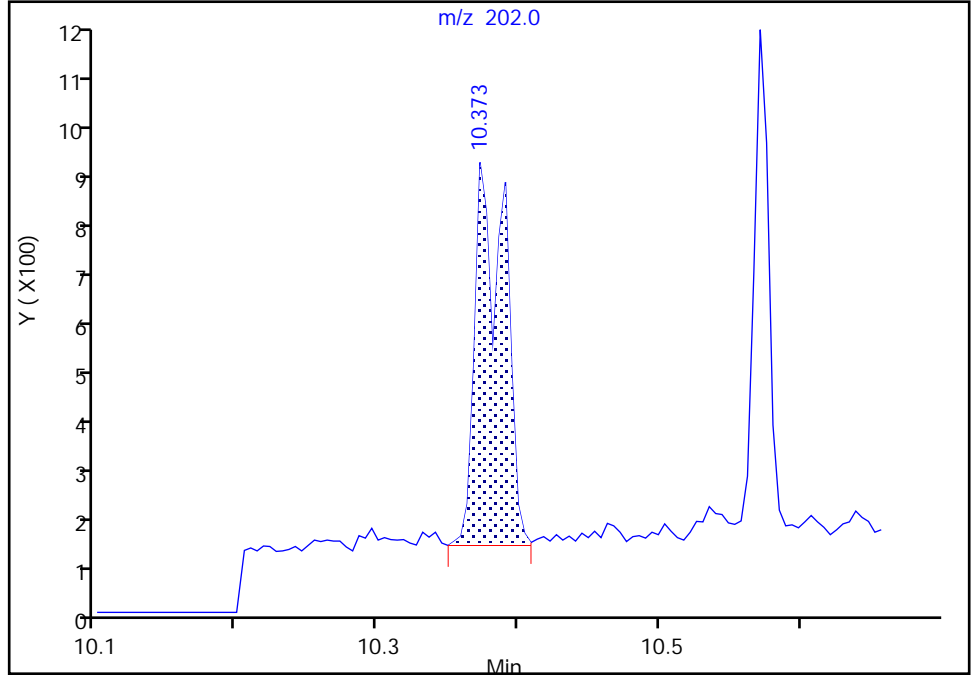
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b021.D
Injection Date: 25-Mar-2022 22:49:30 Instrument ID: SEA101
Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
Client ID: ERH2821 (RHMW16)
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Fluoranthene, CAS: 206-44-0

Signal: 1

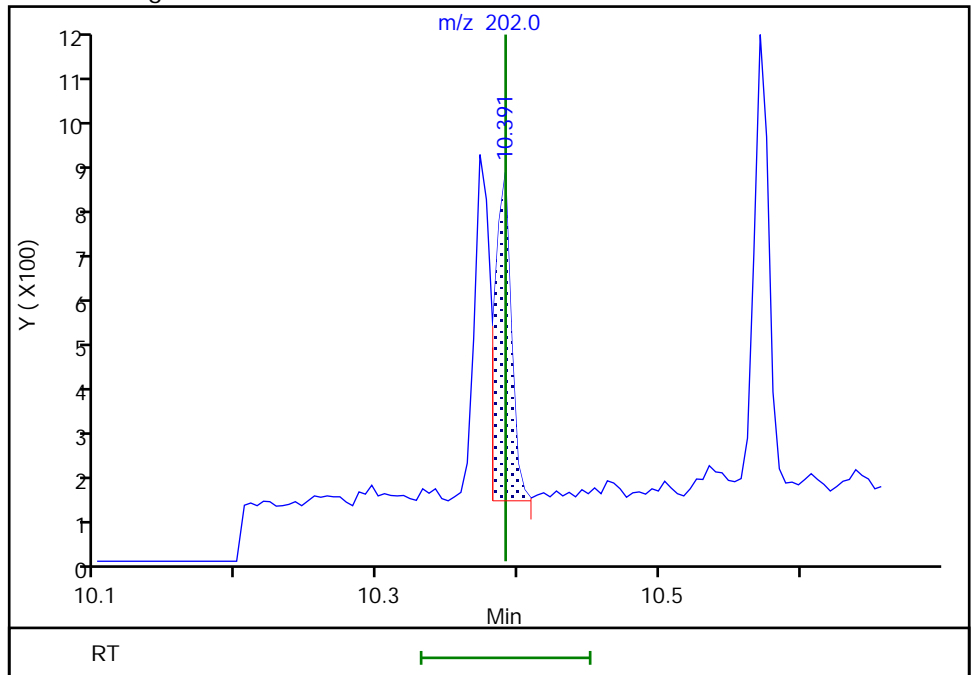
RT: 10.37
Area: 1129
Amount: 1.619497
Amount Units: ug/L

Processing Integration Results



RT: 10.39
Area: 551
Amount: 0.790383
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:49:32
Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Seattle

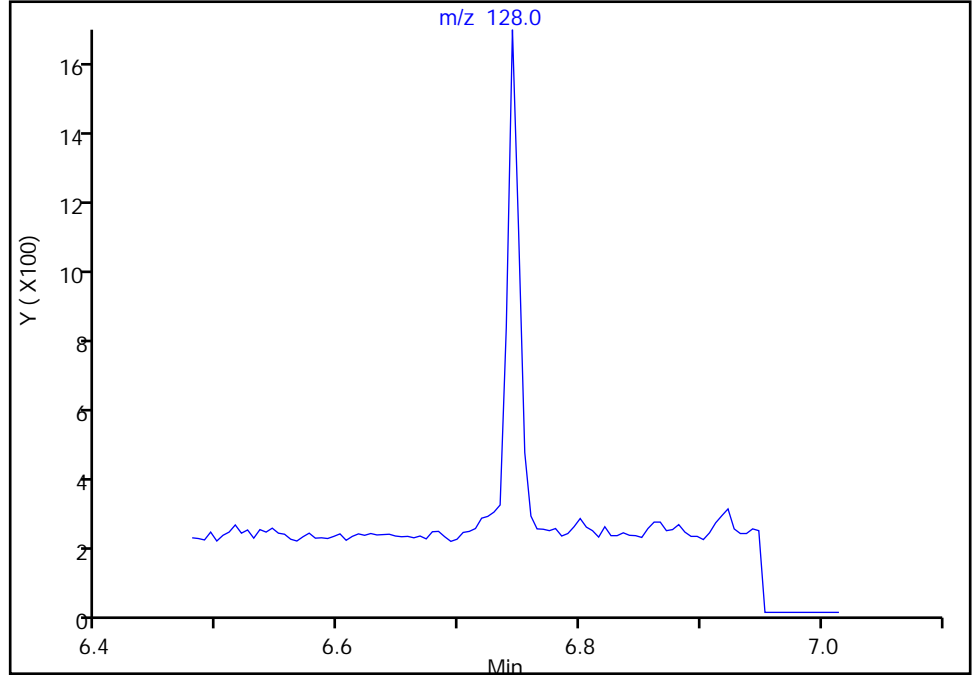
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b021.D
Injection Date: 25-Mar-2022 22:49:30 Instrument ID: SEA101
Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
Client ID: ERH2821 (RHMW16)
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

12 Naphthalene, CAS: 91-20-3

Signal: 1

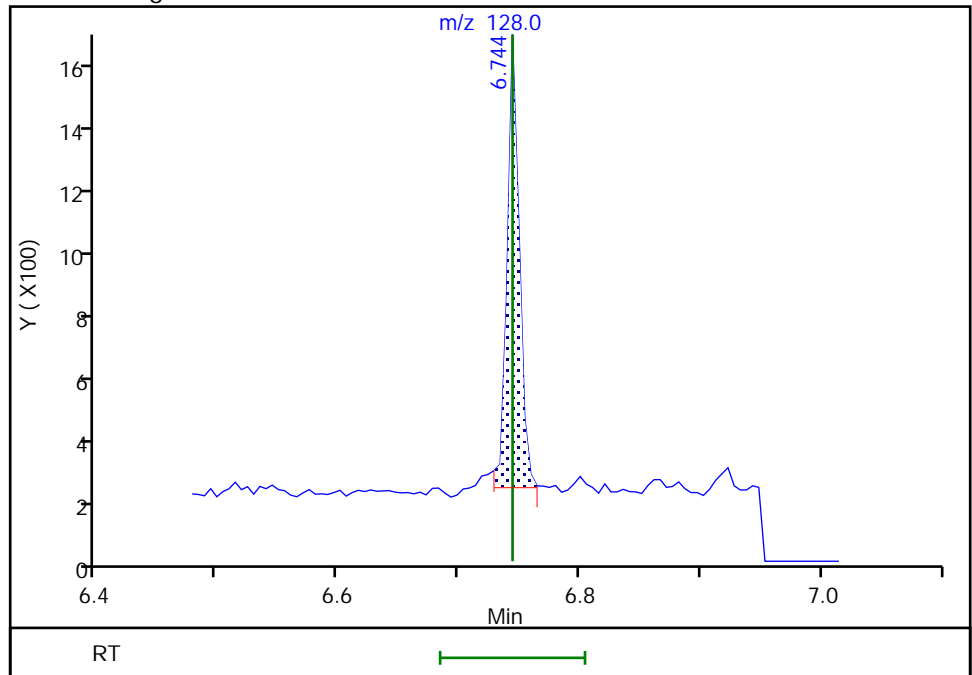
Not Detected
Expected RT: 6.74

Processing Integration Results



Manual Integration Results

RT: 6.74
Area: 973
Amount: 1.184705
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:48:35
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

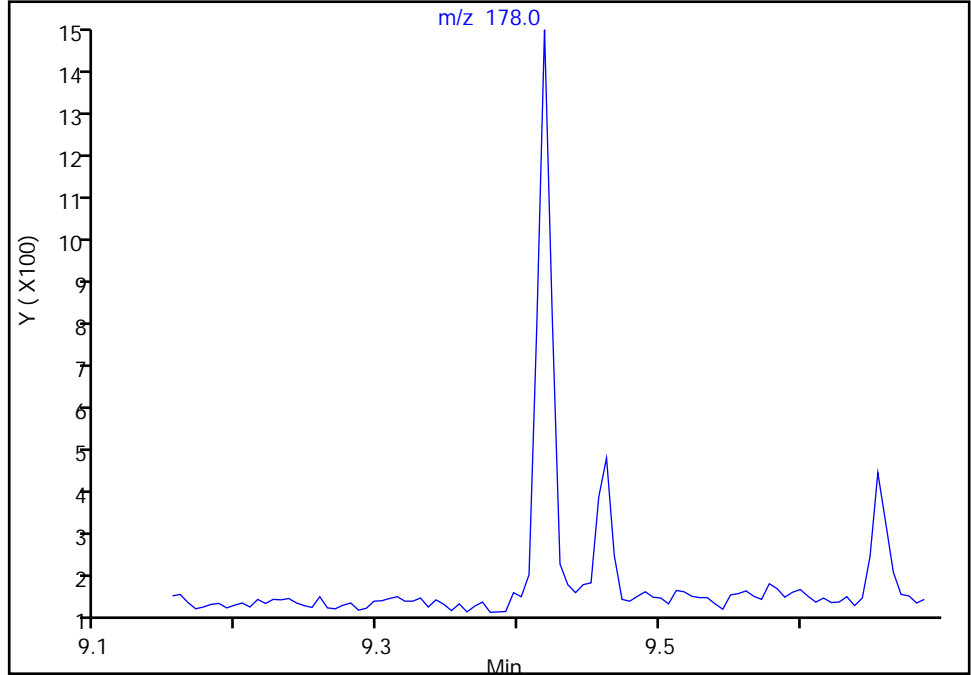
Data File:	\\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b021.D				
Injection Date:	25-Mar-2022 22:49:30	Instrument ID:	SEA101		
Lims ID:	580-111436-A-9-A	Lab Sample ID:	580-111436-9		
Client ID:	ERH2821 (RHMW16)				
Operator ID:	tl	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_SIM_SEA101	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector:	MS SCAN		

19 Phenanthrene, CAS: 85-01-8

Signal: 1

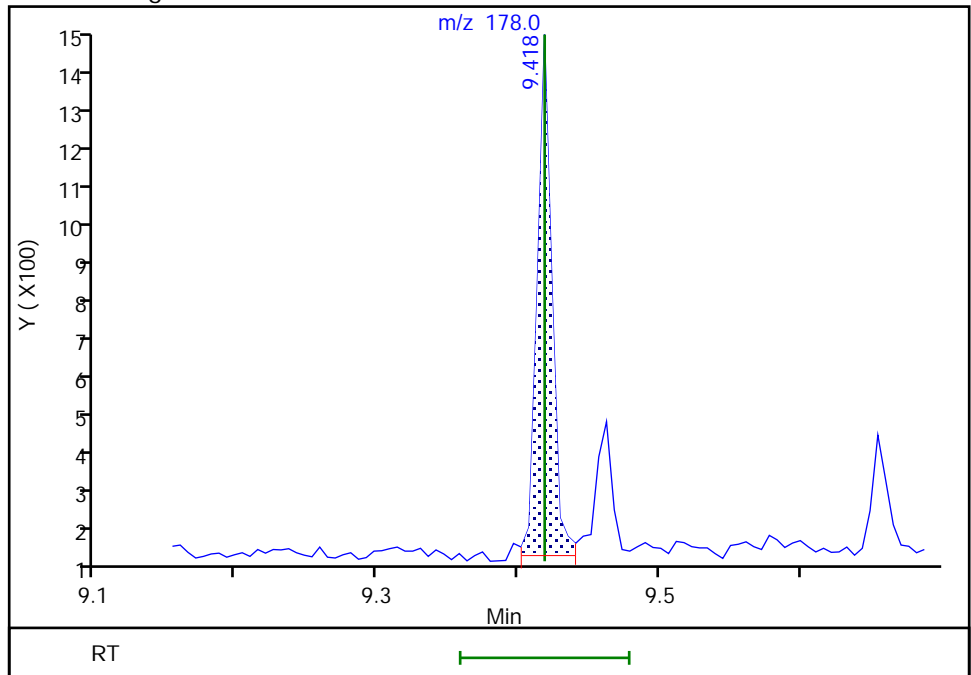
Not Detected
Expected RT: 9.42

Processing Integration Results



Manual Integration Results

RT: 9.42
Area: 922
Amount: 1.281091
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 10:49:21
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

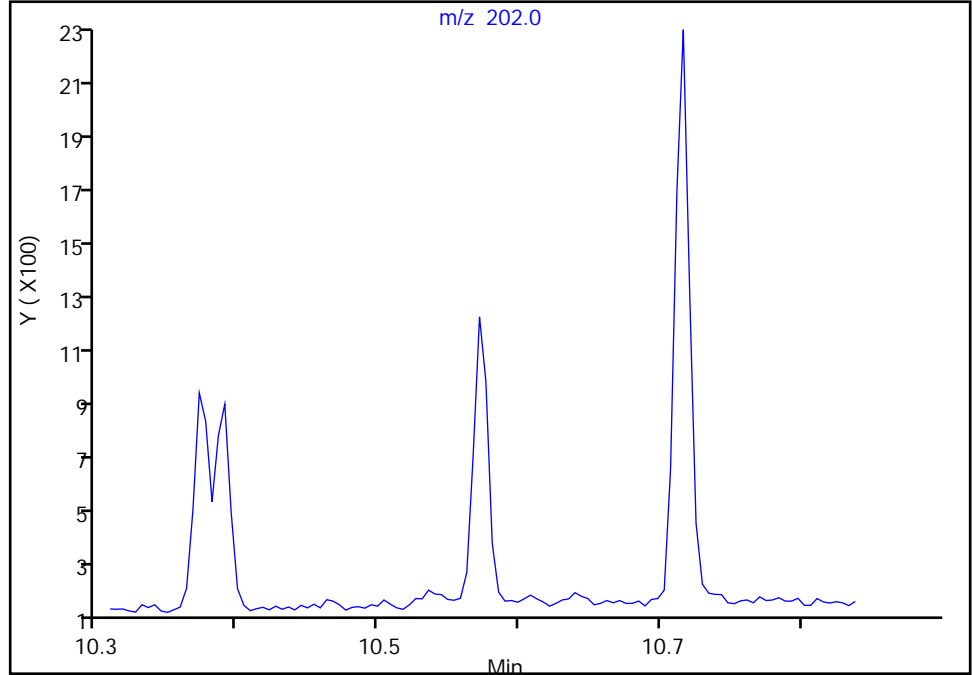
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b021.D
Injection Date: 25-Mar-2022 22:49:30 Instrument ID: SEA101
Lims ID: 580-111436-A-9-A Lab Sample ID: 580-111436-9
Client ID: ERH2821 (RHMW16)
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Pyrene, CAS: 129-00-0

Signal: 1

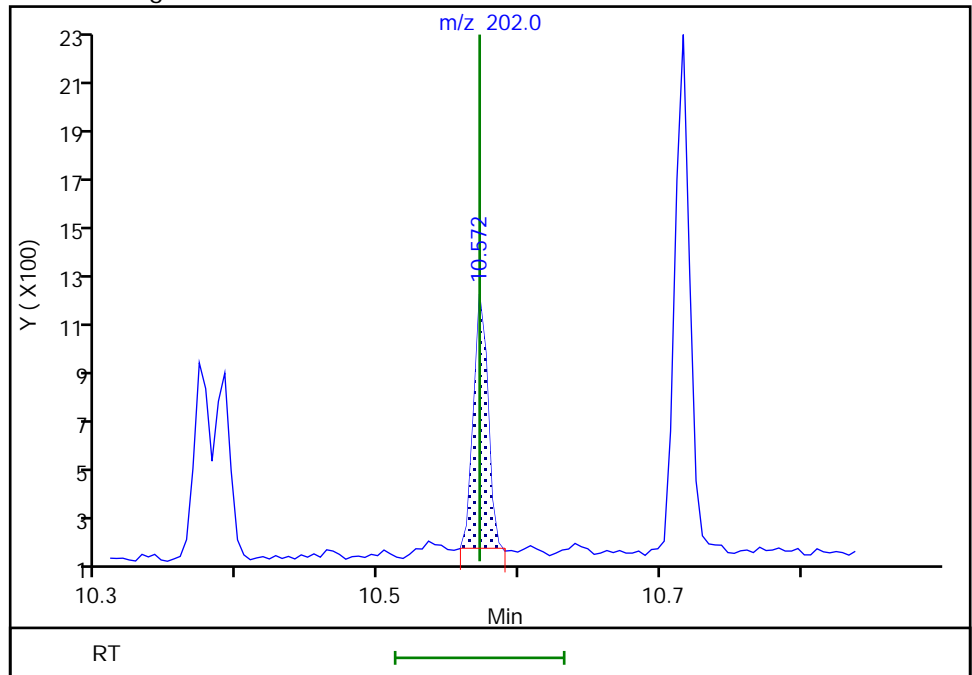
Not Detected
Expected RT: 10.57

Processing Integration Results



RT: 10.57
Area: 697
Amount: 0.950672
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 10:49:44
Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 385060

SDG No.: _____

Instrument ID: SEA101 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2022 17:00 Calibration End Date: 03/25/2022 02:32 Calibration ID: 32244

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-385060/16	032422a034.D
Level 2	STD2 580-385060/15	032422a033.D
Level 3	STD3 580-385060/14	032422a031.D
Level 4	STD4 580-385060/13	032422a029.D
Level 5	STD5 580-385060/12	032422a027.D
Level 6	STD6 580-385060/11	032422a025.D
Level 7	STD7 580-385060/10	032422a023.D
Level 8	STD8 580-385060/9	032422a021.D
Level 9	STD9IS 580-385060/8	032422a019.D
Level 10	STD10 580-385060/7	032422a017.D
Level 11	STD11 580-385060/6	032422a015.D
Level 12	STD12 580-385060/5	032422a013.D
Level 13	STD13 580-385060/4	032422a011.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10												
Naphthalene	1.1052	1.0332	1.0049	1.1258	1.0750	Ave	1.0388			0.7000	6.0		15.0				
	1.0680	1.0594	1.0542	1.0387	1.0377												
	1.0355	1.0001	0.8672														
2-Methylnaphthalene	0.5788	0.5602	0.5654	0.6277	0.6113	Ave	0.6218			0.4000	5.9		15.0				
	0.6190	0.6304	0.6510	0.6532	0.6650												
	0.6707	0.6444	0.6067														
1-Methylnaphthalene	0.5918	0.5649	0.5759	0.6236	0.6074	Ave	0.6108			0.4000	4.0		15.0				
	0.6163	0.6159	0.6382	0.6309	0.6378												
	0.6369	0.6141	0.5867														
Acenaphthylene	1.6341	1.6666	1.5718	1.6915	1.6573	Ave	1.7544			0.9000	6.9		15.0				
	1.7355	1.7305	1.8079	1.8688	1.8773												
	1.9696	1.9128	1.6829														
Acenaphthene	1.2545	1.1918	1.2441	1.2894	1.2775	Ave	1.2744			0.9000	3.0		15.0				
	1.3033	1.2885	1.3018	1.3013	1.2969												
	1.3277	1.2716	1.2182														
Fluorene	+++++	+++++	0.9475	1.0232	1.1135	Ave	1.2738			0.9000	13.4		15.0				
	1.2512	1.3101	1.3851	1.4165	1.4016												
	1.4429	1.3858	1.3346														
Pentachlorophenol	+++++	+++++	+++++	+++++	+++++	Qual	-24.46	0.2476	0.0000023	0.0500	17.3		0.9990			0.9900	
	0.0847	0.1075	0.1533	0.1973	0.2252												
	0.2599	0.2748	0.2906														

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 385060

SDG No.: _____

Instrument ID: SEA101 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2022 17:00 Calibration End Date: 03/25/2022 02:32 Calibration ID: 32244

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10												
Phenanthrene	1.2761 1.1855 1.2335	1.1119 1.2045 1.2161	1.0571 1.2134 1.1149	1.1204 1.2092	1.0506 1.2410	Ave		1.171 9		0.7000	6.2		15.0				
Anthracene	++++ 1.0673 1.2286	0.9218 1.1008 1.2255	0.8282 1.1328 1.0730	0.9255 1.1734	1.0275 1.2117	Lin2	-0.60 6	1.121 2		0.7000	8.9			0.9920			0.9900
Fluoranthene	0.9077 1.1473 1.3309	0.9631 1.1491 1.3086	0.9789 1.2049 ++++	1.0264 1.2431	1.0548 1.3064	Ave		1.135 1		0.6000	13.0		15.0				
Pyrene	1.1773 1.1879 1.3566	1.0196 1.1903 1.3477	1.0186 1.2172 1.1925	1.1115 1.2590	1.1150 1.3260	Ave		1.193 8		0.6000	9.3		15.0				
Benzo[a]anthracene	1.1887 1.1035 1.3354	1.0138 1.0289 1.3326	0.9924 1.1095 1.2295	1.0902 1.2525	1.0457 1.2985	Qua2	-0.02 9	1.130 4	0.0000201	0.8000	9.9			0.9900			0.9900
Chrysene	1.6462 1.5001 1.3880	1.6961 1.5332 1.3075	1.3682 1.4973 1.1805	1.5125 1.3904	1.5530 1.3807	Qua2	0.210 5	1.472 3	-0.000031	0.7000	5.2			0.9970			0.9900
Benzo[b]fluoranthene	1.2347 1.1007 1.3505	1.0170 1.0964 1.3085	1.0433 1.1621 1.2634	1.1083 1.2921	1.1174 1.3468	Ave		1.187 8		0.7000	9.8		15.0				
Benzo[k]fluoranthene	1.2166 1.5123 1.6060	1.3079 1.5030 1.4133	1.3341 1.6203 1.3645	1.2872 1.4465	1.3851 1.5510	Qua2	-0.31 8	1.487 4	-0.000010	0.7000	6.6			0.9960			0.9900
Benzo[a]pyrene	0.9079 1.0386 1.2572	0.9249 1.0390 1.1908	0.9300 1.1332 1.1826	1.0266 1.1663	1.0270 1.2088	Ave		1.079 5		0.7000	10.9		15.0				
Indeno[1,2,3-cd]pyrene	0.9079 0.8901 1.1840	0.8119 0.8939 1.1805	0.8705 0.9063 1.2184	0.8672 1.0436	0.8743 1.1188	Ave		0.982 1		0.5000	14.8		15.0				
Dibenz(a,h)anthracene	++++ 0.9679 1.3834	++++ 1.0989 1.3199	0.7534 1.1764 1.3679	0.8324 1.2549	0.8736 1.3373	Qua2	-2.58 3	1.171 5	0.0000256	0.4000	10.4			0.9900			0.9900
Benzo[g,h,i]perylene	1.3028 1.2909 1.5412	1.1195 1.3699 1.4599	1.2650 1.4240 1.4770	1.3728 1.4535	1.2327 1.5139	Ave		1.371 0		0.5000	9.0		15.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 385060

SDG No.: _____

Instrument ID: SEA101 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2022 17:00 Calibration End Date: 03/25/2022 02:32 Calibration ID: 32244

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10												
	LVL 11	LVL 12	LVL 13														
2-methylnaphthalene-d10	0.5477	0.5083	0.4997	0.5315	0.5317	Ave		0.547			4.7		15.0				
	0.5432	0.5500	0.5562	0.5716	0.5764			9									
	0.5879	0.5718	0.5470														
2-Fluorobiphenyl	1.7456	1.5445	1.5514	1.6414	1.5975	Ave		1.537			6.5		15.0				
	1.6039	1.5439	1.5461	1.4985	1.4650			5									
	1.4798	1.4114	1.3580														
2,4,6-Tribromophenol	+++++	+++++	+++++	+++++	0.0893	Qua2	-2.18	0.185	0.0000135		10.3			0.9910		0.9900	
	0.1209	0.1411	0.1734	0.1994	0.2119		8	5									
	0.2336	0.2404	+++++														
Fluoranthene-d10 (Surr)	0.8028	0.8543	0.8654	0.8229	0.8681	Ave		0.958			12.3		15.0				
	0.9241	0.9190	0.9641	1.0118	1.0721			5									
	1.1157	1.1211	1.1187														
Terphenyl-d14	0.5692	0.5870	0.5667	0.5801	0.6575	Ave		0.685			13.0		15.0				
	0.6825	0.6705	0.7090	0.7343	0.7730			4									
	0.7887	0.7917	0.7994														

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 385060

SDG No.: _____

Instrument ID: SEA101 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2022 17:00 Calibration End Date: 03/25/2022 02:32 Calibration ID: 32244

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-385060/16	032422a034.D
Level 2	STD2 580-385060/15	032422a033.D
Level 3	STD3 580-385060/14	032422a031.D
Level 4	STD4 580-385060/13	032422a029.D
Level 5	STD5 580-385060/12	032422a027.D
Level 6	STD6 580-385060/11	032422a025.D
Level 7	STD7 580-385060/10	032422a023.D
Level 8	STD8 580-385060/9	032422a021.D
Level 9	STD9IS 580-385060/8	032422a019.D
Level 10	STD10 580-385060/7	032422a017.D
Level 11	STD11 580-385060/6	032422a015.D
Level 12	STD12 580-385060/5	032422a013.D
Level 13	STD13 580-385060/4	032422a011.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)						
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10		
			LVL 11	LVL 12	LVL 13				LVL 11	LVL 12	LVL 13			
Naphthalene	NPT	Ave	676	1315	2888	6855	13252	1.00	2.00	5.00	10.0	20.0		
			33763	68550	140438	376666	732424	50.0	100	200	500	1000		
			1451849	3732877	6804306				2000	5000	10000			
2-Methylnaphthalene	NPT	Ave	354	713	1625	3822	7536	1.00	2.00	5.00	10.0	20.0		
			19568	40792	86721	236877	469398	50.0	100	200	500	1000		
			940424	2405067	4760636				2000	5000	10000			
1-Methylnaphthalene	NPT	Ave	362	719	1655	3797	7488	1.00	2.00	5.00	10.0	20.0		
			19485	39853	85014	228796	450200	50.0	100	200	500	1000		
			893067	2292157	4603978				2000	5000	10000			
Acenaphthylene	ANT	Ave	396	860	1775	4156	8484	1.00	2.00	5.00	10.0	20.0		
			23206	48967	109531	320445	647106	50.0	100	200	500	1000		
			1347983	3571811	6576669				2000	5000	10000			
Acenaphthene	ANT	Ave	304	615	1405	3168	6540	1.00	2.00	5.00	10.0	20.0		
			17427	36458	78871	223137	447042	50.0	100	200	500	1000		
			908711	2374538	4760772				2000	5000	10000			
Fluorene	ANT	Ave	+++++	+++++	1070	2514	5700	+++++	+++++	5.00	10.0	20.0		
			16730	37070	83915	242887	483146	50.0	100	200	500	1000		
			987531	2587730	5215609				2000	5000	10000			
Pentachlorophenol	ANT	Qual	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
			2264	6081	18573	67648	155230	100	200	400	1000	2000		
			355799	1026180	2271638				4000	10000	20000			

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 385060

SDG No.: _____

Instrument ID: SEA101 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2022 17:00 Calibration End Date: 03/25/2022 02:32 Calibration ID: 32244

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)						
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10		
			LVL 11	LVL 12	LVL 13				LVL 11	LVL 12	LVL 13			
Phenanthrene	PHN	Ave	426	807	1649	4029	8283	1.00	2.00	5.00	10.0	20.0		
			25593	55126	124229	350149	695482	50.0	100	200	500	1000		
			1412981	3691786	7104714			2000	5000	10000				
Anthracene	PHN	Lin2	++++	669	1292	3328	8101	++++	2.00	5.00	10.0	20.0		
			23041	50382	115976	339805	679113	50.0	100	200	500	1000		
			1407323	3720209	6837262			2000	5000	10000				
Fluoranthene	PHN	Ave	303	699	1527	3691	8316	1.00	2.00	5.00	10.0	20.0		
			24770	52593	123357	359979	732186	50.0	100	200	500	1000		
			1524592	3972572	++++			2000	5000	++++				
Pyrene	PHN	Ave	393	740	1589	3997	8791	1.00	2.00	5.00	10.0	20.0		
			25646	54477	124618	364585	743132	50.0	100	200	500	1000		
			1553945	4091338	7598786			2000	5000	10000				
Benzo[a]anthracene	CRY	Qua2	278	523	1067	2920	6206	1.00	2.00	5.00	10.0	20.0		
			18351	35121	89855	304404	638653	50.0	100	200	500	1000		
			1365975	3736275	7836353			2000	5000	10000				
Chrysene	CRY	Qua2	385	875	1471	4051	9217	1.00	2.00	5.00	10.0	20.0		
			24947	52337	121257	337916	679073	50.0	100	200	500	1000		
			1419766	3665886	7524300			2000	5000	10000				
Benzo[b]fluoranthene	PRY	Ave	272	486	1087	2808	6232	1.00	2.00	5.00	10.0	20.0		
			17435	36068	88975	321030	640543	50.0	100	200	500	1000		
			1346331	3849622	8250459			2000	5000	10000				
Benzo[k]fluoranthene	PRY	Qua2	268	625	1390	3261	7725	1.00	2.00	5.00	10.0	20.0		
			23954	49447	124060	359414	737687	50.0	100	200	500	1000		
			1601106	4157888	8910982			2000	5000	10000				
Benzo[a]pyrene	PRY	Ave	200	442	969	2601	5728	1.00	2.00	5.00	10.0	20.0		
			16451	34182	86766	289778	574916	50.0	100	200	500	1000		
			1253361	3503246	7723001			2000	5000	10000				
Indeno[1,2,3-cd]pyrene	PRY	Ave	200	388	907	2197	4876	1.00	2.00	5.00	10.0	20.0		
			14099	29409	69392	259306	532109	50.0	100	200	500	1000		
			1180341	3472902	7956478			2000	5000	10000				
Dibenz(a,h)anthracene	PRY	Qua2	++++	++++	785	2109	4872	++++	++++	5.00	10.0	20.0		
			15331	36150	90067	311803	636069	50.0	100	200	500	1000		
			1379203	3882999	8933219			2000	5000	10000				
Benzo[g,h,i]perylene	PRY	Ave	287	535	1318	3478	6875	1.00	2.00	5.00	10.0	20.0		
			20447	45068	109026	361135	720031	50.0	100	200	500	1000		

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 385060

SDG No.: _____

Instrument ID: SEA101 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2022 17:00 Calibration End Date: 03/25/2022 02:32 Calibration ID: 32244

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
			LVL 11	LVL 12	LVL 13		LVL 11	LVL 12	LVL 13			
			1536488	4295108	9645431			2000	5000	10000		
2-methylnaphthalene-d10	NPT	Ave	335	647	1436	3236	6555	1.00	2.00	5.00	10.0	20.0
			17172	35592	74088	207280	406827	50.0	100	200	500	1000
			824303	2134398	4291990			2000	5000	10000		
2-Fluorobiphenyl	ANT	Ave	423	797	1752	4033	8178	1.00	2.00	5.00	10.0	20.0
			21446	43686	93673	256958	504978	50.0	100	200	500	1000
			1012748	2635647	5307121			2000	5000	10000		
2,4,6-Tribromophenol	ANT	Qua2	++++	++++	++++	++++	457	++++	++++	++++	++++	20.0
			1617	3992	10506	34193	73047	50.0	100	200	500	1000
			159858	448876	++++			2000	5000	++++		
Fluoranthene-d10 (Surr)	PHN	Ave	268	620	1350	2959	6844	1.00	2.00	5.00	10.0	20.0
			19950	42062	98706	293010	600824	50.0	100	200	500	1000
			1278056	3403277	7128650			2000	5000	10000		
Terphenyl-d14	PHN	Ave	190	426	884	2086	5184	1.00	2.00	5.00	10.0	20.0
			14735	30686	72586	212644	433220	50.0	100	200	500	1000
			903404	2403508	5094205			2000	5000	10000		

Curve Type Legend

Ave = Average ISTD Lin2 = Linear 1/conc^2 ISTD Qua1 = Quadratic 1/conc ISTD Qua2 = Quadratic 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 385060

SDG No.: _____

Instrument ID: SEA101 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2022 17:00 Calibration End Date: 03/25/2022 02:32 Calibration ID: 32244

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-385060/16	032422a034.D
Level 2	STD2 580-385060/15	032422a033.D
Level 3	STD3 580-385060/14	032422a031.D
Level 4	STD4 580-385060/13	032422a029.D
Level 5	STD5 580-385060/12	032422a027.D
Level 6	STD6 580-385060/11	032422a025.D
Level 7	STD7 580-385060/10	032422a023.D
Level 8	STD8 580-385060/9	032422a021.D
Level 9	STD9IS 580-385060/8	032422a019.D
Level 10	STD10 580-385060/7	032422a017.D
Level 11	STD11 580-385060/6	032422a015.D
Level 12	STD12 580-385060/5	032422a013.D
Level 13	STD13 580-385060/4	032422a011.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #	LVL 9 #	LVL 10 #	LVL 11 #	LVL 12 #	LVL 7	LVL 8	LVL 9	LVL 10	LVL 11	LVL 12
Naphthalene	6.4						50					
2-Methylnaphthalene	-6.9						50					
1-Methylnaphthalene	-3.1						50					
Acenaphthylene	-6.9						50					
Acenaphthene	-1.6						50					
Fluorene	+++++	+++++	-25.6						50			
Pentachlorophenol	+++++	+++++	+++++	+++++	+++++	32.8 *						30
Phenanthrene	8.9						50					

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 385060

SDG No.: _____

Instrument ID: SEA101 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2022 17:00 Calibration End Date: 03/25/2022 02:32 Calibration ID: 32244

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #	LVL 9 #	LVL 10 #	LVL 11 #	LVL 12 #	LVL 7	LVL 8	LVL 9	LVL 10	LVL 11	LVL 12
Anthracene	+++++	9.2						50				
Fluoranthene	-20.0						50					
	+++++											
Pyrene	-1.4						50					
Benzo[a]anthracene	7.7						50					
Chrysene	-2.5						50					
Benzo[b]fluoranthene	4.0						50					
Benzo[k]fluoranthene	3.2						50					
Benzo[a]pyrene	-15.9						50					
Indeno[1,2,3-cd]pyrene	-7.6						50					
Dibenz(a,h)anthracene	+++++	+++++	8.4						50			
Benzo[g,h,i]perylene	-5.0						50					
2-methylnaphthalene-d10	0.0						50					
2-Fluorobiphenyl	13.5						50					

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 385060

SDG No.: _____

Instrument ID: SEA101 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2022 17:00 Calibration End Date: 03/25/2022 02:32 Calibration ID: 32244

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #	LVL 9 #	LVL 10 #	LVL 11 #	LVL 12 #	LVL 7	LVL 8	LVL 9	LVL 10	LVL 11	LVL 12
2,4,6-Tribromophenol	+++++	+++++	+++++	+++++	6.9						50	
	+++++											
Fluoranthene-d10 (Surr)	-16.2						50					
Terphenyl-d14	-17.0						50					

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a011.D
 Lims ID: std13
 Client ID:
 Sample Type: IC Calib Level: 13
 Inject. Date: 24-Mar-2022 17:00:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 13
 Operator ID: tl Instrument ID: SEA101
 Sublist: chrom-8270_SIM_SEA101*sub12
 Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 25-Mar-2022 13:30:10 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1605

First Level Reviewer: limmere

Date: 25-Mar-2022 12:53:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.552	5.606	-0.054	1	1596	100.0	100.0	
* 2 Naphthalene-d8	136	6.734	6.729	0.005	1	78466	100.0	100.0	
* 3 Acenaphthene-d10	164	8.188	8.188	0.000	1	39079	100.0	100.0	
* 4 Phenanthrene-d10	188	9.407	9.402	0.005	1	63723	100.0	100.0	
* 5 Chrysene-d12	240	11.610	11.604	0.006	1	63737	100.0	100.0	
* 6 Perylene-d12	264	13.154	13.143	0.011	1	65304	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.305	7.305	0.000	95	4291990	10000	9982.9	
\$ 8 2-Fluorobiphenyl	172	7.647	7.642	0.005	1	5307121	10000	8833.0	e
\$ 9 2,4,6-Tribromophenol	330	8.838	8.832	0.006	1	980971	10000	8403.1	
\$ 10 Fluoranthene-d10 (Surr)	212	10.382	10.377	0.005	99	7128650	10000	11672	e
\$ 11 Terphenyl-d14	244	10.725	10.721	0.004	1	5094205	10000	11665	
12 Naphthalene	128	6.749	6.749	0.000	1	6804306	10000	8347.5	e
13 2-Methylnaphthalene	142	7.336	7.331	0.005	1	4760636	10000	9756.9	
14 1-Methylnaphthalene	142	7.413	7.413	0.000	1	4603978	10000	9605.9	
15 Acenaphthylene	152	8.074	8.069	0.005	1	6576669	10000	9592.8	e
16 Acenaphthene	153	8.218	8.213	0.005	4	4760772	10000	9559.6	
17 Fluorene	166	8.643	8.637	0.006	1	5215609	10000	10477	
18 Pentachlorophenol	266	9.253	9.248	0.005	1	2271638	20000	19895	
19 Phenanthrene	178	9.429	9.418	0.011	1	7104714	10000	9514.2	e
20 Anthracene	178	9.468	9.462	0.006	1	6837262	10000	9570.4	e
21 Fluoranthene	202	10.400	10.391	0.009	1	7159950	10000	9898.6	e
22 Pyrene	202	10.581	10.576	0.004	20	7598786	10000	9989.0	e
23 Benzo[a]anthracene	228	11.599	11.588	0.011	1	7836353	10000	9327.3	e
24 Chrysene	228	11.637	11.626	0.011	1	7524300	10000	10208	
25 Benzo[b]fluoranthene	252	12.716	12.705	0.011	1	8250459	10000	10637	
26 Benzo[k]fluoranthene	252	12.748	12.737	0.011	1	8910982	10000	9815.9	
27 Benzo[a]pyrene	252	13.094	13.078	0.016	1	7723001	10000	10956	
28 Indeno[1,2,3-cd]pyrene	276	14.478	14.456	0.022	1	7956478	10000	12406	
29 Dibenz(a,h)anthracene	278	14.521	14.499	0.022	1	8933219	10000	9644.9	
30 Benzo[g,h,i]perylene	276	14.812	14.785	0.027	7	9645431	10000	10773	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

8270_ic_stk_00062

Amount Added: 100.00

Units: uL

8270SIM_IS_00070

Amount Added: 10.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a011.D

Injection Date: 24-Mar-2022 17:00:30

Instrument ID: SEA101

Lims ID: std13

Client ID:

Operator ID: tl

ALS Bottle#: 4

Worklist Smp#: 4

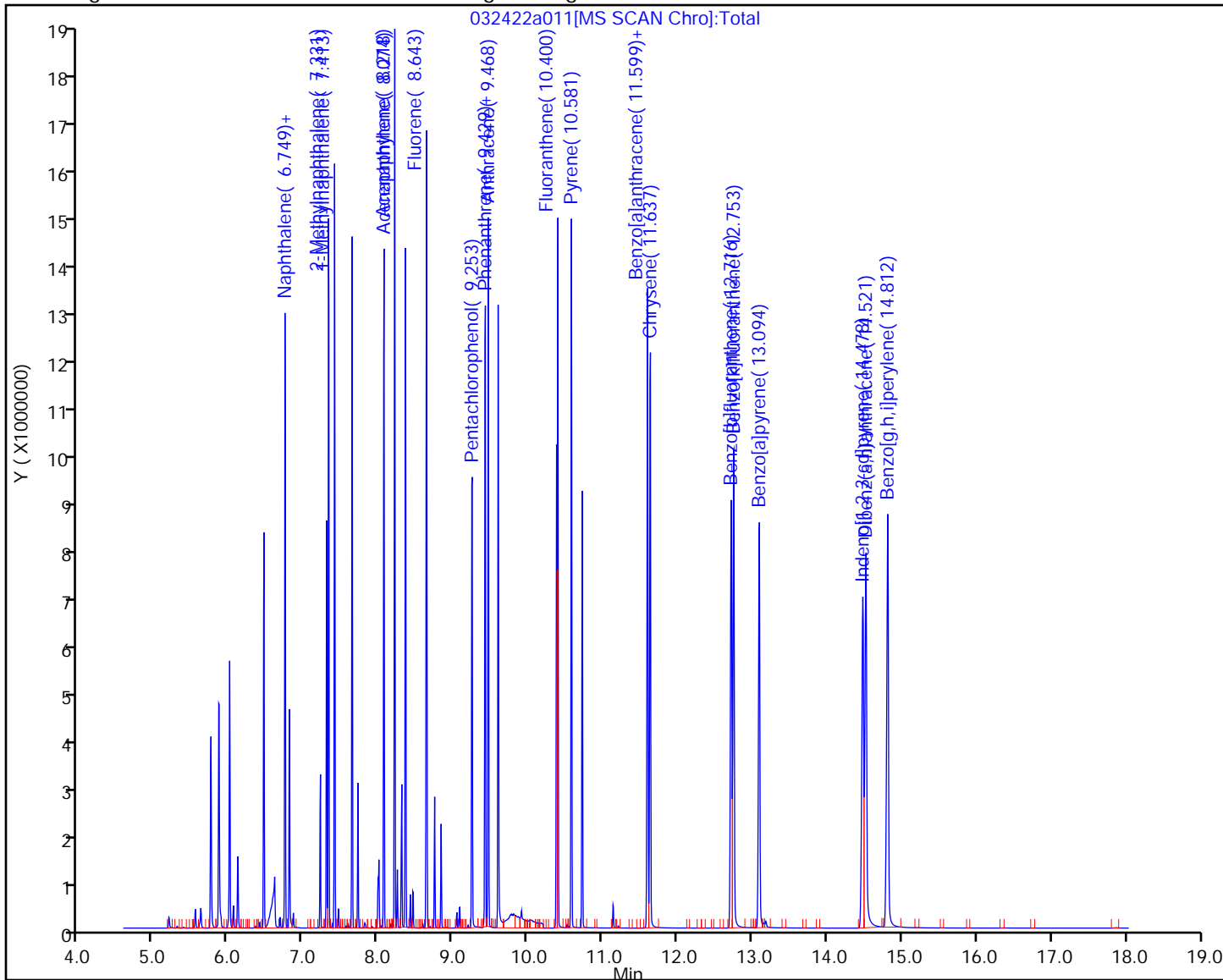
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a013.D
 Lims ID: std12
 Client ID:
 Sample Type: IC Calib Level: 12
 Inject. Date: 24-Mar-2022 17:51:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 12
 Operator ID: tl Instrument ID: SEA101
 Sublist: chrom-8270_SIM_SEA101*sub12

Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 25-Mar-2022 13:30:11 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1605

First Level Reviewer: limmere

Date: 25-Mar-2022 12:53:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	55594	100.0	100.0	
* 2 Naphthalene-d8	136	6.734	6.729	0.005	1	74649	100.0	100.0	
* 3 Acenaphthene-d10	164	8.188	8.188	0.000	1	37347	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	60715	100.0	100.0	
* 5 Chrysene-d12	240	11.604	11.604	0.000	1	56074	100.0	100.0	
* 6 Perylene-d12	264	13.149	13.143	0.005	1	58840	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.306	7.305	0.001	99	2134398	5000.0	5218.3	
\$ 8 2-Fluorobiphenyl	172	7.648	7.642	0.006	1	2635647	5000.0	4590.1	
\$ 9 2,4,6-Tribromophenol	330	8.838	8.832	0.006	1	448876	5000.0	4807.8	
\$ 10 Fluoranthene-d10 (Surr)	212	10.382	10.377	0.005	100	3403277	5000.0	5848.2	
\$ 11 Terphenyl-d14	244	10.721	10.721	0.000	1	2403508	5000.0	5776.1	
12 Naphthalene	128	6.749	6.749	0.000	1	3732877	5000.0	4813.6	
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	2405067	5000.0	5181.2	
14 1-Methylnaphthalene	142	7.413	7.413	0.000	1	2292157	5000.0	5027.0	
15 Acenaphthylene	152	8.070	8.069	0.001	1	3571811	5000.0	5451.5	
16 Acenaphthene	153	8.213	8.213	0.000	6	2374538	5000.0	4989.2	
17 Fluorene	166	8.638	8.637	0.001	1	2587730	5000.0	5439.5	
18 Pentachlorophenol	266	9.248	9.248	0.000	1	1026180	10000	10224	
19 Phenanthrene	178	9.424	9.418	0.006	1	3691786	5000.0	5188.8	
20 Anthracene	178	9.468	9.462	0.006	1	3720209	5000.0	5465.5	
21 Fluoranthene	202	10.395	10.391	0.004	1	3972572	5000.0	5764.2	
22 Pyrene	202	10.576	10.576	0.000	22	4091338	5000.0	5644.7	
23 Benzo[a]anthracene	228	11.594	11.588	0.006	1	3736275	5000.0	5379.3	
24 Chrysene	228	11.631	11.626	0.005	1	3665886	5000.0	4956.4	
25 Benzo[b]fluoranthene	252	12.710	12.705	0.005	1	3849622	5000.0	5508.2	
26 Benzo[k]fluoranthene	252	12.743	12.737	0.006	1	4157888	5000.0	4911.7	
27 Benzo[a]pyrene	252	13.084	13.078	0.006	1	3503246	5000.0	5515.6	
28 Indeno[1,2,3-cd]pyrene	276	14.467	14.456	0.011	1	3472902	5000.0	6009.8	
29 Dibenz(a,h)anthracene	278	14.510	14.499	0.011	1	3882999	5000.0	5072.7	
30 Benzo[g,h,i]perylene	276	14.796	14.785	0.011	7	4295108	5000.0	5324.3	

[QC Flag Legend](#)

Processing Flags

[Reagents:](#)

8270_ic_stk_00062

Amount Added: 50.00

Units: uL

8270SIM_IS_00070

Amount Added: 10.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a013.D

Injection Date: 24-Mar-2022 17:51:30

Instrument ID: SEA101

Lims ID: std12

Client ID:

Operator ID: tl

ALS Bottle#: 5

Worklist Smp#: 5

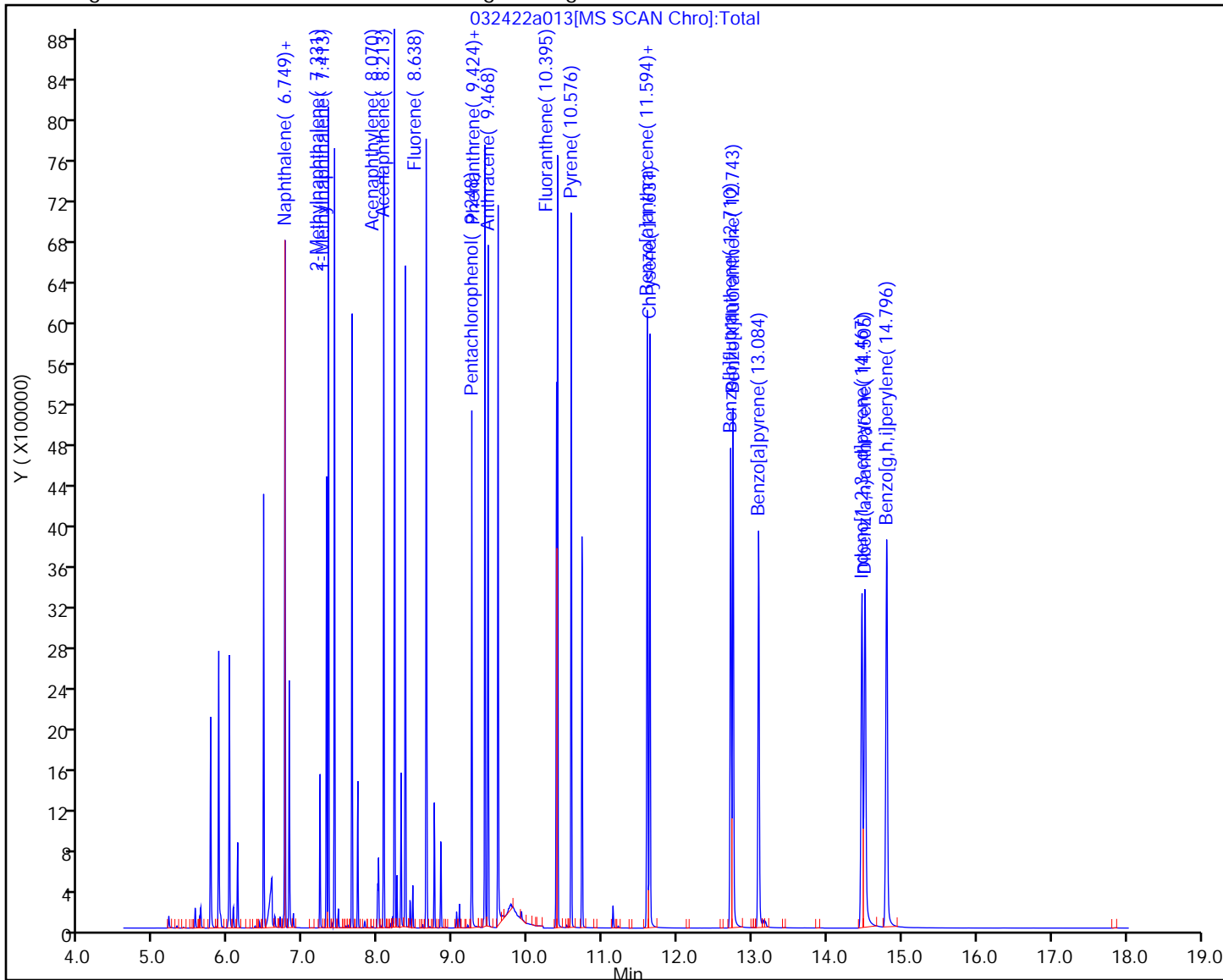
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a015.D
 Lims ID: std11
 Client ID:
 Sample Type: IC Calib Level: 11
 Inject. Date: 24-Mar-2022 18:41:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 11
 Operator ID: tl Instrument ID: SEA101
 Sublist: chrom-8270_SIM_SEA101*sub12
 Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 25-Mar-2022 13:30:13 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1605

First Level Reviewer: limmere Date: 25-Mar-2022 12:54:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	52503	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	70105	100.0	100.0	
* 3 Acenaphthene-d10	164	8.188	8.188	0.000	1	34220	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	57275	100.0	100.0	
* 5 Chrysene-d12	240	11.604	11.604	0.000	1	51146	100.0	100.0	
* 6 Perylene-d12	264	13.148	13.143	0.005	1	49847	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.306	7.305	0.001	100	824303	2000.0	2145.9	
\$ 8 2-Fluorobiphenyl	172	7.642	7.642	0.000	1	1012748	2000.0	1924.9	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	159858	2000.0	2182.9	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	99	1278056	2000.0	2328.1	
\$ 11 Terphenyl-d14	244	10.721	10.721	0.000	1	903404	2000.0	2301.5	
12 Naphthalene	128	6.749	6.749	0.000	1	1451849	2000.0	1993.5	
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	940424	2000.0	2157.3	
14 1-Methylnaphthalene	142	7.413	7.413	0.000	1	893067	2000.0	2085.6	
15 Acenaphthylene	152	8.070	8.069	0.001	1	1347983	2000.0	2245.4	
16 Acenaphthene	153	8.213	8.213	0.000	5	908711	2000.0	2083.8	
17 Fluorene	166	8.637	8.637	0.000	1	987531	2000.0	2265.5	
18 Pentachlorophenol	266	9.248	9.248	0.000	1	355799	4000.0	4138.5	
19 Phenanthrene	178	9.424	9.418	0.006	1	1412981	2000.0	2105.2	
20 Anthracene	178	9.462	9.462	0.000	1	1407323	2000.0	2192.1	
21 Fluoranthene	202	10.395	10.391	0.004	1	1524592	2000.0	2345.0	
22 Pyrene	202	10.576	10.576	0.000	22	1553945	2000.0	2272.7	
23 Benzo[a]anthracene	228	11.594	11.588	0.006	1	1365975	2000.0	2270.9	
24 Chrysene	228	11.626	11.626	0.000	1	1419766	2000.0	1966.5	
25 Benzo[b]fluoranthene	252	12.705	12.705	0.000	1	1346331	2000.0	2273.9	
26 Benzo[k]fluoranthene	252	12.737	12.737	0.000	1	1601106	2000.0	2191.7	
27 Benzo[a]pyrene	252	13.078	13.078	0.000	1	1253361	2000.0	2329.3	
28 Indeno[1,2,3-cd]pyrene	276	14.456	14.456	0.000	1	1180341	2000.0	2411.1	
29 Dibenz(a,h)anthracene	278	14.499	14.499	0.000	1	1379203	2000.0	2253.0	
30 Benzo[g,h,i]perylene	276	14.785	14.785	0.000	6	1536488	2000.0	2248.3	

[QC Flag Legend](#)

Processing Flags

[Reagents:](#)

8270_ic_stk_00062

Amount Added: 20.00

Units: uL

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a015.D

Injection Date: 24-Mar-2022 18:41:30

Instrument ID: SEA101

Lims ID: std11

Client ID:

Operator ID: tl

ALS Bottle#: 6

Worklist Smp#: 6

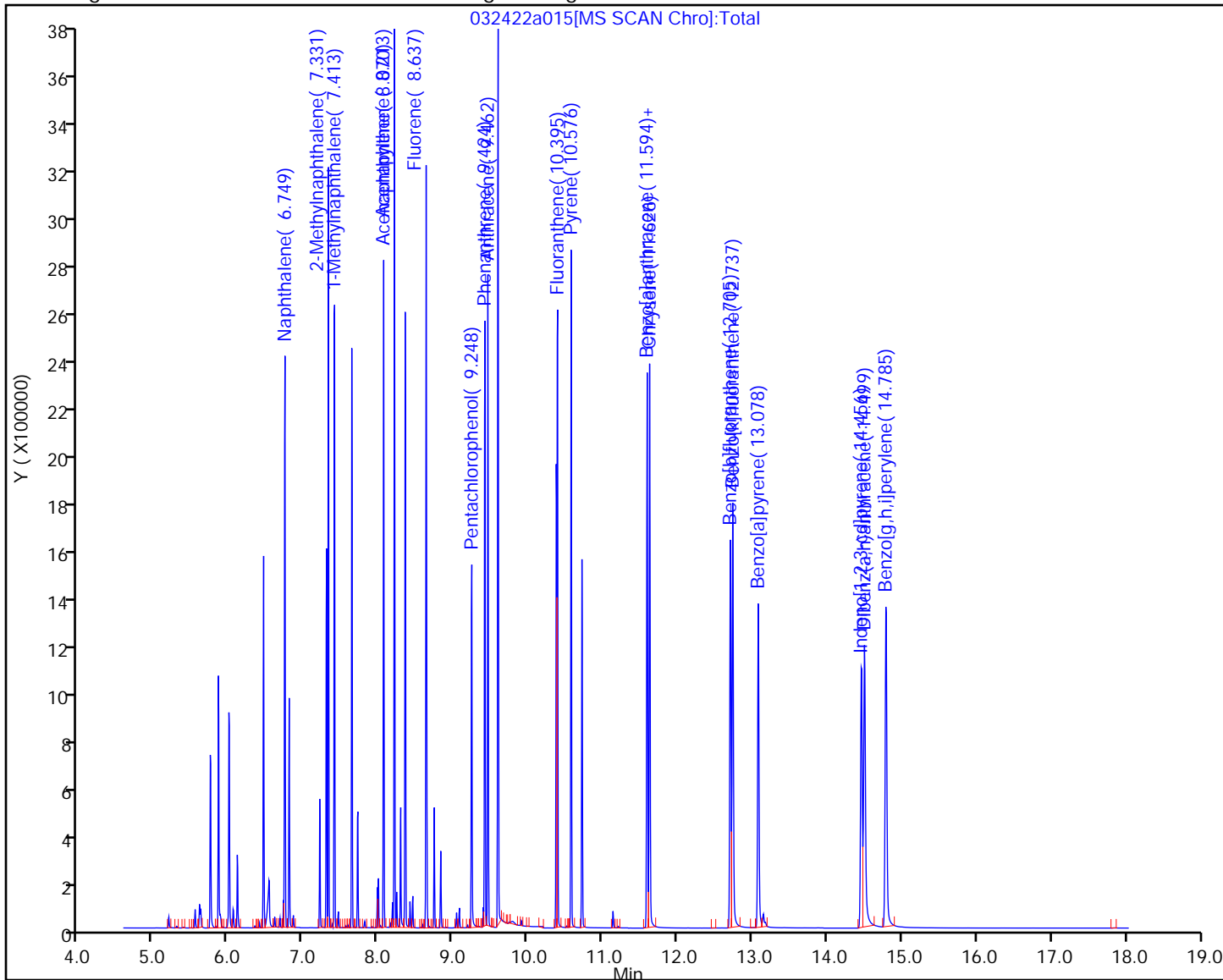
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a017.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 10
 Inject. Date: 24-Mar-2022 19:31:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 10
 Operator ID: tl Instrument ID: SEA101
 Sublist: chrom-8270_SIM_SEA101*sub12

Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 25-Mar-2022 13:30:15 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1605

First Level Reviewer: limmere

Date: 25-Mar-2022 12:54:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	53659	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	70581	100.0	100.0	
* 3 Acenaphthene-d10	164	8.188	8.188	0.000	1	34470	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	56044	100.0	100.0	
* 5 Chrysene-d12	240	11.604	11.604	0.000	1	49185	100.0	100.0	
* 6 Perylene-d12	264	13.148	13.143	0.005	1	47562	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.305	7.305	0.000	100	406827	1000.0	1052.0	
\$ 8 2-Fluorobiphenyl	172	7.642	7.642	0.000	1	504978	1000.0	952.9	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	73047	1000.0	1070.6	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	600824	1000.0	1118.5	
\$ 11 Terphenyl-d14	244	10.721	10.721	0.000	1	433220	1000.0	1127.9	
12 Naphthalene	128	6.749	6.749	0.000	1	732424	1000.0	998.9	
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	469398	1000.0	1069.5	
14 1-Methylnaphthalene	142	7.408	7.413	-0.005	1	450200	1000.0	1044.3	
15 Acenaphthylene	152	8.069	8.069	0.000	1	647106	1000.0	1070.1	
16 Acenaphthene	153	8.213	8.213	0.000	4	447042	1000.0	1017.7	
17 Fluorene	166	8.637	8.637	0.000	1	483146	1000.0	1100.4	
18 Pentachlorophenol	266	9.248	9.248	0.000	1	155230	2000.0	1884.4	
19 Phenanthrene	178	9.424	9.418	0.006	1	695482	1000.0	1059.0	
20 Anthracene	178	9.462	9.462	0.000	1	679113	1000.0	1081.3	
21 Fluoranthene	202	10.391	10.391	0.000	1	732186	1000.0	1150.9	
22 Pyrene	202	10.576	10.576	0.000	22	743132	1000.0	1110.7	
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	638653	1000.0	1126.2	
24 Chrysene	228	11.626	11.626	0.000	1	679073	1000.0	956.8	
25 Benzo[b]fluoranthene	252	12.705	12.705	0.000	1	640543	1000.0	1133.8	
26 Benzo[k]fluoranthene	252	12.737	12.737	0.000	1	737687	1000.0	1050.3	
27 Benzo[a]pyrene	252	13.078	13.078	0.000	1	574916	1000.0	1119.8	
28 Indeno[1,2,3-cd]pyrene	276	14.456	14.456	0.000	1	532109	1000.0	1139.2	
29 Dibenz(a,h)anthracene	278	14.499	14.499	0.000	1	636069	1000.0	1116.5	
30 Benzo[g,h,i]perylene	276	14.785	14.785	0.000	7	720031	1000.0	1104.2	

[QC Flag Legend](#)

Processing Flags

[Reagents:](#)

ccv_8270_1000_00057

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a017.D

Injection Date: 24-Mar-2022 19:31:30

Instrument ID: SEA101

Lims ID: std10

Client ID:

Operator ID: tl

ALS Bottle#: 7

Worklist Smp#: 7

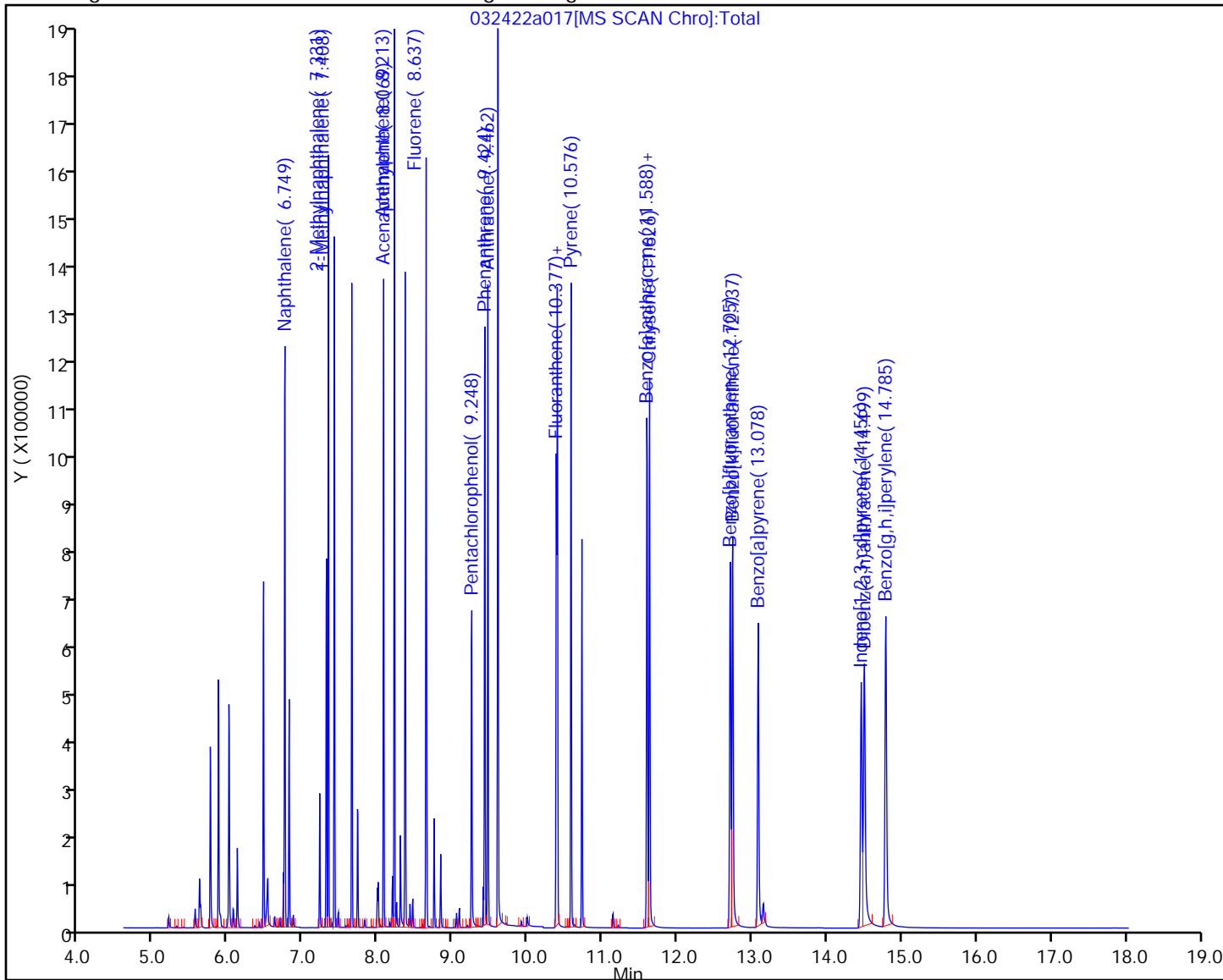
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a019.D
 Lims ID: std9is
 Client ID:
 Sample Type: ICIS Calib Level: 9
 Inject. Date: 24-Mar-2022 20:22:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 9
 Operator ID: tl Instrument ID: SEA101
 Sublist: chrom-8270_SIM_SEA101*sub12

Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 13:24:37 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1643

First Level Reviewer: limmere

Date: 28-Mar-2022 13:24:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	54970	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	72529	100.0	100.0	
* 3 Acenaphthene-d10	164	8.188	8.188	0.000	1	34295	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	57916	100.0	100.0	
* 5 Chrysene-d12	240	11.604	11.604	0.000	1	48606	100.0	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	49693	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.305	7.305	0.000	99	207280	500.0	521.6	
\$ 8 2-Fluorobiphenyl	172	7.642	7.642	0.000	1	256958	500.0	487.3	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	34193	500.0	528.8	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	293010	500.0	527.8	
\$ 11 Terphenyl-d14	244	10.721	10.721	0.000	1	212644	500.0	535.7	
12 Naphthalene	128	6.749	6.749	0.000	1	376666	500.0	499.9	
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	236877	500.0	525.2	
14 1-Methylnaphthalene	142	7.413	7.413	0.000	1	228796	500.0	516.4	
15 Acenaphthylene	152	8.069	8.069	0.000	1	320445	500.0	532.6	
16 Acenaphthene	153	8.213	8.213	0.000	4	223137	500.0	510.6	
17 Fluorene	166	8.637	8.637	0.000	1	242887	500.0	556.0	
18 Pentachlorophenol	266	9.248	9.248	0.000	1	67648	1000.0	888.0	
19 Phenanthrene	178	9.418	9.418	0.000	1	350149	500.0	515.9	
20 Anthracene	178	9.462	9.462	0.000	1	339805	500.0	523.8	
21 Fluoranthene	202	10.391	10.391	0.000	1	359979	500.0	547.6	
22 Pyrene	202	10.576	10.576	0.000	22	364585	500.0	527.3	
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	304404	500.0	548.7	
24 Chrysene	228	11.626	11.626	0.000	1	337916	500.0	476.8	
25 Benzo[b]fluoranthene	252	12.705	12.705	0.000	1	321030	500.0	543.9	
26 Benzo[k]fluoranthene	252	12.737	12.737	0.000	1	359414	500.0	488.1	
27 Benzo[a]pyrene	252	13.078	13.078	0.000	1	289778	500.0	540.2	
28 Indeno[1,2,3-cd]pyrene	276	14.456	14.456	0.000	1	259306	500.0	531.3	
29 Dibenz(a,h)anthracene	278	14.499	14.499	0.000	1	311803	500.0	531.6	
30 Benzo[g,h,i]perylene	276	14.785	14.785	0.000	7	361135	500.0	530.1	

[QC Flag Legend](#)

Processing Flags

[Reagents:](#)

ccv_SIM_500_00084

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a019.D

Injection Date: 24-Mar-2022 20:22:30

Instrument ID: SEA101

Lims ID: std9is

Client ID:

Operator ID: tl

ALS Bottle#: 8

Worklist Smp#: 8

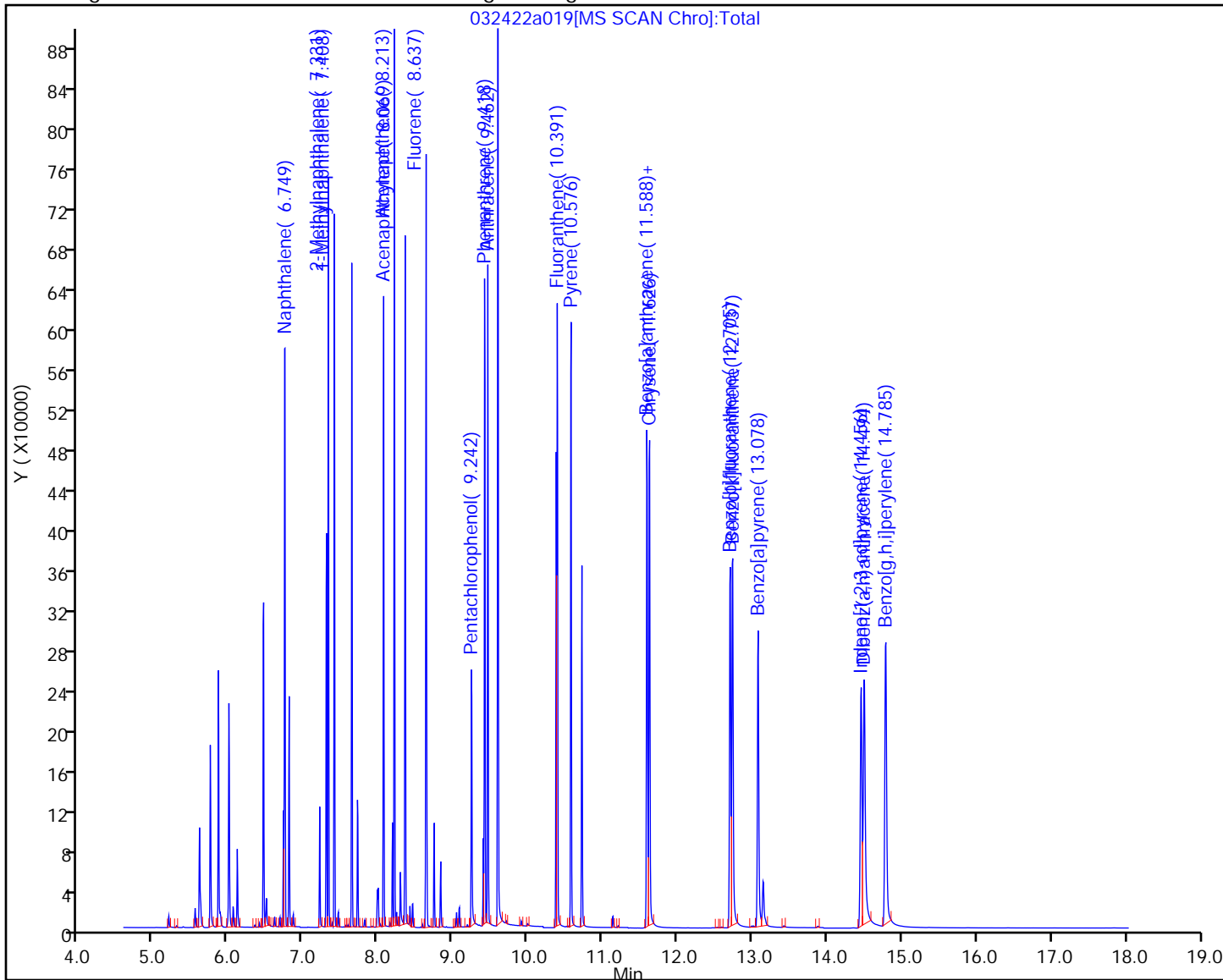
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a021.D
 Lims ID: std8
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 24-Mar-2022 21:12:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 8
 Operator ID: tl Instrument ID: SEA101
 Sublist: chrom-8270_SIM_SEA101*sub12

Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 25-Mar-2022 13:30:18 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1605

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	52183	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	66606	100.0	100.0	
* 3 Acenaphthene-d10	164	8.188	8.188	0.000	1	30293	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	51189	100.0	100.0	
* 5 Chrysene-d12	240	11.599	11.604	-0.005	1	40492	100.0	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	38282	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.305	7.305	0.000	99	74088	200.0	203.0	
\$ 8 2-Fluorobiphenyl	172	7.642	7.642	0.000	1	93673	200.0	201.1	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	10506	200.0	195.9	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	98706	200.0	201.2	
\$ 11 Terphenyl-d14	244	10.721	10.721	0.000	1	72586	200.0	206.9	
12 Naphthalene	128	6.744	6.749	-0.005	1	140438	200.0	203.0	
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	86721	200.0	209.4	
14 1-Methylnaphthalene	142	7.408	7.413	-0.005	1	85014	200.0	209.0	
15 Acenaphthylene	152	8.069	8.069	0.000	1	109531	200.0	206.1	
16 Acenaphthene	153	8.213	8.213	0.000	3	78871	200.0	204.3	
17 Fluorene	166	8.637	8.637	0.000	1	83915	200.0	217.5	
18 Pentachlorophenol	266	9.248	9.248	0.000	1	18573	400.0	345.3	
19 Phenanthrene	178	9.418	9.418	0.000	1	124229	200.0	207.1	
20 Anthracene	178	9.462	9.462	0.000	1	115976	200.0	202.6	
21 Fluoranthene	202	10.391	10.391	0.000	1	123357	200.0	212.3	
22 Pyrene	202	10.576	10.576	0.000	22	124618	200.0	203.9	
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	89855	200.0	195.7	
24 Chrysene	228	11.626	11.626	0.000	1	121257	200.0	204.1	
25 Benzo[b]fluoranthene	252	12.705	12.705	0.000	1	88975	200.0	195.7	
26 Benzo[k]fluoranthene	252	12.732	12.737	-0.005	1	124060	200.0	218.4	
27 Benzo[a]pyrene	252	13.073	13.078	-0.005	1	86766	200.0	210.0	
28 Indeno[1,2,3-cd]pyrene	276	14.451	14.456	-0.005	1	69392	200.0	184.6	
29 Dibenz(a,h)anthracene	278	14.494	14.499	-0.005	1	90067	200.0	202.1	
30 Benzo[g,h,i]perylene	276	14.780	14.785	-0.005	7	109026	200.0	207.7	

Reagents:

8270SIM_IS_00069
ccv_8270_1000_00057

Amount Added: 8.00
Amount Added: 200.00

Units: uL
Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a021.D

Injection Date: 24-Mar-2022 21:12:30

Instrument ID: SEA101

Lims ID: std8

Client ID:

Operator ID: tl

ALS Bottle#: 9

Worklist Smp#: 9

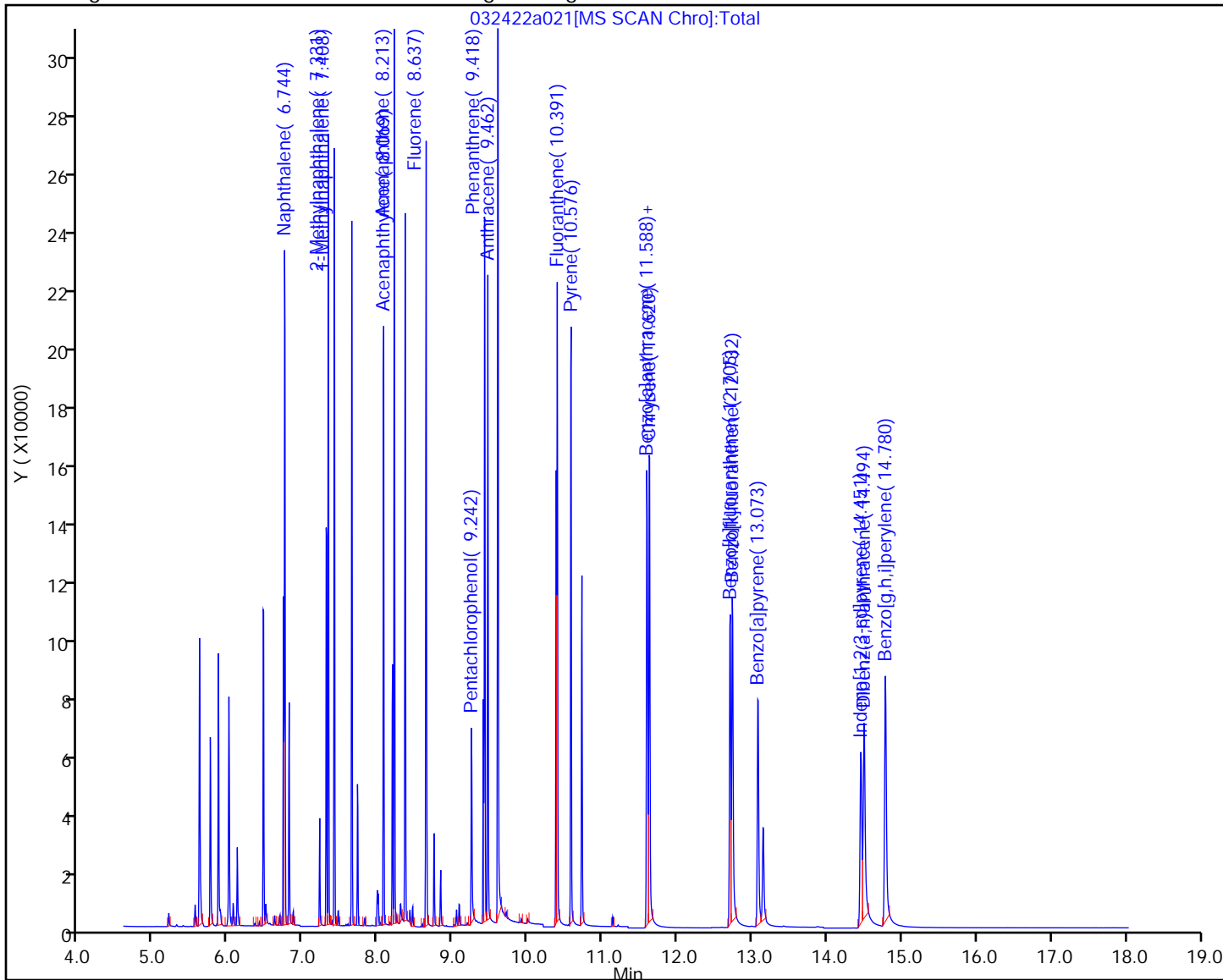
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a023.D
 Lims ID: std7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 24-Mar-2022 22:01:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 7
 Operator ID: tl Instrument ID: SEA101
 Sublist: chrom-8270_SIM_SEA101*sub12

Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 25-Mar-2022 13:30:20 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1605

First Level Reviewer: limmere Date: 25-Mar-2022 12:54:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	51184	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	64709	100.0	100.0	
* 3 Acenaphthene-d10	164	8.188	8.188	0.000	1	28296	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	45767	100.0	100.0	
* 5 Chrysene-d12	240	11.599	11.604	-0.005	1	34136	100.0	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	32898	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.305	-0.005	96	35592	100.0	100.4	
\$ 8 2-Fluorobiphenyl	172	7.642	7.642	0.000	1	43686	100.0	100.4	a
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	3992	100.0	87.3	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	42062	100.0	95.9	
\$ 11 Terphenyl-d14	244	10.721	10.721	0.000	1	30686	100.0	97.8	
12 Naphthalene	128	6.744	6.749	-0.005	1	68550	100.0	102.0	
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	40792	100.0	101.4	
14 1-Methylnaphthalene	142	7.408	7.413	-0.005	1	39853	100.0	100.8	
15 Acenaphthylene	152	8.070	8.069	0.001	1	48967	100.0	98.6	
16 Acenaphthene	153	8.213	8.213	0.000	3	36458	100.0	101.1	
17 Fluorene	166	8.637	8.637	0.000	1	37070	100.0	102.8	
18 Pentachlorophenol	266	9.248	9.248	0.000	1	6081	200.0	185.3	
19 Phenanthrene	178	9.418	9.418	0.000	1	55126	100.0	102.8	
20 Anthracene	178	9.463	9.462	0.000	1	50382	100.0	98.7	
21 Fluoranthene	202	10.391	10.391	0.000	1	52593	100.0	101.2	
22 Pyrene	202	10.576	10.576	0.000	22	54477	100.0	99.7	
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	35121	100.0	90.9	
24 Chrysene	228	11.621	11.626	-0.005	1	52337	100.0	104.2	
25 Benzo[b]fluoranthene	252	12.699	12.705	-0.006	1	36068	100.0	92.3	
26 Benzo[k]fluoranthene	252	12.732	12.737	-0.005	1	49447	100.0	101.3	
27 Benzo[a]pyrene	252	13.073	13.078	-0.005	1	34182	100.0	96.3	
28 Indeno[1,2,3-cd]pyrene	276	14.451	14.456	-0.005	1	29409	100.0	91.0	
29 Dibenz(a,h)anthracene	278	14.494	14.499	-0.005	1	36150	100.0	95.8	
30 Benzo[g,h,i]perylene	276	14.780	14.785	-0.005	7	45068	100.0	99.9	

[QC Flag Legend](#)

Processing Flags

Review Flags

a - User Assigned ID

[Reagents:](#)

ccv_8270_1000_00057

Amount Added: 100.00

Units: uL

8270SIM_IS_00069

Amount Added: 9.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a023.D

Injection Date: 24-Mar-2022 22:01:30

Instrument ID: SEA101

Lims ID: std7

Client ID:

Operator ID: tl

ALS Bottle#: 10

Worklist Smp#: 10

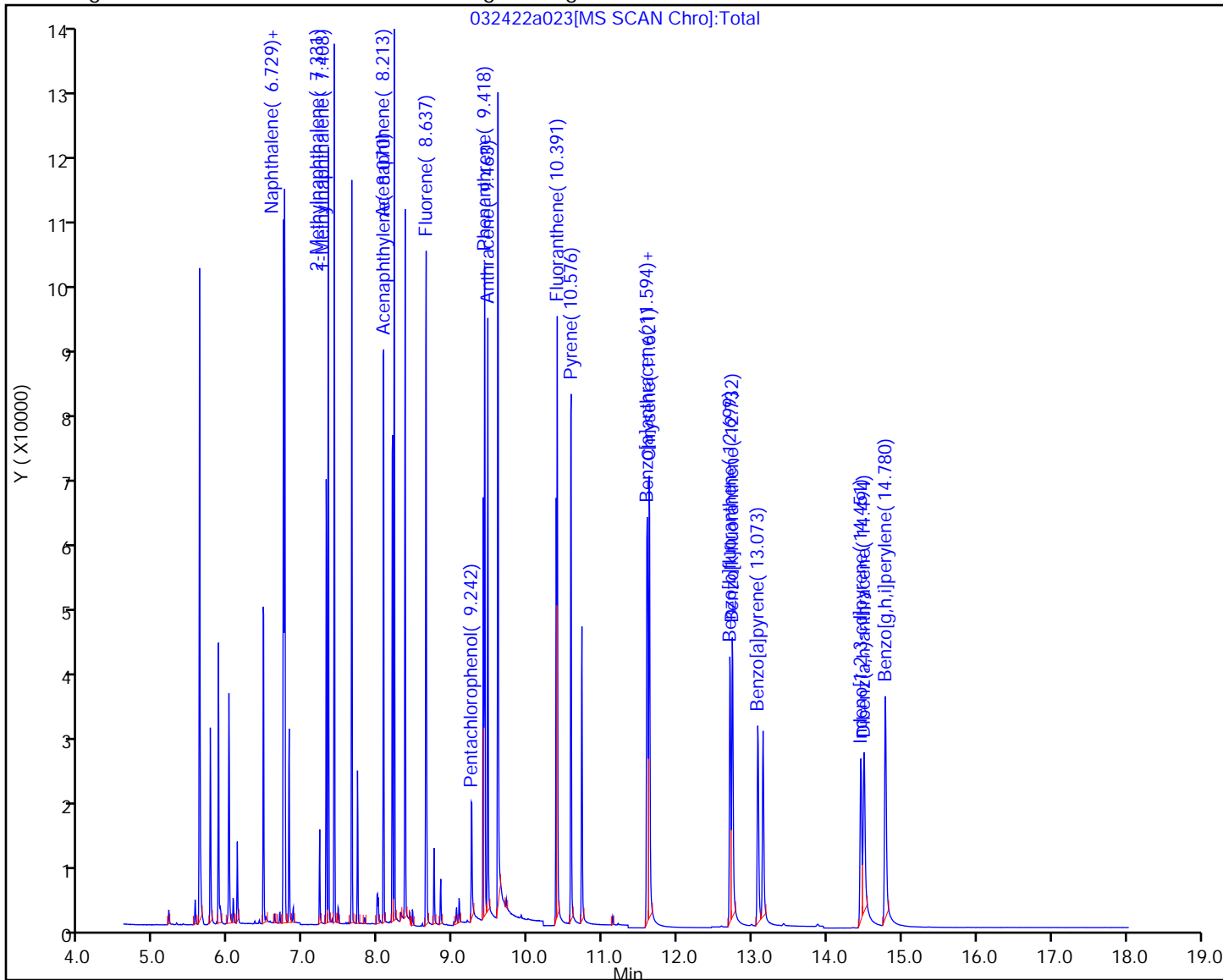
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



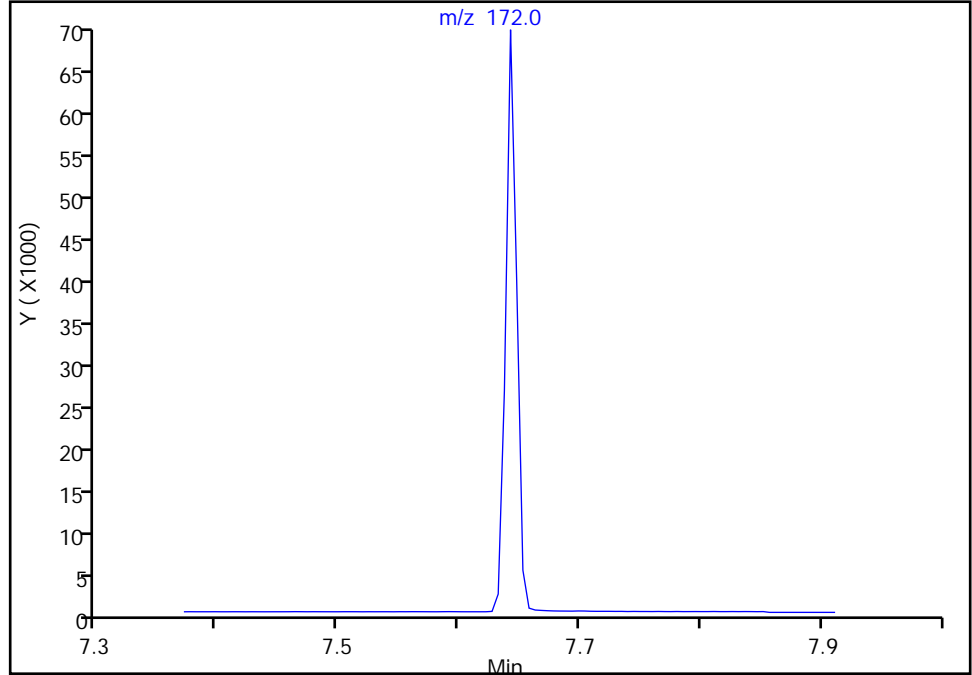
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a023.D
Injection Date: 24-Mar-2022 22:01:30 Instrument ID: SEA101
Lims ID: std7
Client ID:
Operator ID: tl ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 8 2-Fluorobiphenyl, CAS: 321-60-8
Signal: 1

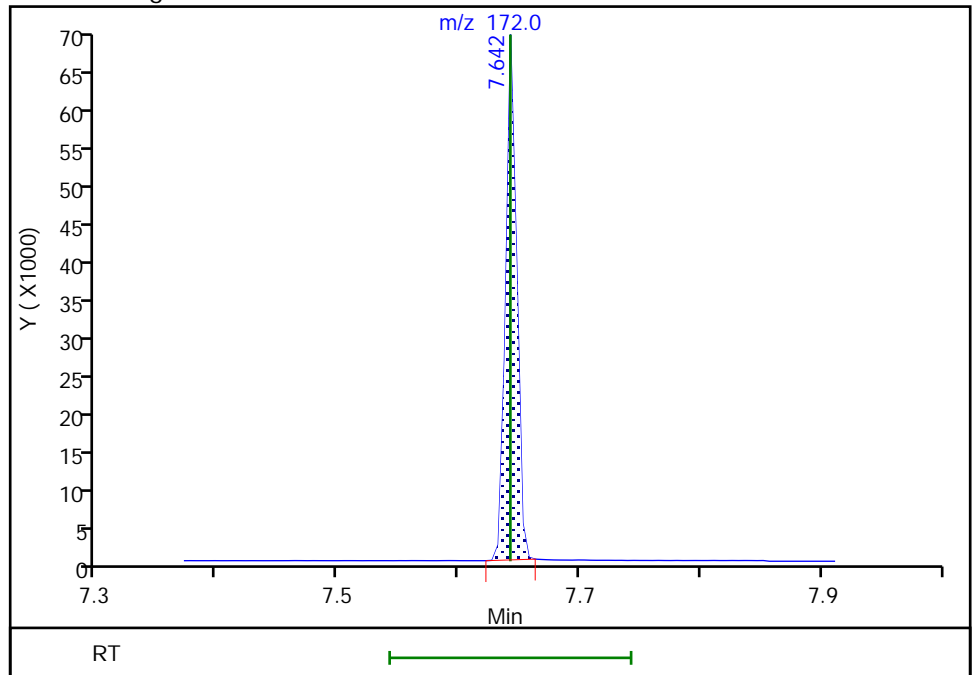
Not Detected
Expected RT: 7.64

Processing Integration Results



Manual Integration Results

RT: 7.64
Area: 43686
Amount: 100.4179
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:54:46
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a025.D
 Lims ID: std6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 24-Mar-2022 22:51:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 6
 Operator ID: tl Instrument ID: SEA101
 Sublist: chrom-8270_SIM_SEA101*sub12

Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 25-Mar-2022 13:30:21 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1605

First Level Reviewer: limmere Date: 25-Mar-2022 12:55:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	49814	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	63228	100.0	100.0	
* 3 Acenaphthene-d10	164	8.188	8.188	0.000	1	26742	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	43178	100.0	100.0	
* 5 Chrysene-d12	240	11.599	11.604	-0.005	1	33260	100.0	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	31679	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.306	7.305	0.001	99	17172	50.0	49.6	
\$ 8 2-Fluorobiphenyl	172	7.642	7.642	0.000	1	21446	50.0	52.2	a
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	1617	50.0	44.2	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	19950	50.0	48.2	
\$ 11 Terphenyl-d14	244	10.721	10.721	0.000	1	14735	50.0	49.8	
12 Naphthalene	128	6.744	6.749	-0.005	1	33763	50.0	51.4	
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	19568	50.0	49.8	
14 1-Methylnaphthalene	142	7.408	7.413	-0.005	1	19485	50.0	50.5	
15 Acenaphthylene	152	8.070	8.069	0.001	1	23206	50.0	49.5	
16 Acenaphthene	153	8.213	8.213	0.000	4	17427	50.0	51.1	
17 Fluorene	166	8.637	8.637	0.000	1	16730	50.0	49.1	
18 Pentachlorophenol	266	9.248	9.248	0.000	1	2264	100.0	132.8	
19 Phenanthrene	178	9.418	9.418	0.000	1	25593	50.0	50.6	
20 Anthracene	178	9.462	9.462	0.000	1	23041	50.0	48.1	
21 Fluoranthene	202	10.391	10.391	0.000	1	24770	50.0	50.5	
22 Pyrene	202	10.576	10.576	0.000	22	25646	50.0	49.8	
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	18351	50.0	48.8	
24 Chrysene	228	11.626	11.626	0.000	1	24947	50.0	50.9	
25 Benzo[b]fluoranthene	252	12.699	12.705	-0.006	1	17435	50.0	46.3	
26 Benzo[k]fluoranthene	252	12.732	12.737	-0.005	1	23954	50.0	51.1	
27 Benzo[a]pyrene	252	13.078	13.078	0.000	1	16451	50.0	48.1	
28 Indeno[1,2,3-cd]pyrene	276	14.451	14.456	-0.005	1	14099	50.0	45.3	M
29 Dibenz(a,h)anthracene	278	14.494	14.499	-0.005	1	15331	50.0	43.5	a
30 Benzo[g,h,i]perylene	276	14.780	14.785	-0.005	7	20447	50.0	47.1	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

8270ccvl_50_00037

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a025.D

Injection Date: 24-Mar-2022 22:51:30

Instrument ID: SEA101

Lims ID: std6

Client ID:

Operator ID: tl

ALS Bottle#: 11

Worklist Smp#: 11

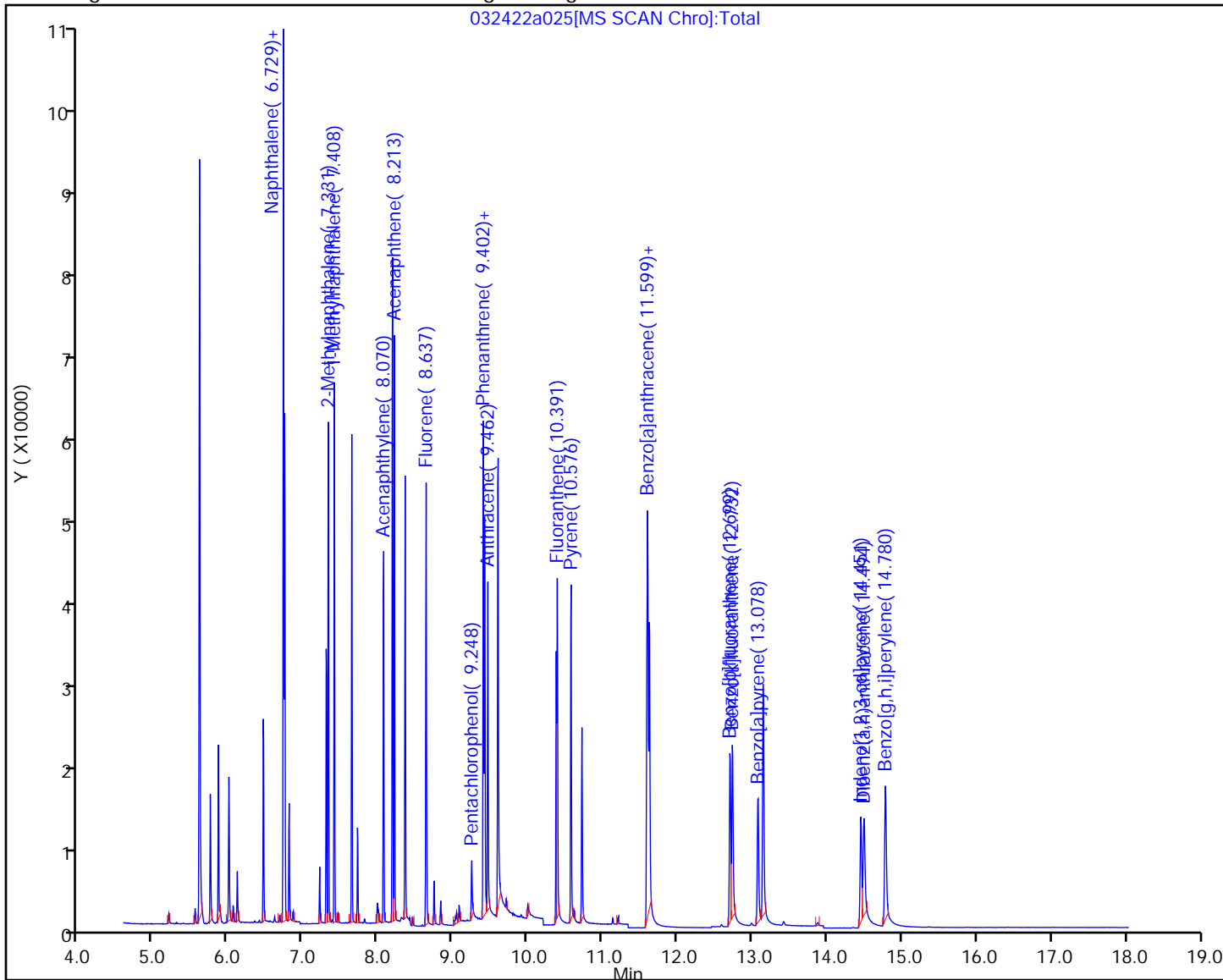
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



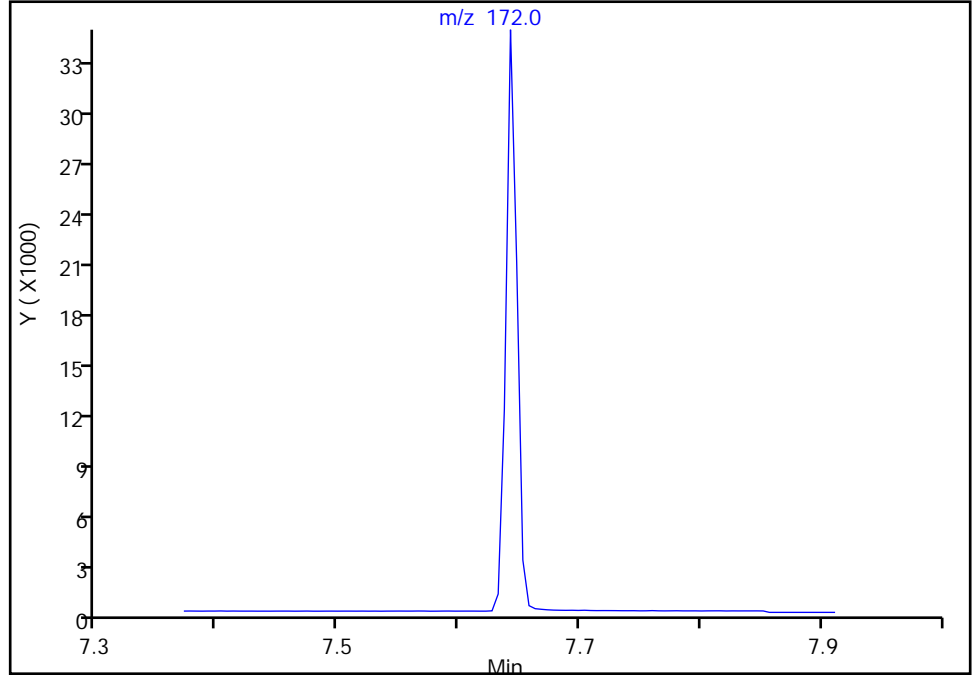
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a025.D
Injection Date: 24-Mar-2022 22:51:30 Instrument ID: SEA101
Lims ID: std6
Client ID:
Operator ID: tl ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 8 2-Fluorobiphenyl, CAS: 321-60-8
Signal: 1

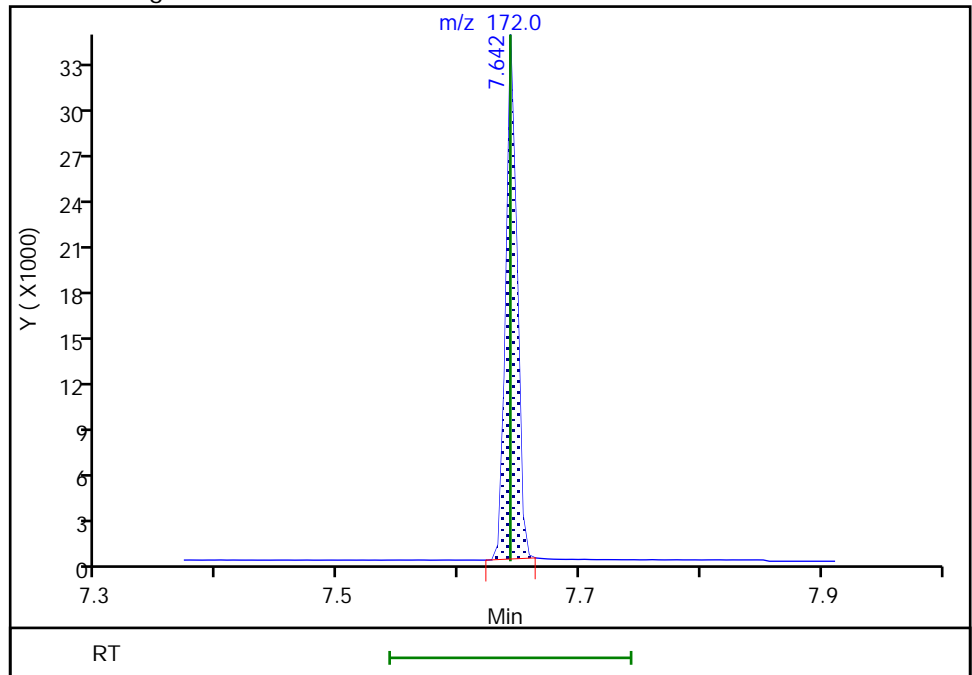
Not Detected
Expected RT: 7.64

Processing Integration Results



Manual Integration Results

RT: 7.64
Area: 21446
Amount: 52.161041
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:54:56
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle

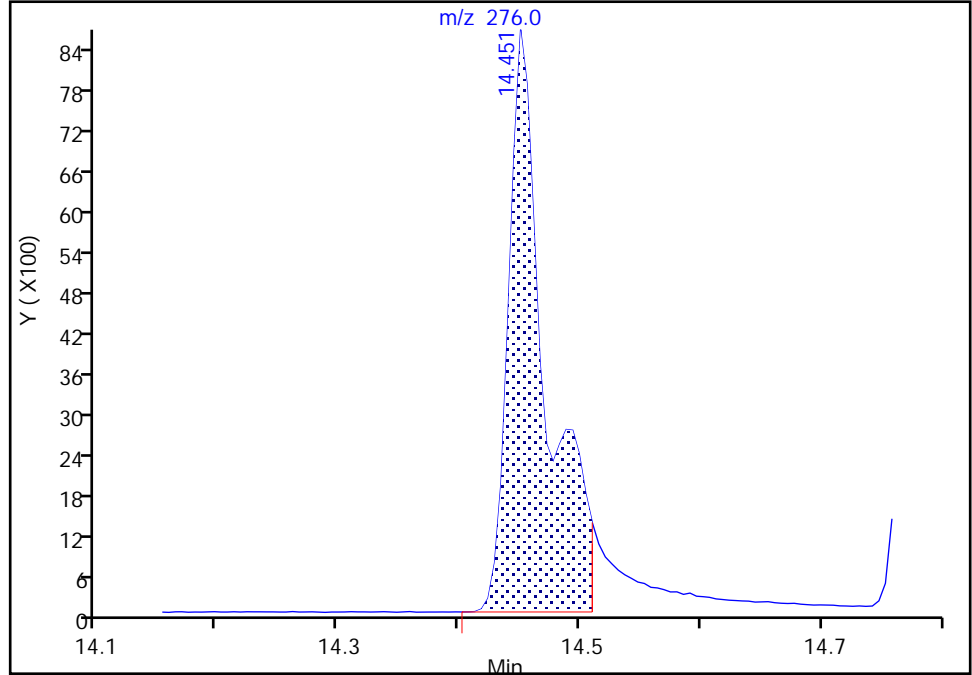
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a025.D
Injection Date: 24-Mar-2022 22:51:30 Instrument ID: SEA101
Lims ID: std6
Client ID:
Operator ID: tl ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

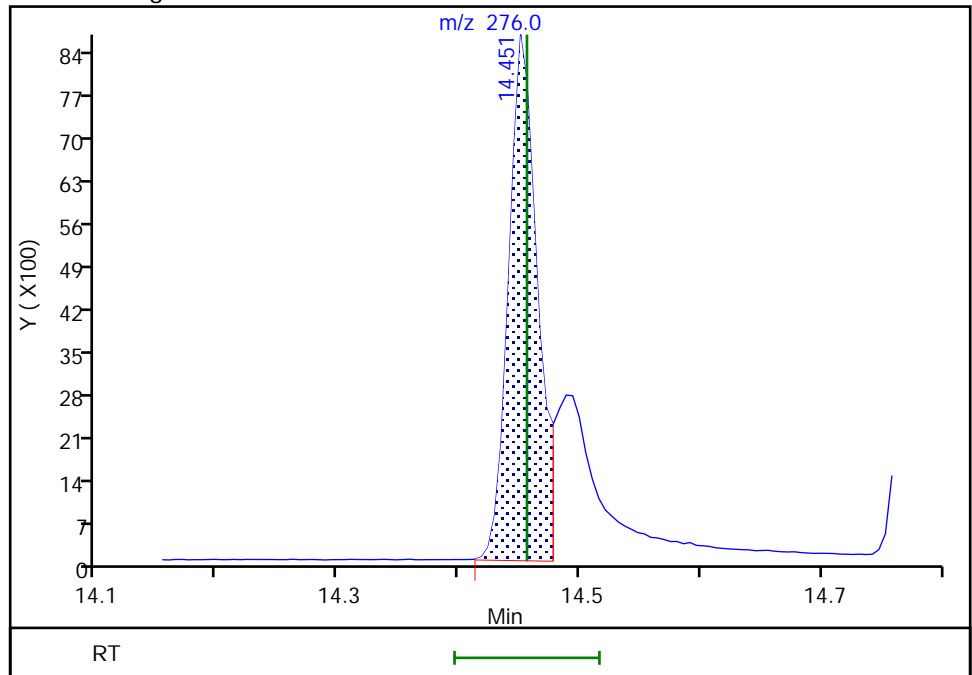
RT: 14.45
Area: 18477
Amount: 53.312856
Amount Units: ug/L

Processing Integration Results



RT: 14.45
Area: 14099
Amount: 45.316726
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 25-Mar-2022 12:55:10
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

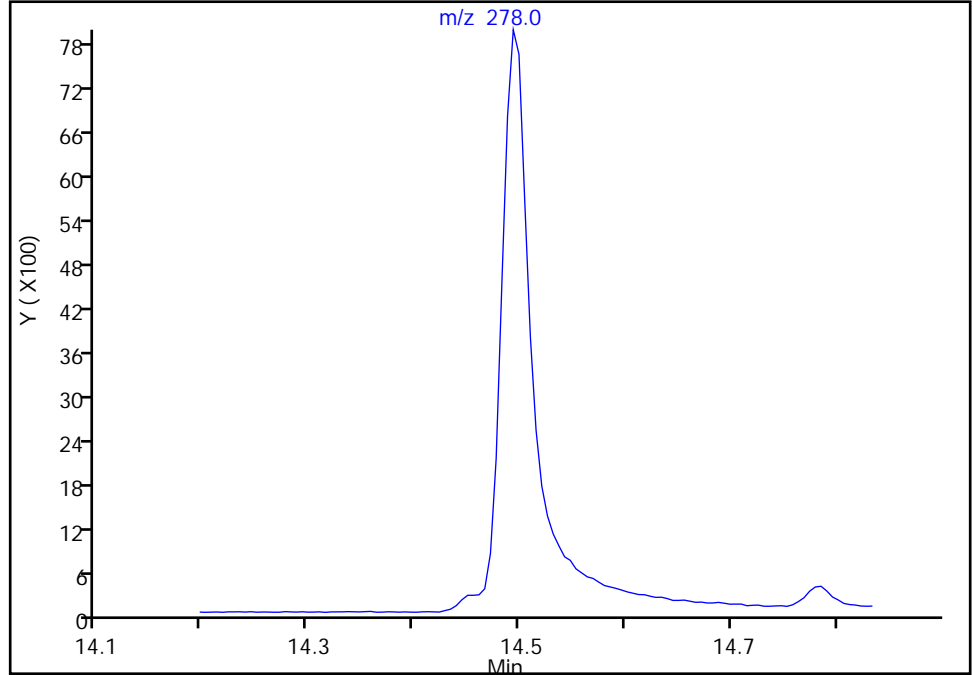
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a025.D
Injection Date: 24-Mar-2022 22:51:30 Instrument ID: SEA101
Lims ID: std6
Client ID:
Operator ID: tl ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

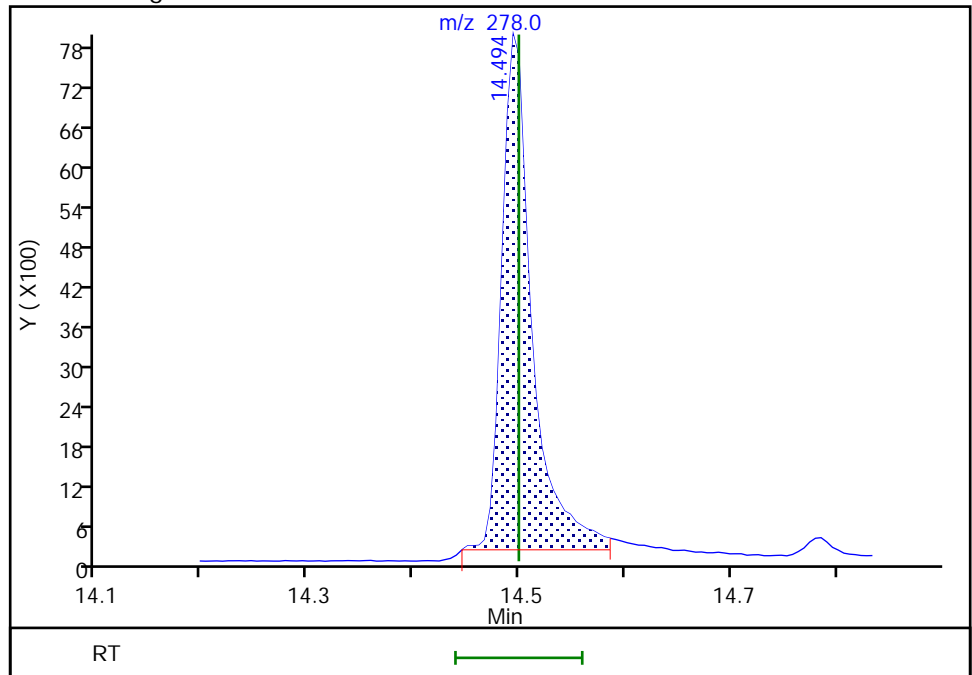
Not Detected
Expected RT: 14.50

Processing Integration Results



RT: 14.49
Area: 15331
Amount: 43.473446
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 25-Mar-2022 12:54:59
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a027.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 24-Mar-2022 23:40:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 5
 Operator ID: tl Instrument ID: SEA101
 Sublist: chrom-8270_SIM_SEA101*sub12

Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 25-Mar-2022 13:30:23 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1605

First Level Reviewer: limmere

Date: 25-Mar-2022 12:56:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	48937	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	61637	100.0	100.0	
* 3 Acenaphthene-d10	164	8.188	8.188	0.000	1	25596	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	39420	100.0	100.0	
* 5 Chrysene-d12	240	11.599	11.604	-0.005	1	29675	100.0	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	27886	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.305	-0.005	95	6555	20.0	19.4	
\$ 8 2-Fluorobiphenyl	172	7.643	7.642	0.000	1	8178	20.0	20.8	Ma
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	457	20.0	21.4	a
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	6844	20.0	18.1	
\$ 11 Terphenyl-d14	244	10.721	10.721	0.000	1	5184	20.0	19.2	
12 Naphthalene	128	6.744	6.749	-0.005	1	13252	20.0	20.7	
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	7536	20.0	19.7	
14 1-Methylnaphthalene	142	7.408	7.413	-0.005	1	7488	20.0	19.9	
15 Acenaphthylene	152	8.070	8.069	0.001	1	8484	20.0	18.9	
16 Acenaphthene	153	8.213	8.213	0.000	3	6540	20.0	20.0	
17 Fluorene	166	8.637	8.637	0.000	1	5700	20.0	17.5	
18 Pentachlorophenol	266	9.248	9.248	0.000	1	819	40.0	111.6	M
19 Phenanthrene	178	9.419	9.418	0.000	1	8283	20.0	17.9	
20 Anthracene	178	9.463	9.462	0.001	1	8101	20.0	18.9	
21 Fluoranthene	202	10.391	10.391	0.000	1	8316	20.0	18.6	
22 Pyrene	202	10.572	10.576	-0.004	22	8791	20.0	18.7	
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	6206	20.0	18.5	
24 Chrysene	228	11.621	11.626	-0.005	1	9217	20.0	21.0	
25 Benzo[b]fluoranthene	252	12.700	12.705	-0.005	1	6232	20.0	18.8	
26 Benzo[k]fluoranthene	252	12.732	12.737	-0.005	1	7725	20.0	18.8	
27 Benzo[a]pyrene	252	13.073	13.078	-0.005	1	5728	20.0	19.0	
28 Indeno[1,2,3-cd]pyrene	276	14.451	14.456	-0.005	1	4876	20.0	17.8	M
29 Dibenz(a,h)anthracene	278	14.494	14.499	-0.005	1	4872	20.0	17.1	a
30 Benzo[g,h,i]perylene	276	14.780	14.785	-0.005	7	6875	20.0	18.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270ccvl_50_00037

Amount Added: 400.00

Units: uL

8270SIM_IS_00069

Amount Added: 6.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a027.D

Injection Date: 24-Mar-2022 23:40:30

Instrument ID: SEA101

Lims ID: std5

Client ID:

Operator ID: tl

ALS Bottle#: 12

Worklist Smp#: 12

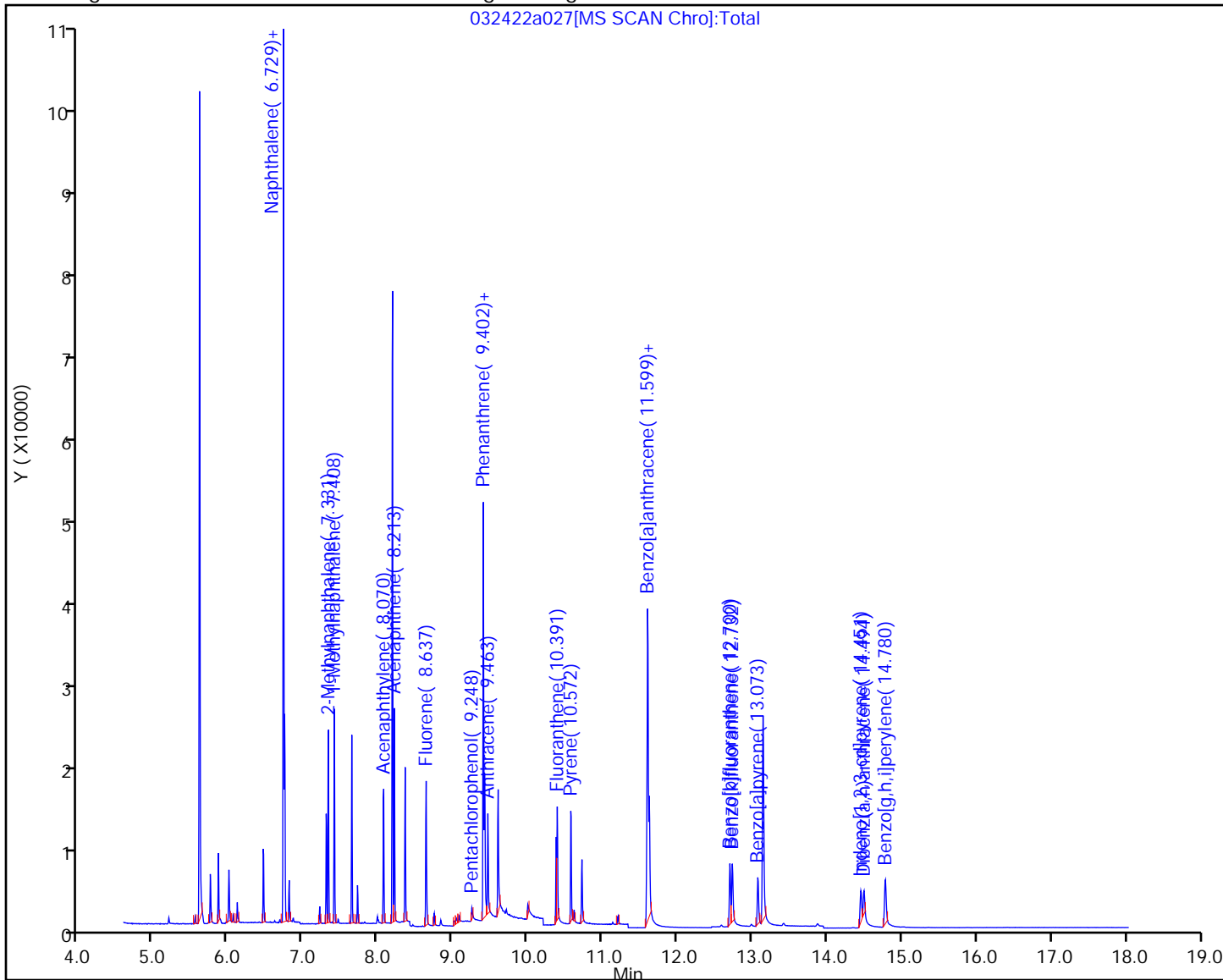
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



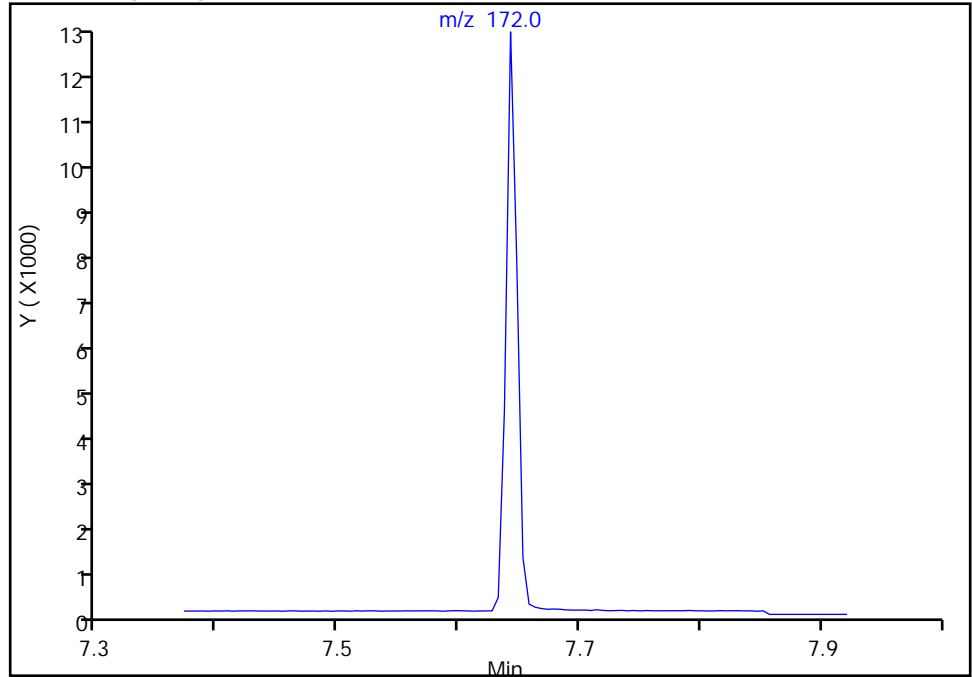
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a027.D
Injection Date: 24-Mar-2022 23:40:30 Instrument ID: SEA101
Lims ID: std5
Client ID:
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 8 2-Fluorobiphenyl, CAS: 321-60-8
Signal: 1

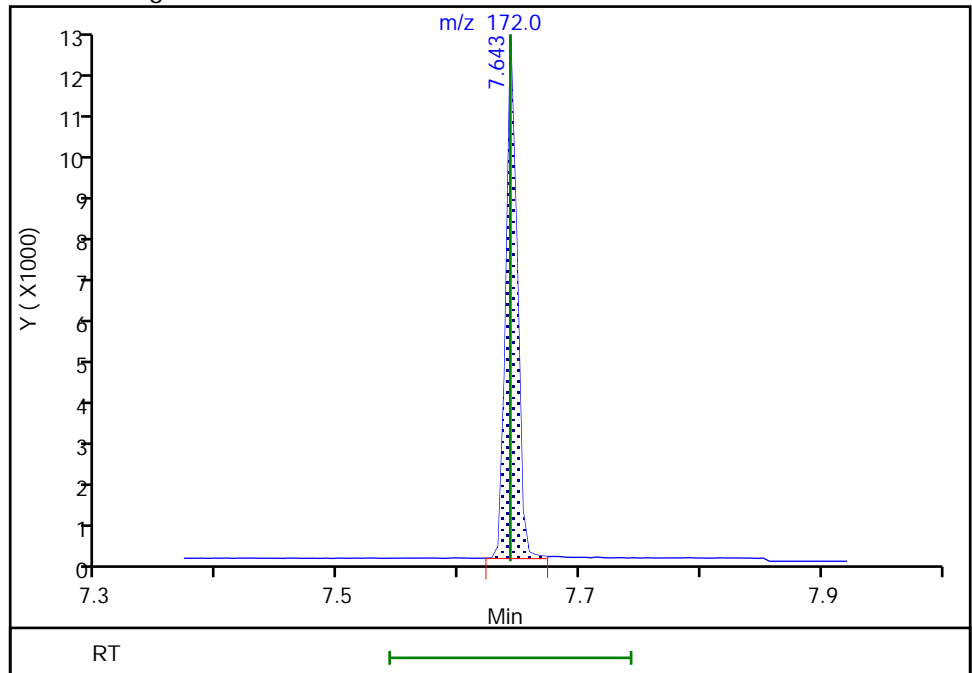
Not Detected
Expected RT: 7.64

Processing Integration Results



Manual Integration Results

RT: 7.64
Area: 8178
Amount: 20.781114
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:55:32
Audit Action: Manually Integrated

Audit Reason: Baseline

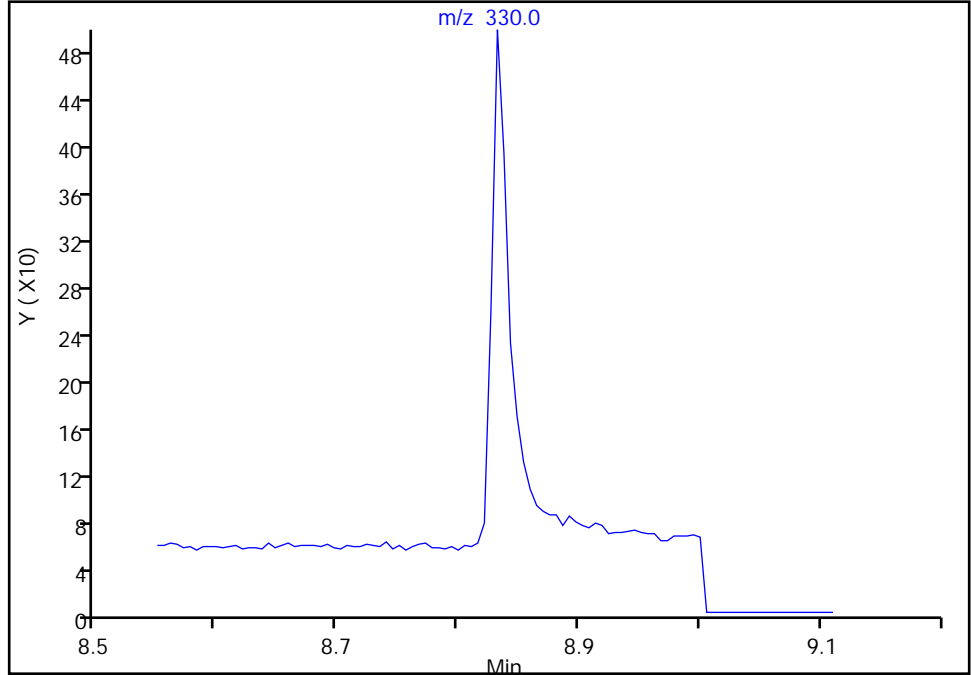
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a027.D
Injection Date: 24-Mar-2022 23:40:30 Instrument ID: SEA101
Lims ID: std5
Client ID:
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 9 2,4,6-Tribromophenol, CAS: 118-79-6
Signal: 1

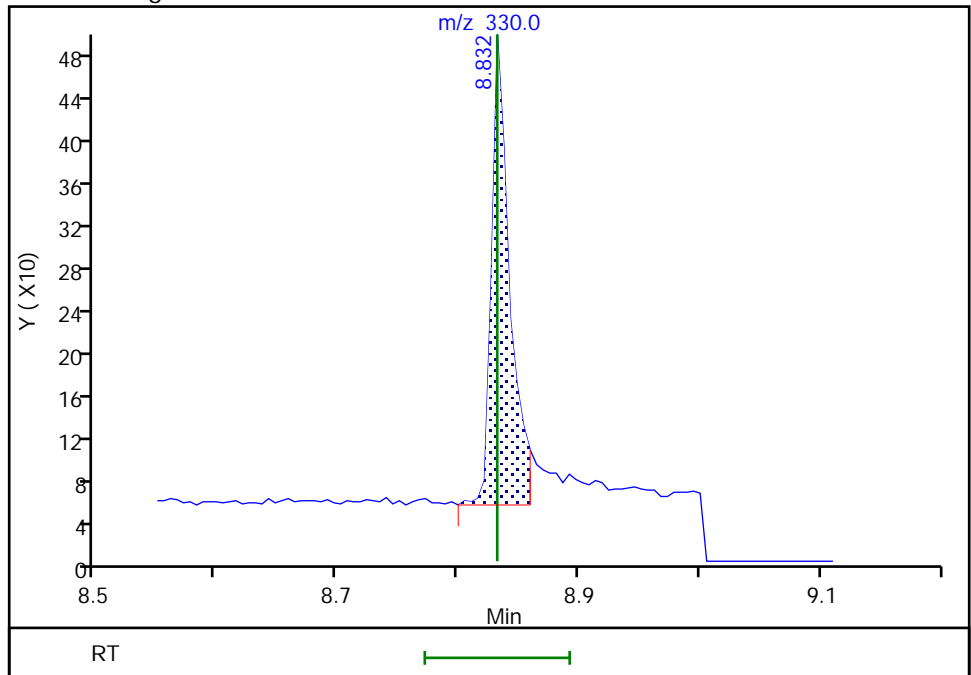
Not Detected
Expected RT: 8.83

Processing Integration Results



RT: 8.83
Area: 457
Amount: 21.380869
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 25-Mar-2022 12:55:36
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle

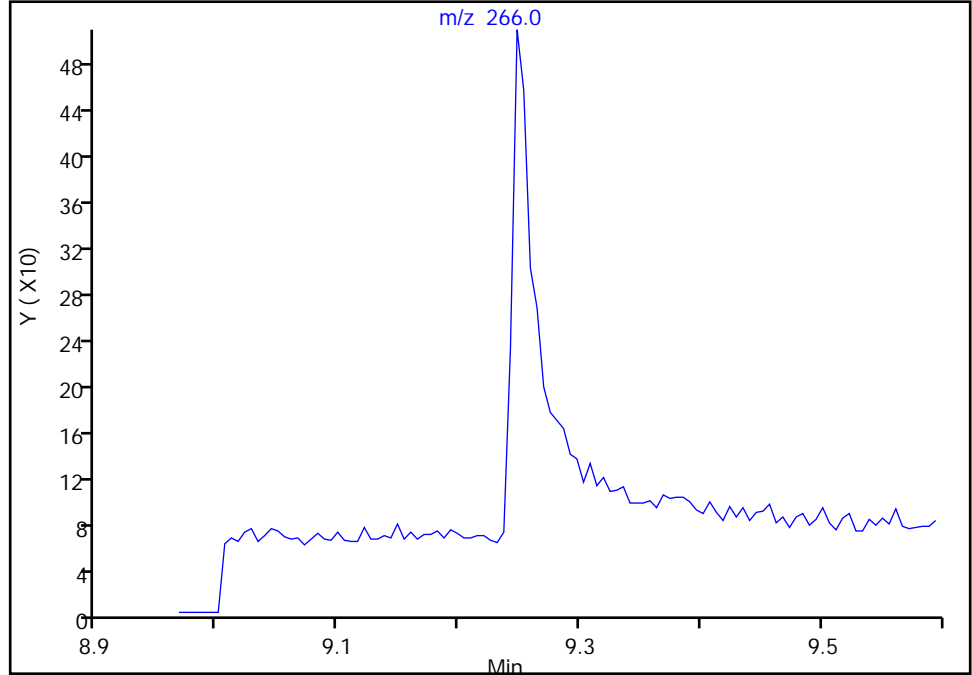
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a027.D
Injection Date: 24-Mar-2022 23:40:30 Instrument ID: SEA101
Lims ID: std5
Client ID:
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

18 Pentachlorophenol, CAS: 87-86-5

Signal: 1

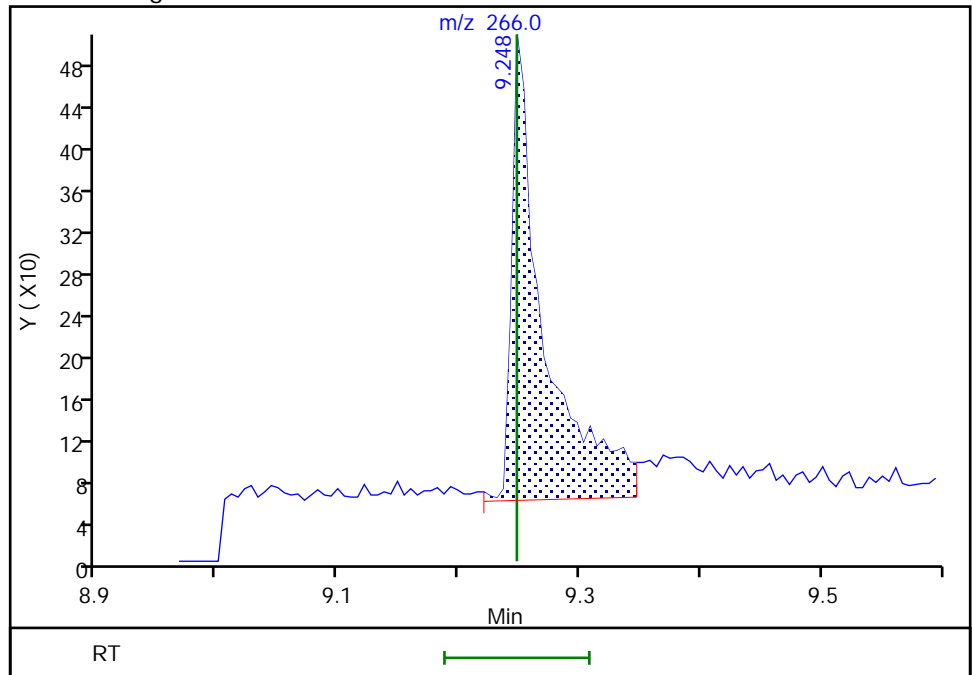
Not Detected
Expected RT: 9.25

Processing Integration Results



Manual Integration Results

RT: 9.25
Area: 819
Amount: 111.6005
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:55:43
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

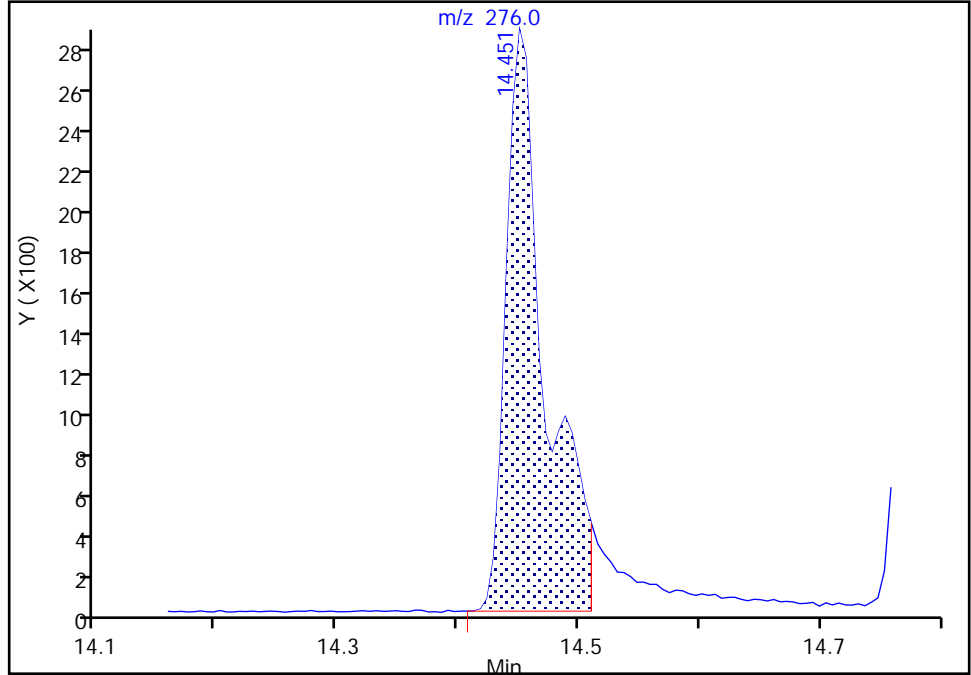
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a027.D
Injection Date: 24-Mar-2022 23:40:30 Instrument ID: SEA101
Lims ID: std5
Client ID:
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

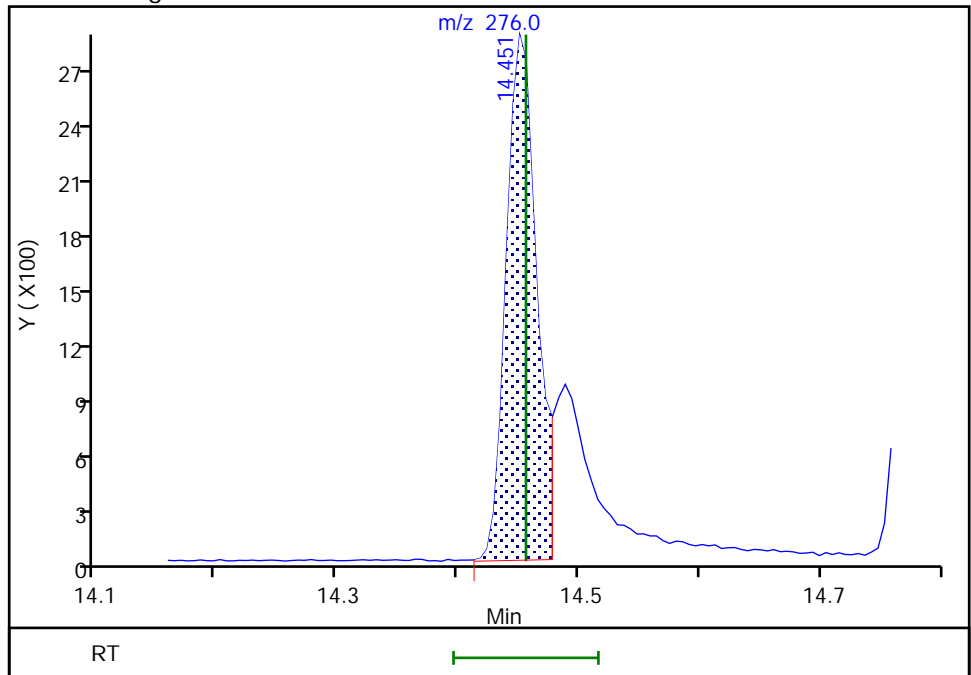
RT: 14.45
Area: 6326
Amount: 21.334406
Amount Units: ug/L

Processing Integration Results



RT: 14.45
Area: 4876
Amount: 17.804064
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 25-Mar-2022 12:55:54
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

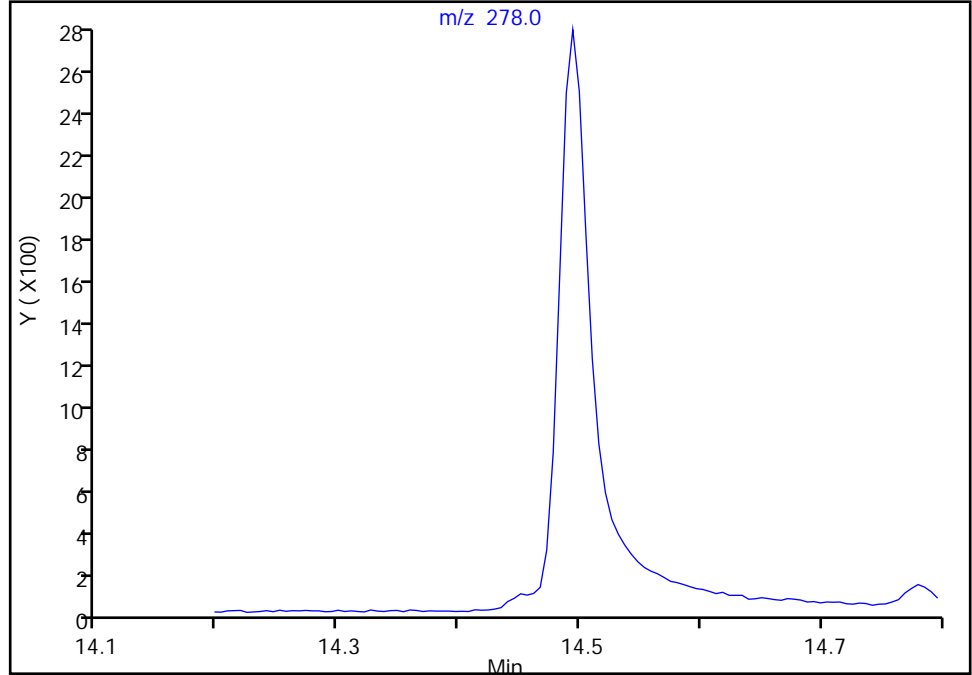
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a027.D
Injection Date: 24-Mar-2022 23:40:30 Instrument ID: SEA101
Lims ID: std5
Client ID:
Operator ID: tl ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

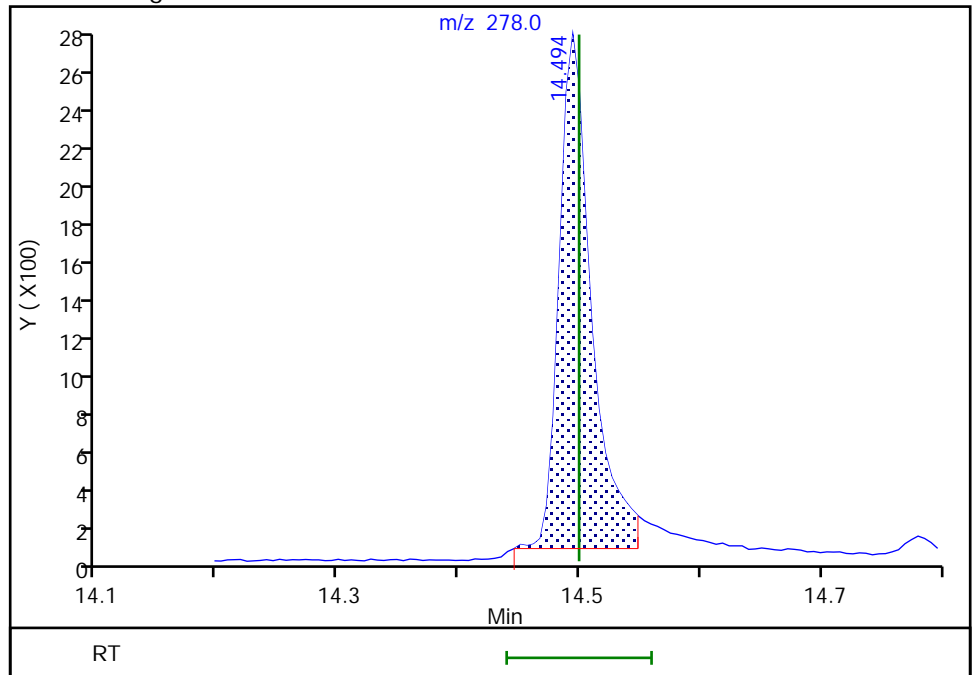
Not Detected
Expected RT: 14.50

Processing Integration Results



Manual Integration Results

RT: 14.49
Area: 4872
Amount: 17.111954
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:55:57
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a029.D
 Lims ID: std4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 25-Mar-2022 00:29:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 4
 Operator ID: tl Instrument ID: SEA101
 Sublist: chrom-8270_SIM_SEA101*sub12
 Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 25-Mar-2022 13:30:25 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1605

First Level Reviewer: limmere Date: 25-Mar-2022 12:56:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	48763	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	60890	100.0	100.0	
* 3 Acenaphthene-d10	164	8.188	8.188	0.000	1	24570	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	35960	100.0	100.0	
* 5 Chrysene-d12	240	11.604	11.604	0.000	1	26784	100.0	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	25335	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.305	-0.005	95	3236	10.0	9.70	
\$ 8 2-Fluorobiphenyl	172	7.642	7.642	0.000	1	4033	10.0	10.7	M
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	183	10.0	15.8	M
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	2959	10.0	8.59	
\$ 11 Terphenyl-d14	244	10.721	10.721	0.000	1	2086	10.0	8.46	
12 Naphthalene	128	6.744	6.749	-0.005	1	6855	10.0	10.8	
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	3822	10.0	10.1	
14 1-Methylnaphthalene	142	7.407	7.413	-0.006	1	3797	10.0	10.2	
15 Acenaphthylene	152	8.064	8.069	-0.005	1	4156	10.0	9.64	
16 Acenaphthene	153	8.213	8.213	0.000	3	3168	10.0	10.1	
17 Fluorene	166	8.637	8.637	0.000	1	2514	10.0	8.03	
18 Pentachlorophenol	266	9.259	9.248	0.011	1	146	20.0	101.1	M
19 Phenanthrene	178	9.418	9.418	0.000	1	4029	10.0	9.56	
20 Anthracene	178	9.462	9.462	0.000	1	3328	10.0	8.79	
21 Fluoranthene	202	10.391	10.391	0.000	1	3691	10.0	9.04	
22 Pyrene	202	10.576	10.576	0.000	22	3997	10.0	9.31	
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	2920	10.0	9.67	
24 Chrysene	228	11.626	11.626	0.000	1	4051	10.0	10.1	
25 Benzo[b]fluoranthene	252	12.699	12.705	-0.006	1	2808	10.0	9.33	
26 Benzo[k]fluoranthene	252	12.732	12.737	-0.005	1	3261	10.0	8.87	a
27 Benzo[a]pyrene	252	13.073	13.078	-0.005	1	2601	10.0	9.51	a
28 Indeno[1,2,3-cd]pyrene	276	14.451	14.456	-0.005	1	2197	10.0	8.83	M
29 Dibenz(a,h)anthracene	278	14.494	14.499	-0.005	1	2109	10.0	9.31	a
30 Benzo[g,h,i]perylene	276	14.780	14.785	-0.005	7	3478	10.0	10.0	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

8270ccvl_50_00037

Amount Added: 200.00

Units: uL

8270SIM_IS_00069

Amount Added: 8.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a029.D

Injection Date: 25-Mar-2022 00:29:30

Instrument ID: SEA101

Lims ID: std4

Client ID:

Operator ID: tl

ALS Bottle#: 13

Worklist Smp#: 13

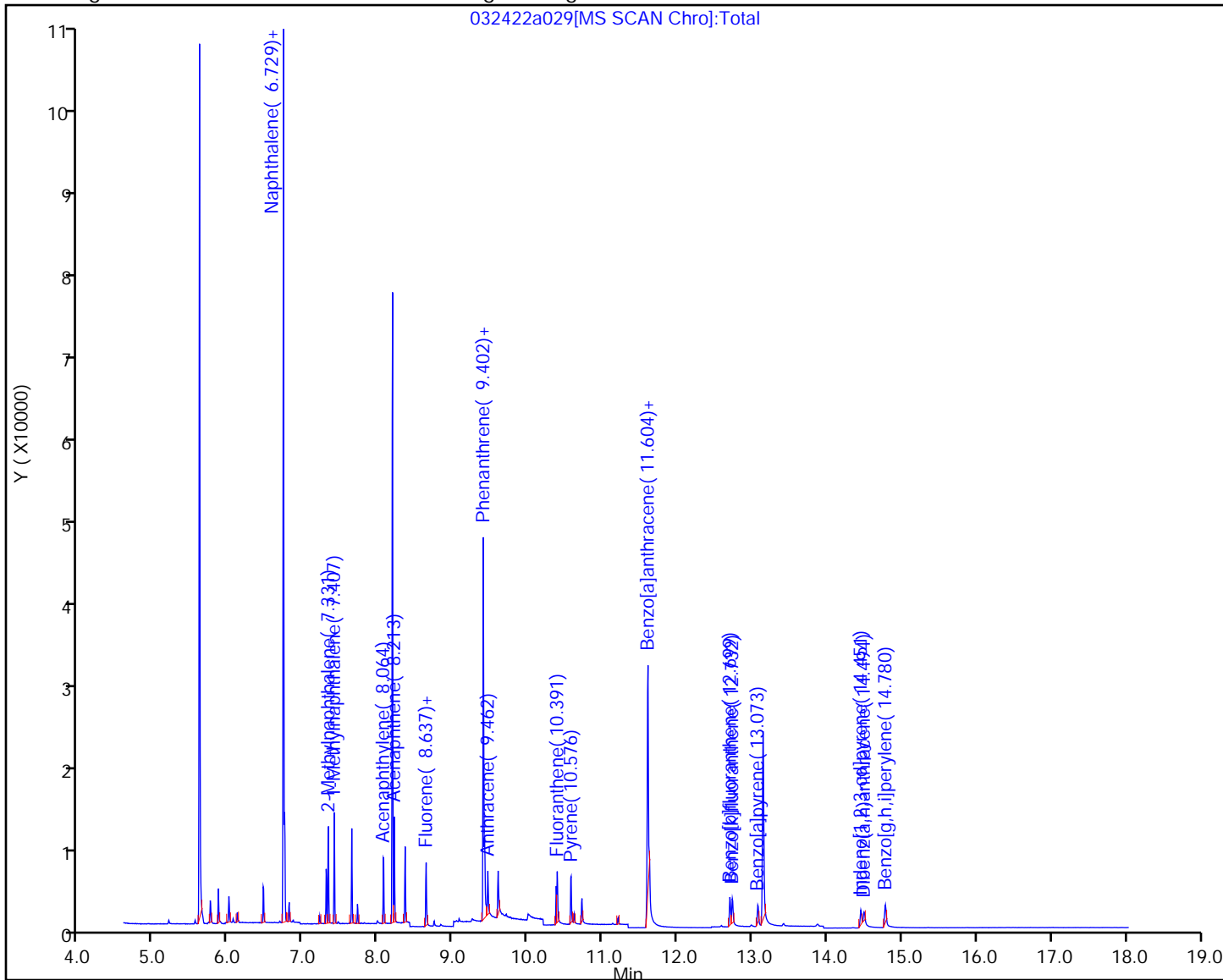
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



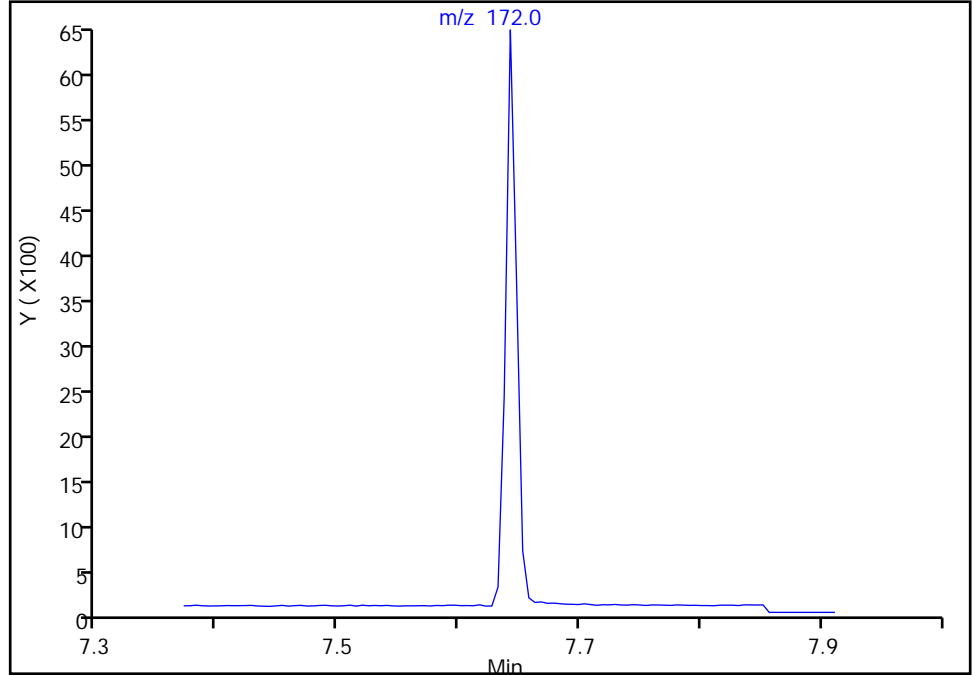
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a029.D
Injection Date: 25-Mar-2022 00:29:30 Instrument ID: SEA101
Lims ID: std4
Client ID:
Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 8 2-Fluorobiphenyl, CAS: 321-60-8
Signal: 1

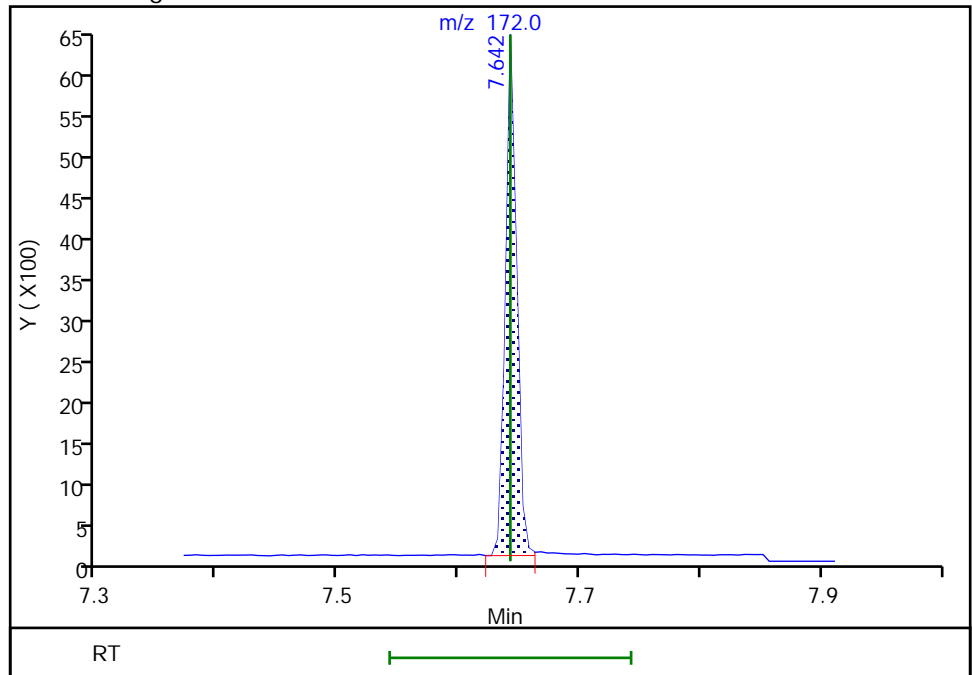
Not Detected
Expected RT: 7.64

Processing Integration Results



Manual Integration Results

RT: 7.64
Area: 4033
Amount: 10.676205
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:56:11
Audit Action: Manually Integrated

Audit Reason: Baseline

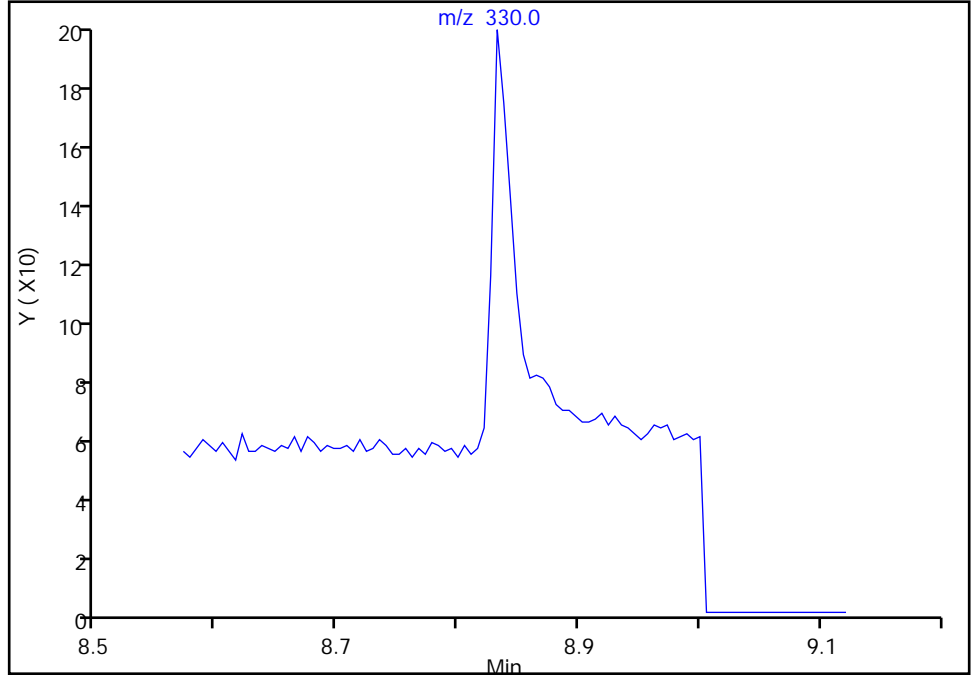
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a029.D
Injection Date: 25-Mar-2022 00:29:30 Instrument ID: SEA101
Lims ID: std4
Client ID:
Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 9 2,4,6-Tribromophenol, CAS: 118-79-6
Signal: 1

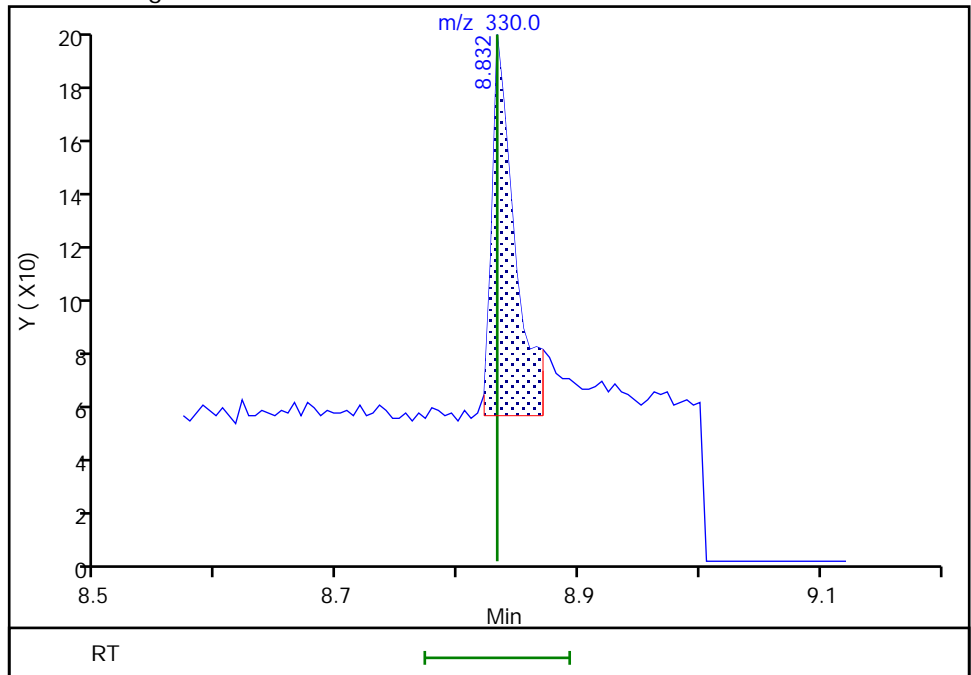
Not Detected
Expected RT: 8.83

Processing Integration Results



Manual Integration Results

RT: 8.83
Area: 183
Amount: 15.787071
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:56:16
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

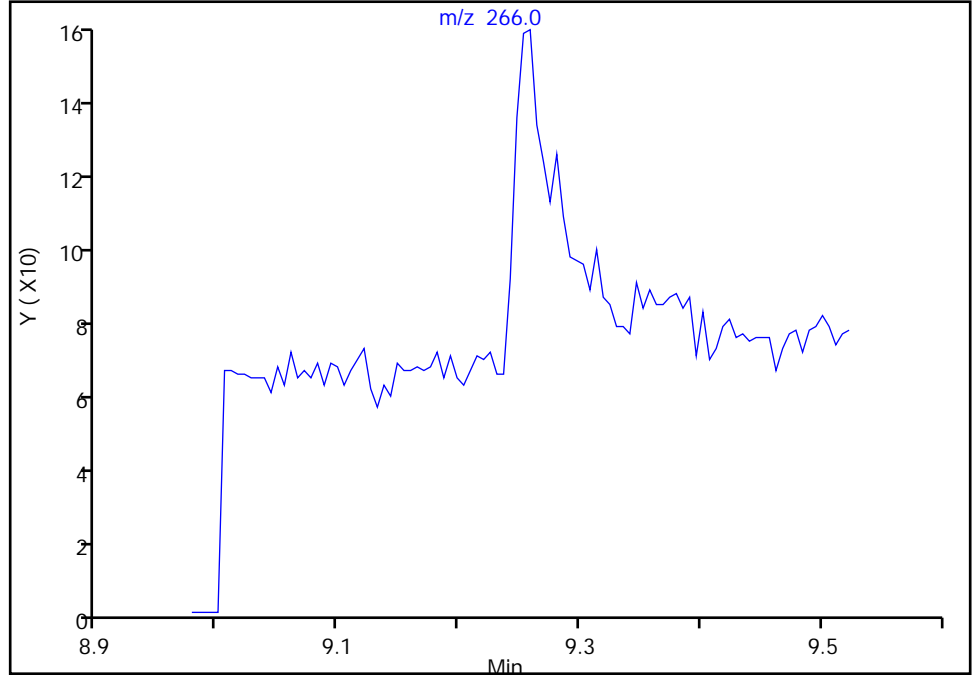
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a029.D
Injection Date: 25-Mar-2022 00:29:30 Instrument ID: SEA101
Lims ID: std4
Client ID:
Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

18 Pentachlorophenol, CAS: 87-86-5

Signal: 1

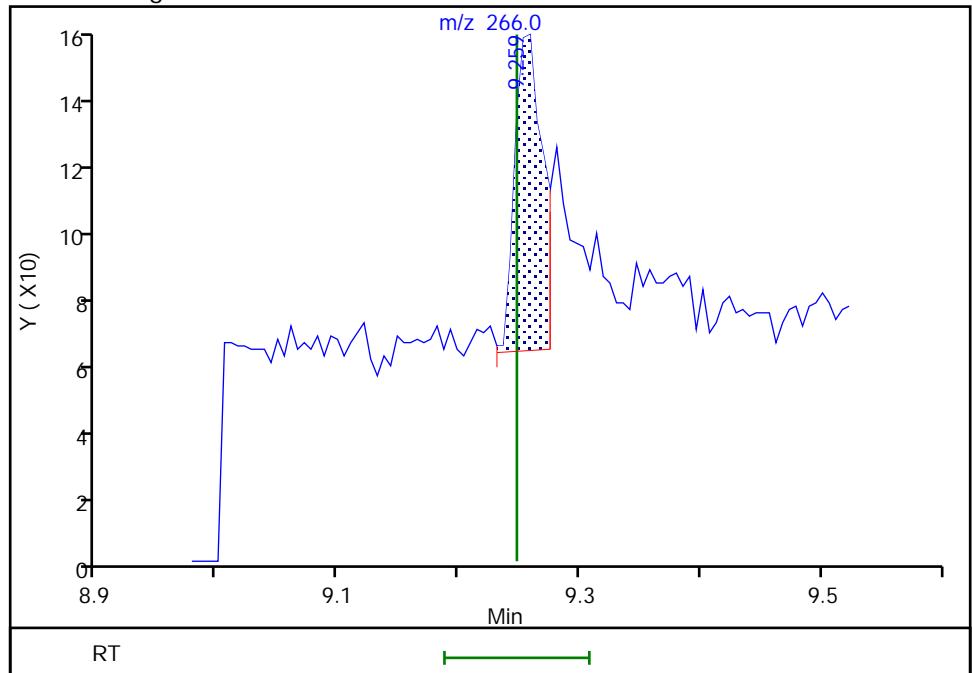
Not Detected
Expected RT: 9.25

Processing Integration Results



Manual Integration Results

RT: 9.26
Area: 146
Amount: 101.0993
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:27:13
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

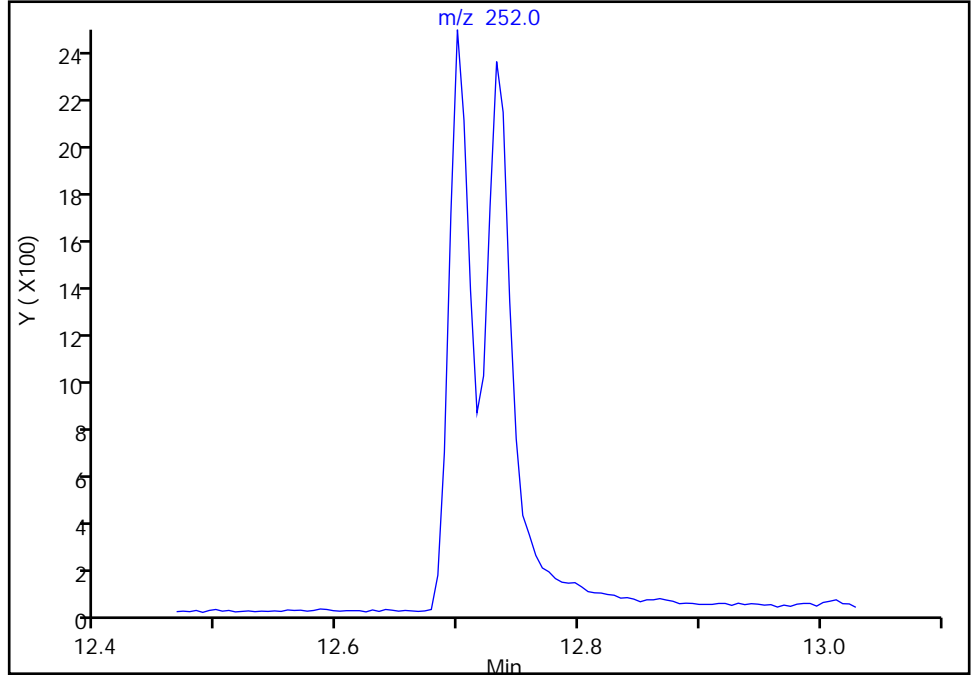
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a029.D
Injection Date: 25-Mar-2022 00:29:30 Instrument ID: SEA101
Lims ID: std4
Client ID:
Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

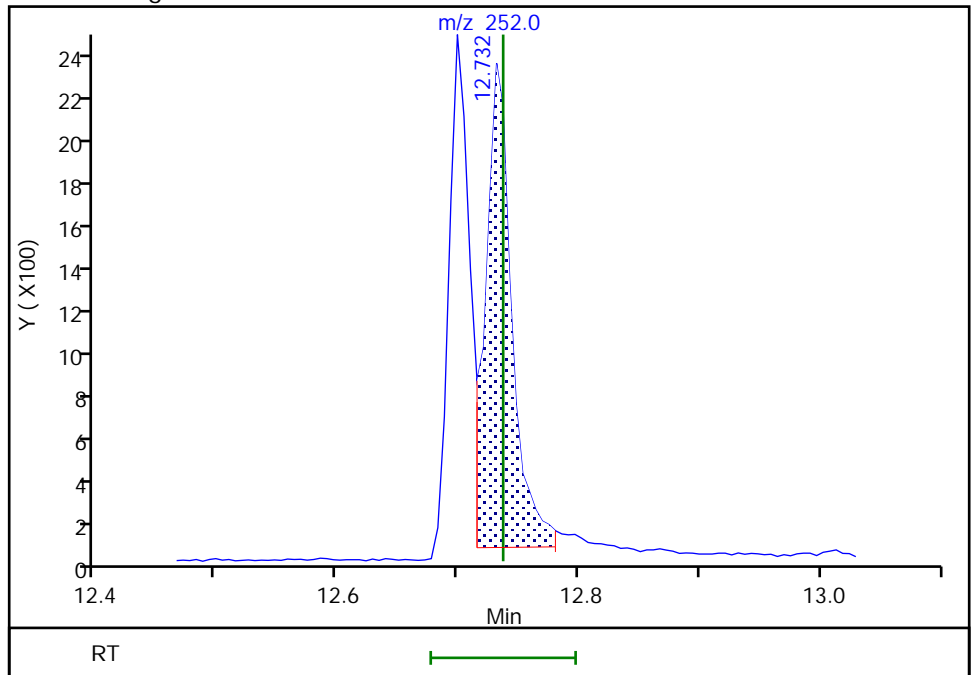
Not Detected
Expected RT: 12.74

Processing Integration Results



Manual Integration Results

RT: 12.73
Area: 3261
Amount: 8.868181
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:56:29
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle

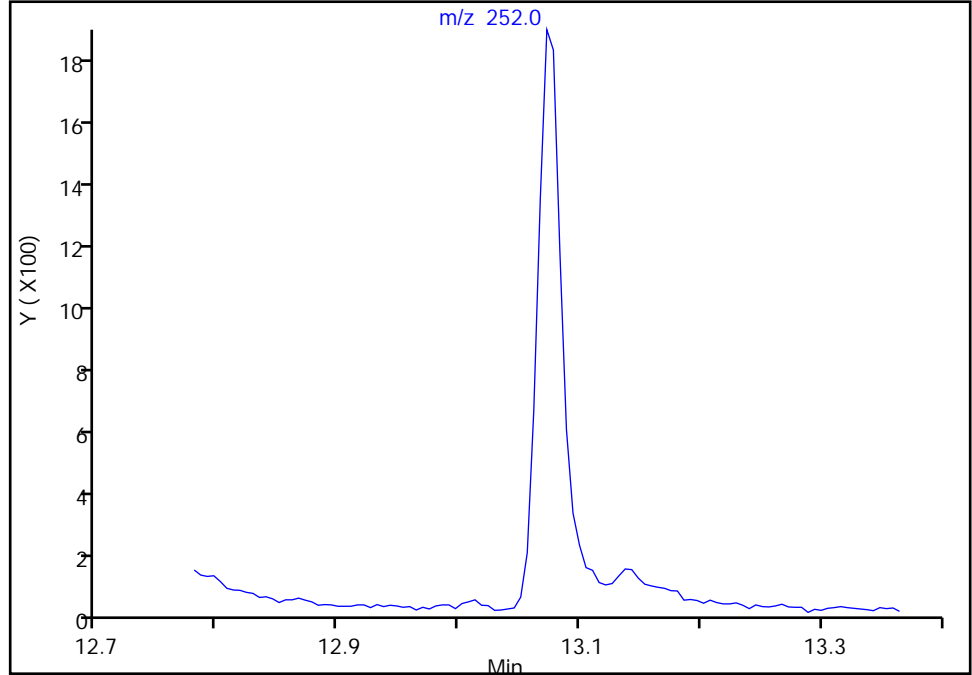
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a029.D
Injection Date: 25-Mar-2022 00:29:30 Instrument ID: SEA101
Lims ID: std4
Client ID:
Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

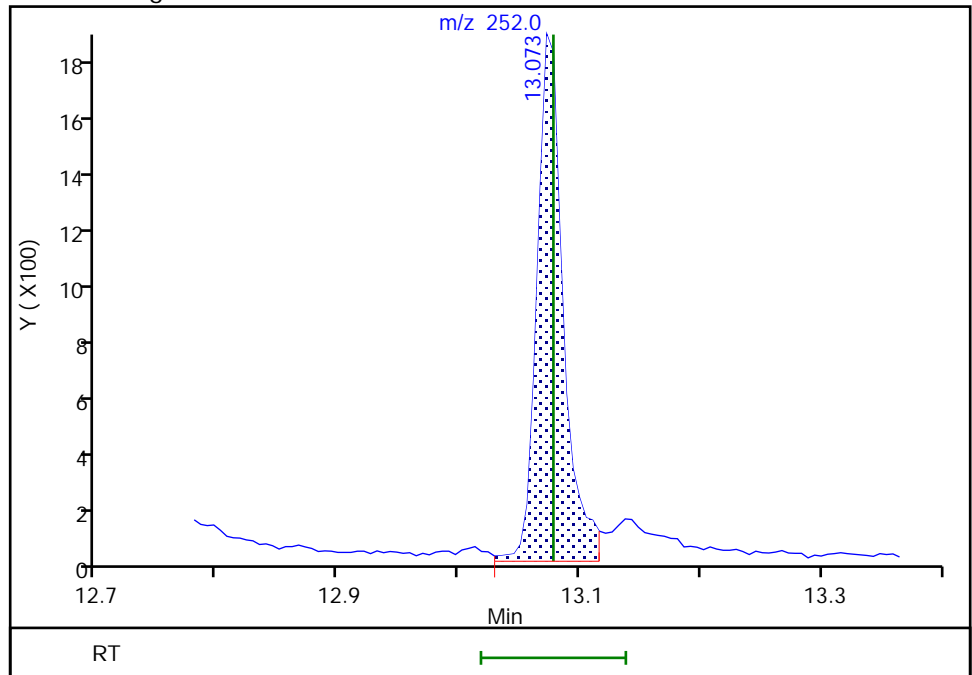
Not Detected
Expected RT: 13.08

Processing Integration Results



Manual Integration Results

RT: 13.07
Area: 2601
Amount: 9.510658
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:56:32
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle

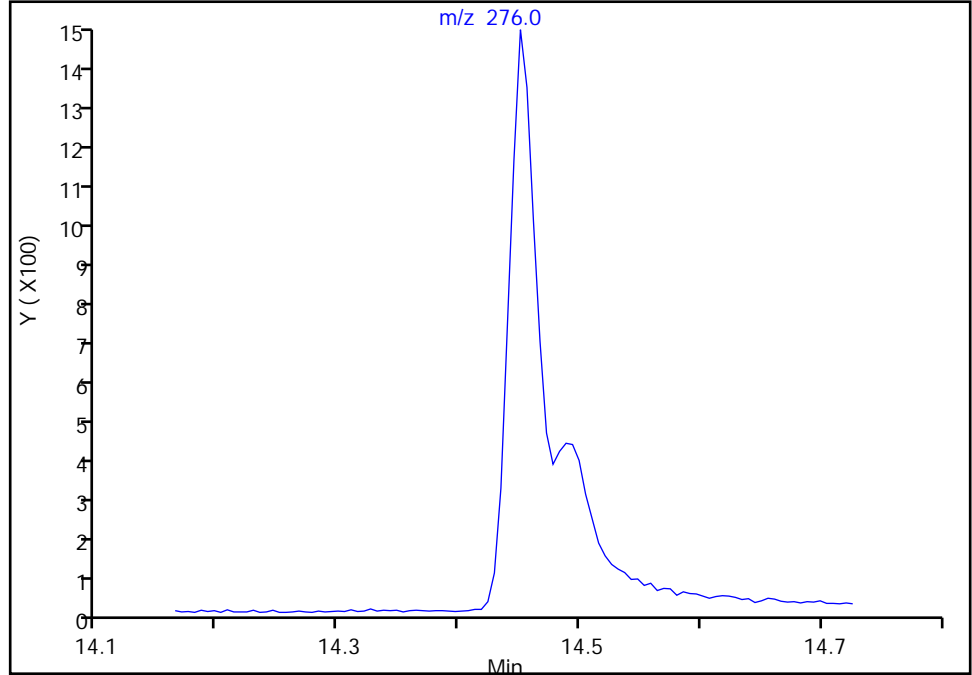
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a029.D
Injection Date: 25-Mar-2022 00:29:30 Instrument ID: SEA101
Lims ID: std4
Client ID:
Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

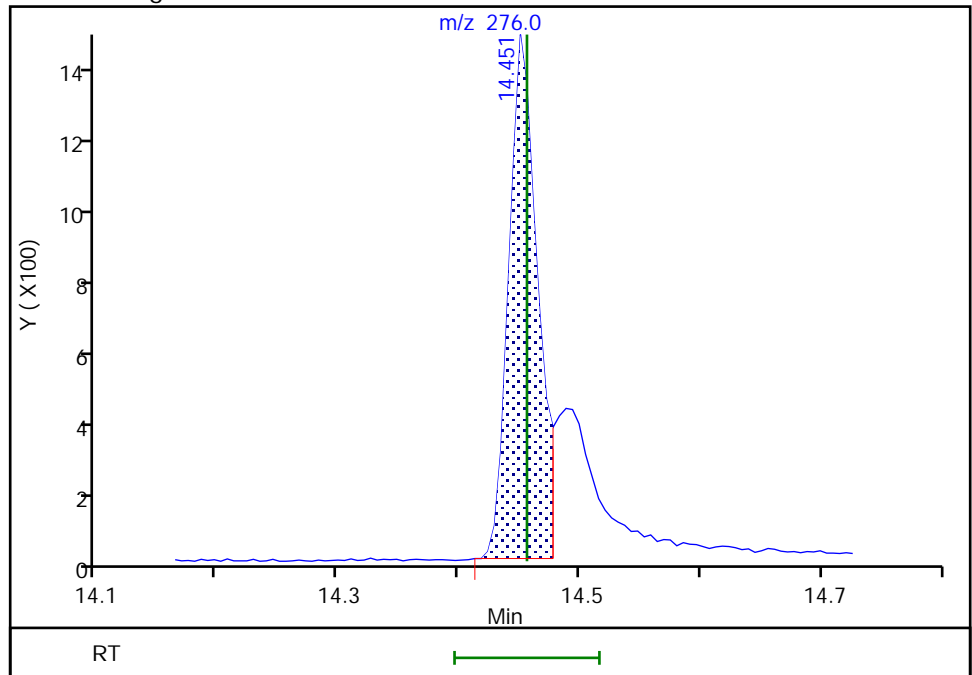
Not Detected
Expected RT: 14.46

Processing Integration Results



Manual Integration Results

RT: 14.45
Area: 2197
Amount: 8.829799
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:56:39
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

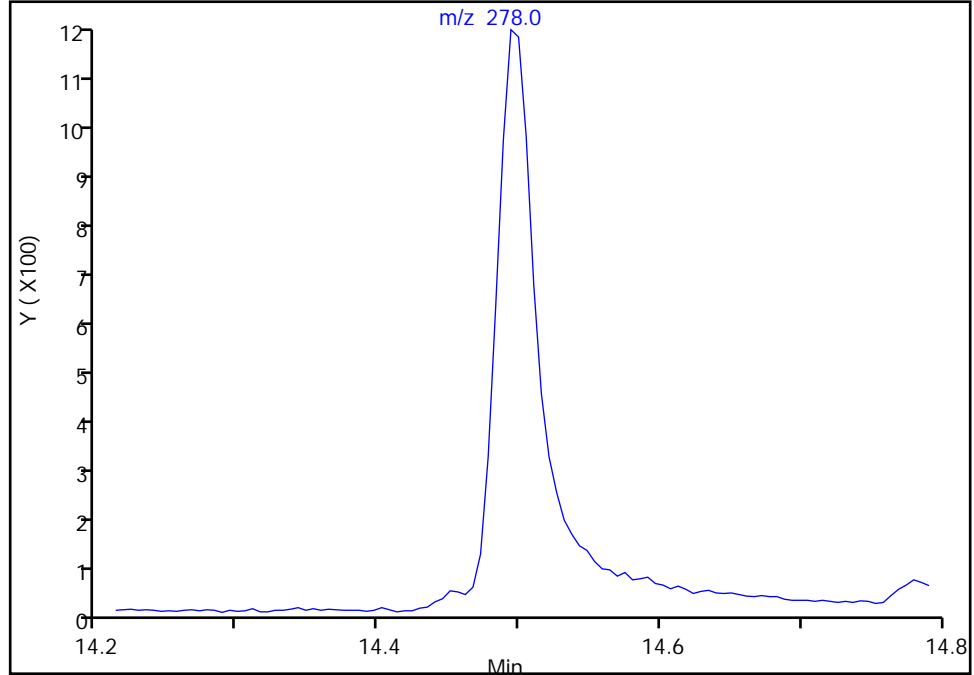
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a029.D
Injection Date: 25-Mar-2022 00:29:30 Instrument ID: SEA101
Lims ID: std4
Client ID:
Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

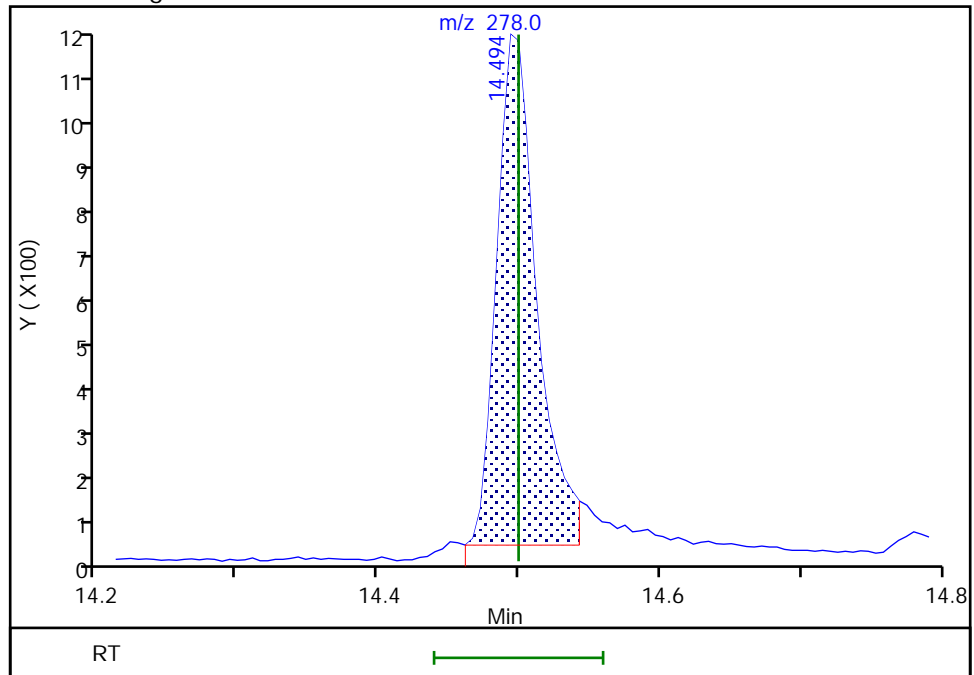
Not Detected
Expected RT: 14.50

Processing Integration Results



Manual Integration Results

RT: 14.49
Area: 2109
Amount: 9.308874
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:56:43
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle

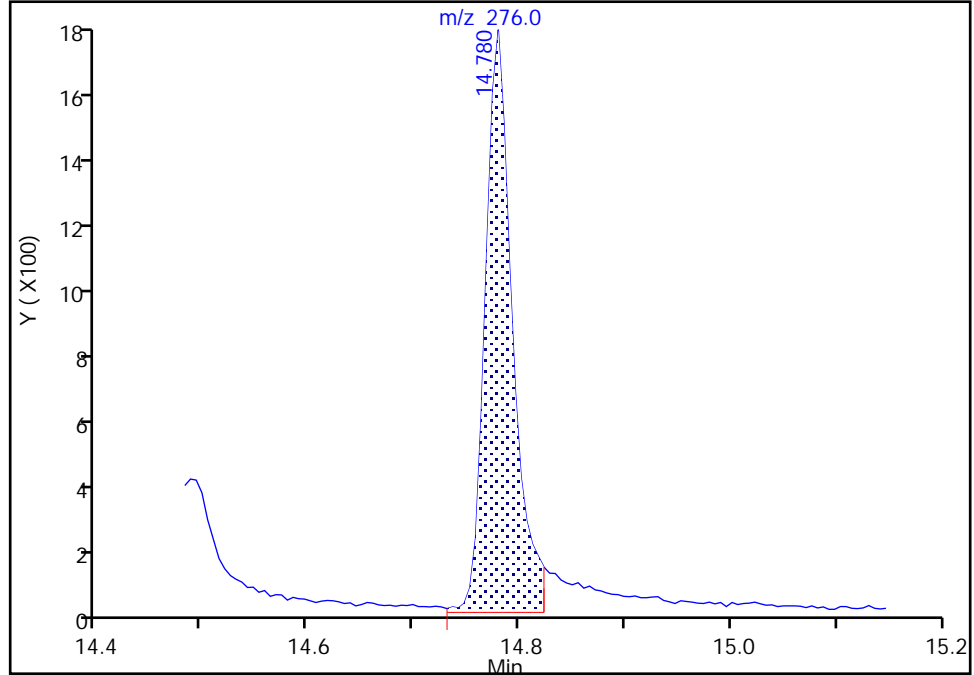
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a029.D
Injection Date: 25-Mar-2022 00:29:30 Instrument ID: SEA101
Lims ID: std4
Client ID:
Operator ID: tl ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

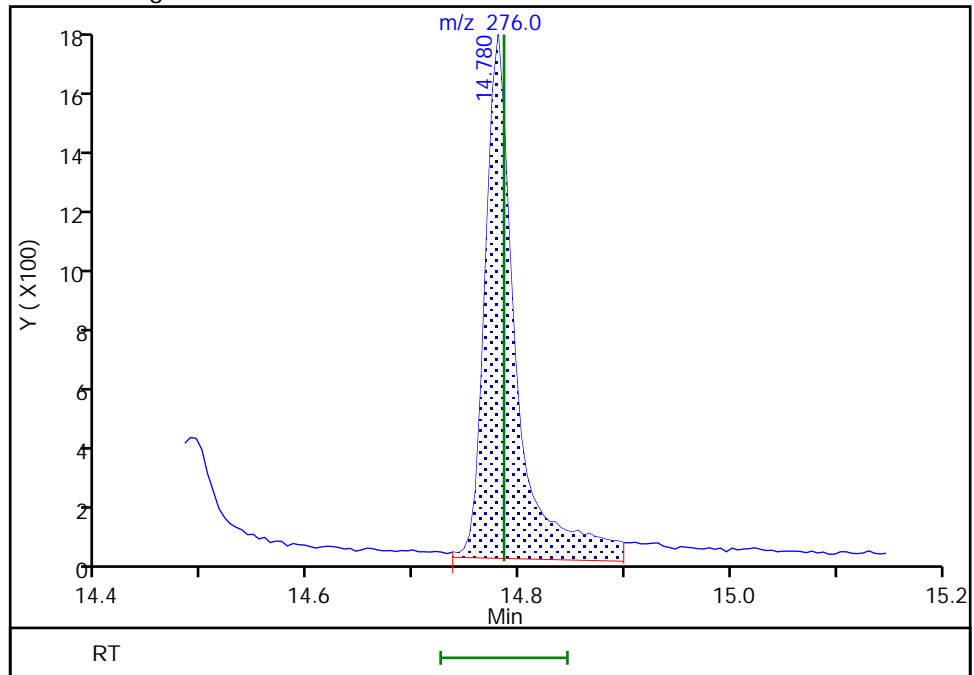
RT: 14.78
Area: 3051
Amount: 8.622051
Amount Units: ug/L

Processing Integration Results



RT: 14.78
Area: 3478
Amount: 10.013084
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 25-Mar-2022 12:56:50
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
 Lims ID: std3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 25-Mar-2022 01:19:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 3
 Operator ID: tl Instrument ID: SEA101
 Sublist: chrom-8270_SIM_SEA101*sub12
 Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 25-Mar-2022 13:30:26 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1605

First Level Reviewer: limmere

Date: 25-Mar-2022 12:58:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	46324	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	57477	100.0	100.0	
* 3 Acenaphthene-d10	164	8.188	8.188	0.000	1	22586	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	31199	100.0	100.0	
* 5 Chrysene-d12	240	11.604	11.604	0.000	1	21503	100.0	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	20838	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.301	7.305	-0.004	95	1436	5.00	4.56	
\$ 8 2-Fluorobiphenyl	172	7.643	7.642	0.001	1	1752	5.00	5.05	Ma
\$ 9 2,4,6-Tribromophenol	330	8.838	8.832	0.006	1	83	5.00	13.8	M
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	1350	5.00	4.51	M
\$ 11 Terphenyl-d14	244	10.721	10.721	0.000	1	884	5.00	4.13	M
12 Naphthalene	128	6.744	6.749	-0.005	1	2888	5.00	4.84	Ma
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	1625	5.00	4.55	
14 1-Methylnaphthalene	142	7.408	7.413	-0.005	1	1655	5.00	4.71	
15 Acenaphthylene	152	8.070	8.069	0.001	1	1775	5.00	4.48	
16 Acenaphthene	153	8.213	8.213	0.000	4	1405	5.00	4.88	
17 Fluorene	166	8.638	8.637	0.001	1	1070	5.00	3.72	M
18 Pentachlorophenol	266	9.313	9.248	0.065	1	0	10.0	0	a
19 Phenanthrene	178	9.424	9.418	0.006	1	1649	5.00	4.51	Ma
20 Anthracene	178	9.463	9.462	0.001	1	1292	5.00	4.23	a
21 Fluoranthene	202	10.391	10.391	0.000	1	1527	5.00	4.31	Ma
22 Pyrene	202	10.576	10.576	0.000	22	1589	5.00	4.27	a
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	1067	5.00	4.41	a
24 Chrysene	228	11.621	11.626	-0.005	1	1471	5.00	4.50	a
25 Benzo[b]fluoranthene	252	12.700	12.705	-0.005	1	1087	5.00	4.39	Ma
26 Benzo[k]fluoranthene	252	12.732	12.737	-0.005	1	1390	5.00	4.70	M
27 Benzo[a]pyrene	252	13.073	13.078	-0.005	1	969	5.00	4.31	a
28 Indeno[1,2,3-cd]pyrene	276	14.451	14.456	-0.005	1	907	5.00	4.43	M
29 Dibenz(a,h)anthracene	278	14.500	14.499	0.001	1	785	5.00	5.42	a
30 Benzo[g,h,i]perylene	276	14.780	14.785	-0.005	7	1318	5.00	4.61	Ma

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270SIM_IS_00069

Amount Added: 9.00

Units: uL

8270ccvl_50_00037

Amount Added: 100.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D

Injection Date: 25-Mar-2022 01:19:30

Instrument ID: SEA101

Lims ID: std3

Client ID:

Operator ID: tl

ALS Bottle#: 14

Worklist Smp#: 14

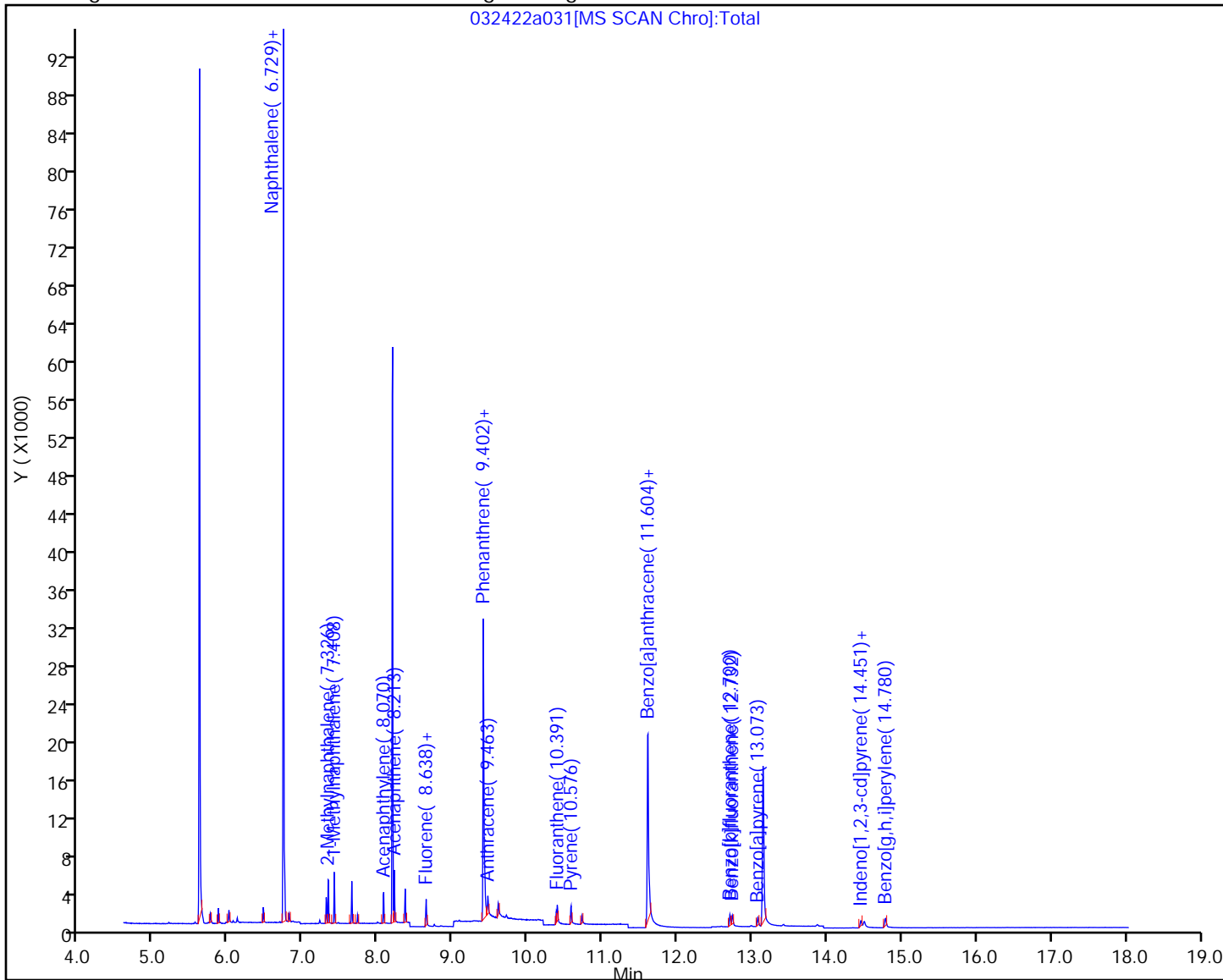
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

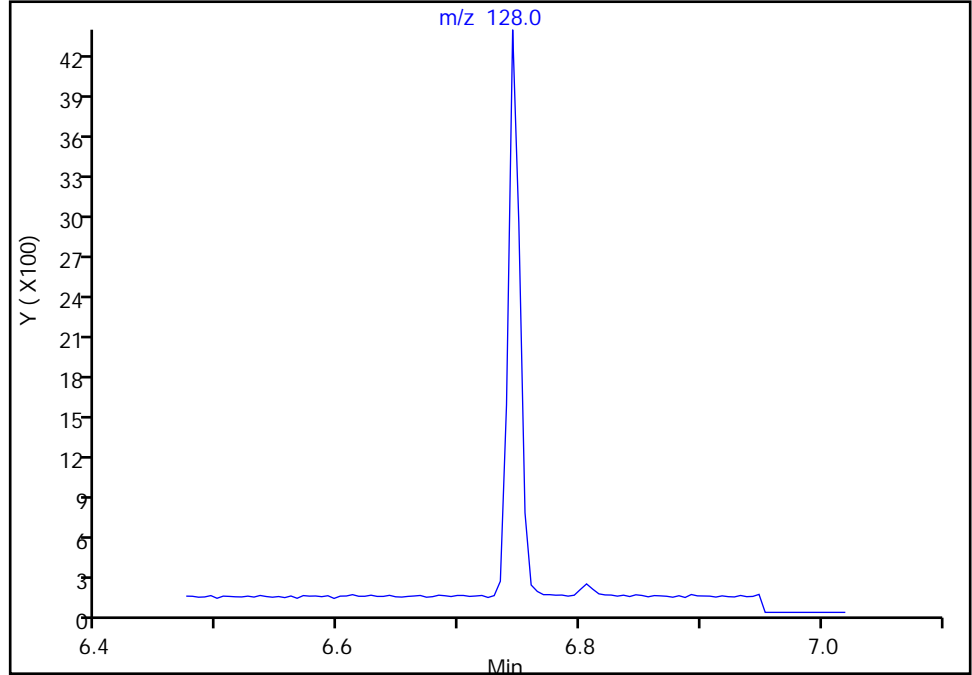
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

12 Naphthalene, CAS: 91-20-3

Signal: 1

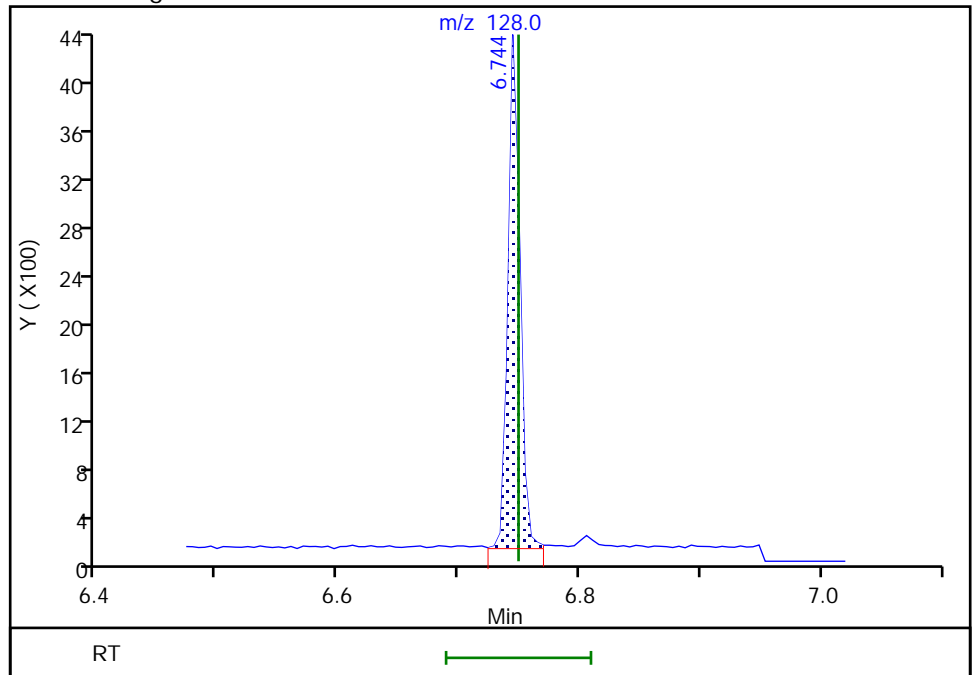
Not Detected
Expected RT: 6.75

Processing Integration Results



Manual Integration Results

RT: 6.74
Area: 2888
Amount: 4.836790
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:57:32
Audit Action: Manually Integrated

Audit Reason: Baseline

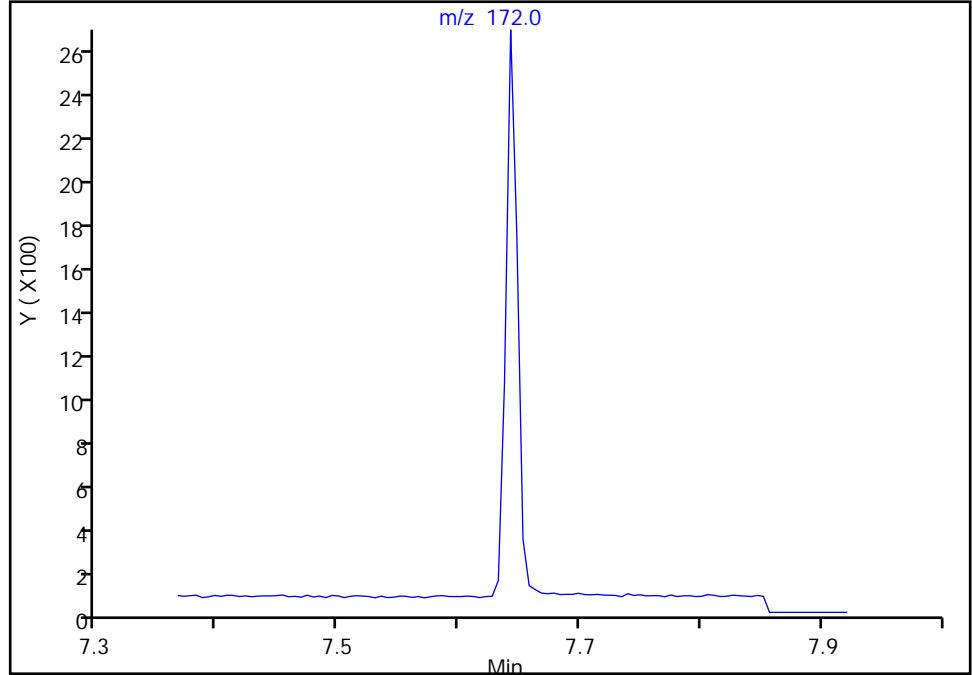
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 8 2-Fluorobiphenyl, CAS: 321-60-8
Signal: 1

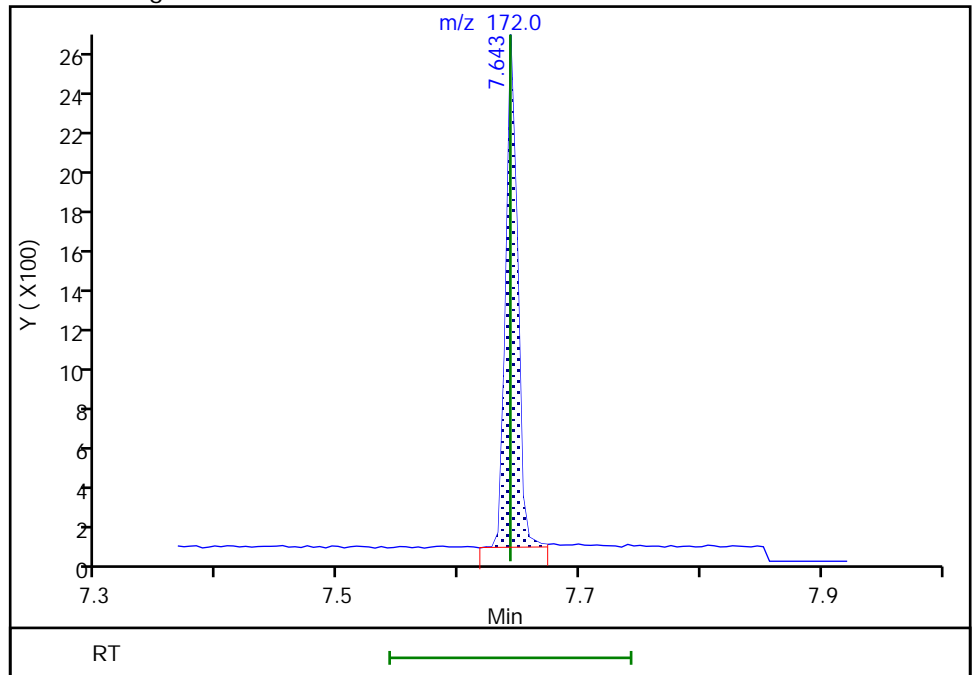
Not Detected
Expected RT: 7.64

Processing Integration Results



Manual Integration Results

RT: 7.64
Area: 1752
Amount: 5.045319
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:57:10
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

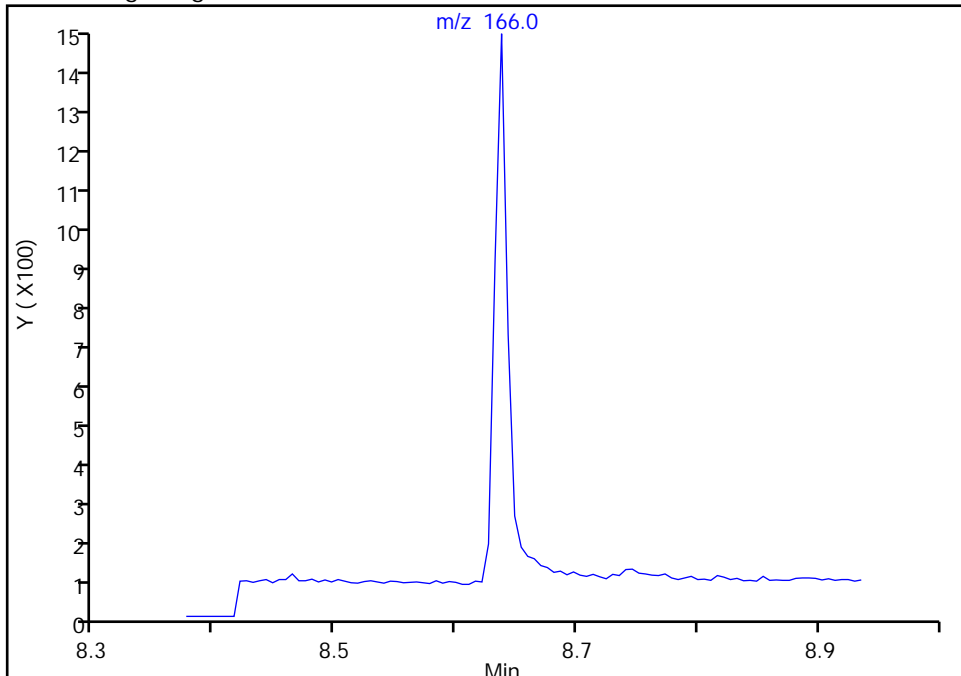
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

17 Fluorene, CAS: 86-73-7

Signal: 1

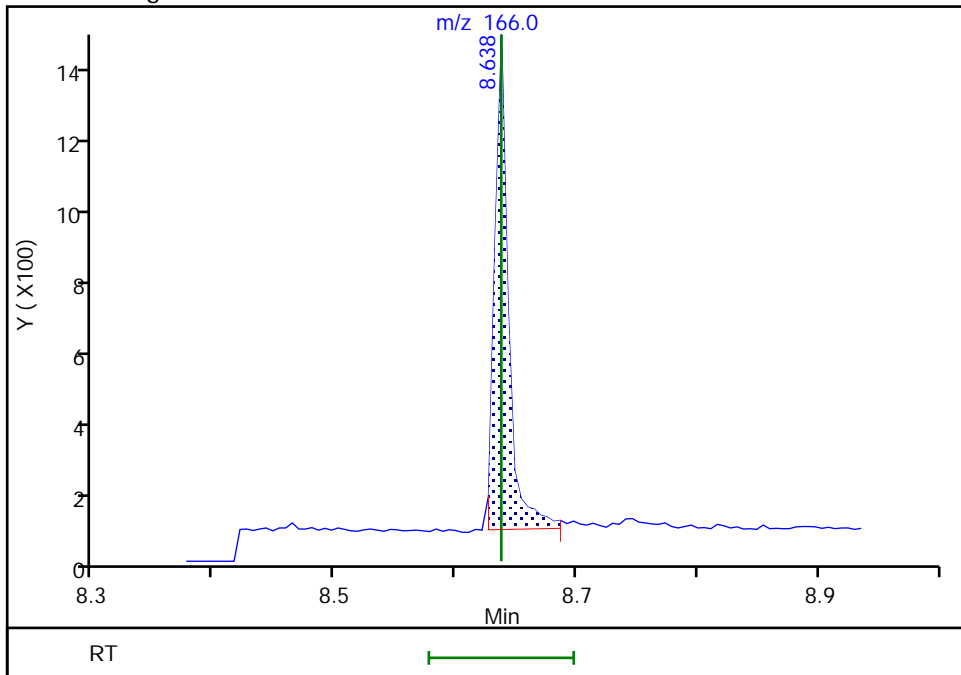
Not Detected
Expected RT: 8.64

Processing Integration Results



Manual Integration Results

RT: 8.64
Area: 1070
Amount: 3.719115
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:57:42
Audit Action: Manually Integrated

Audit Reason: Baseline

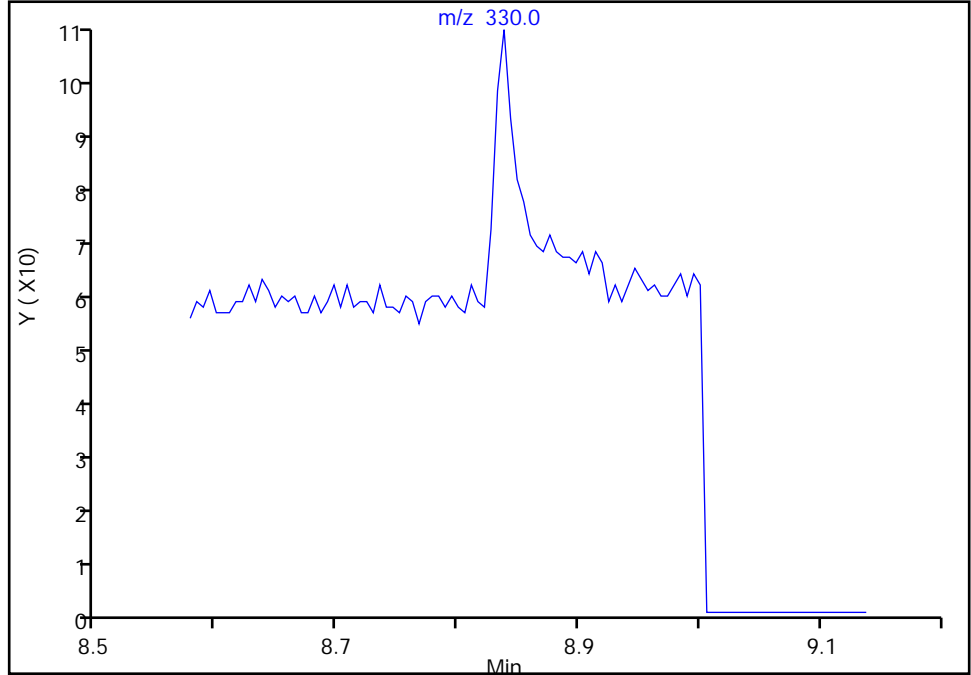
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 9 2,4,6-Tribromophenol, CAS: 118-79-6
Signal: 1

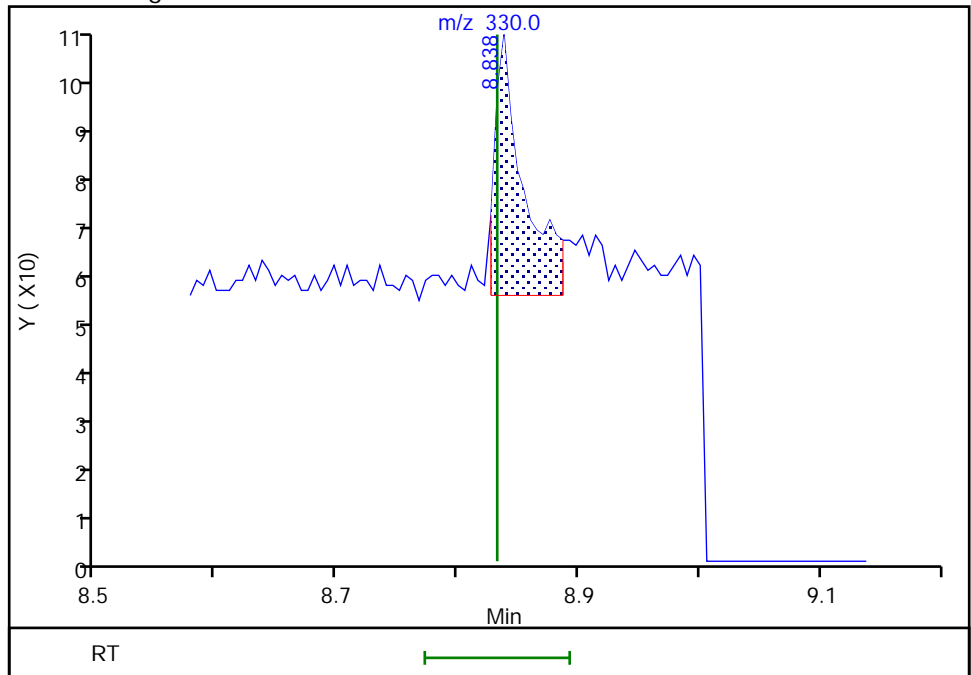
Not Detected
Expected RT: 8.83

Processing Integration Results



Manual Integration Results

RT: 8.84
Area: 83
Amount: 13.757659
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:57:15
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

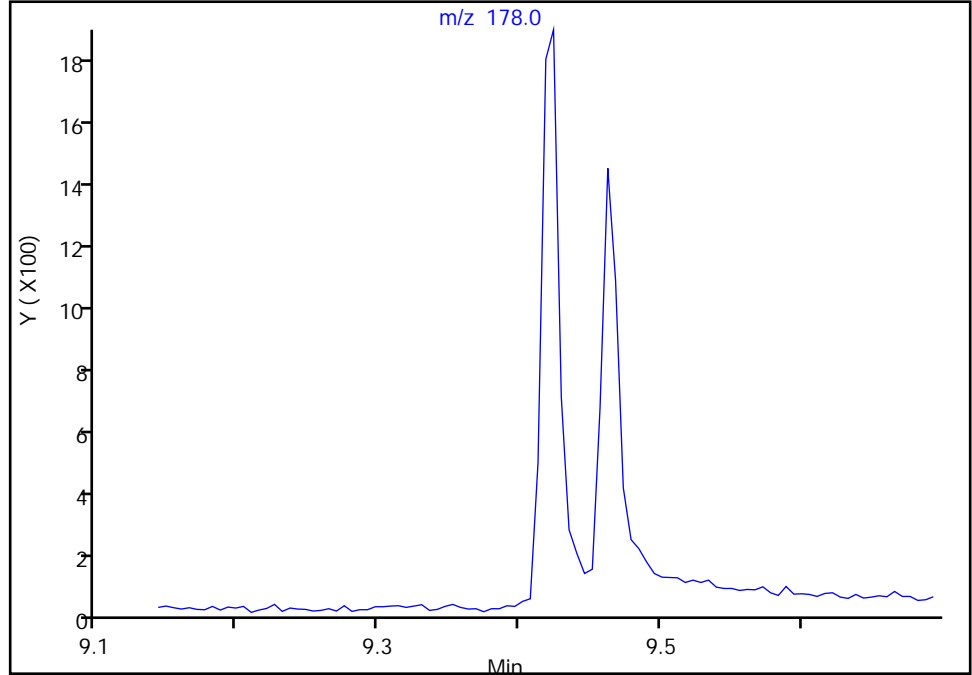
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Phenanthrene, CAS: 85-01-8

Signal: 1

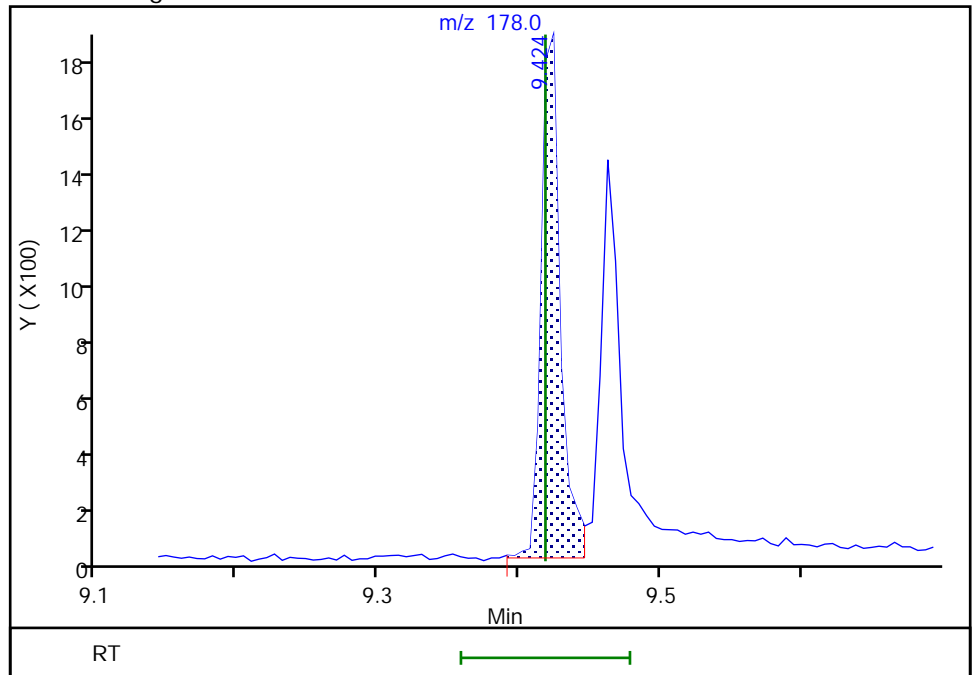
Not Detected
Expected RT: 9.42

Processing Integration Results



Manual Integration Results

RT: 9.42
Area: 1649
Amount: 4.510280
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:04:21
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

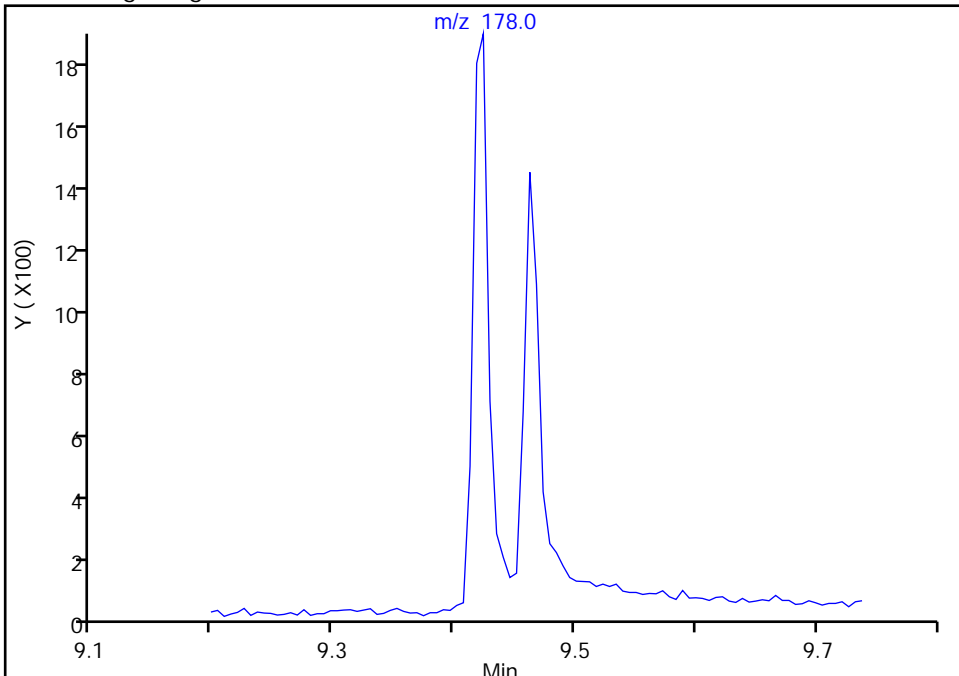
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Anthracene, CAS: 120-12-7

Signal: 1

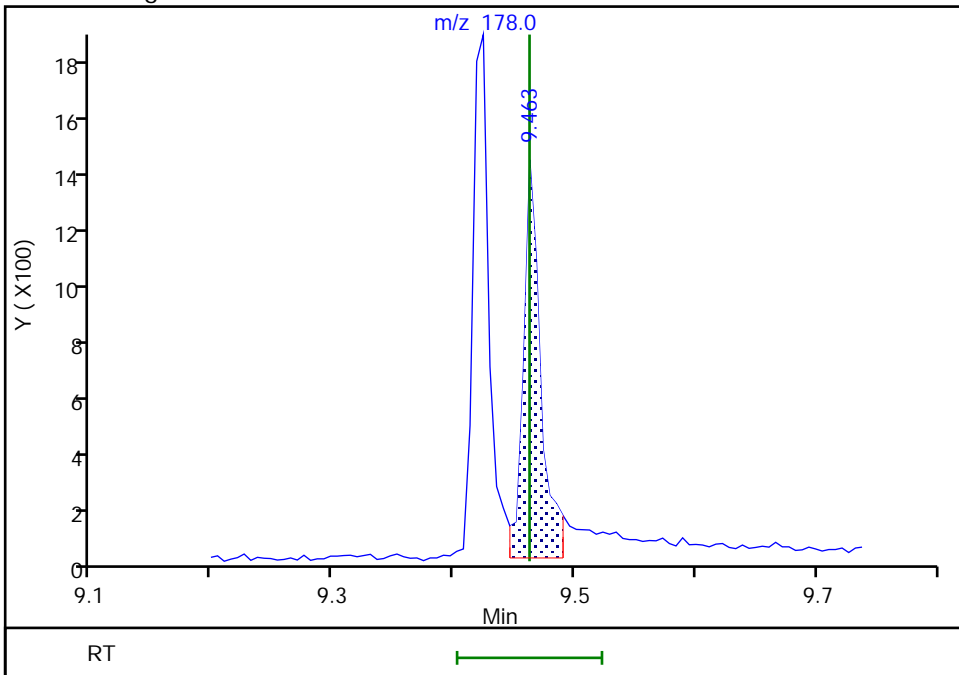
Not Detected
Expected RT: 9.46

Processing Integration Results



Manual Integration Results

RT: 9.46
Area: 1292
Amount: 4.233675
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:04:10
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle

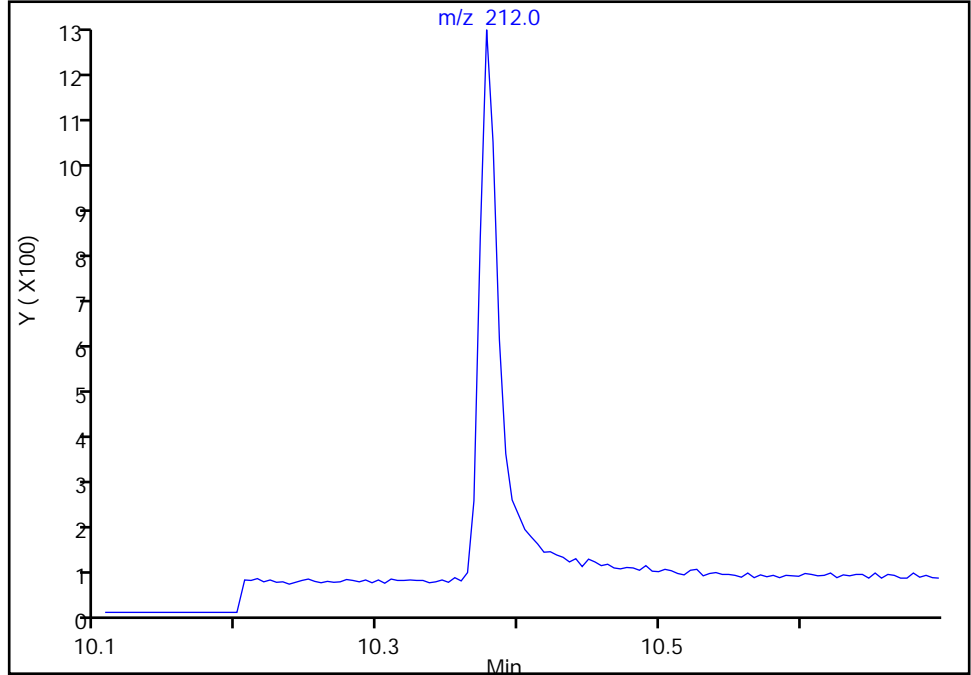
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 10 Fluoranthene-d10 (Surr), CAS: 93951-69-0

Signal: 1

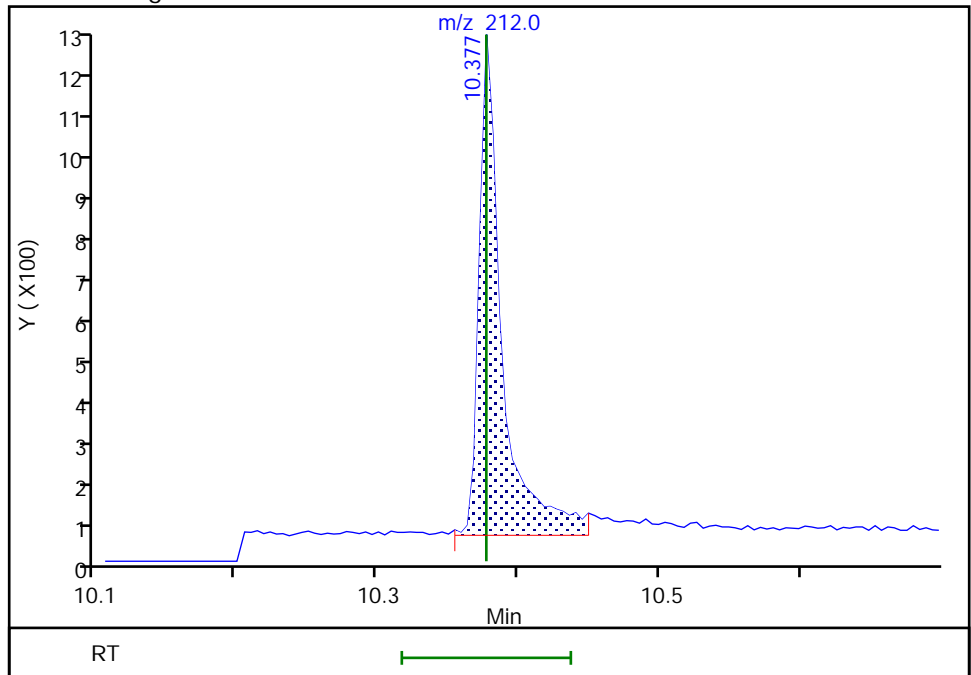
Processing Integration Results

Not Detected
Expected RT: 10.38



Manual Integration Results

RT: 10.38
Area: 1350
Amount: 4.514561
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:57:20
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

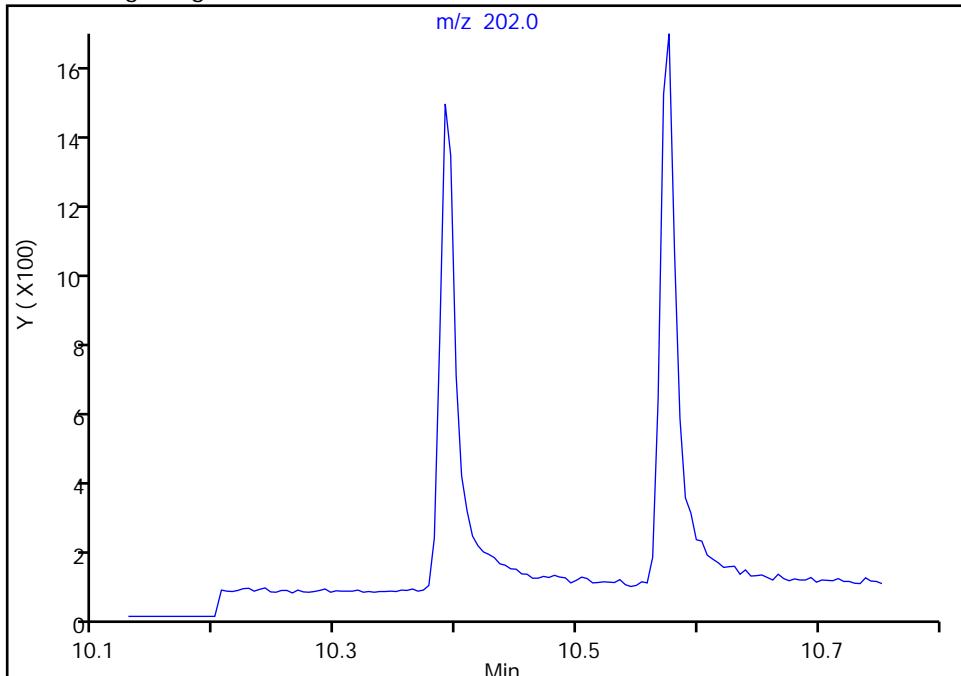
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Fluoranthene, CAS: 206-44-0

Signal: 1

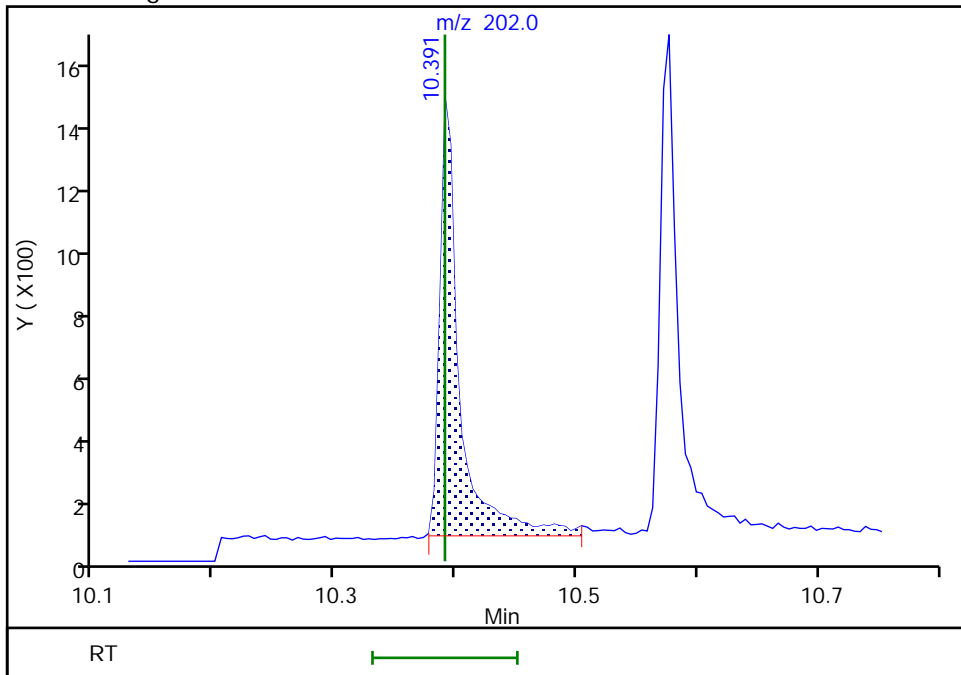
Not Detected
Expected RT: 10.39

Processing Integration Results



Manual Integration Results

RT: 10.39
Area: 1527
Amount: 4.311803
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:04:42
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

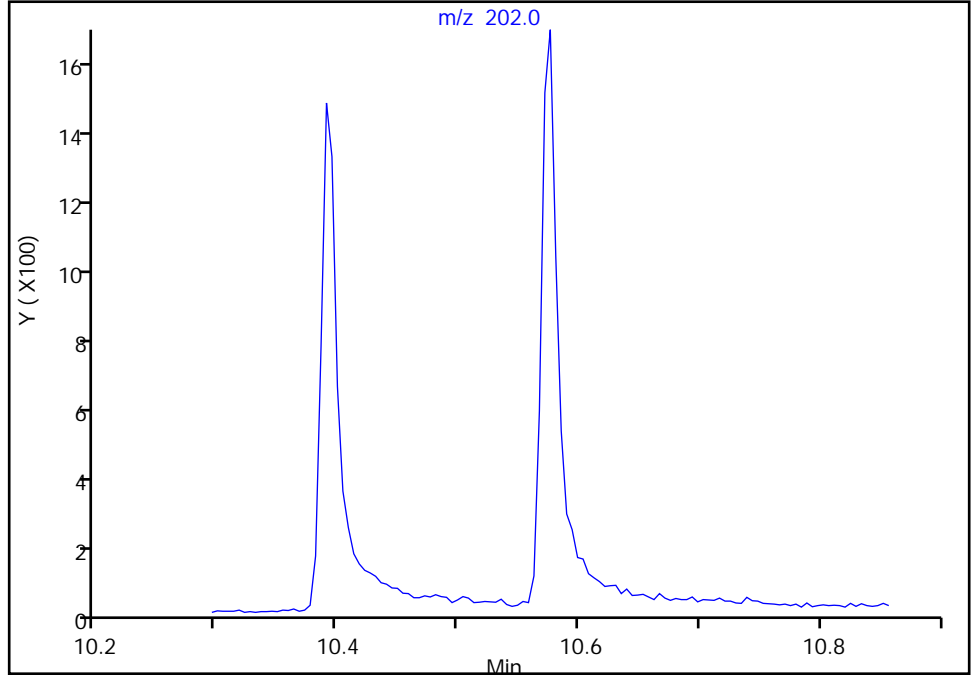
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Pyrene, CAS: 129-00-0

Signal: 1

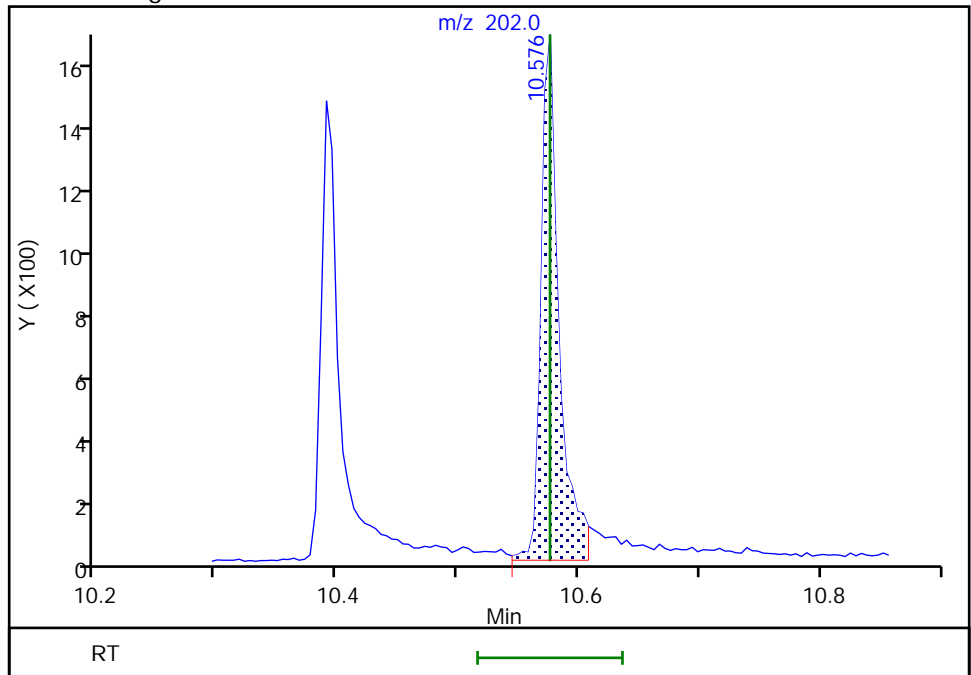
Not Detected
Expected RT: 10.58

Processing Integration Results



RT: 10.58
Area: 1589
Amount: 4.266339
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 25-Mar-2022 13:04:36
Audit Action: Assigned Compound ID

Audit Reason: Baseline

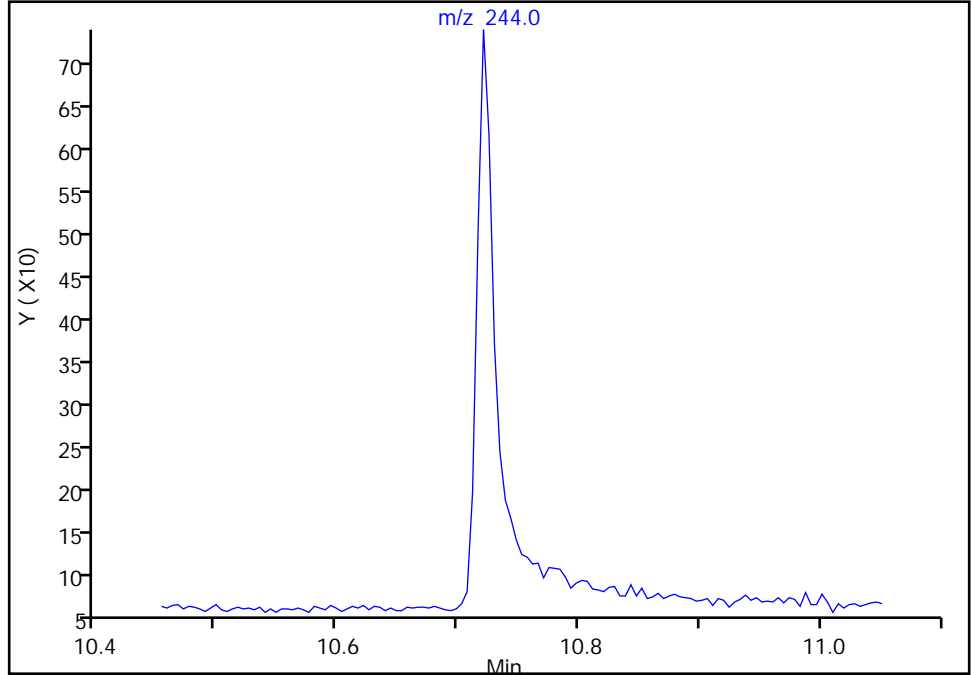
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 11 Terphenyl-d14, CAS: 1718-51-0
Signal: 1

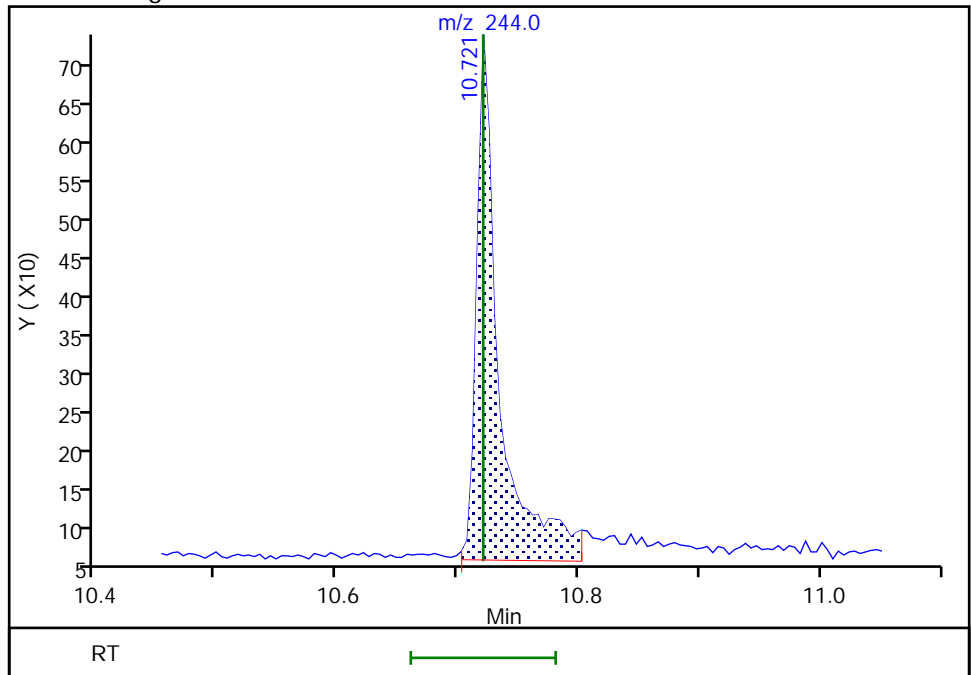
Not Detected
Expected RT: 10.72

Processing Integration Results



Manual Integration Results

RT: 10.72
Area: 884
Amount: 4.134261
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 12:57:25
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

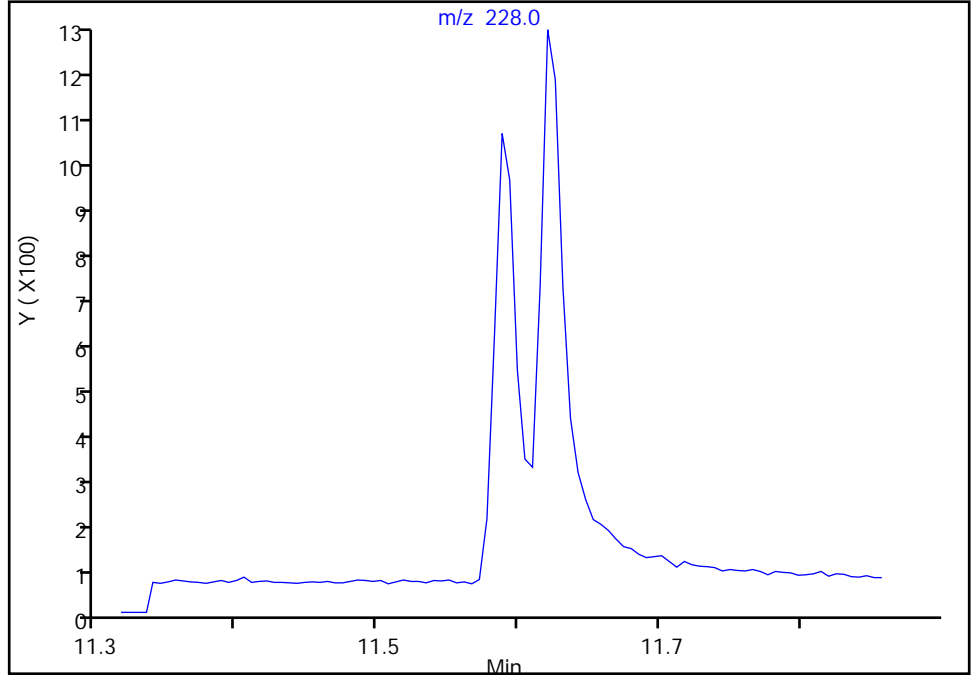
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

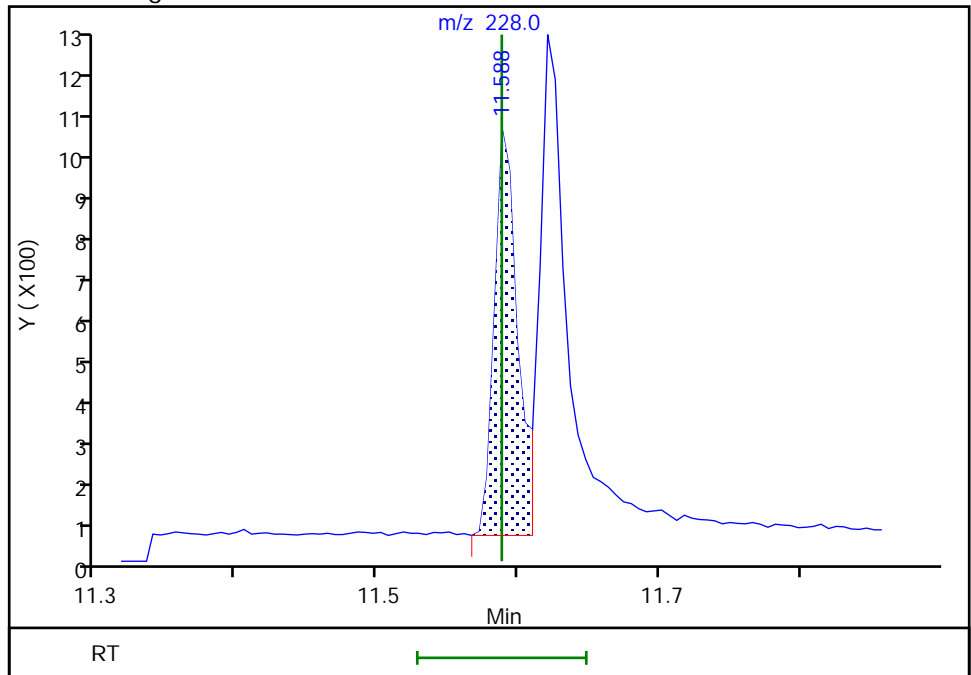
Not Detected
Expected RT: 11.59

Processing Integration Results



Manual Integration Results

RT: 11.59
Area: 1067
Amount: 4.414720
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:04:45
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle

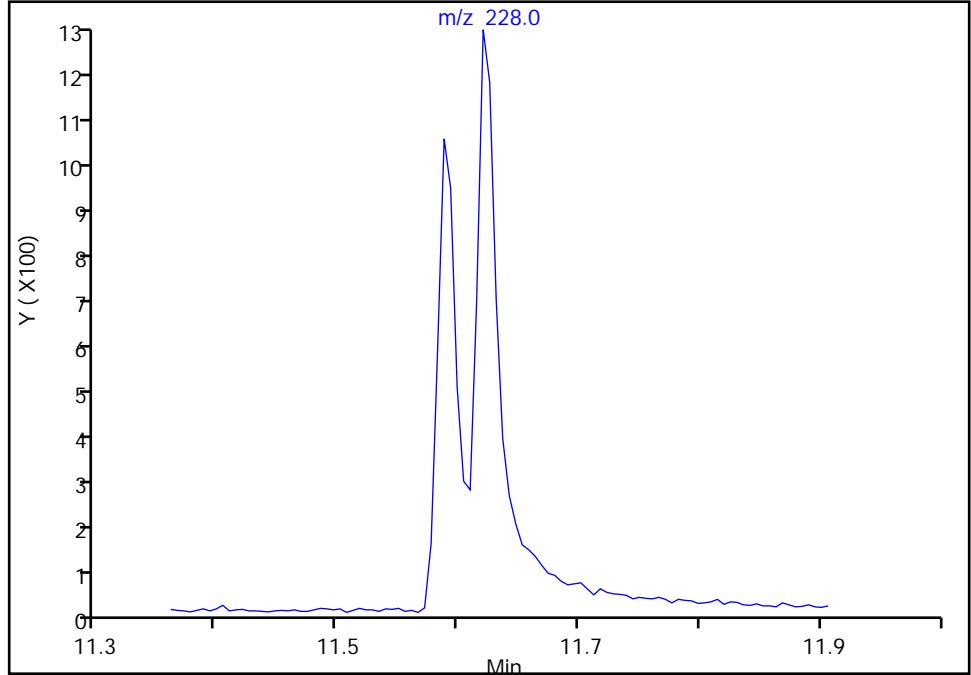
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Chrysene, CAS: 218-01-9

Signal: 1

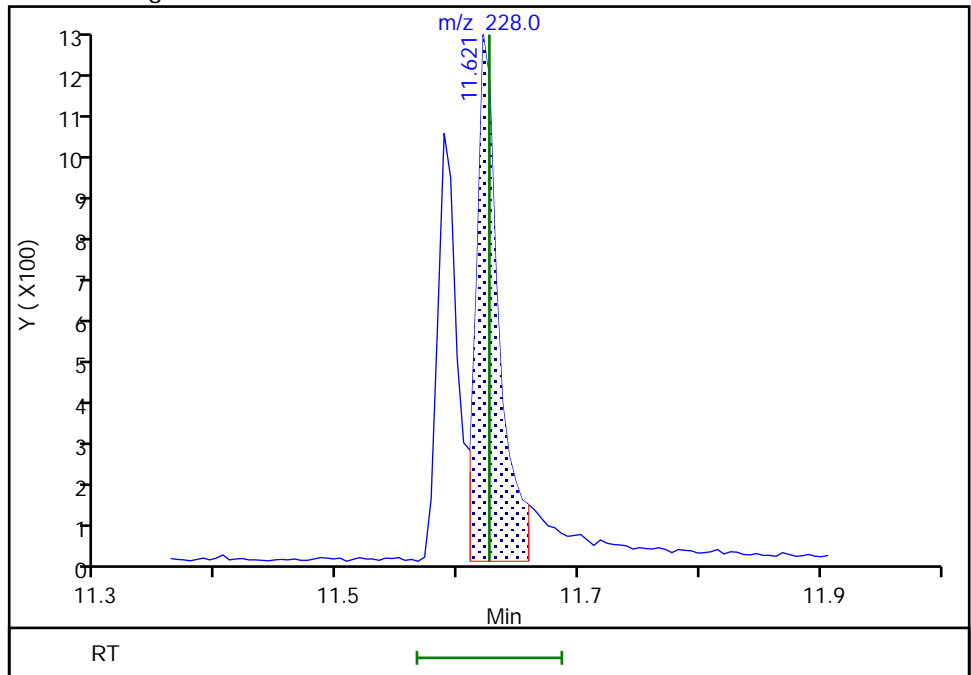
Not Detected
Expected RT: 11.63

Processing Integration Results



Manual Integration Results

RT: 11.62
Area: 1471
Amount: 4.503732
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:04:48
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle

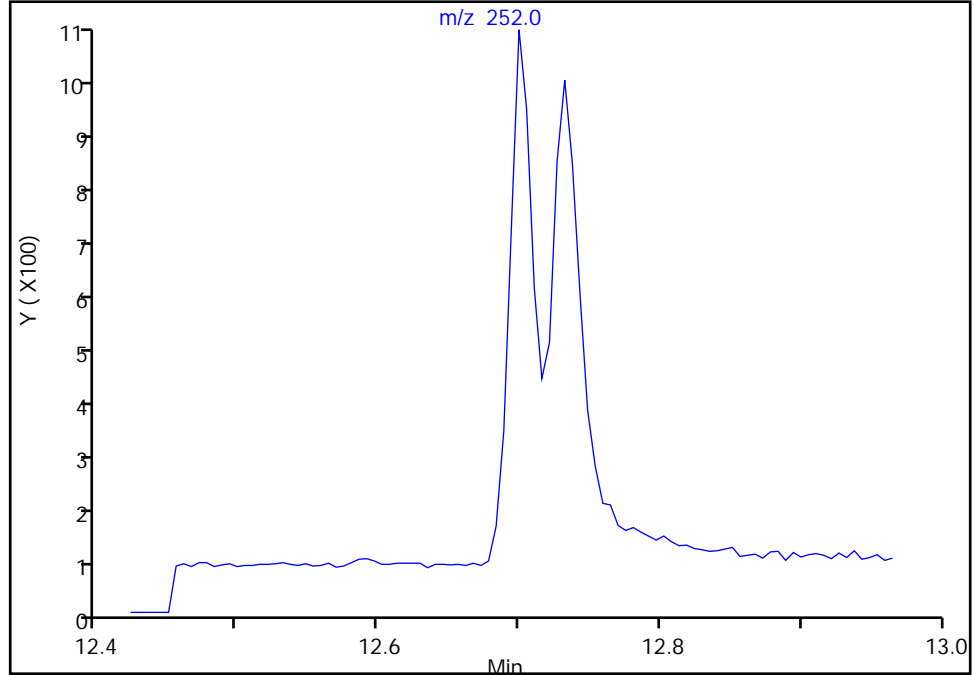
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

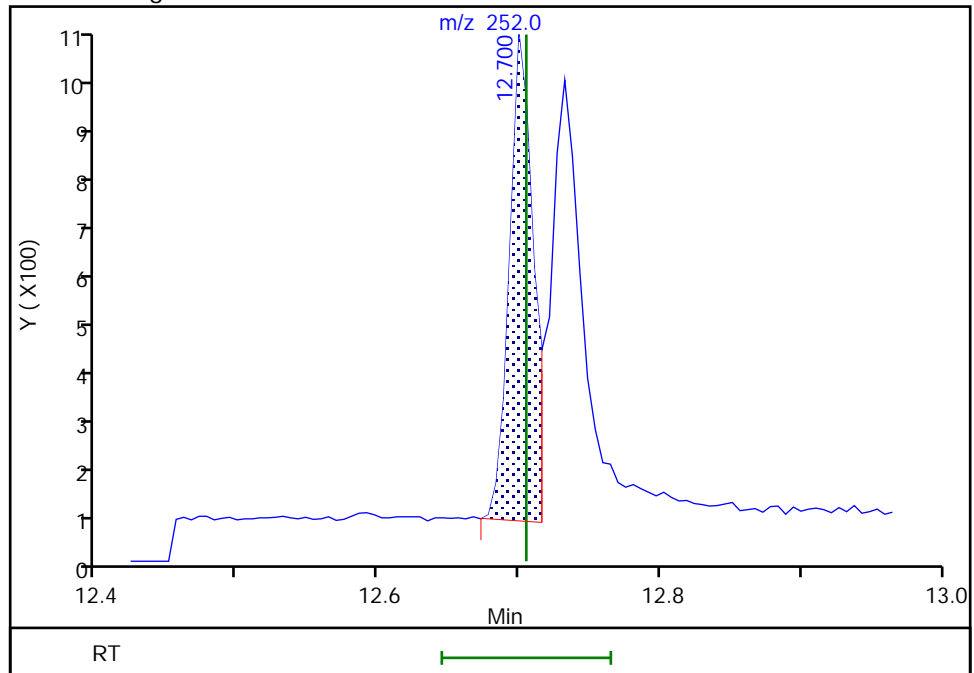
Not Detected
Expected RT: 12.70

Processing Integration Results



Manual Integration Results

RT: 12.70
Area: 1087
Amount: 4.391753
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:05:02
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

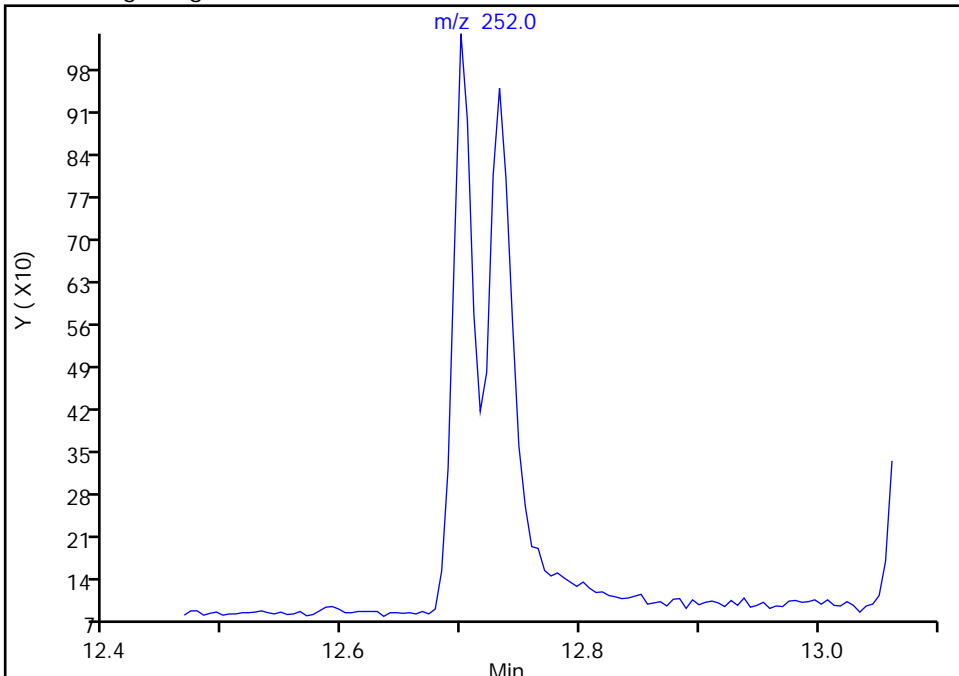
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

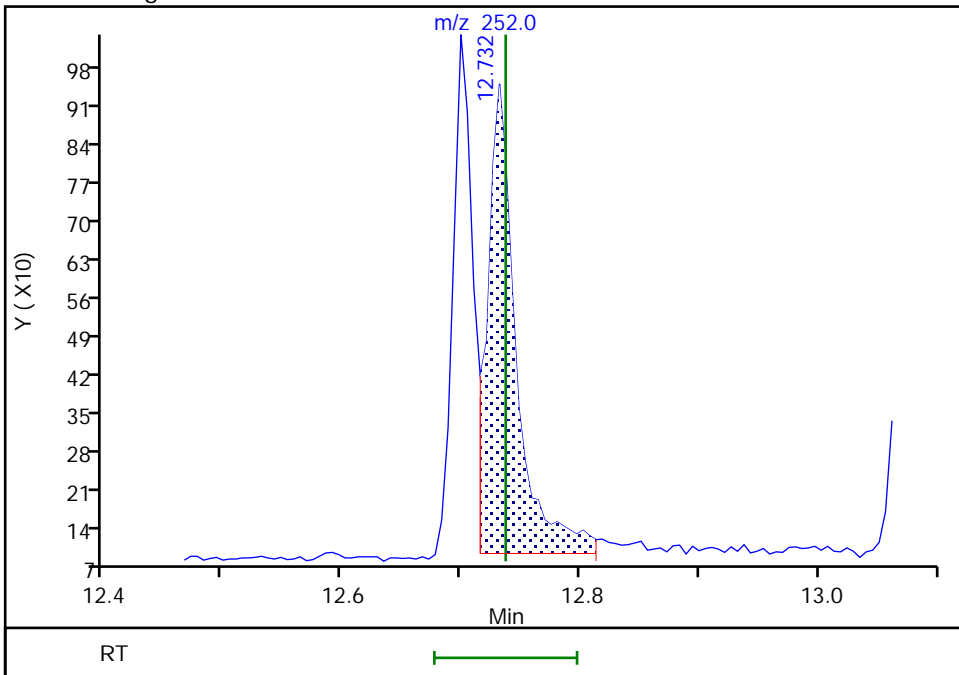
Not Detected
Expected RT: 12.74

Processing Integration Results



Manual Integration Results

RT: 12.73
Area: 1390
Amount: 4.698850
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:05:13
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

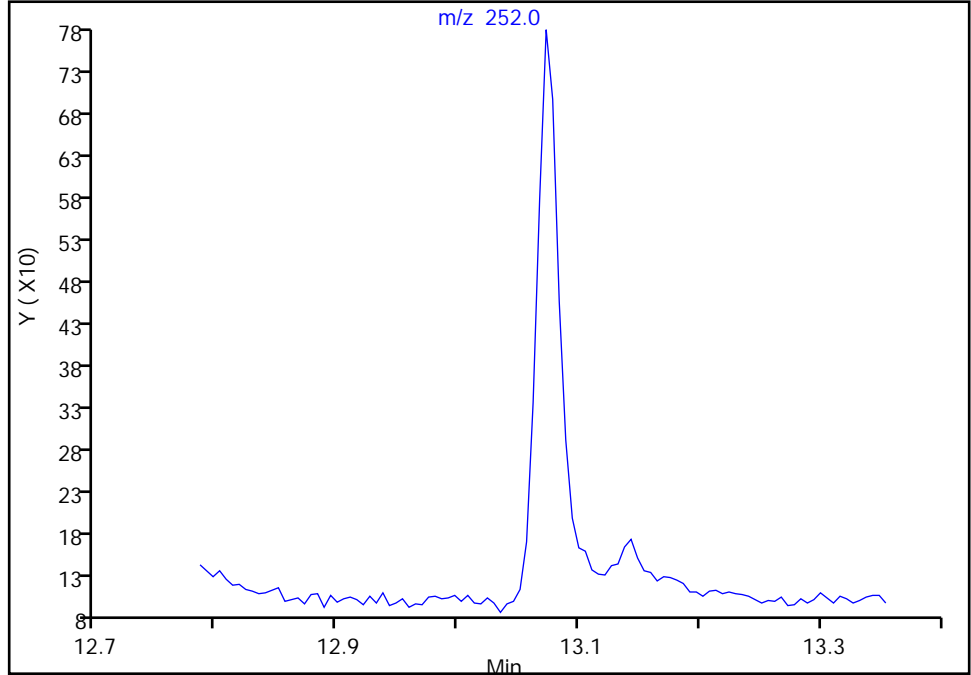
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

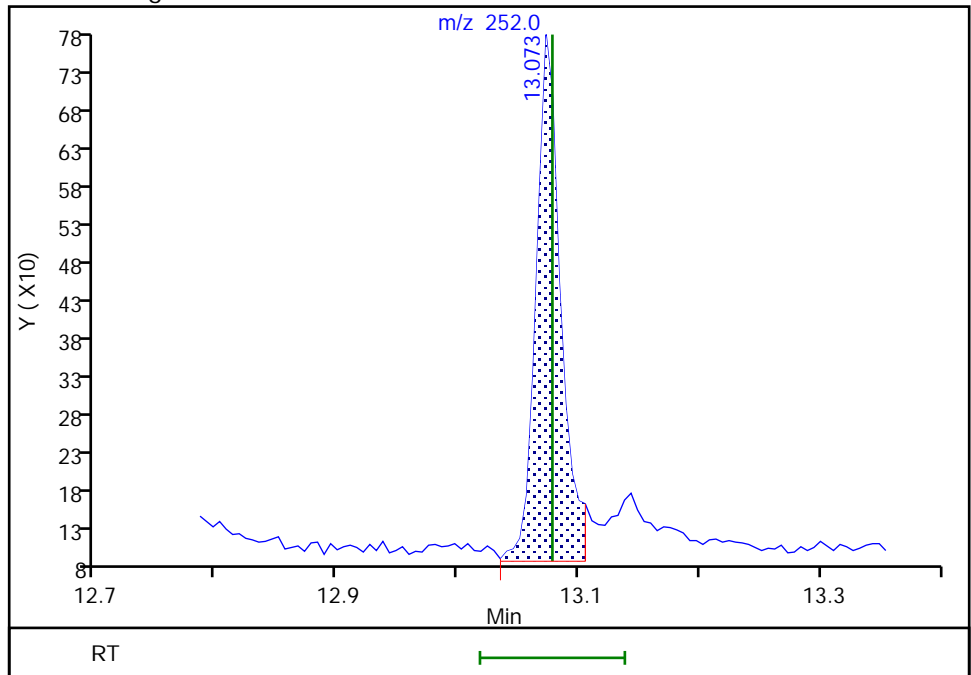
Not Detected
Expected RT: 13.08

Processing Integration Results



Manual Integration Results

RT: 13.07
Area: 969
Amount: 4.307833
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:05:15
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle

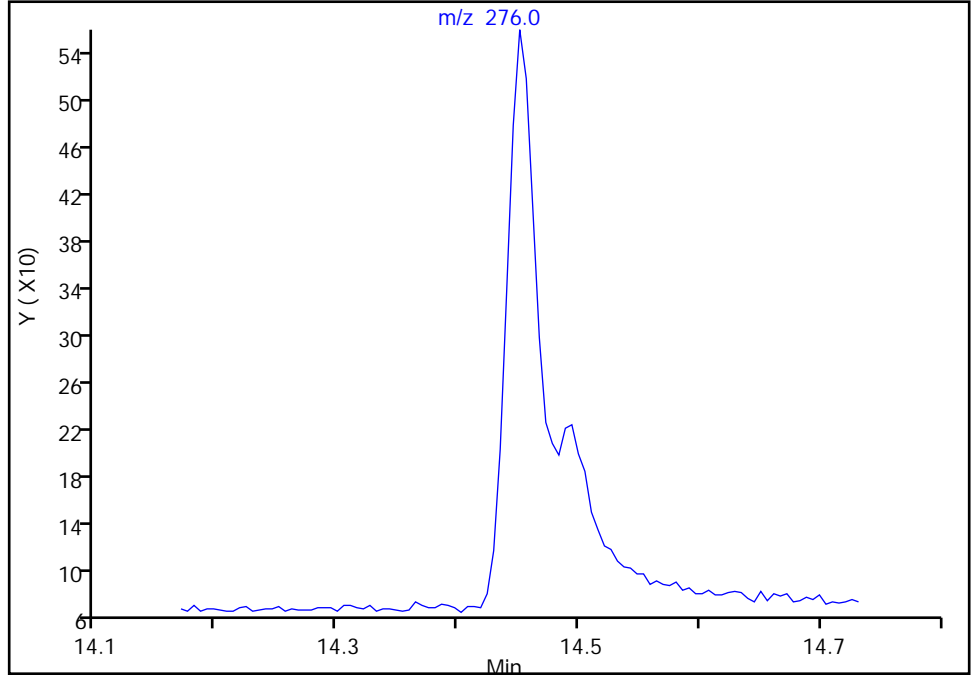
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

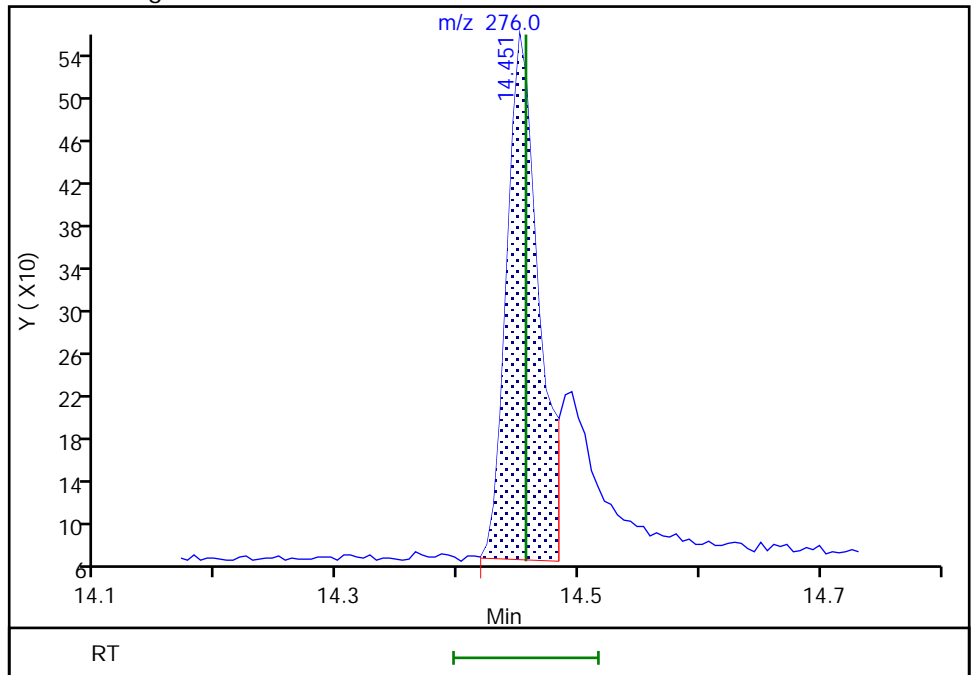
Not Detected
Expected RT: 14.46

Processing Integration Results



Manual Integration Results

RT: 14.45
Area: 907
Amount: 4.431930
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:05:24
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

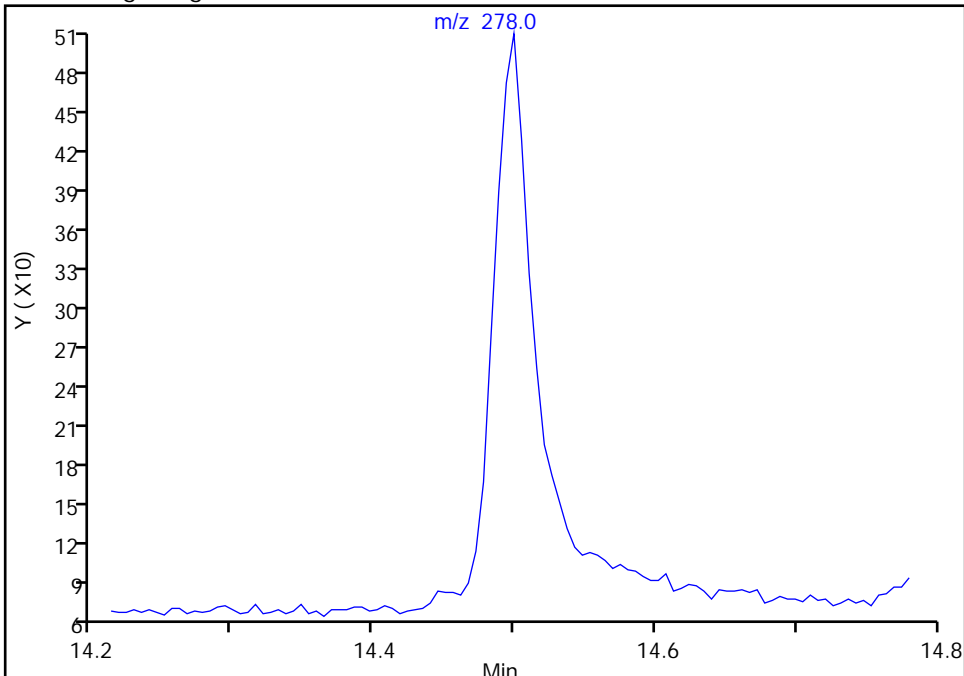
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

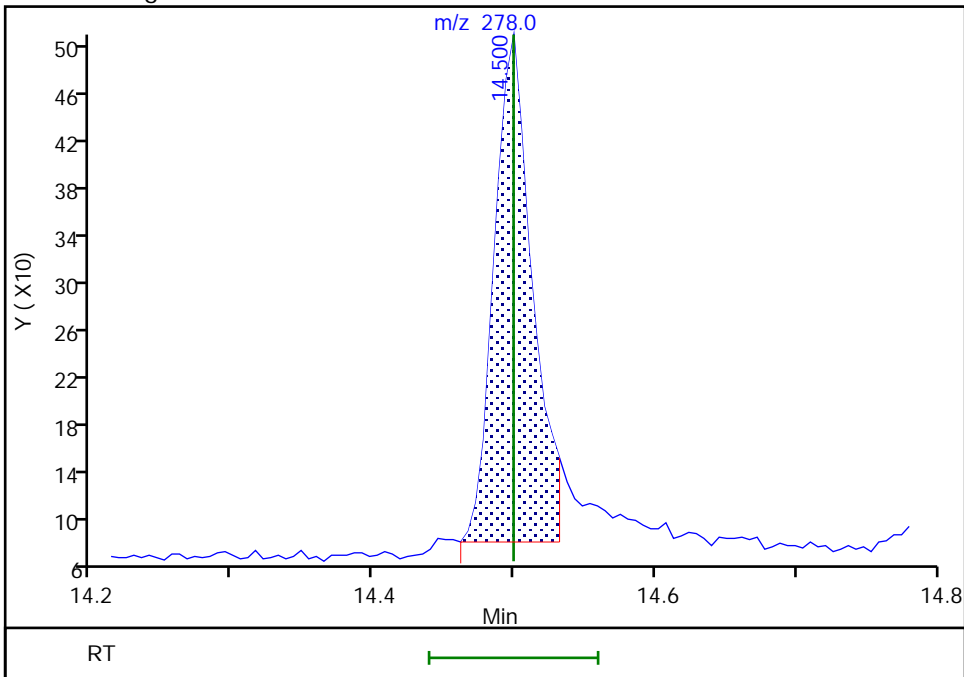
Not Detected
Expected RT: 14.50

Processing Integration Results



Manual Integration Results

RT: 14.50
Area: 785
Amount: 5.420027
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:05:26
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle

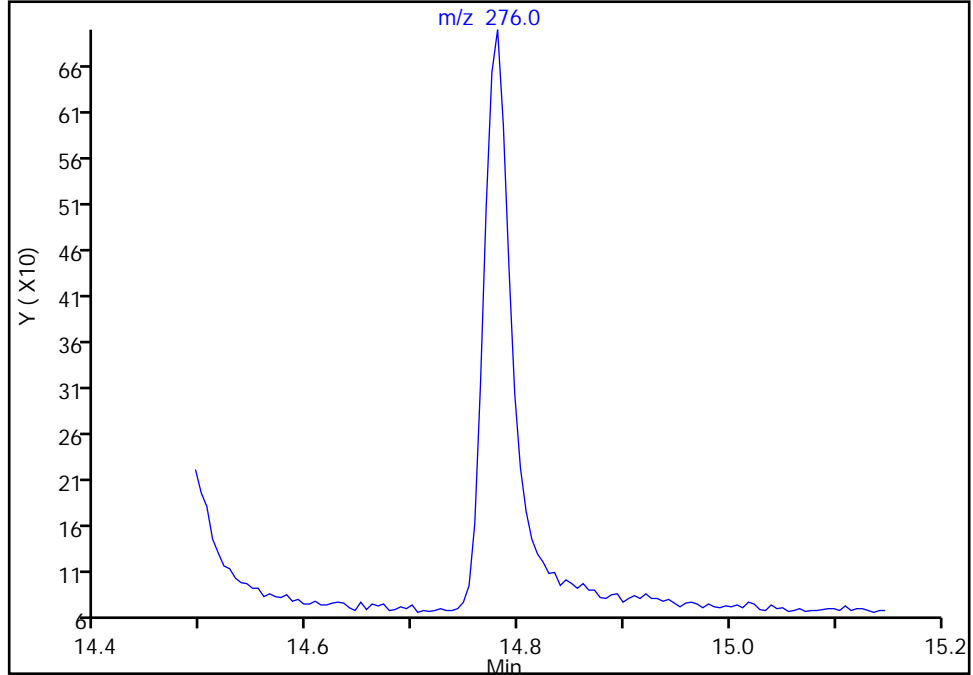
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a031.D
Injection Date: 25-Mar-2022 01:19:30 Instrument ID: SEA101
Lims ID: std3
Client ID:
Operator ID: tl ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

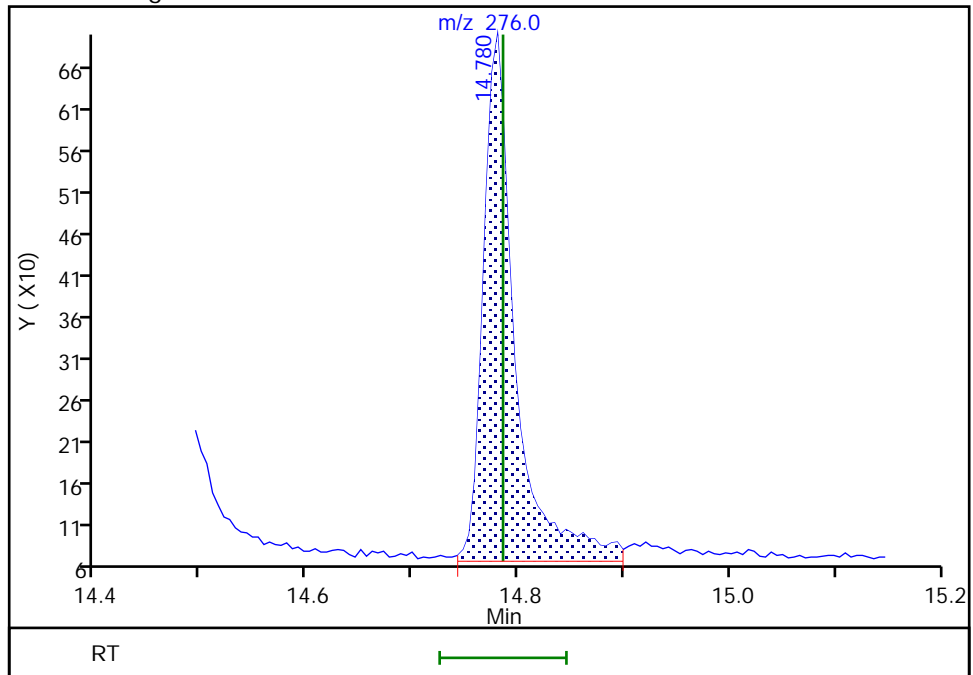
Not Detected
Expected RT: 14.79

Processing Integration Results



Manual Integration Results

RT: 14.78
Area: 1318
Amount: 4.613373
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:05:34
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 25-Mar-2022 02:08:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 2
 Operator ID: tl Instrument ID: SEA101
 Sublist: chrom-8270_SIM_SEA101*sub12
 Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 25-Mar-2022 13:30:29 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1605

First Level Reviewer: limmere Date: 25-Mar-2022 13:09:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	50783	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	63638	100.0	100.0	
* 3 Acenaphthene-d10	164	8.188	8.188	0.000	1	25801	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	36289	100.0	100.0	
* 5 Chrysene-d12	240	11.604	11.604	0.000	1	25795	100.0	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	23894	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.305	-0.005	98	647	2.00	1.86	
\$ 8 2-Fluorobiphenyl	172	7.642	7.642	0.000	1	797	2.00	2.01	Ma
\$ 9 2,4,6-Tribromophenol	330	8.838	8.832	0.006	1	40	2.00	12.6	M
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	99	620	2.00	1.78	M
\$ 11 Terphenyl-d14	244	10.721	10.721	0.000	1	426	2.00	1.71	M
12 Naphthalene	128	6.744	6.749	-0.005	1	1315	2.00	1.99	Ma
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	713	2.00	1.80	
14 1-Methylnaphthalene	142	7.408	7.413	-0.005	1	719	2.00	1.85	
15 Acenaphthylene	152	8.065	8.069	-0.004	1	860	2.00	1.90	M
16 Acenaphthene	153	8.213	8.213	0.000	5	615	2.00	1.87	
17 Fluorene	166	8.637	8.637	0.000	1	453	2.00	1.38	Ma
19 Phenanthrene	178	9.418	9.418	0.000	1	807	2.00	1.90	M
20 Anthracene	178	9.463	9.462	0.000	1	669	2.00	2.18	M
21 Fluoranthene	202	10.391	10.391	0.000	1	699	2.00	1.70	M
22 Pyrene	202	10.576	10.576	0.000	22	740	2.00	1.71	M
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	523	2.00	1.82	M
24 Chrysene	228	11.626	11.626	0.000	1	875	2.00	2.16	M
25 Benzo[b]fluoranthene	252	12.699	12.705	-0.006	1	486	2.00	1.71	M
26 Benzo[k]fluoranthene	252	12.732	12.737	-0.005	1	625	2.00	1.97	M
27 Benzo[a]pyrene	252	13.073	13.078	-0.005	1	442	2.00	1.71	M
28 Indeno[1,2,3-cd]pyrene	276	14.456	14.456	0.000	1	388	2.00	1.65	M
29 Dibenz(a,h)anthracene	278	14.499	14.499	0.000	1	469	2.00	3.88	M
30 Benzo[g,h,i]perylene	276	14.780	14.785	-0.005	6	535	2.00	1.63	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270SIM_IS_00069

Amount Added: 9.60

Units: uL

8270ccvl_50_00037

Amount Added: 40.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D

Injection Date: 25-Mar-2022 02:08:30

Instrument ID: SEA101

Lims ID: std2

Client ID:

Operator ID: tl

ALS Bottle#: 15

Worklist Smp#: 15

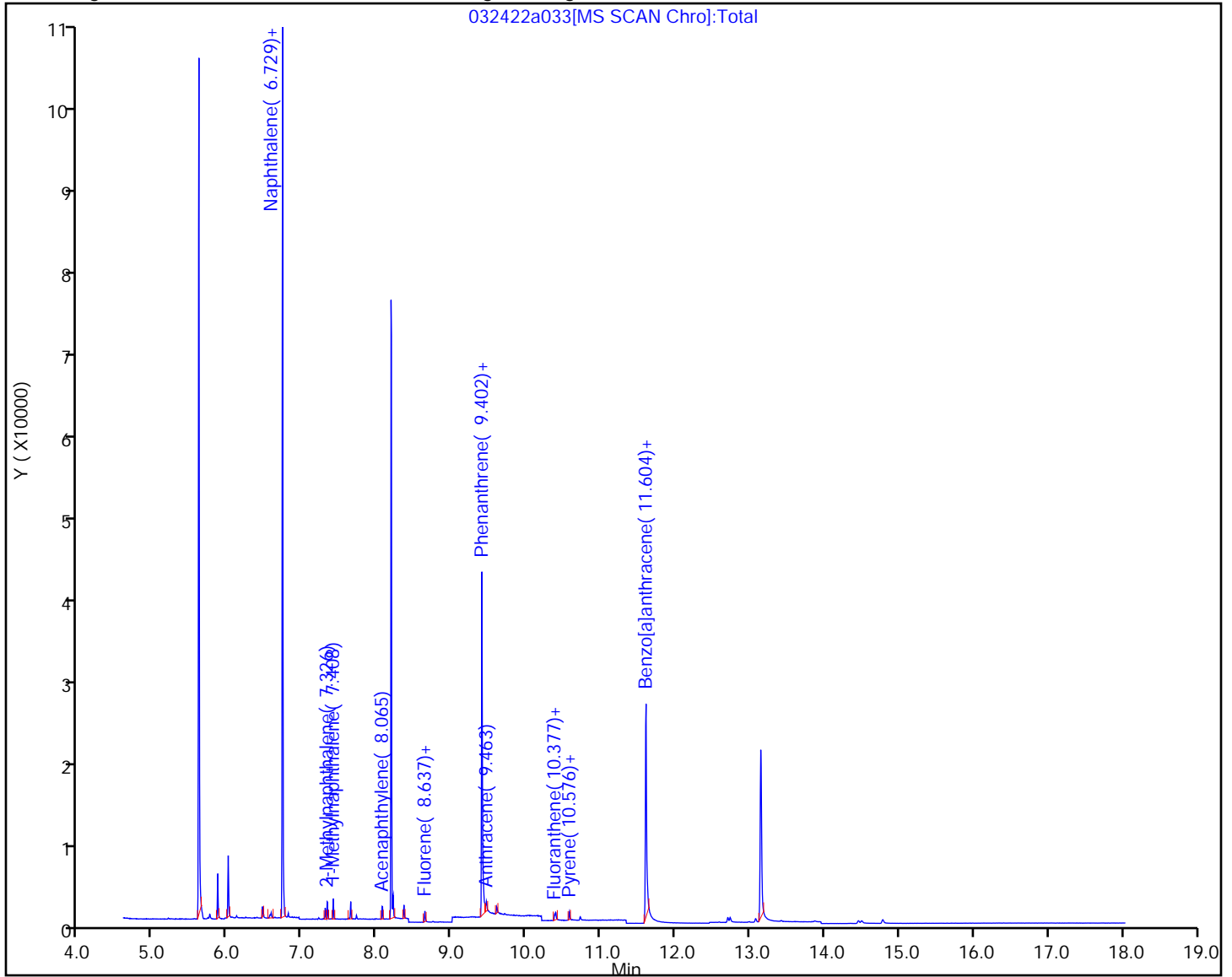
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

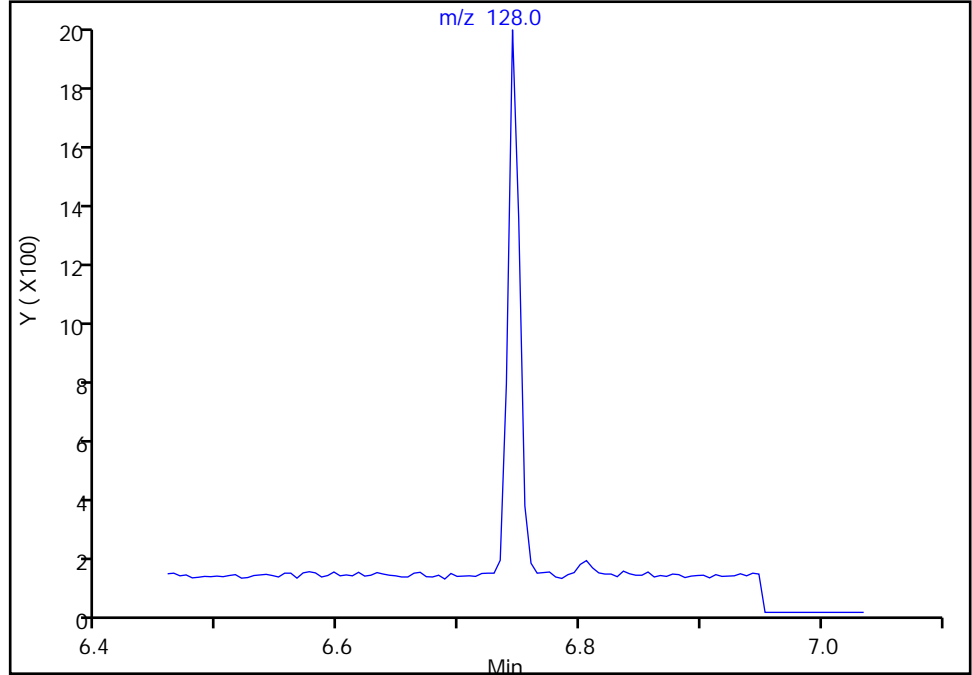
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

12 Naphthalene, CAS: 91-20-3

Signal: 1

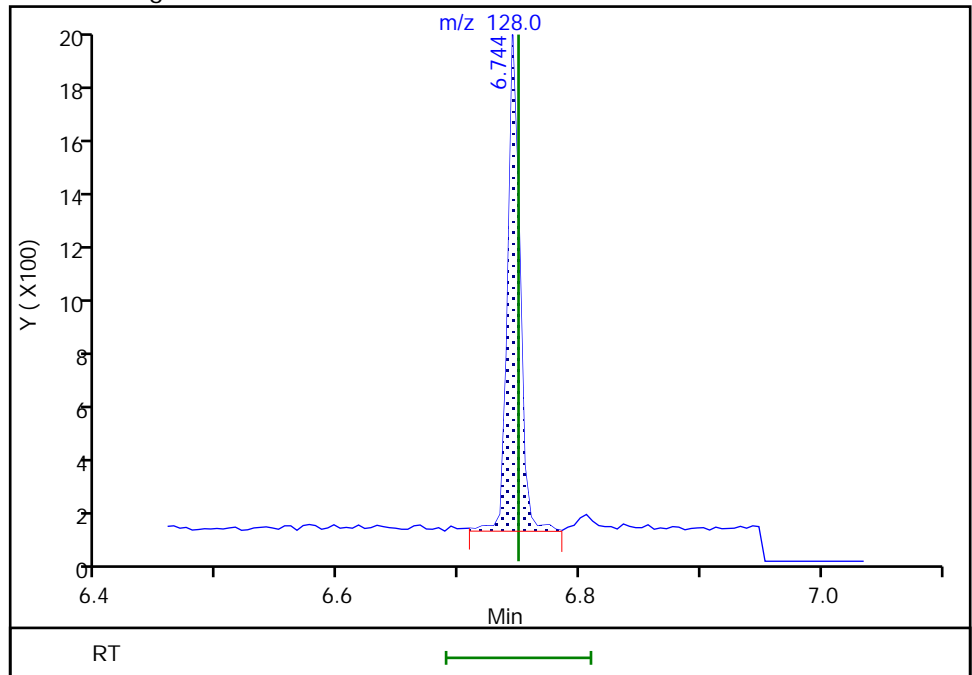
Not Detected
Expected RT: 6.75

Processing Integration Results



Manual Integration Results

RT: 6.74
Area: 1315
Amount: 1.989131
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:08:23
Audit Action: Manually Integrated

Audit Reason: Baseline

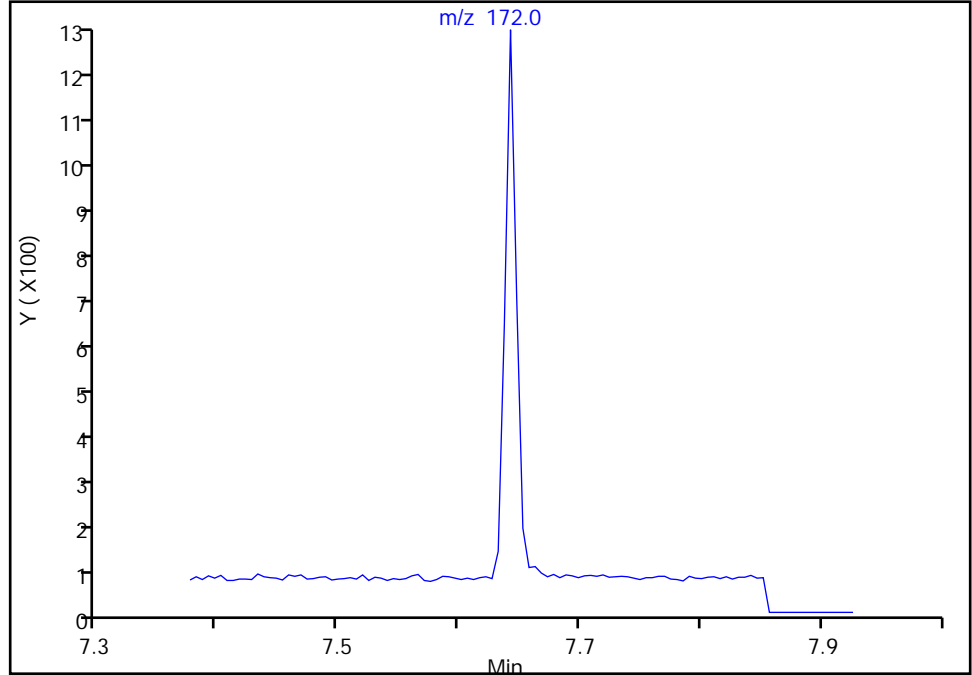
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 8 2-Fluorobiphenyl, CAS: 321-60-8
Signal: 1

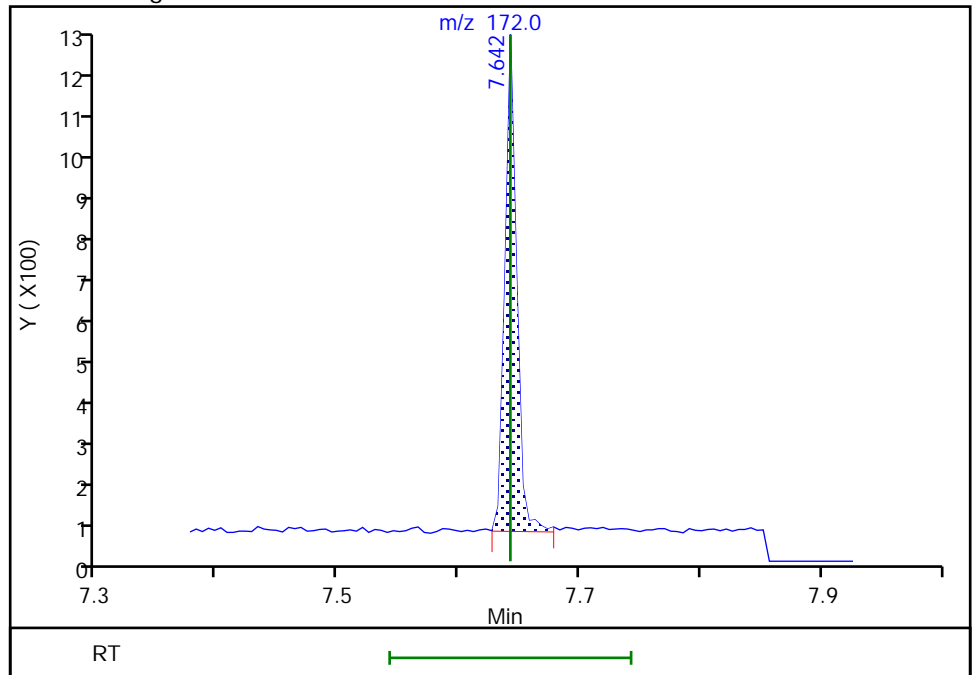
Not Detected
Expected RT: 7.64

Processing Integration Results



RT: 7.64
Area: 797
Amount: 2.009165
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 25-Mar-2022 13:08:00
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

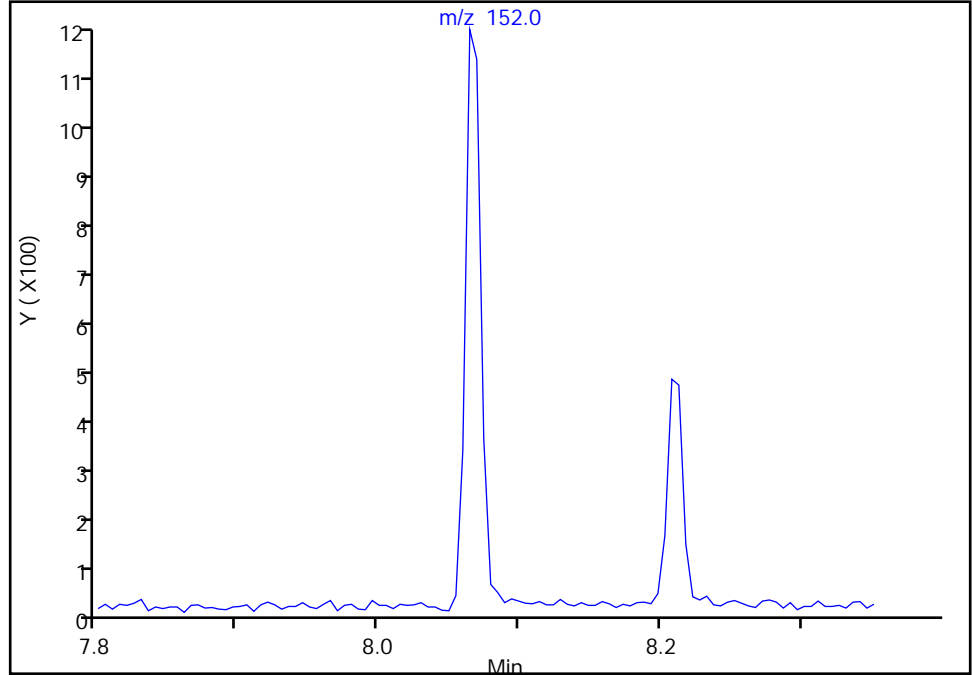
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

15 Acenaphthylene, CAS: 208-96-8

Signal: 1

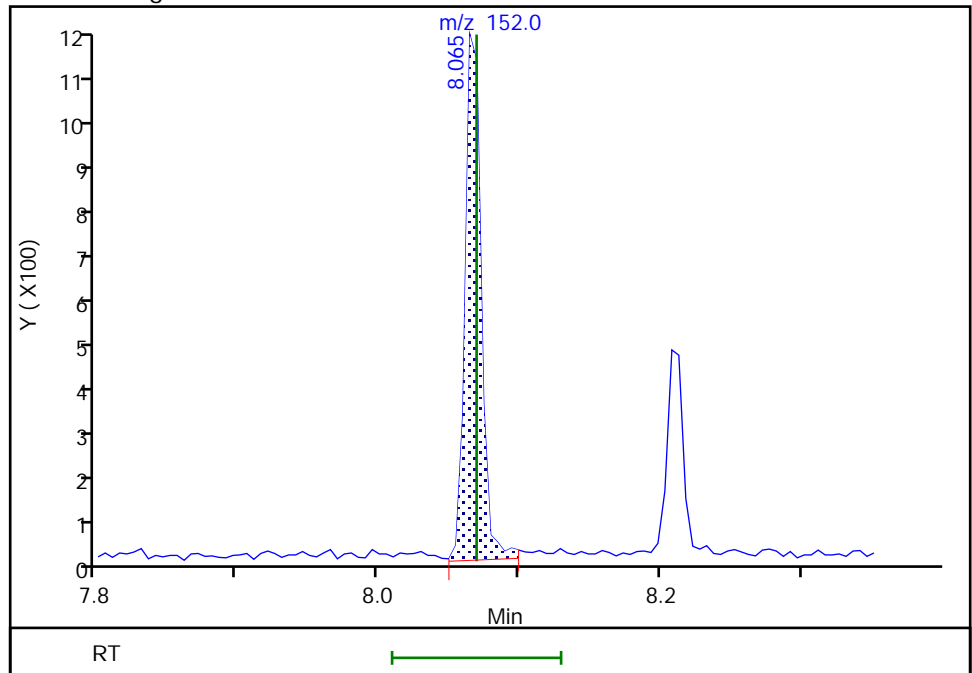
Not Detected
Expected RT: 8.07

Processing Integration Results



RT: 8.06
Area: 860
Amount: 1.899965
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 25-Mar-2022 13:08:27
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

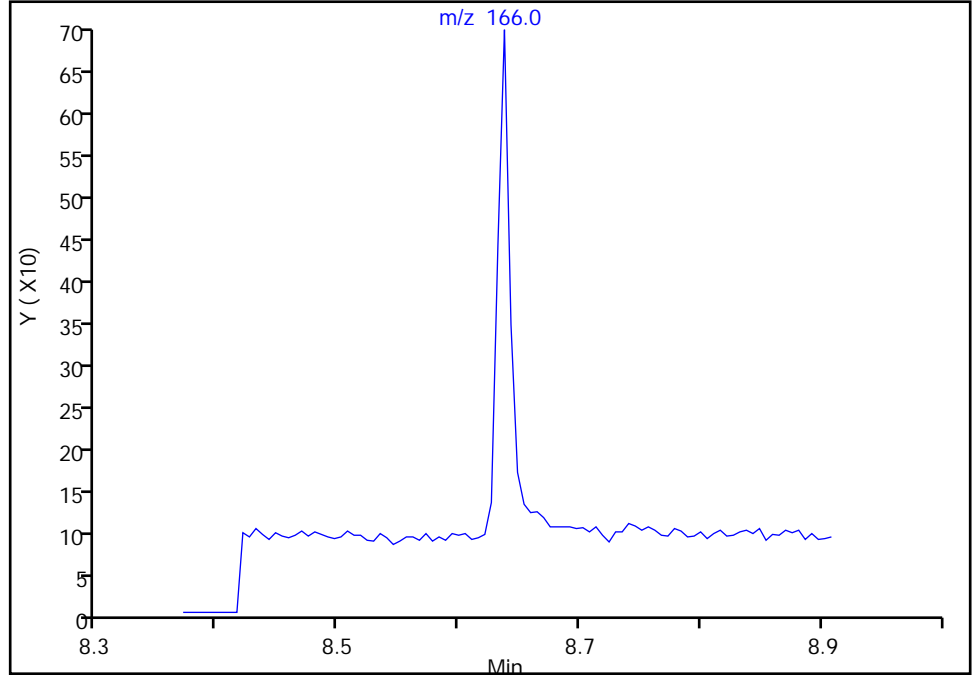
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

17 Fluorene, CAS: 86-73-7

Signal: 1

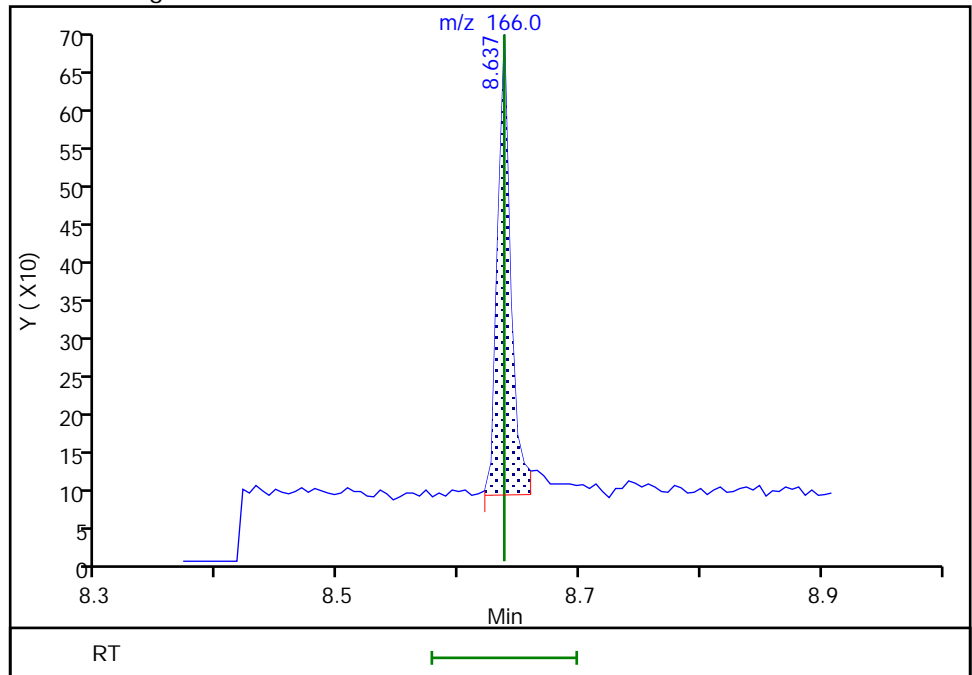
Not Detected
Expected RT: 8.64

Processing Integration Results



Manual Integration Results

RT: 8.64
Area: 453
Amount: 1.378341
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:08:36
Audit Action: Manually Integrated

Audit Reason: Baseline

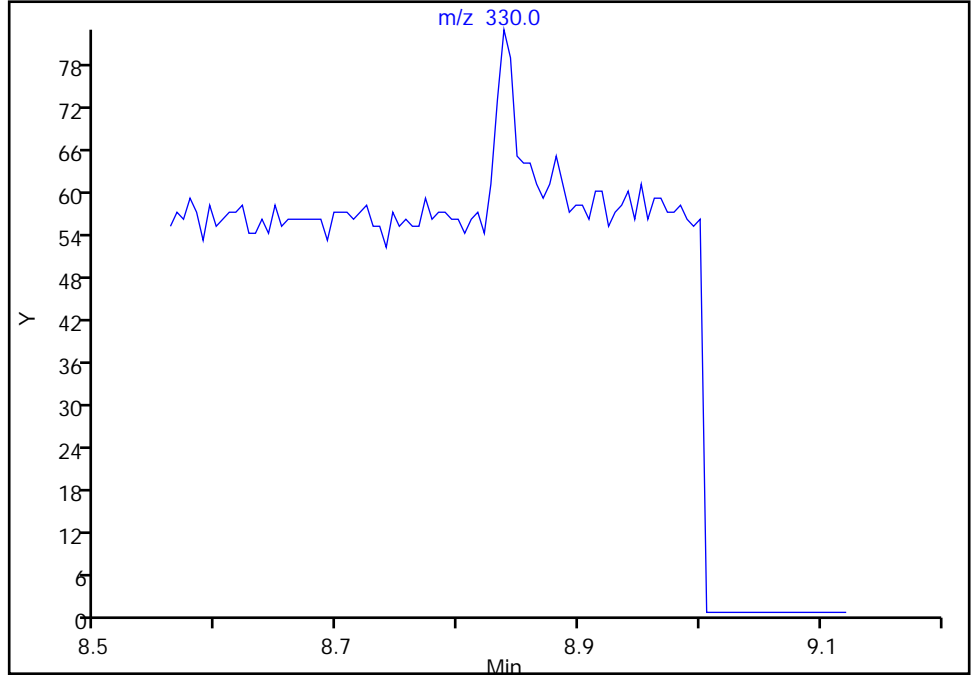
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 9 2,4,6-Tribromophenol, CAS: 118-79-6
Signal: 1

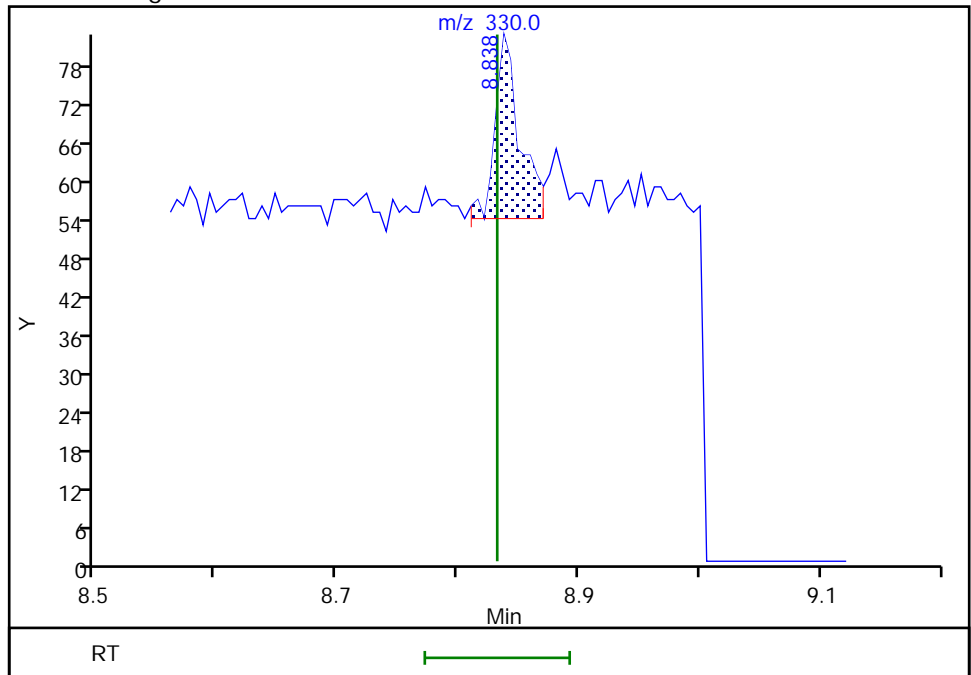
Not Detected
Expected RT: 8.83

Processing Integration Results



Manual Integration Results

RT: 8.84
Area: 40
Amount: 12.614746
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:08:05
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

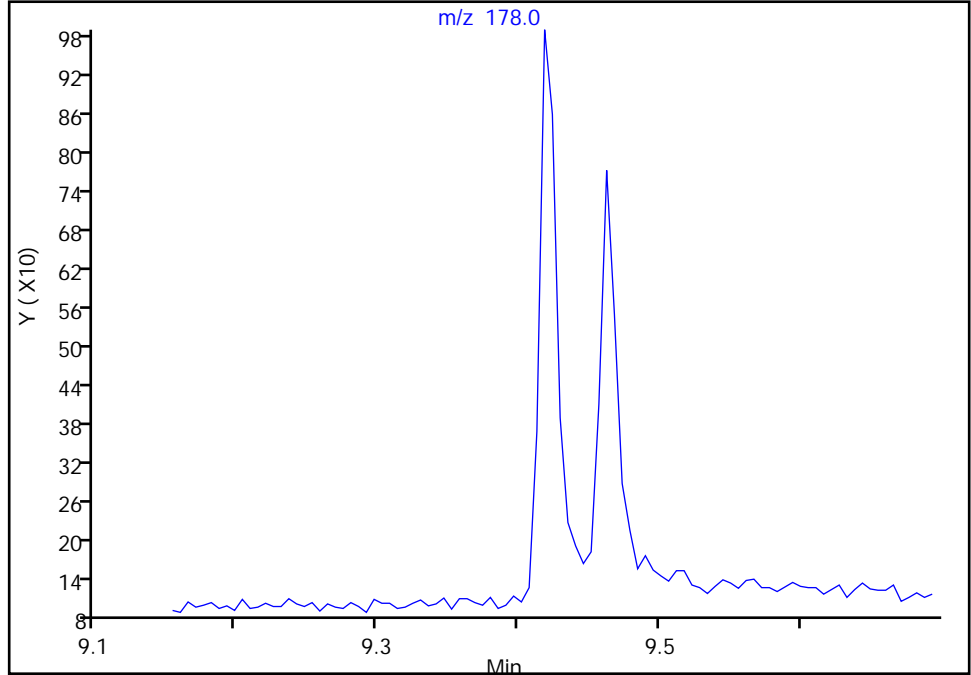
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Phenanthrene, CAS: 85-01-8

Signal: 1

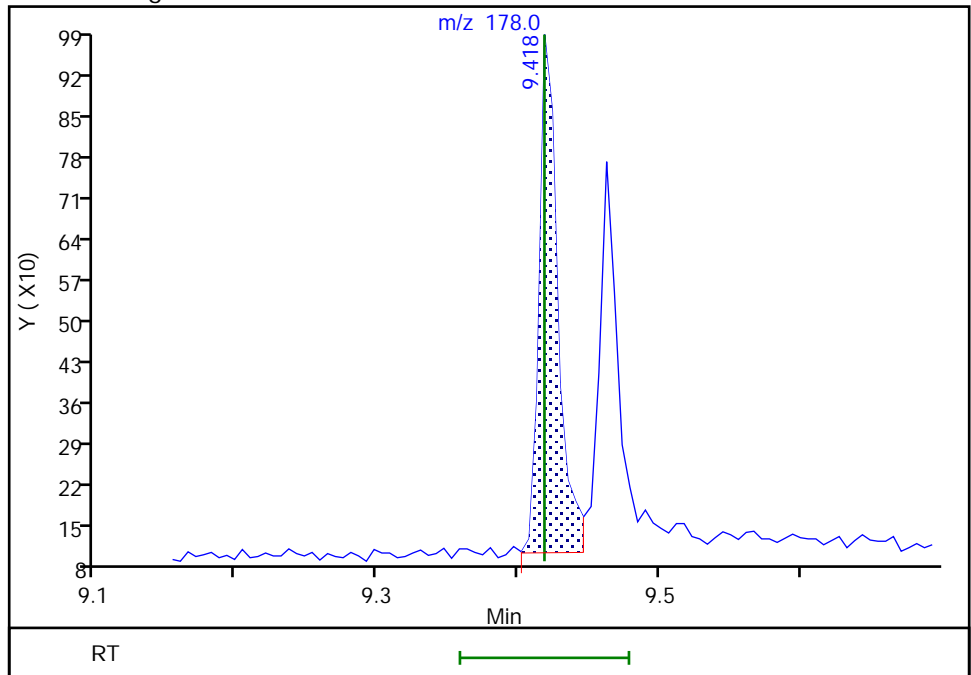
Not Detected
Expected RT: 9.42

Processing Integration Results



Manual Integration Results

RT: 9.42
Area: 807
Amount: 1.897676
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:08:45
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

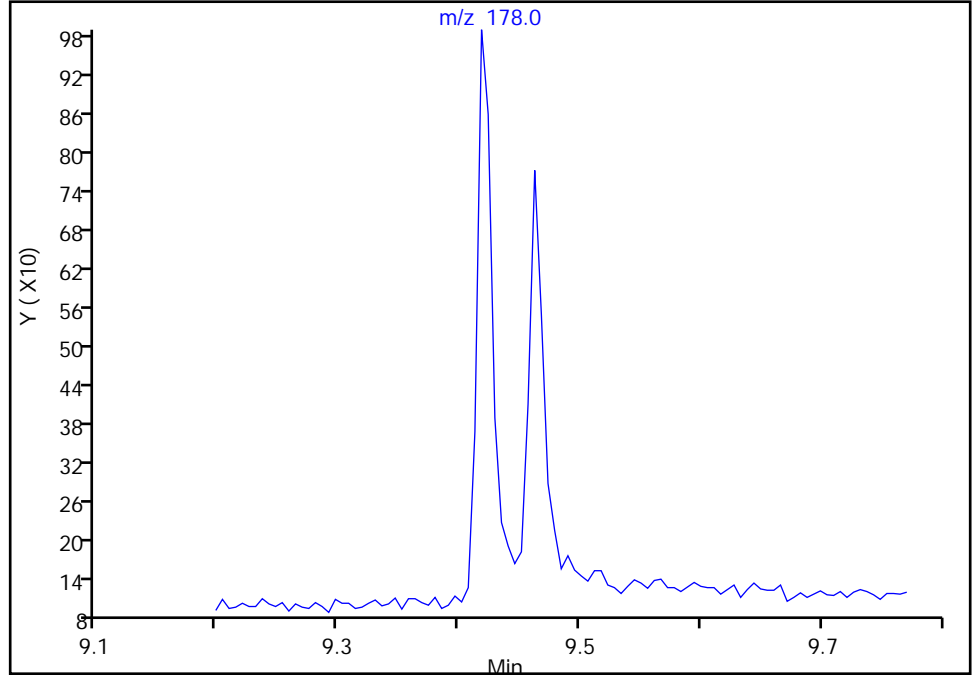
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Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Anthracene, CAS: 120-12-7

Signal: 1

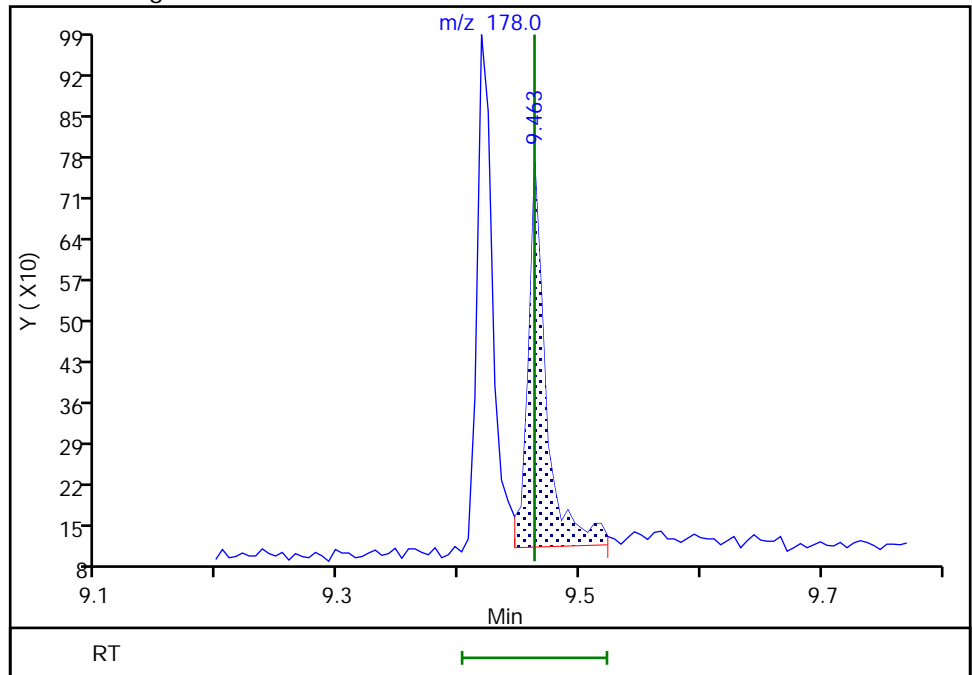
Not Detected
Expected RT: 9.46

Processing Integration Results



Manual Integration Results

RT: 9.46
Area: 669
Amount: 2.184419
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:08:52
Audit Action: Manually Integrated

Audit Reason: Baseline

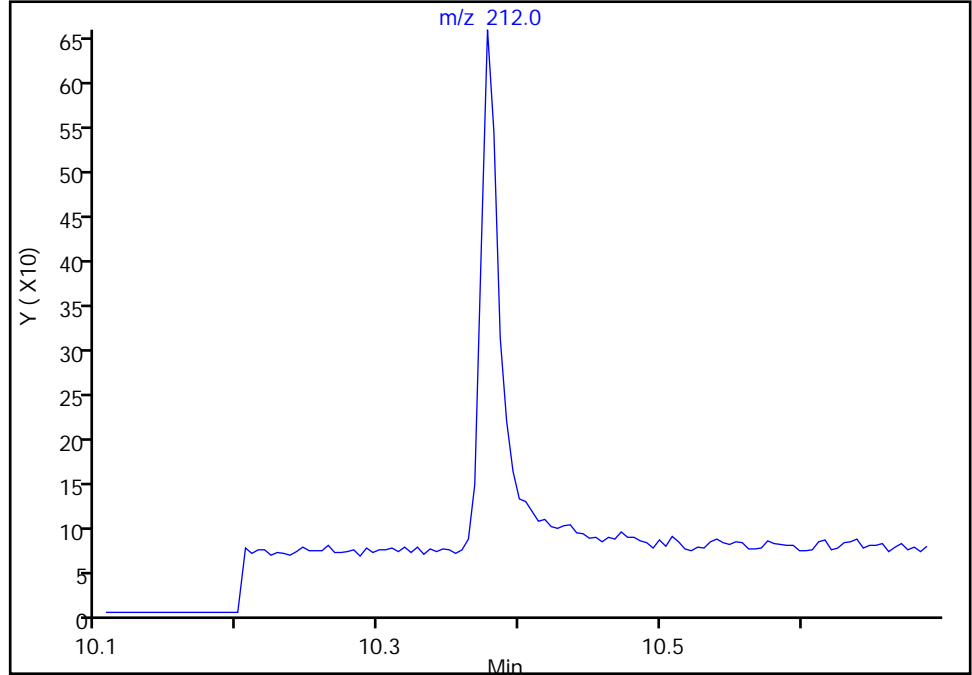
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 10 Fluoranthene-d10 (Surr), CAS: 93951-69-0
Signal: 1

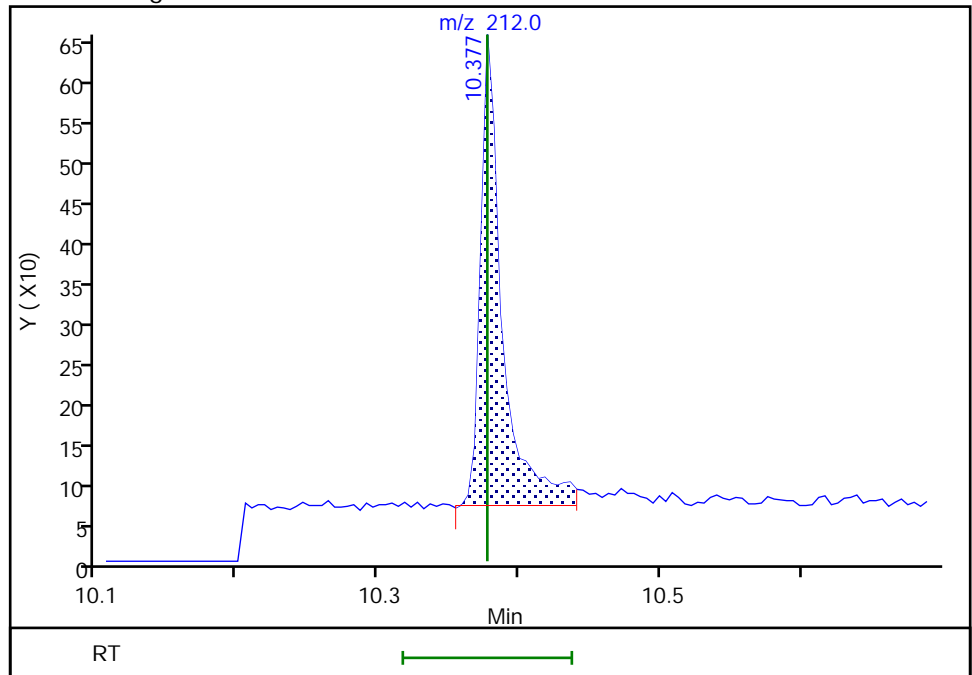
Not Detected
Expected RT: 10.38

Processing Integration Results



Manual Integration Results

RT: 10.38
Area: 620
Amount: 1.782539
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:08:09
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

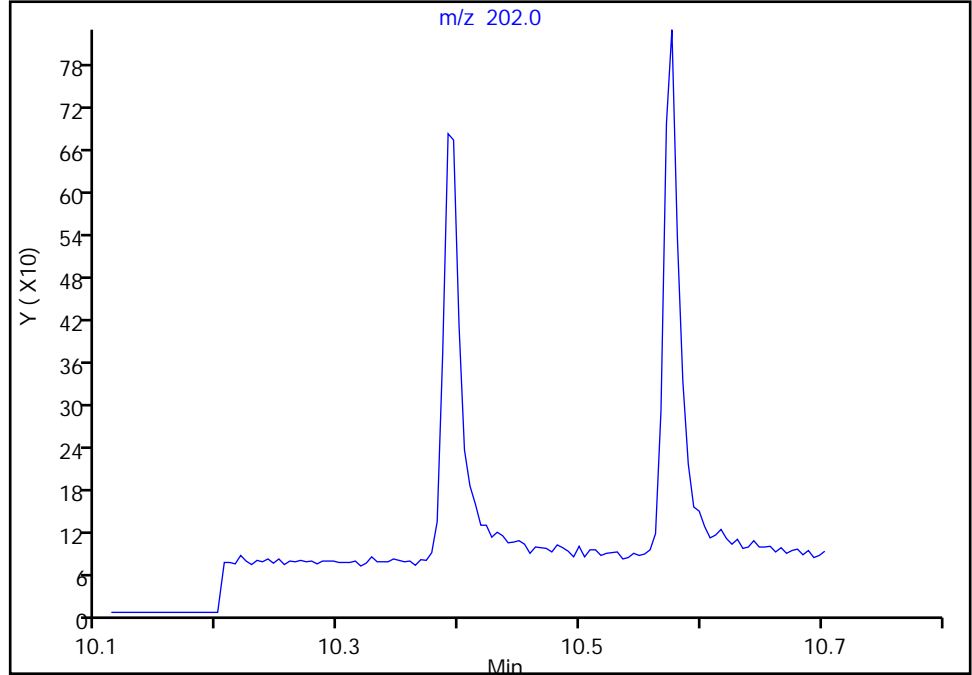
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Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Fluoranthene, CAS: 206-44-0

Signal: 1

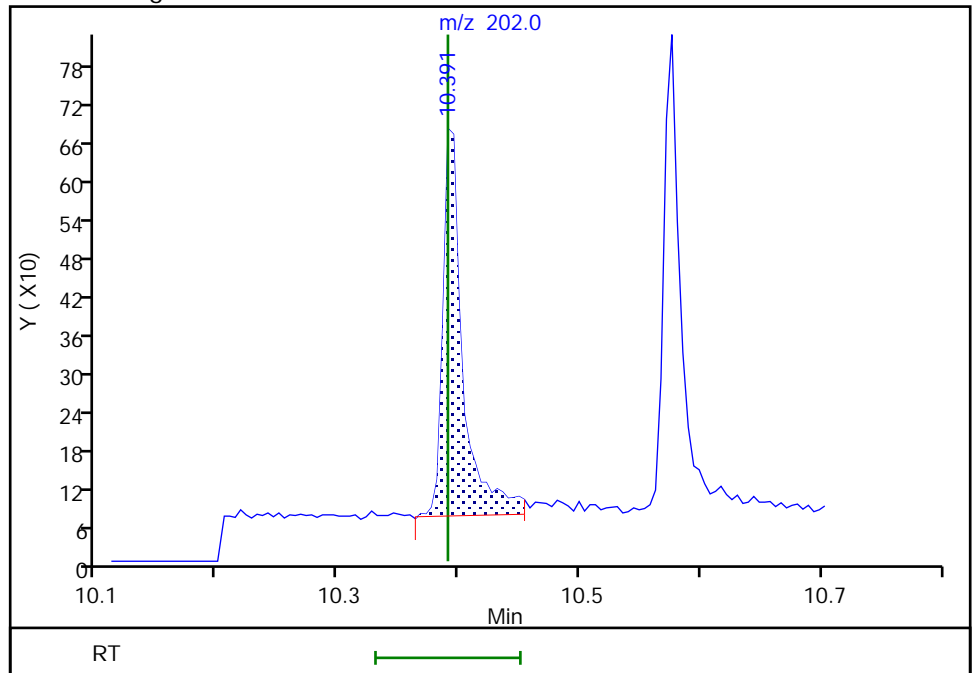
Not Detected
Expected RT: 10.39

Processing Integration Results



Manual Integration Results

RT: 10.39
Area: 699
Amount: 1.696925
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:08:55
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

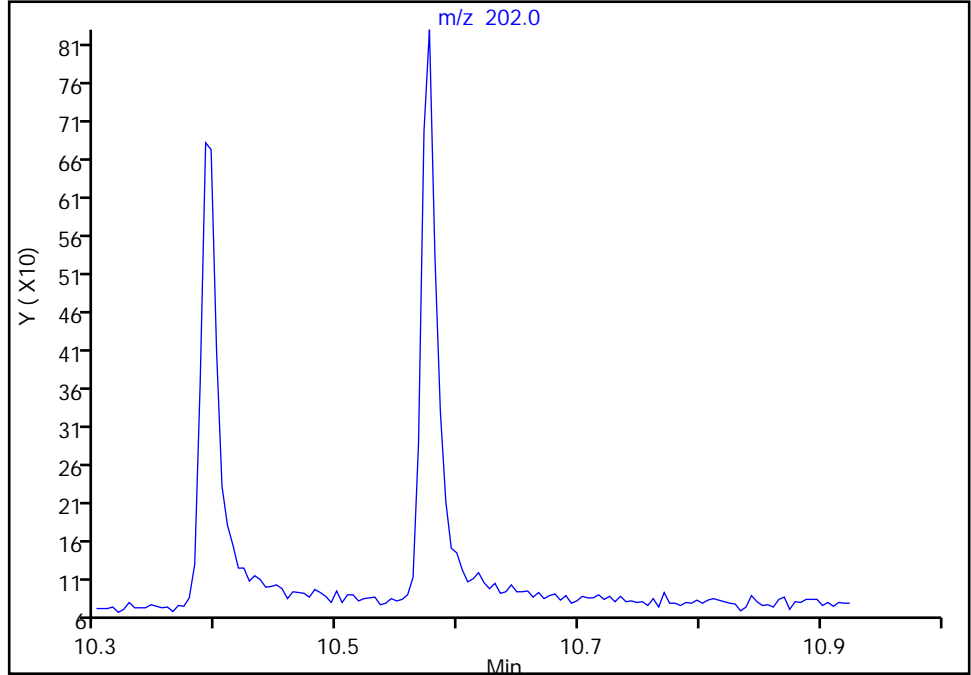
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Pyrene, CAS: 129-00-0

Signal: 1

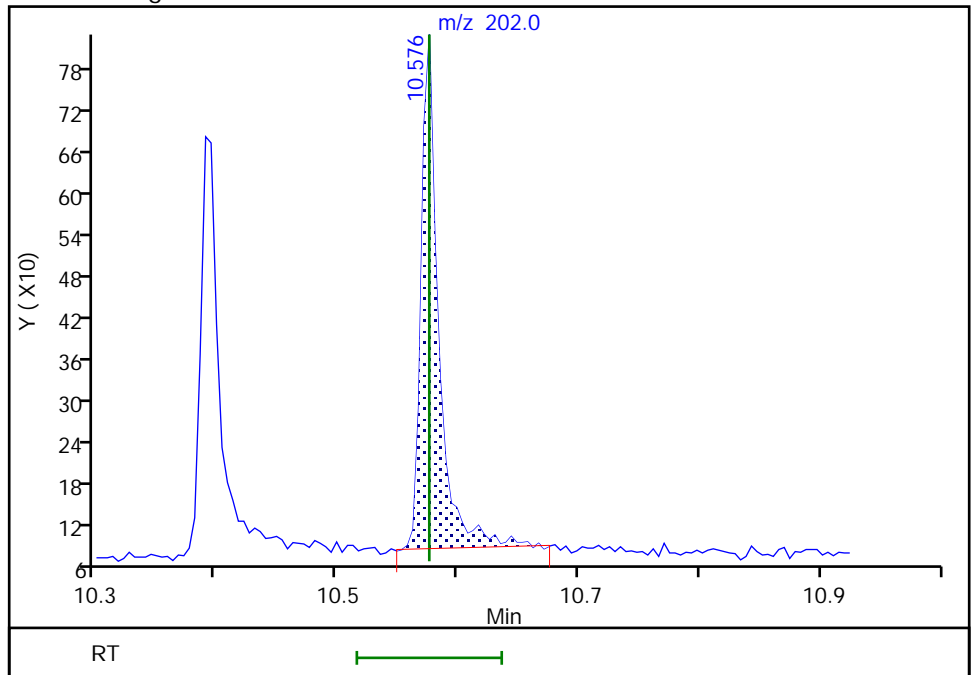
Not Detected
Expected RT: 10.58

Processing Integration Results



RT: 10.58
Area: 740
Amount: 1.708161
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 25-Mar-2022 13:08:59
Audit Action: Manually Integrated

Audit Reason: Baseline

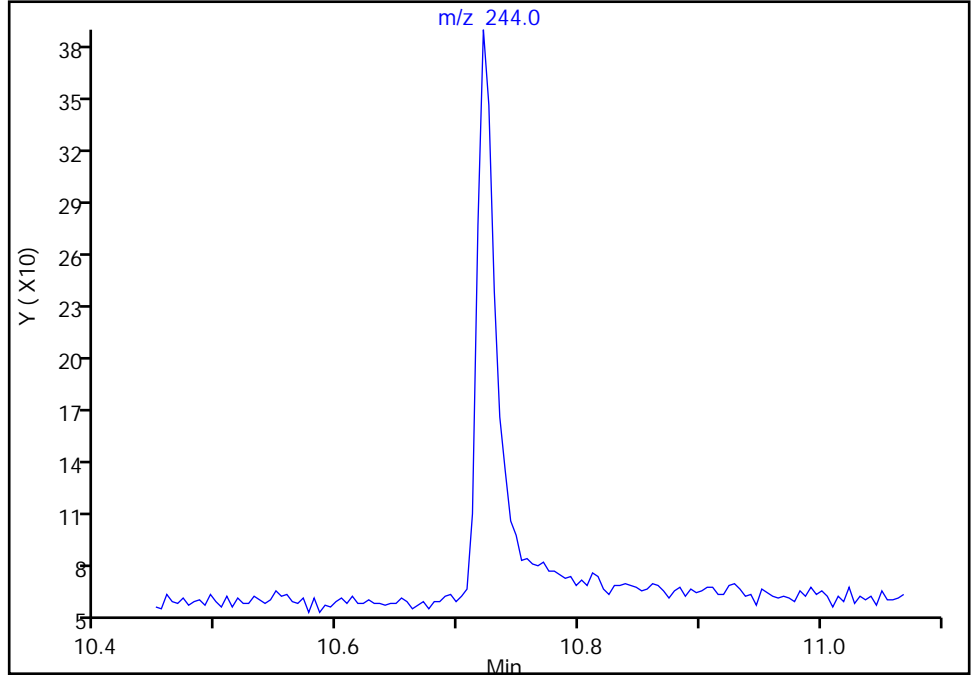
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 11 Terphenyl-d14, CAS: 1718-51-0
Signal: 1

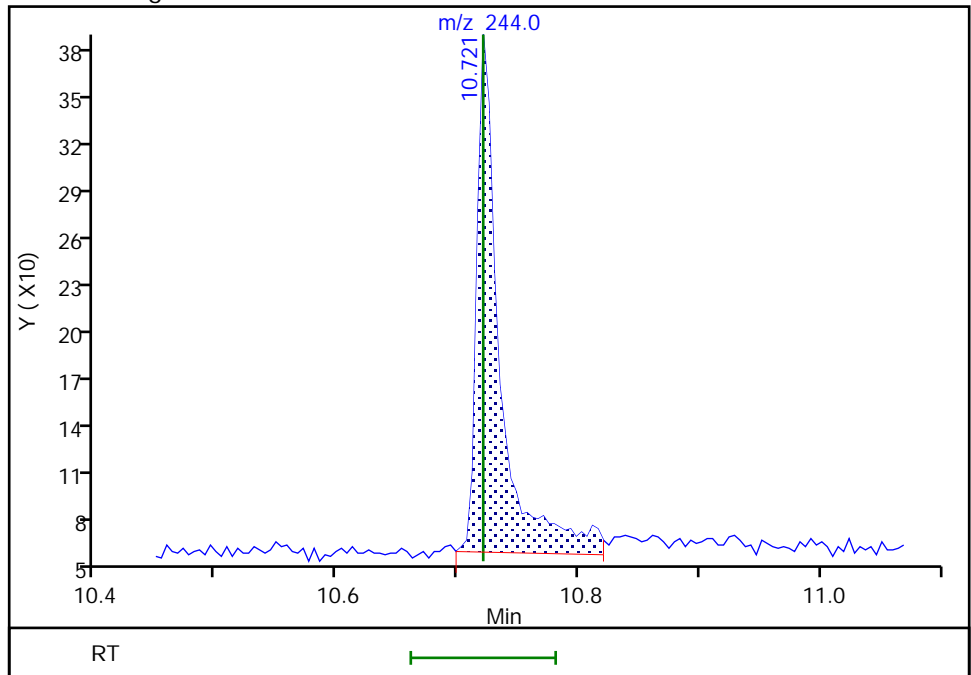
Not Detected
Expected RT: 10.72

Processing Integration Results



Manual Integration Results

RT: 10.72
Area: 426
Amount: 1.712856
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:08:13
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

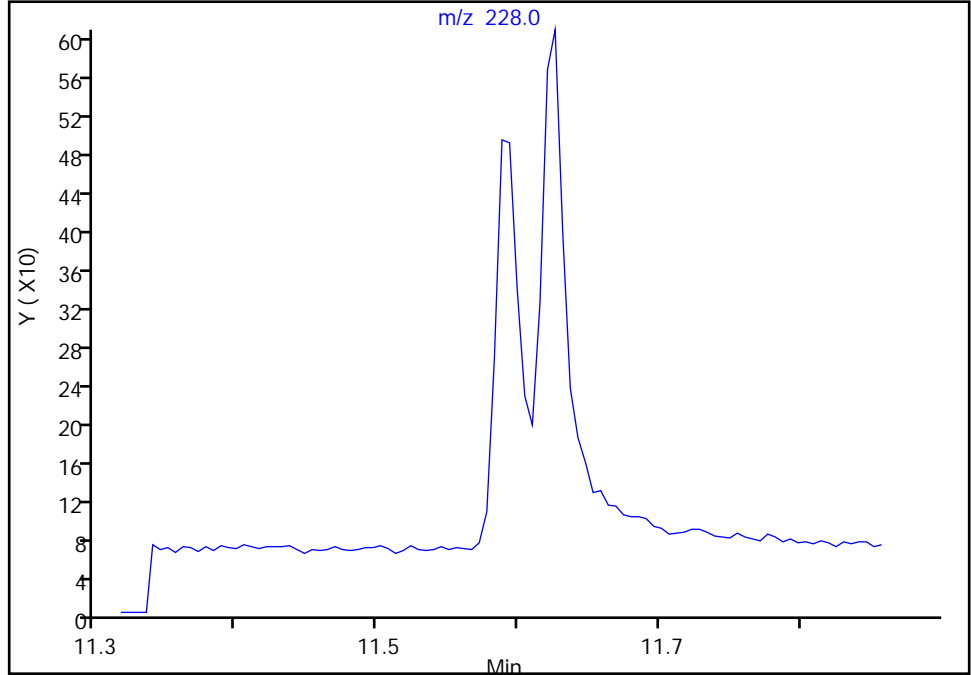
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

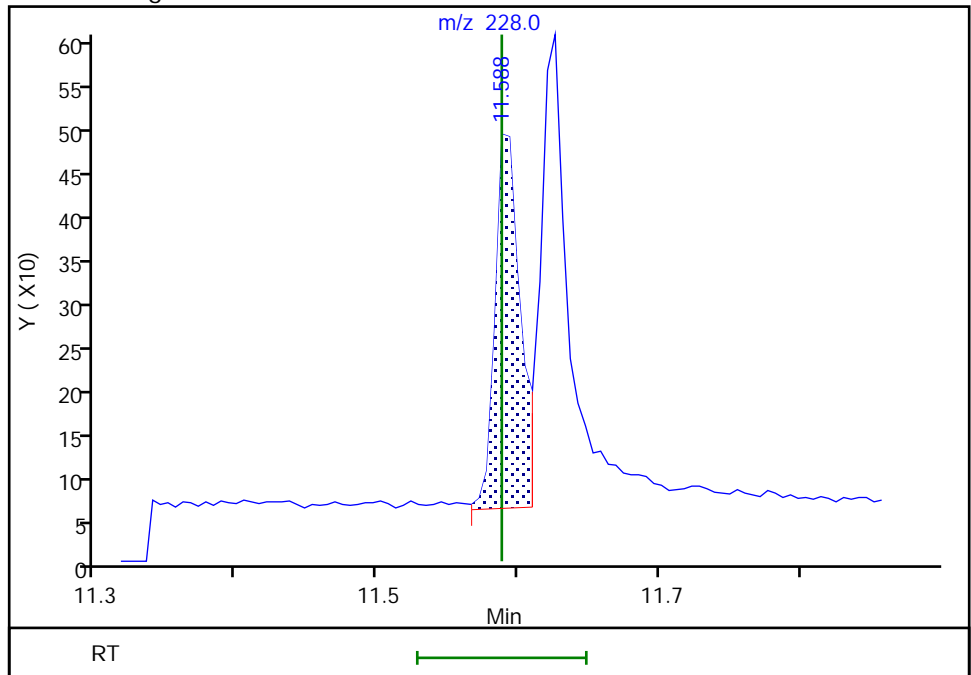
Not Detected
Expected RT: 11.59

Processing Integration Results



Manual Integration Results

RT: 11.59
Area: 523
Amount: 1.818866
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:09:02
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

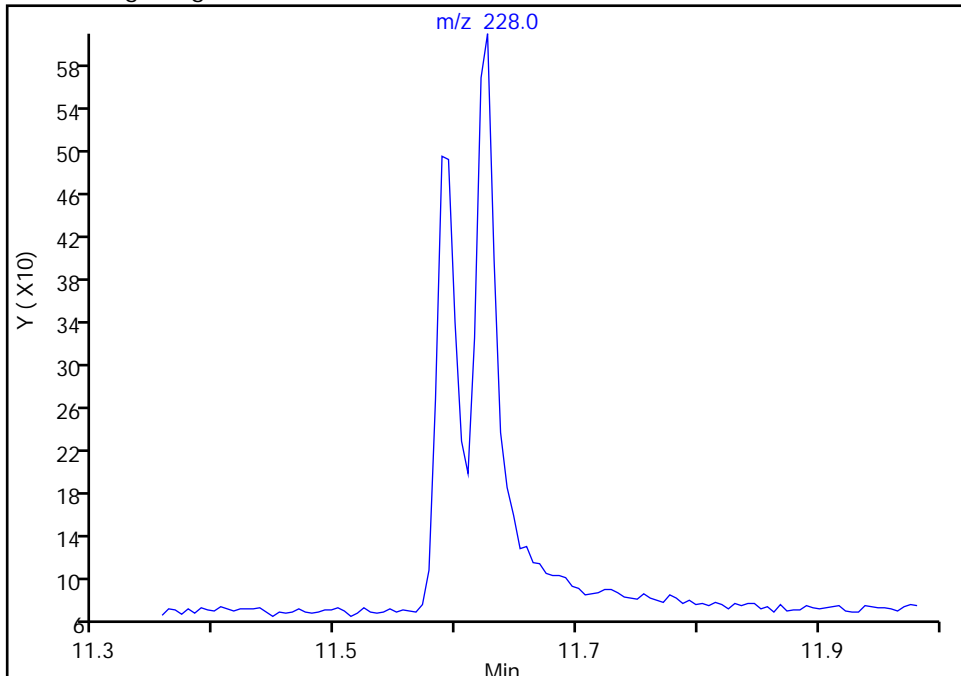
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Chrysene, CAS: 218-01-9

Signal: 1

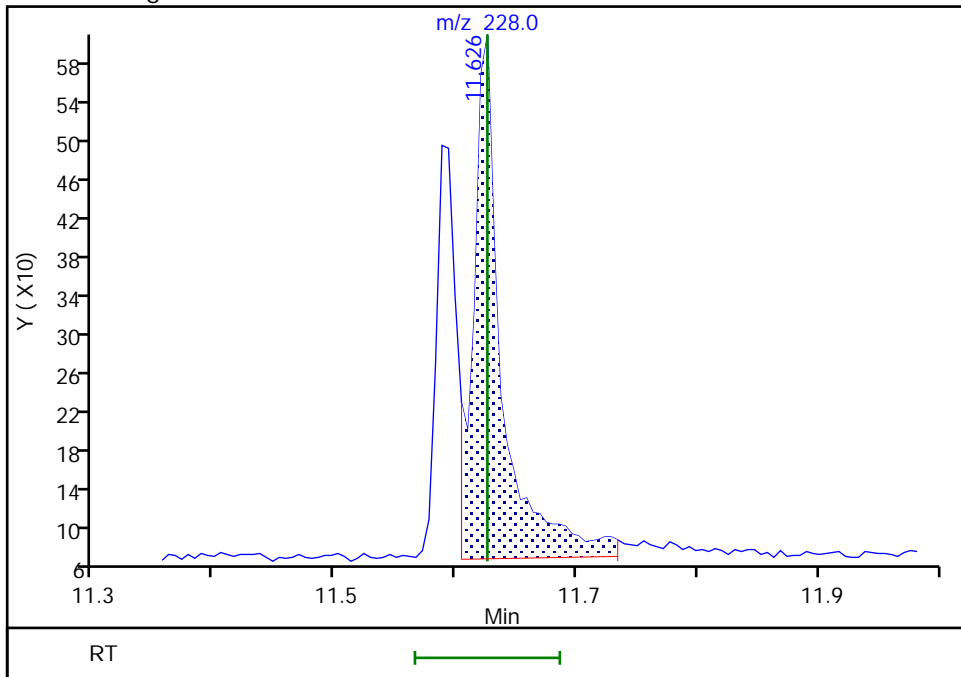
Not Detected
Expected RT: 11.63

Processing Integration Results



Manual Integration Results

RT: 11.63
Area: 875
Amount: 2.161034
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:09:10
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

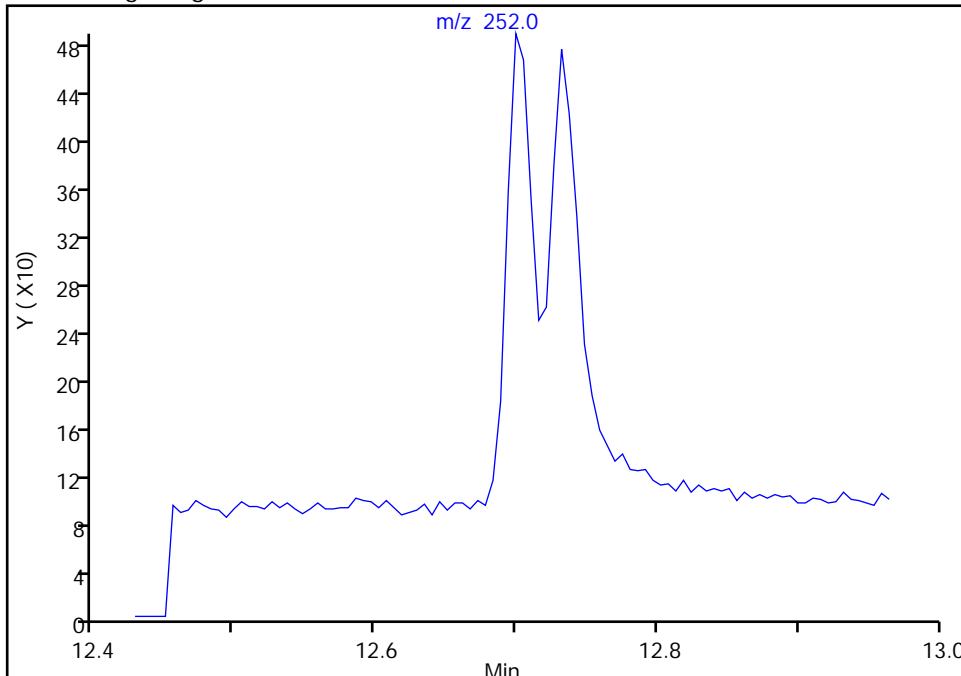
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

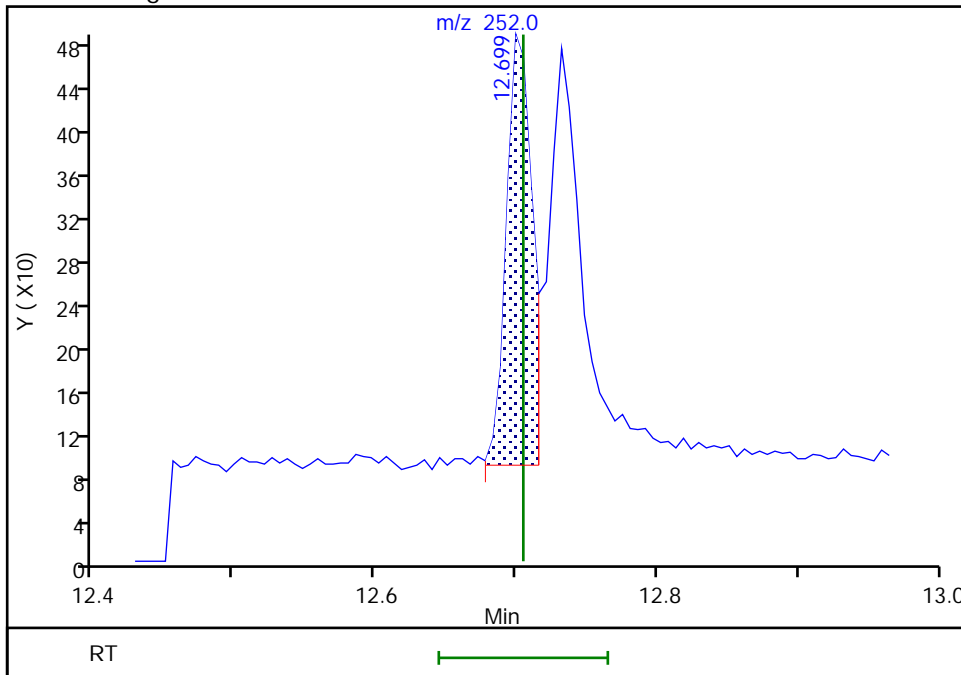
Not Detected
Expected RT: 12.70

Processing Integration Results



Manual Integration Results

RT: 12.70
Area: 486
Amount: 1.712426
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:09:18
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

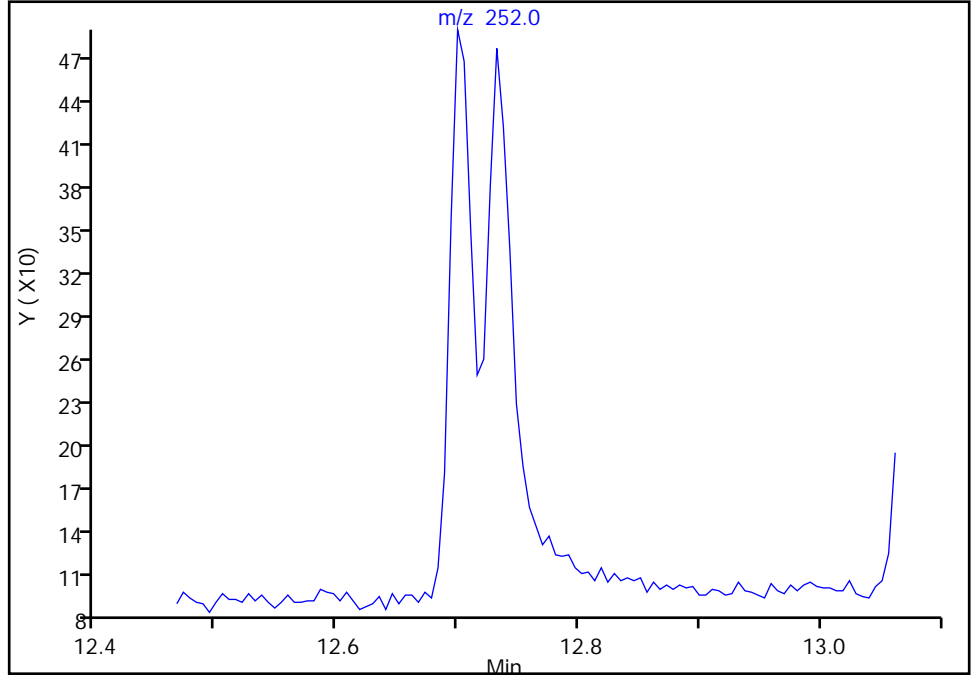
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

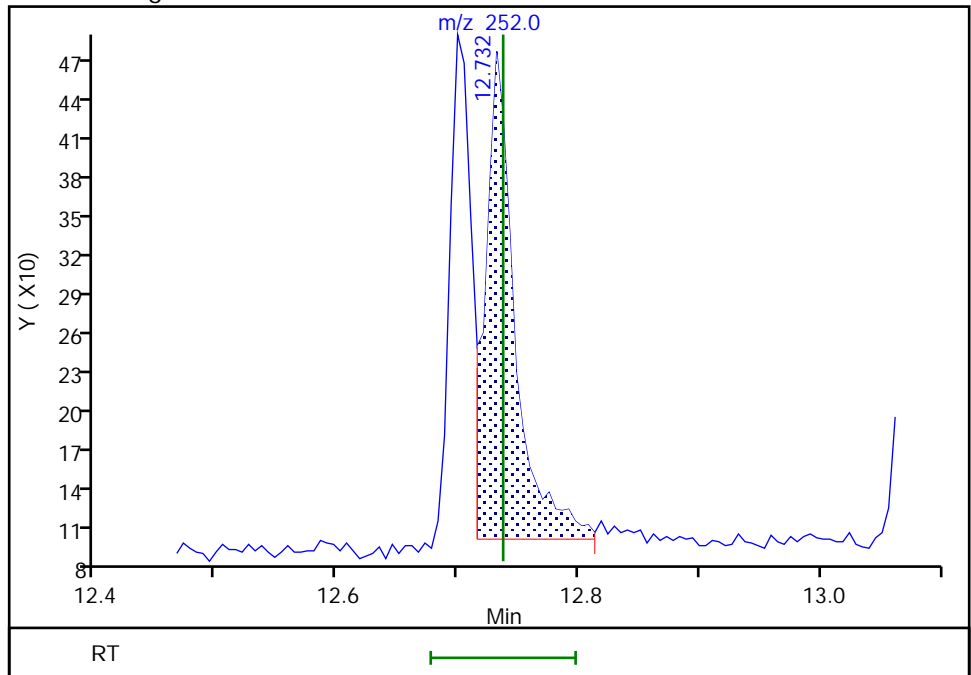
Not Detected
Expected RT: 12.74

Processing Integration Results



Manual Integration Results

RT: 12.73
Area: 625
Amount: 1.972689
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:09:24
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

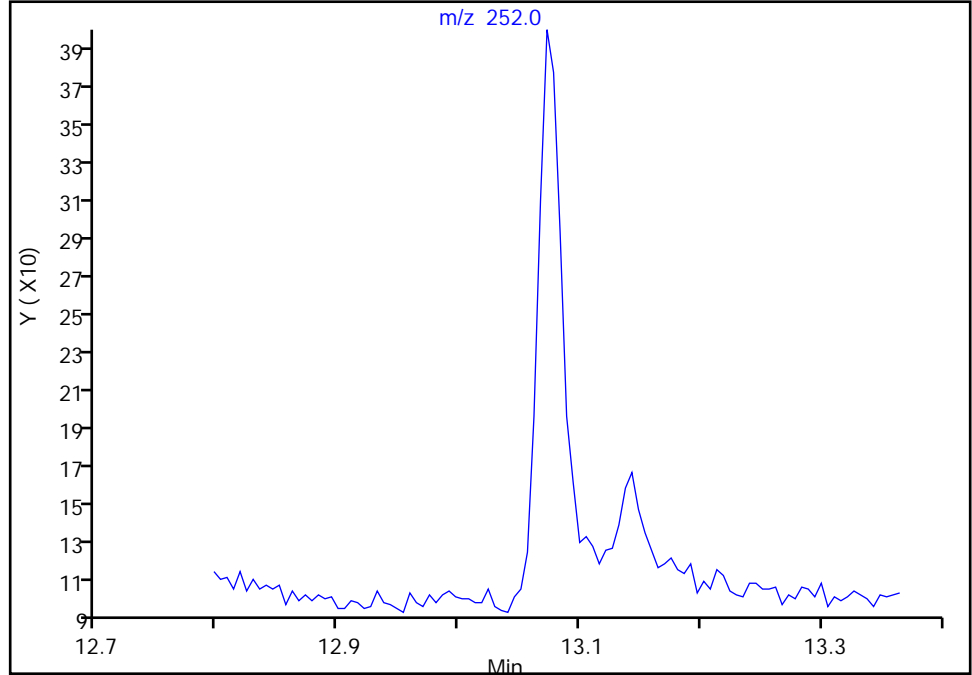
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

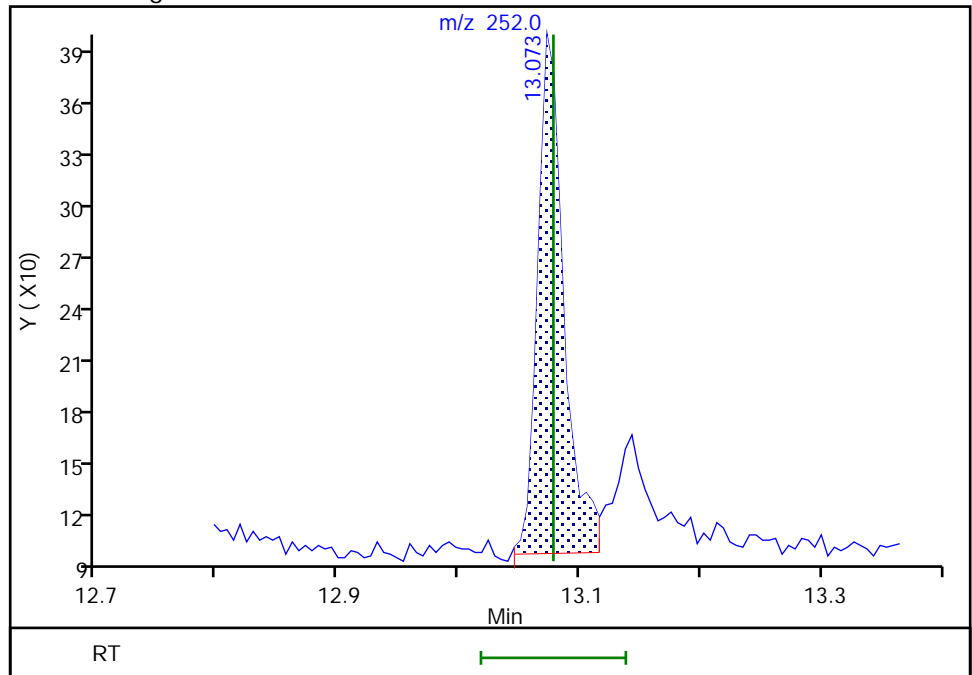
Not Detected
Expected RT: 13.08

Processing Integration Results



Manual Integration Results

RT: 13.07
Area: 442
Amount: 1.713659
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:09:29
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

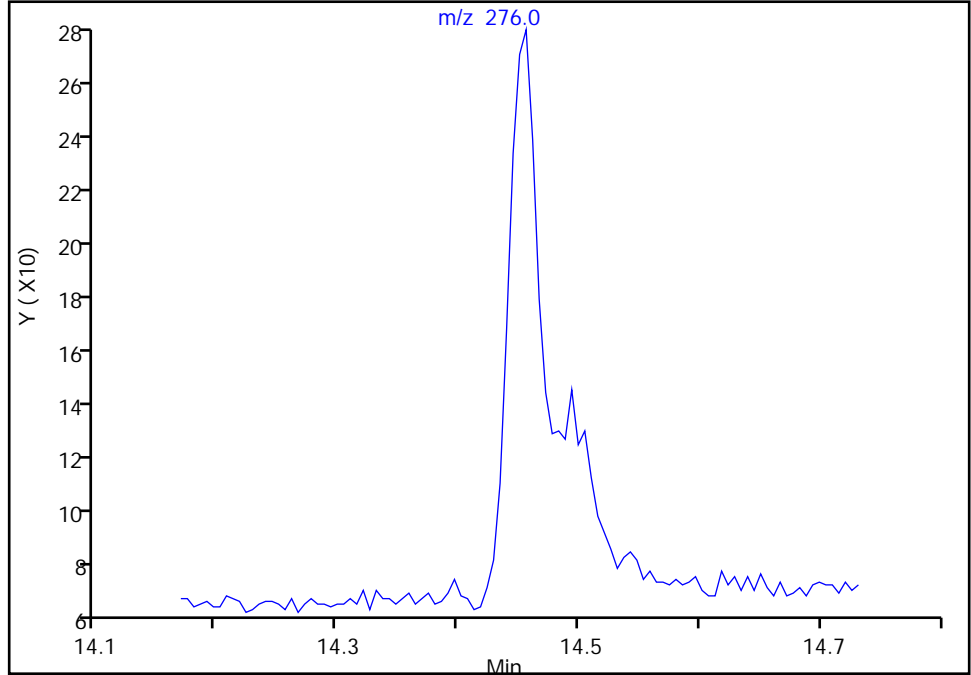
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

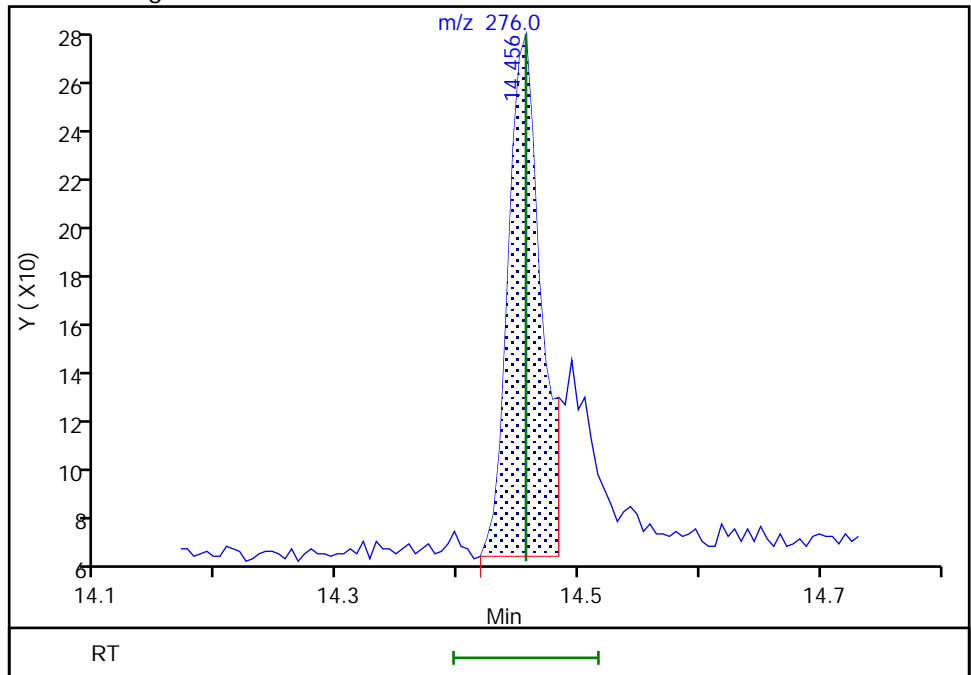
Not Detected
Expected RT: 14.46

Processing Integration Results



Manual Integration Results

RT: 14.46
Area: 388
Amount: 1.653425
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:09:35
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

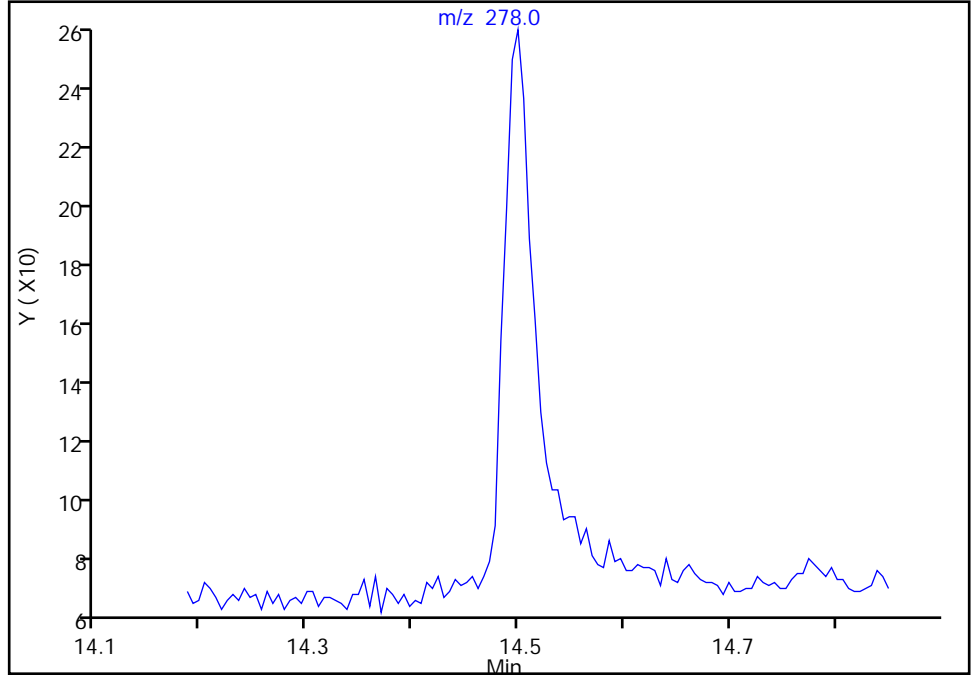
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

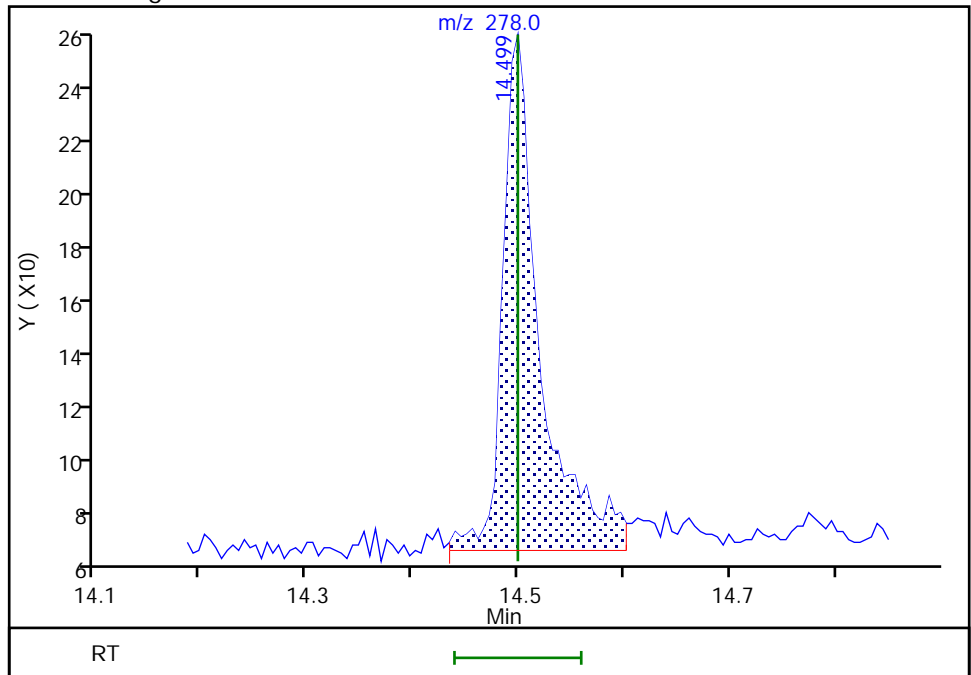
Not Detected
Expected RT: 14.50

Processing Integration Results



Manual Integration Results

RT: 14.50
Area: 469
Amount: 3.880176
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:09:39
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

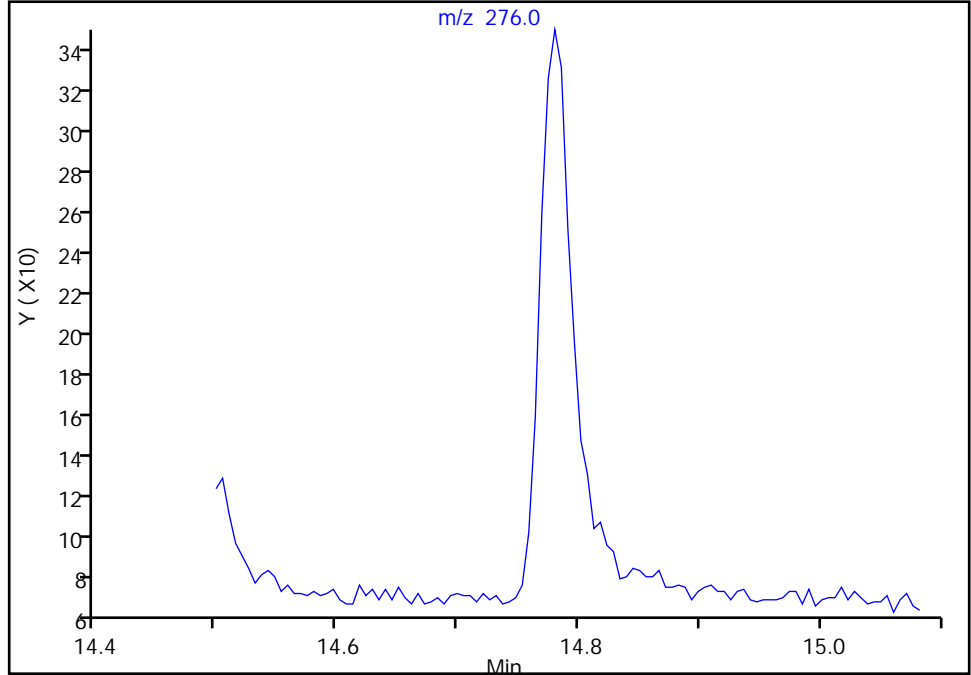
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a033.D
Injection Date: 25-Mar-2022 02:08:30 Instrument ID: SEA101
Lims ID: std2
Client ID:
Operator ID: tl ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

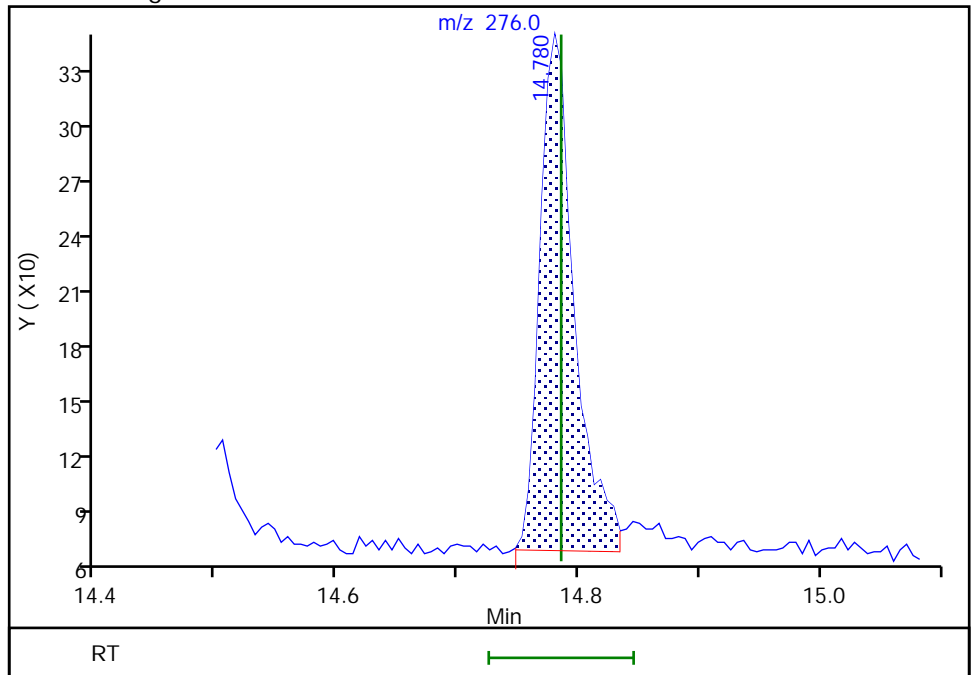
Not Detected
Expected RT: 14.79

Processing Integration Results



RT: 14.78
Area: 535
Amount: 1.633143
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 25-Mar-2022 13:09:43
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Lims ID: std1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 25-Mar-2022 02:32:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 1
 Operator ID: tl Instrument ID: SEA101
 Sublist: chrom-8270_SIM_SEA101*sub12

Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 25-Mar-2022 13:30:31 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1605

First Level Reviewer: limmere Date: 25-Mar-2022 13:10:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	49513	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	61165	100.0	100.0	
* 3 Acenaphthene-d10	164	8.188	8.188	0.000	1	24233	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	33382	100.0	100.0	
* 5 Chrysene-d12	240	11.599	11.604	-0.005	1	23387	100.0	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	22029	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.305	-0.005	94	335	1.00	1.00	a
\$ 8 2-Fluorobiphenyl	172	7.643	7.642	0.001	1	423	1.00	1.14	Ma
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	268	1.00	0.8376	M
\$ 11 Terphenyl-d14	244	10.721	10.721	0.000	1	190	1.00	0.8305	M
12 Naphthalene	128	6.744	6.749	-0.005	1	676	1.00	1.06	a
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	354	1.00	0.9307	a
14 1-Methylnaphthalene	142	7.408	7.413	-0.005	1	362	1.00	0.9689	a
15 Acenaphthylene	152	8.070	8.069	0.001	1	396	1.00	0.9315	a
16 Acenaphthene	153	8.208	8.213	-0.005	3	304	1.00	0.9844	a
17 Fluorene	166	8.637	8.637	0.000	1	224	1.00	0.7257	Ma
19 Phenanthrene	178	9.419	9.418	0.001	1	426	1.00	1.09	Ma
20 Anthracene	178	9.463	9.462	0.001	1	303	1.00	1.35	M
21 Fluoranthene	202	10.391	10.391	0.000	1	303	1.00	0.7996	M
22 Pyrene	202	10.576	10.576	0.000	22	393	1.00	0.9862	M
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	278	1.00	1.08	M
24 Chrysene	228	11.621	11.626	-0.005	1	385	1.00	0.9751	M
25 Benzo[b]fluoranthene	252	12.700	12.705	-0.005	1	272	1.00	1.04	M
26 Benzo[k]fluoranthene	252	12.732	12.737	-0.005	1	268	1.00	1.03	M
27 Benzo[a]pyrene	252	13.073	13.078	-0.005	1	200	1.00	0.8411	M
28 Indeno[1,2,3-cd]pyrene	276	14.451	14.456	-0.005	1	200	1.00	0.9244	M
29 Dibenz(a,h)anthracene	278	14.494	14.499	-0.005	1	206	1.00	3.00	M
30 Benzo[g,h,i]perylene	276	14.780	14.785	-0.005	6	287	1.00	0.9503	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

8270SIM_IS_00069

Amount Added: 9.80

Units: uL

8270ccvl_50_00037

Amount Added: 20.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Injection Date: 25-Mar-2022 02:32:30

Instrument ID: SEA101

Lims ID: std1

Client ID:

Operator ID: tl

ALS Bottle#: 16

Worklist Smp#: 16

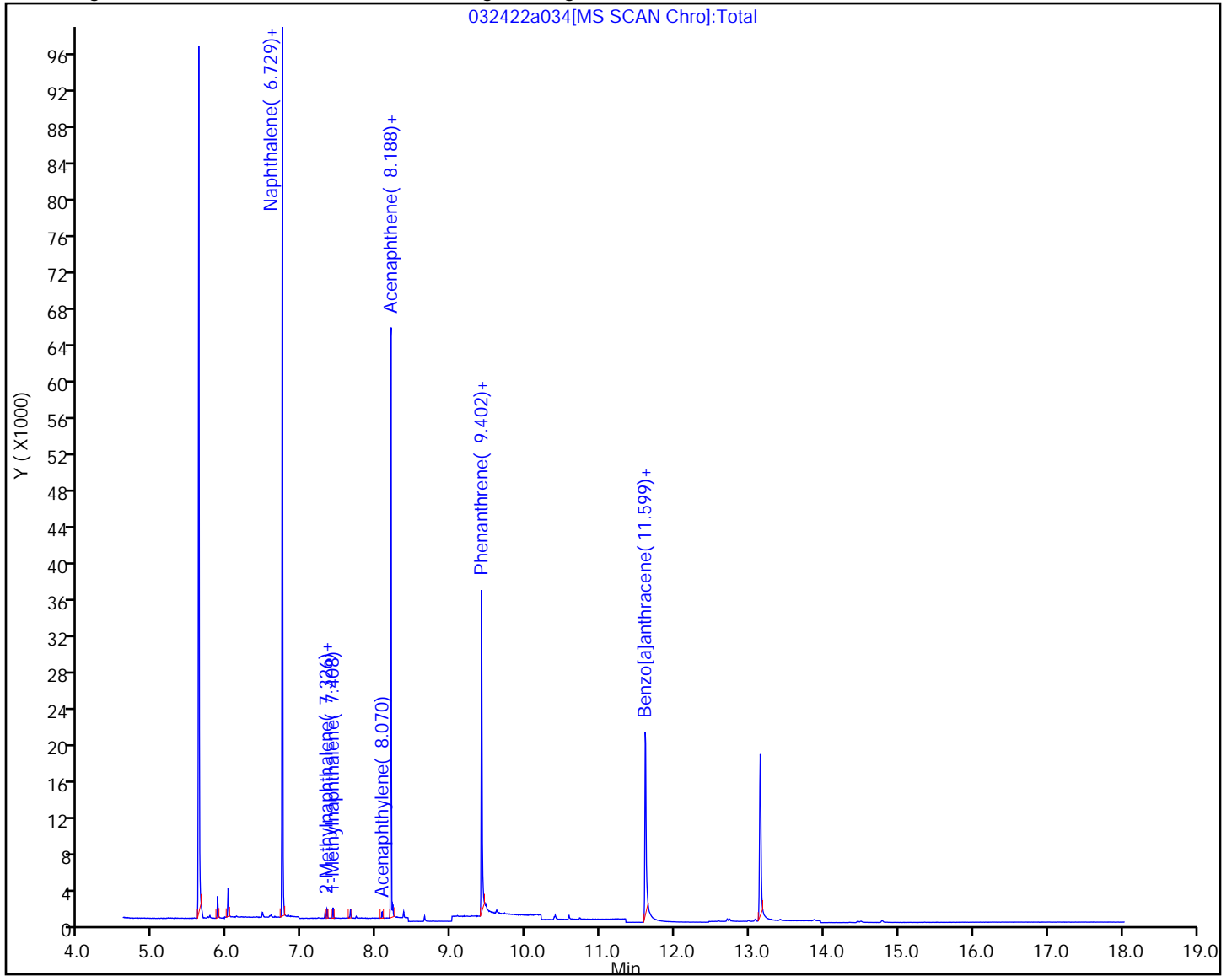
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

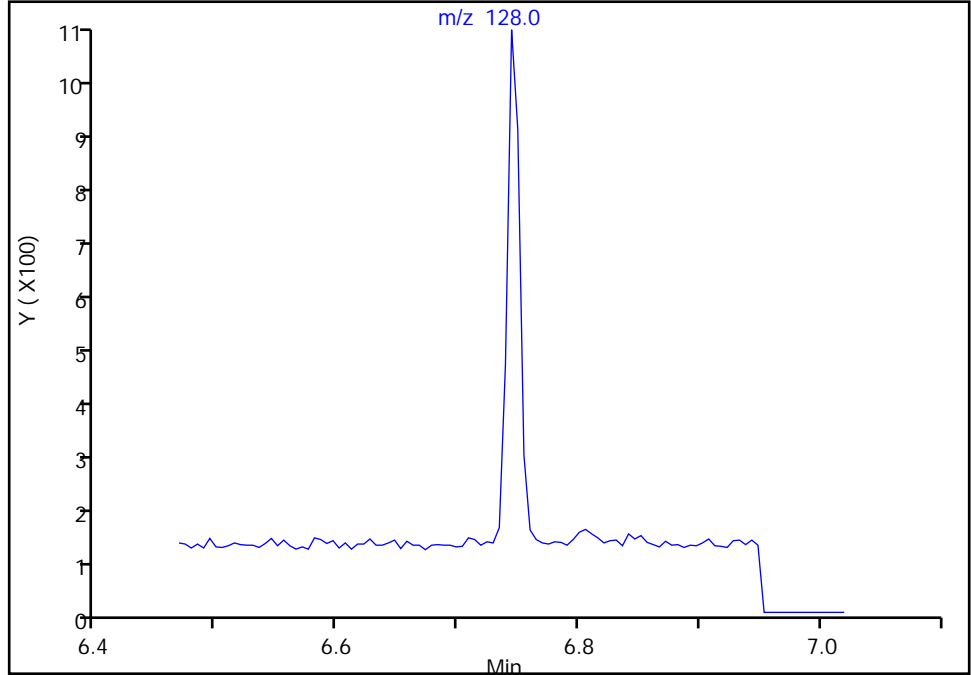
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

12 Naphthalene, CAS: 91-20-3

Signal: 1

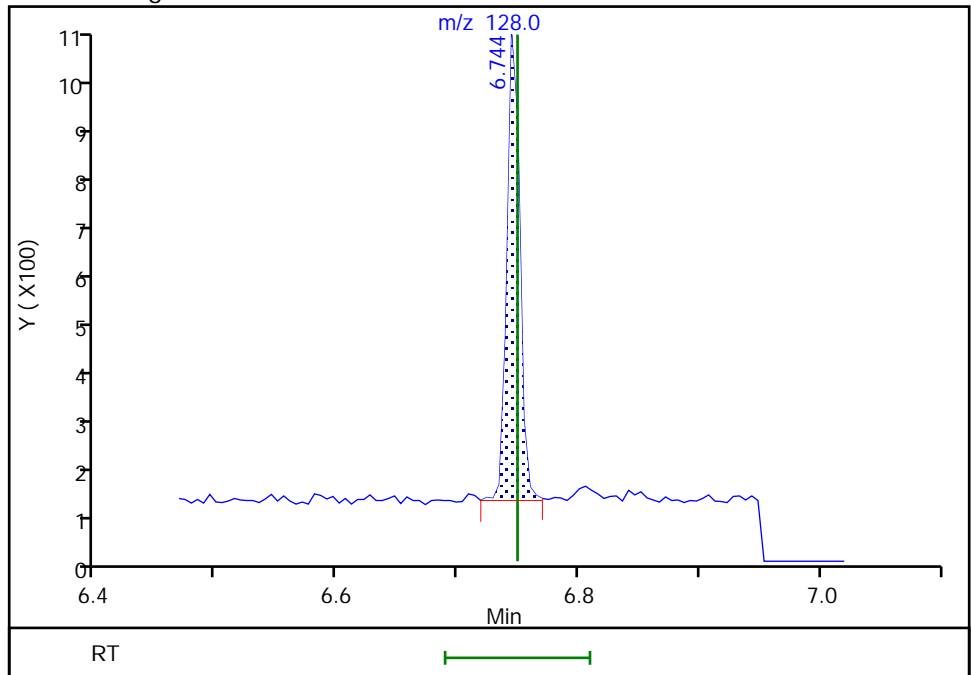
Not Detected
Expected RT: 6.75

Processing Integration Results



Manual Integration Results

RT: 6.74
Area: 676
Amount: 1.063893
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:17:19
Audit Action: Assigned Compound ID

Audit Reason: Baseline

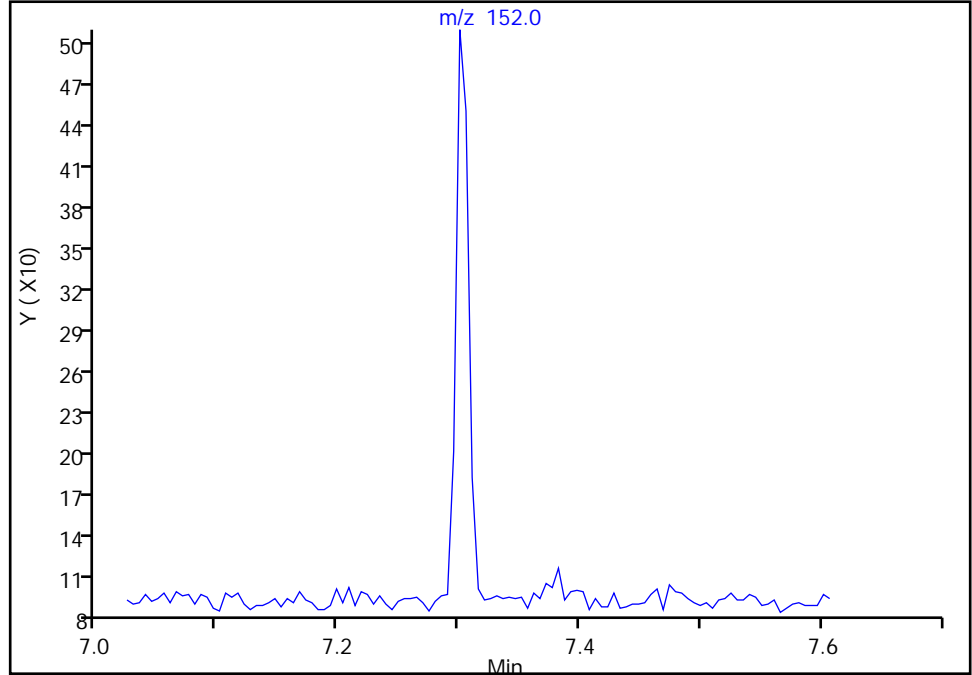
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 7 2-methylnaphthalene-d10, CAS: 7297-45-2
Signal: 1

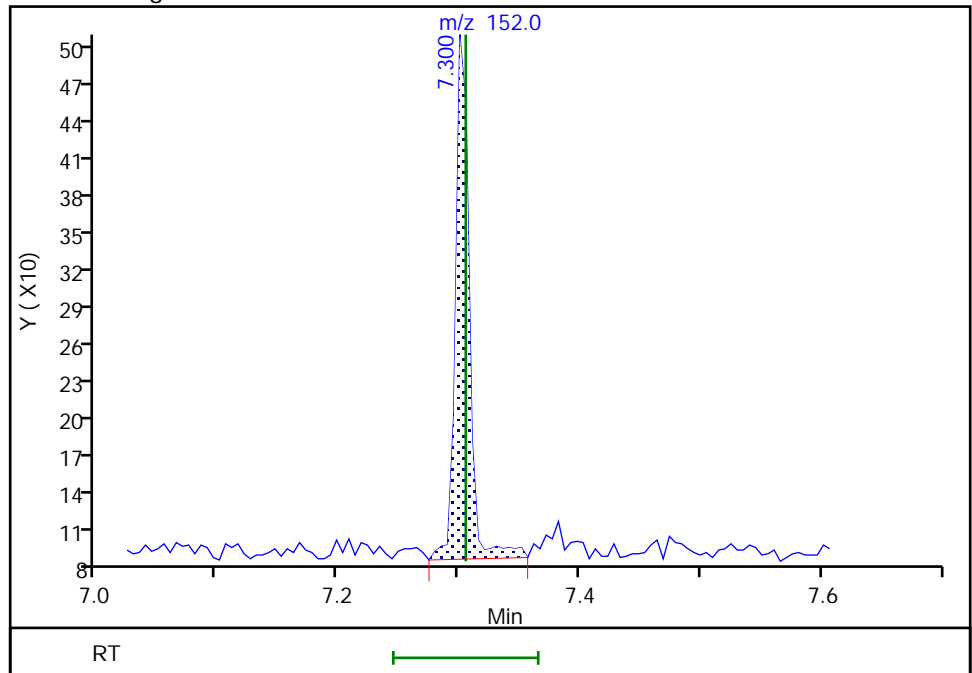
Not Detected
Expected RT: 7.31

Processing Integration Results



Manual Integration Results

RT: 7.30
Area: 335
Amount: 0.999590
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:16:51
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle

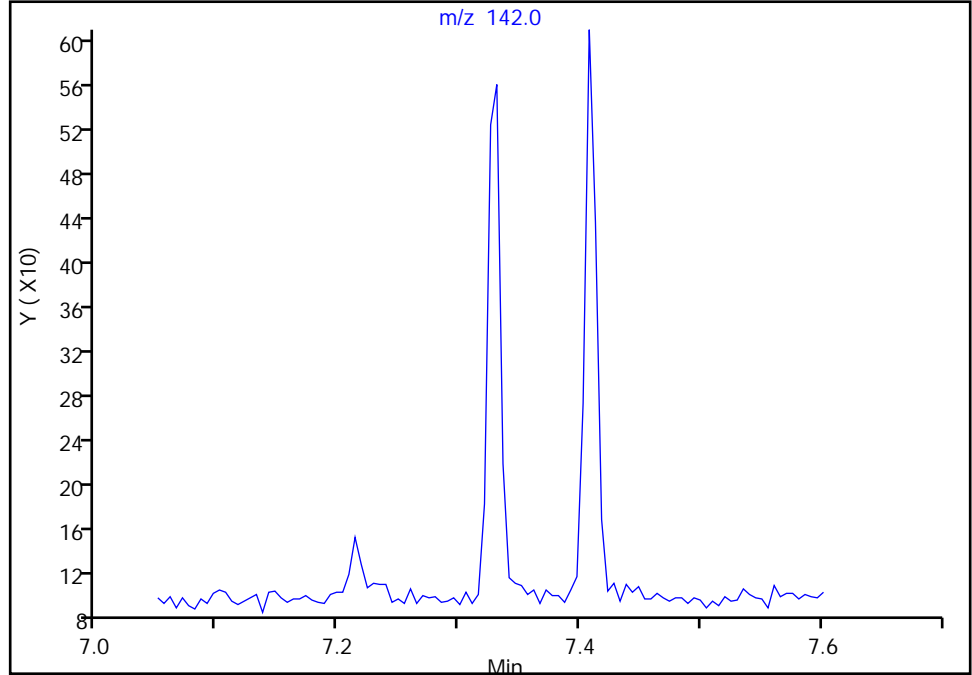
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

13 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

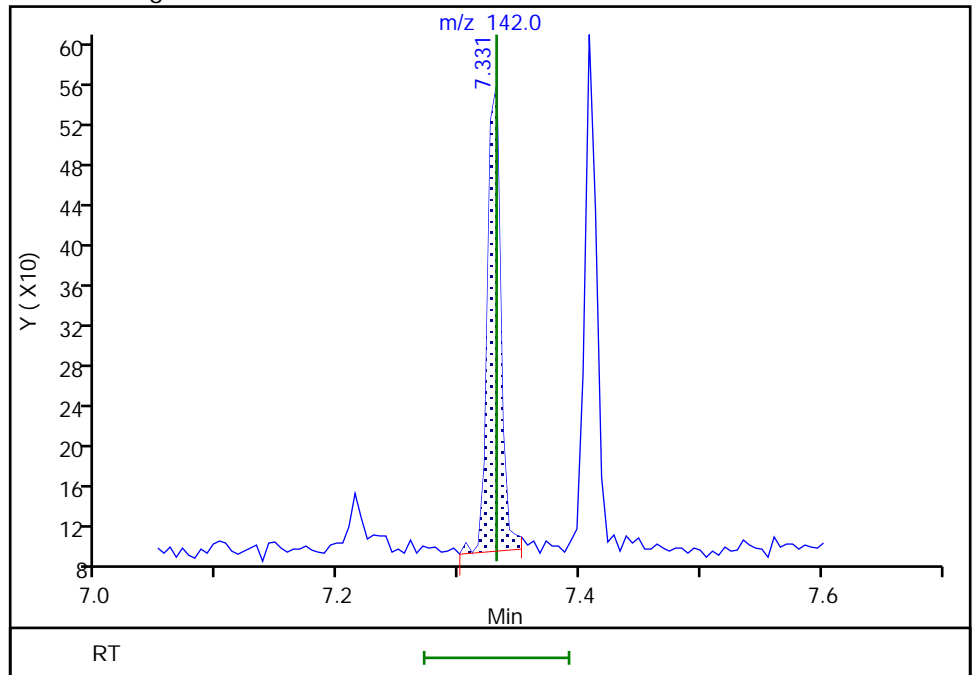
Not Detected
Expected RT: 7.33

Processing Integration Results



RT: 7.33
Area: 354
Amount: 0.930737
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 25-Mar-2022 13:17:23
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle

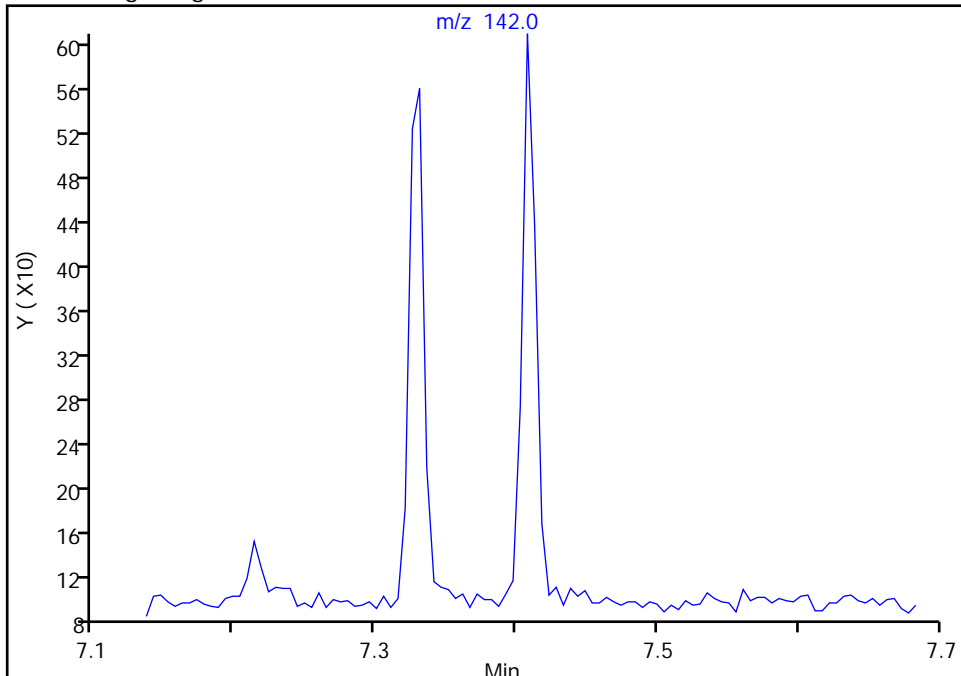
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

14 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

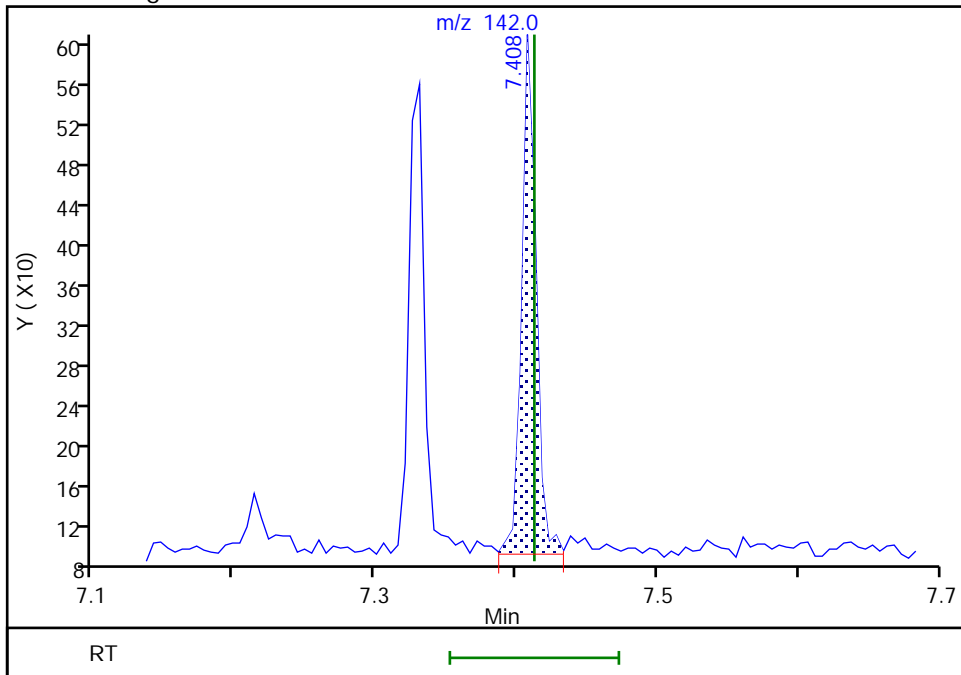
Not Detected
Expected RT: 7.41

Processing Integration Results



Manual Integration Results

RT: 7.41
Area: 362
Amount: 0.968934
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:17:27
Audit Action: Assigned Compound ID

Audit Reason: Baseline

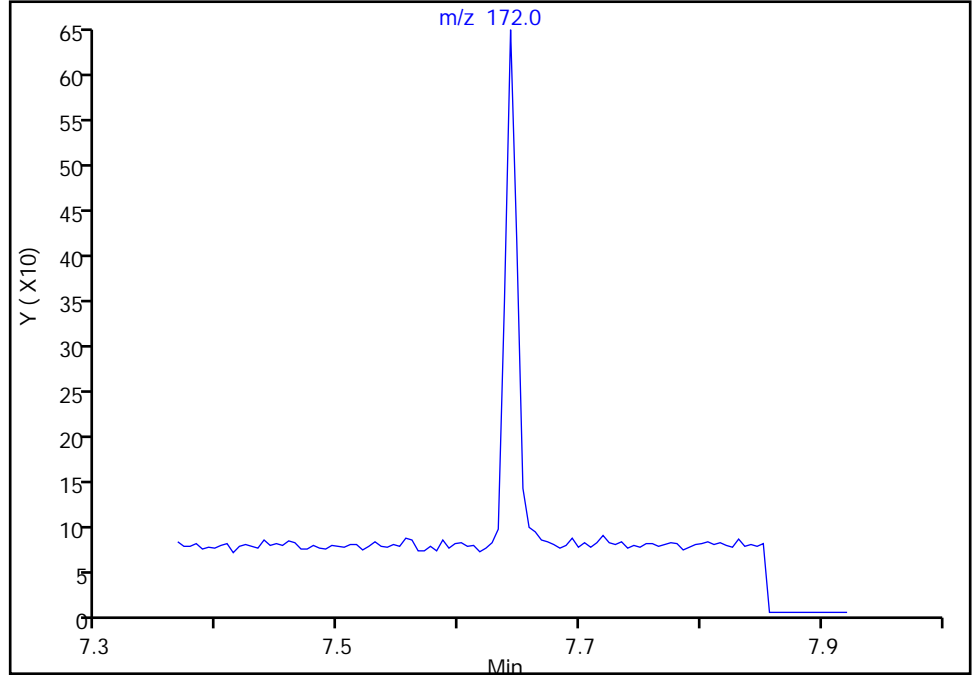
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 8 2-Fluorobiphenyl, CAS: 321-60-8
Signal: 1

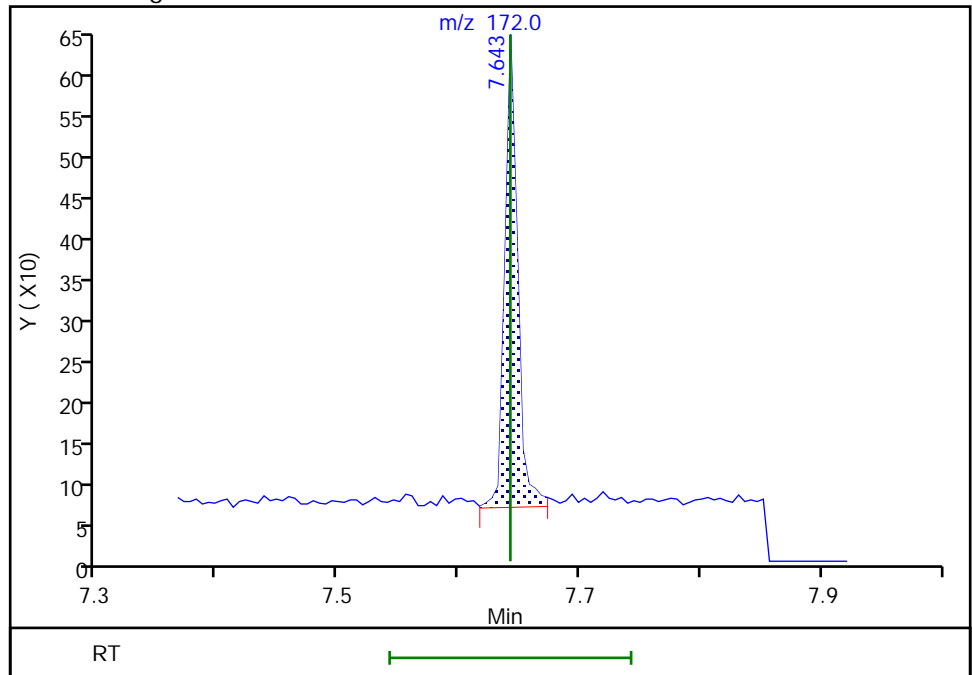
Not Detected
Expected RT: 7.64

Processing Integration Results



Manual Integration Results

RT: 7.64
Area: 423
Amount: 1.135343
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:17:06
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

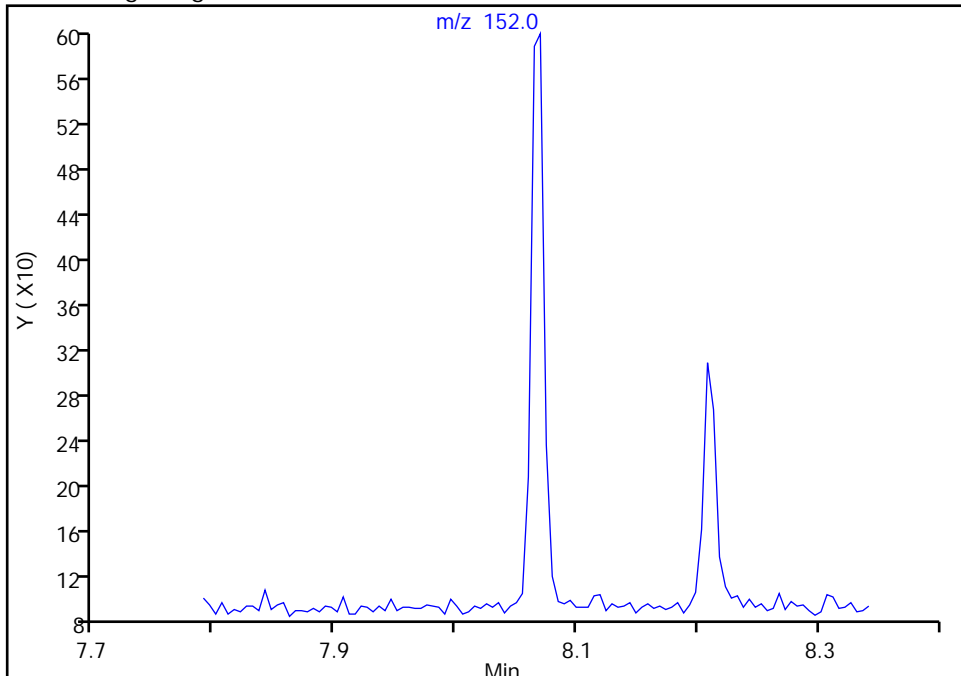
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

15 Acenaphthylene, CAS: 208-96-8

Signal: 1

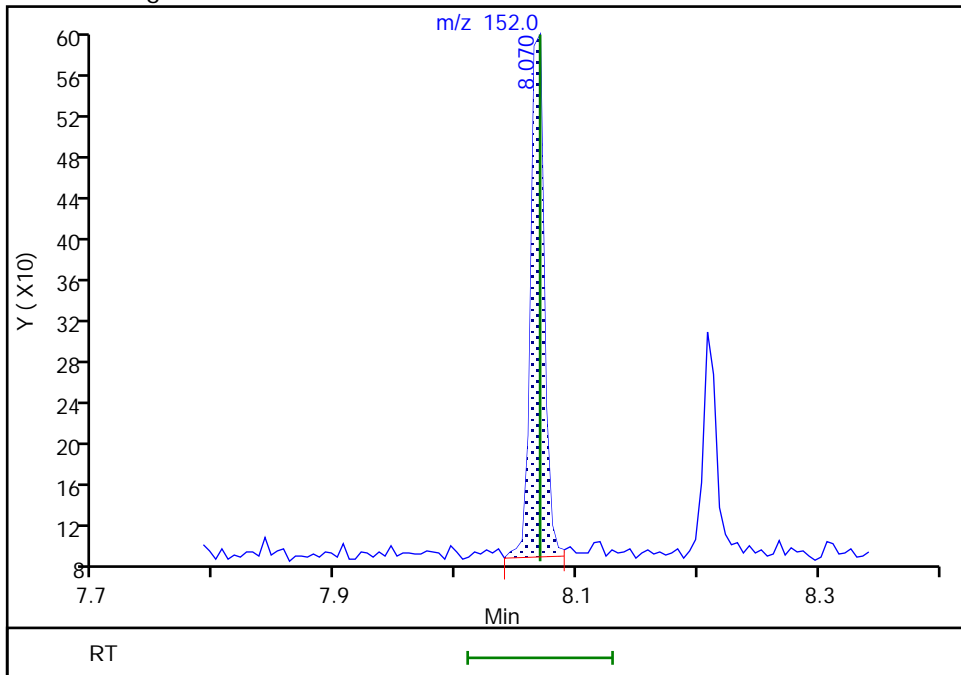
Not Detected
Expected RT: 8.07

Processing Integration Results



Manual Integration Results

RT: 8.07
Area: 396
Amount: 0.931476
Amount Units: ug/L



Eurofins Seattle

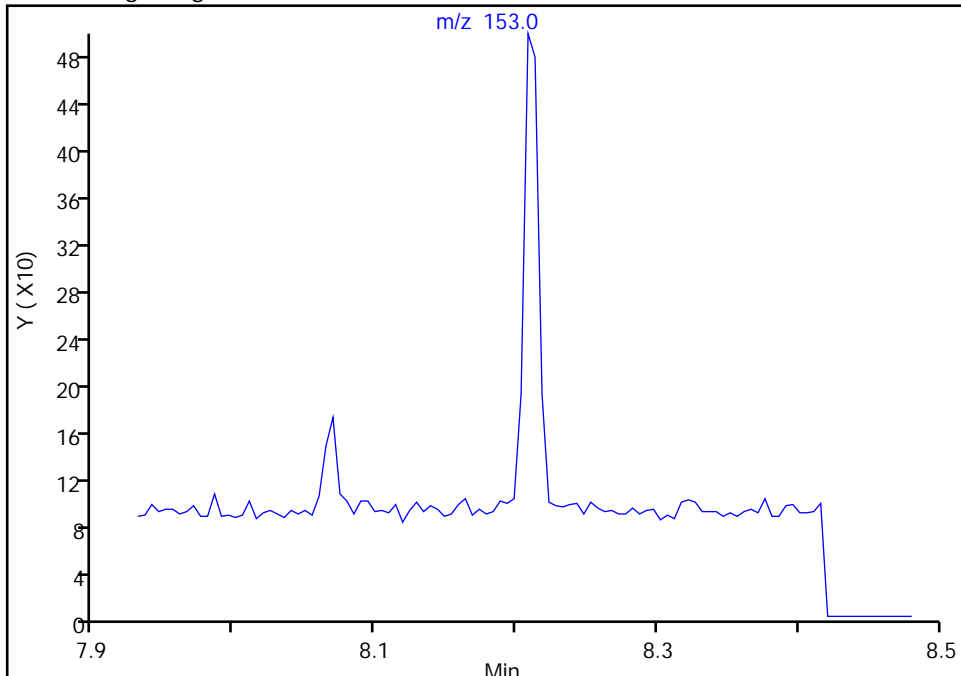
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Acenaphthene, CAS: 83-32-9

Signal: 1

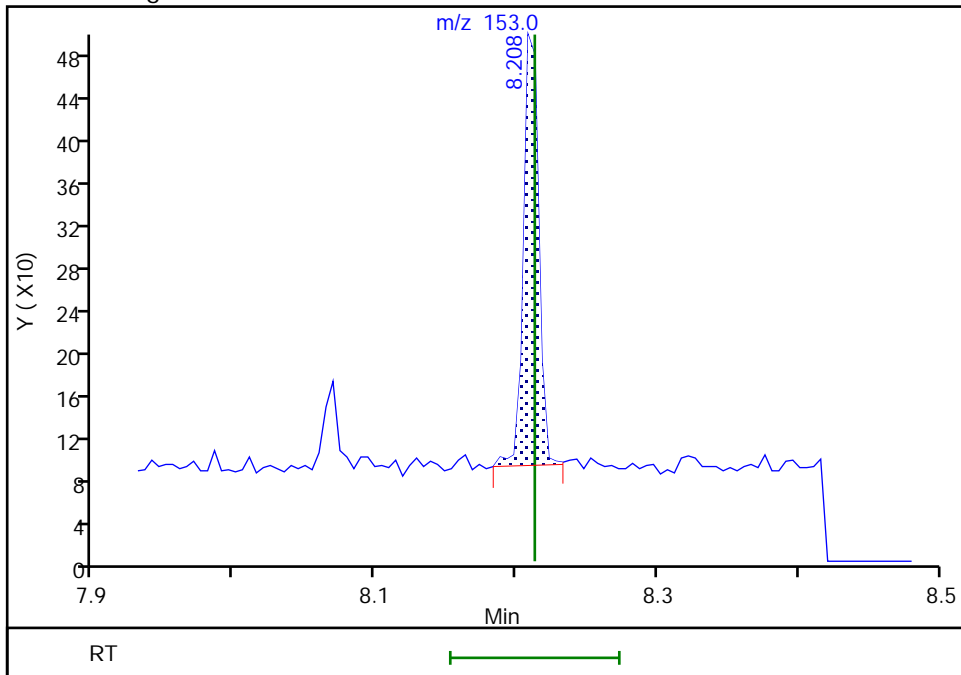
Not Detected
Expected RT: 8.21

Processing Integration Results



Manual Integration Results

RT: 8.21
Area: 304
Amount: 0.984403
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:17:32
Audit Action: Assigned Compound ID

Audit Reason: Baseline

Eurofins Seattle

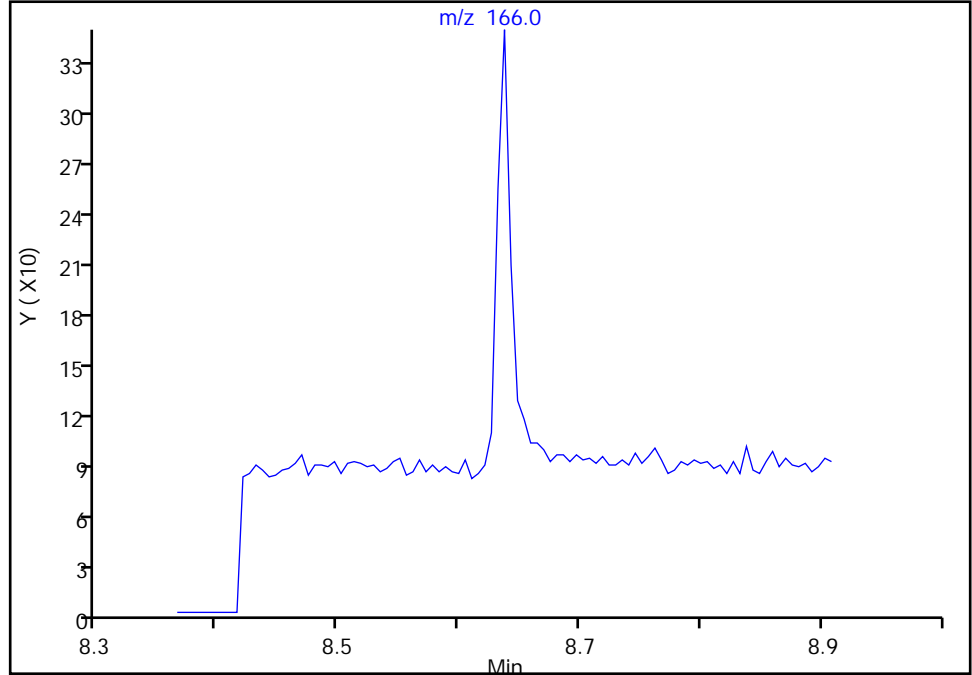
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

17 Fluorene, CAS: 86-73-7

Signal: 1

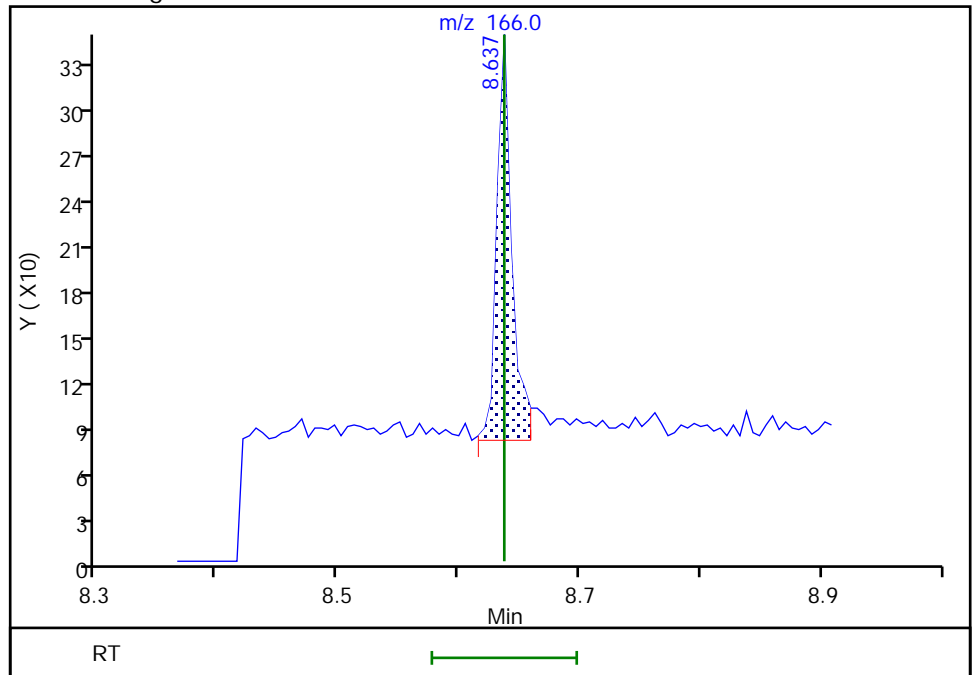
Not Detected
Expected RT: 8.64

Processing Integration Results



Manual Integration Results

RT: 8.64
Area: 224
Amount: 0.725665
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:17:40
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

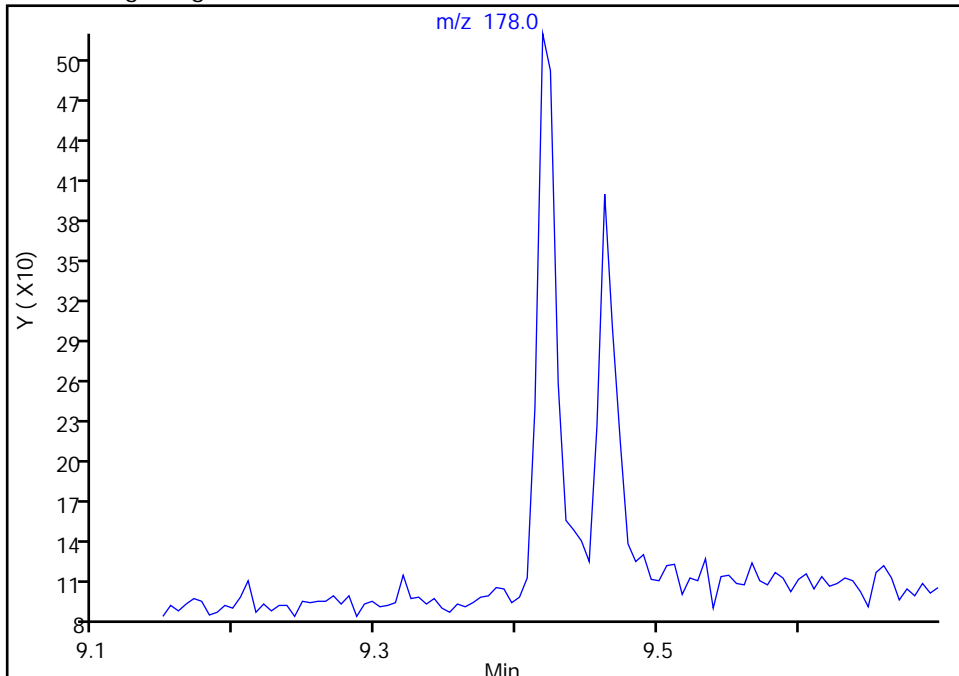
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Phenanthrene, CAS: 85-01-8

Signal: 1

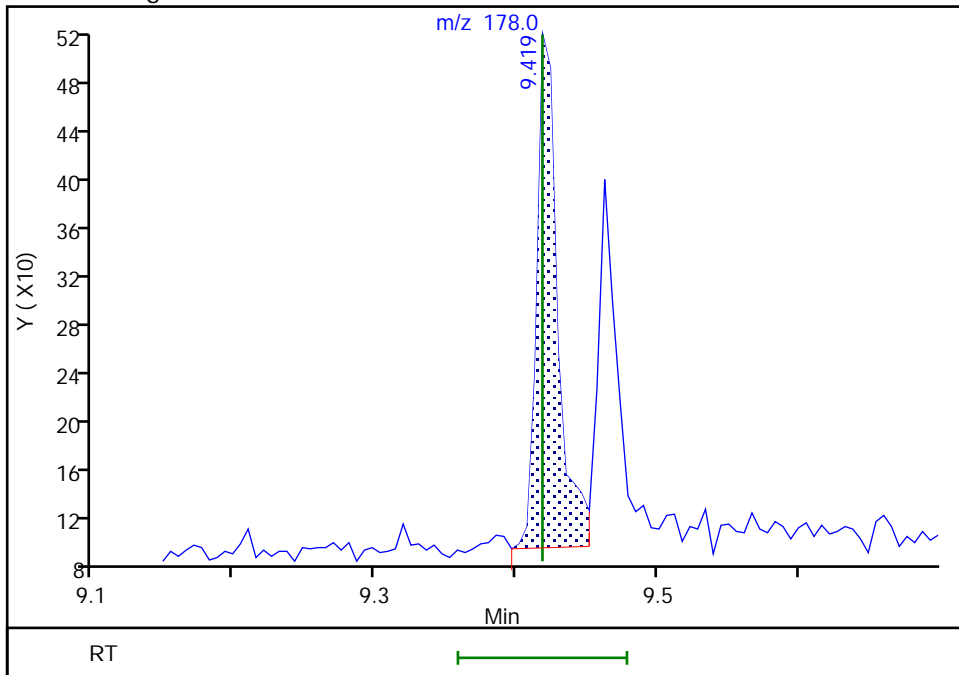
Not Detected
Expected RT: 9.42

Processing Integration Results



Manual Integration Results

RT: 9.42
Area: 426
Amount: 1.088982
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:17:50
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

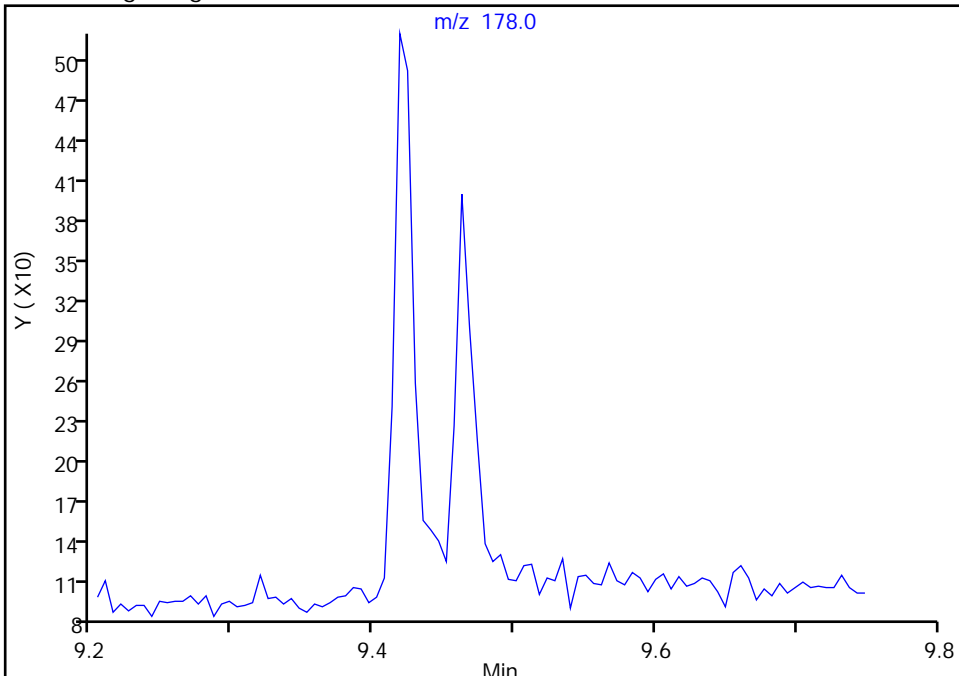
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Anthracene, CAS: 120-12-7

Signal: 1

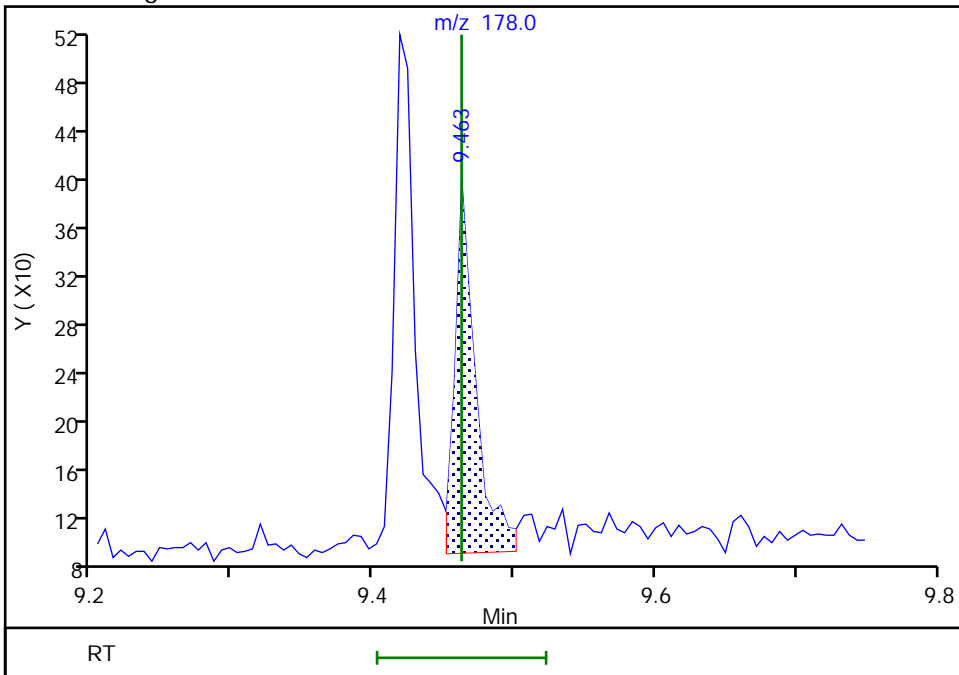
Not Detected
Expected RT: 9.46

Processing Integration Results



Manual Integration Results

RT: 9.46
Area: 303
Amount: 1.349724
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:17:59
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

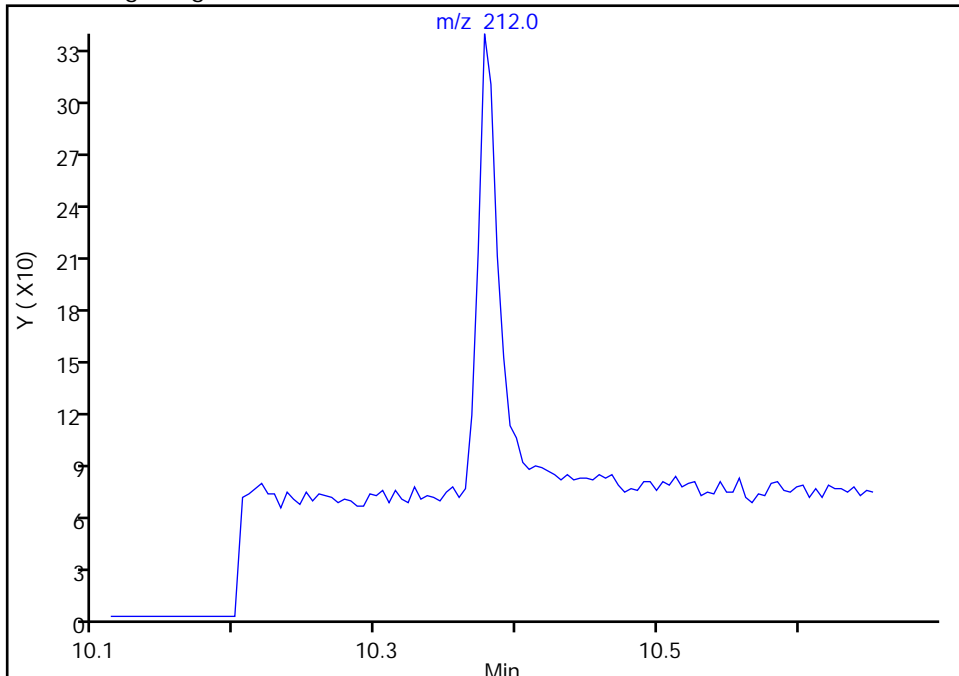
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 10 Fluoranthene-d10 (Surr), CAS: 93951-69-0

Signal: 1

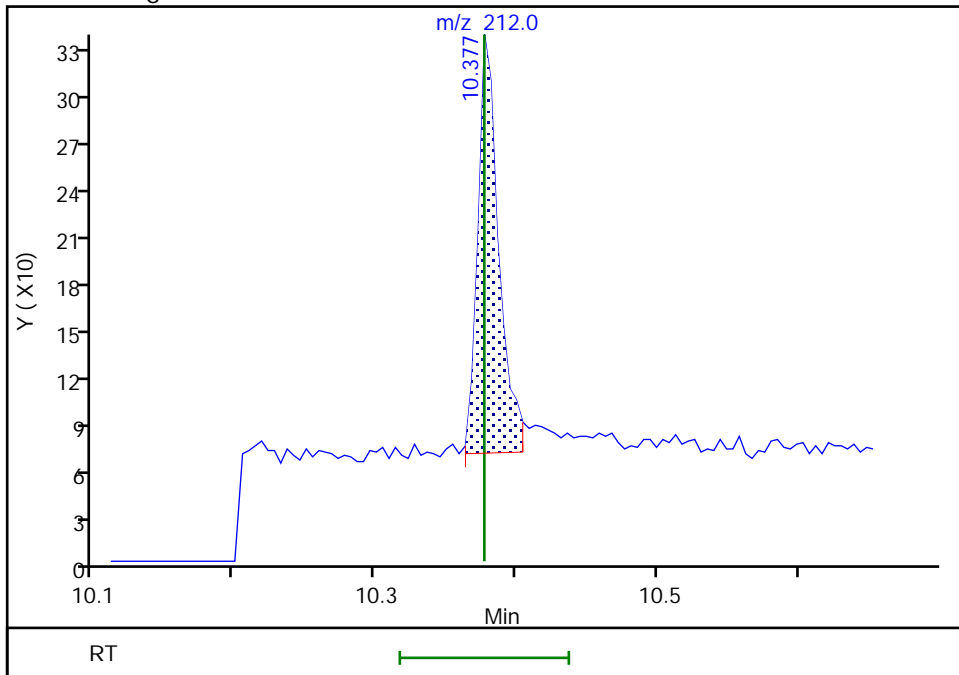
Not Detected
Expected RT: 10.38

Processing Integration Results



Manual Integration Results

RT: 10.38
Area: 268
Amount: 0.837616
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:17:12
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

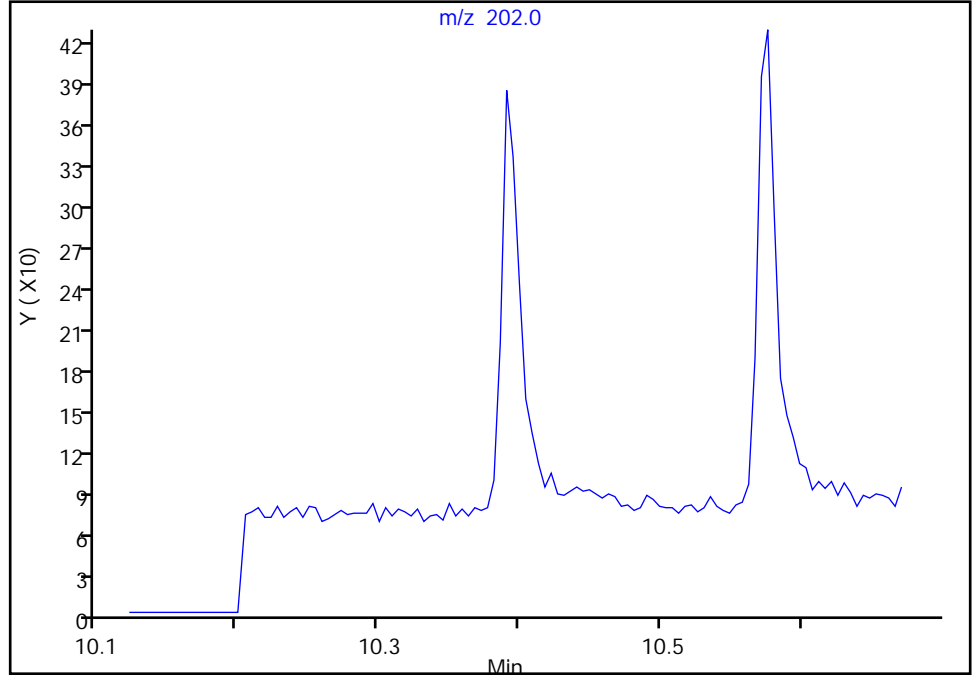
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Fluoranthene, CAS: 206-44-0

Signal: 1

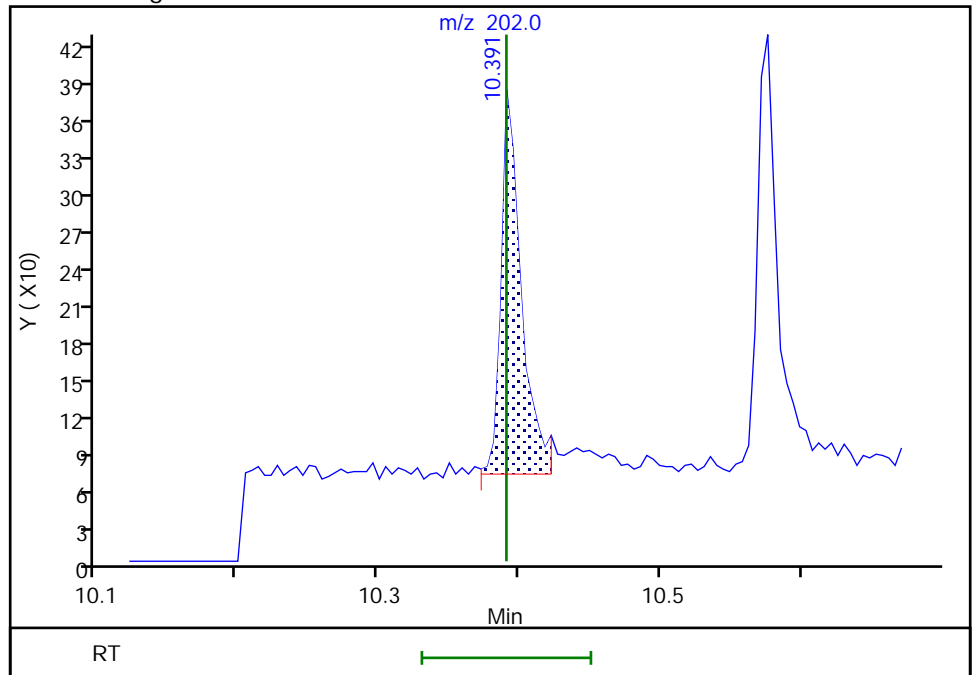
Not Detected
Expected RT: 10.39

Processing Integration Results



Manual Integration Results

RT: 10.39
Area: 303
Amount: 0.799633
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:18:03
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

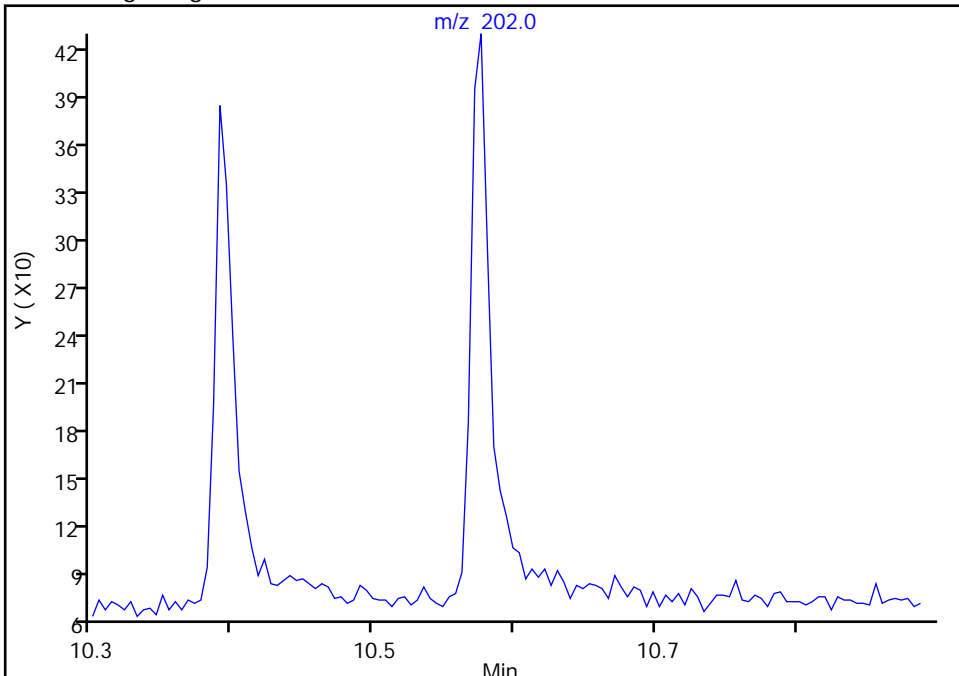
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Pyrene, CAS: 129-00-0

Signal: 1

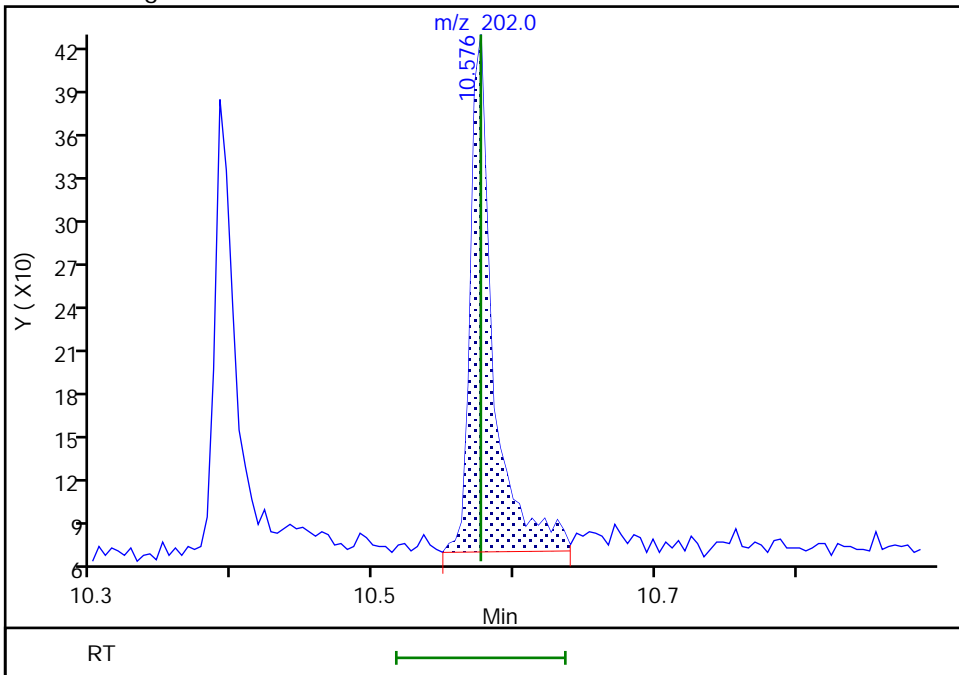
Not Detected
Expected RT: 10.58

Processing Integration Results



Manual Integration Results

RT: 10.58
Area: 393
Amount: 0.986171
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:18:08
Audit Action: Manually Integrated

Audit Reason: Baseline

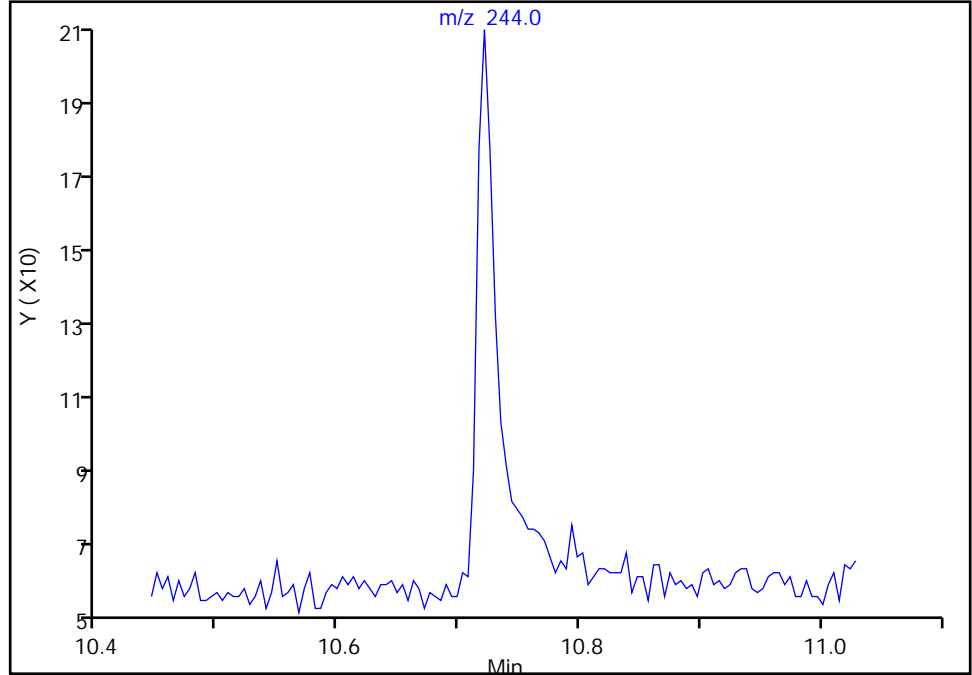
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 11 Terphenyl-d14, CAS: 1718-51-0
Signal: 1

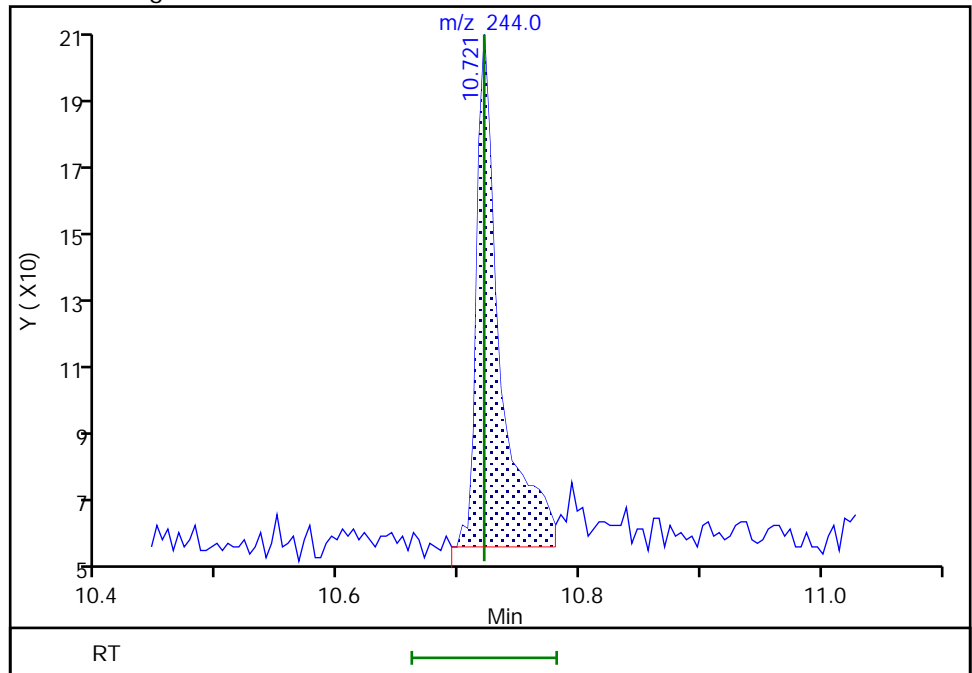
Not Detected
Expected RT: 10.72

Processing Integration Results



Manual Integration Results

RT: 10.72
Area: 190
Amount: 0.830477
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:17:17
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

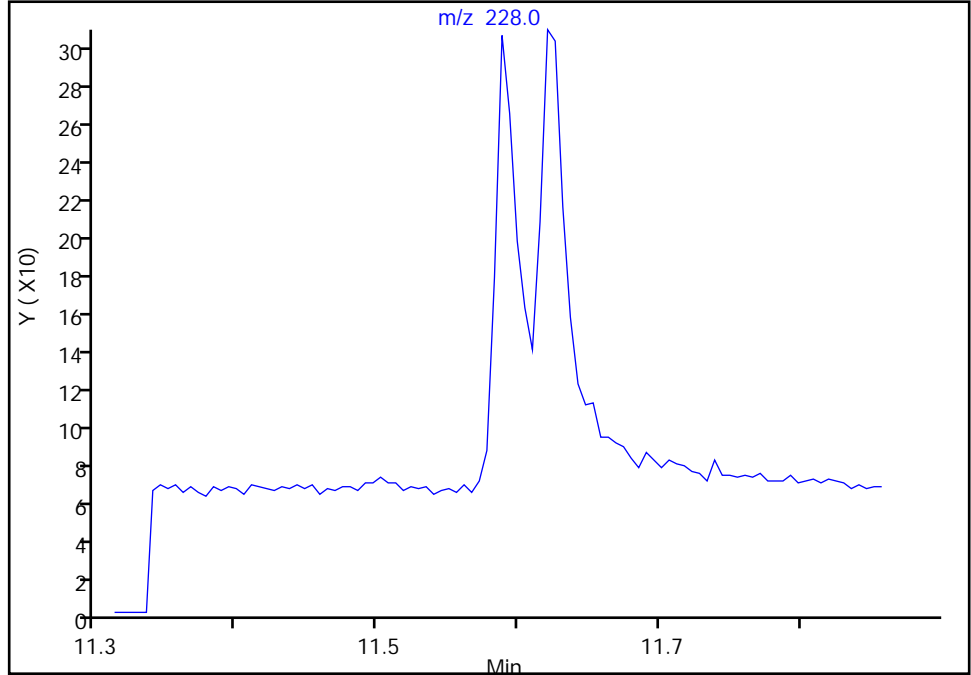
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

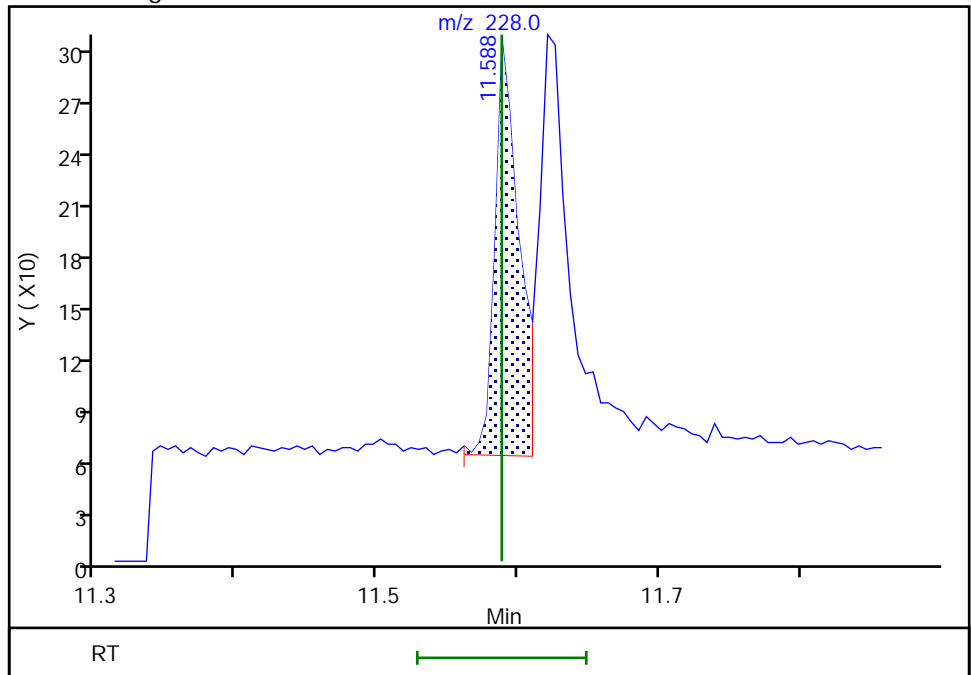
Not Detected
Expected RT: 11.59

Processing Integration Results



Manual Integration Results

RT: 11.59
Area: 278
Amount: 1.076813
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:18:12
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

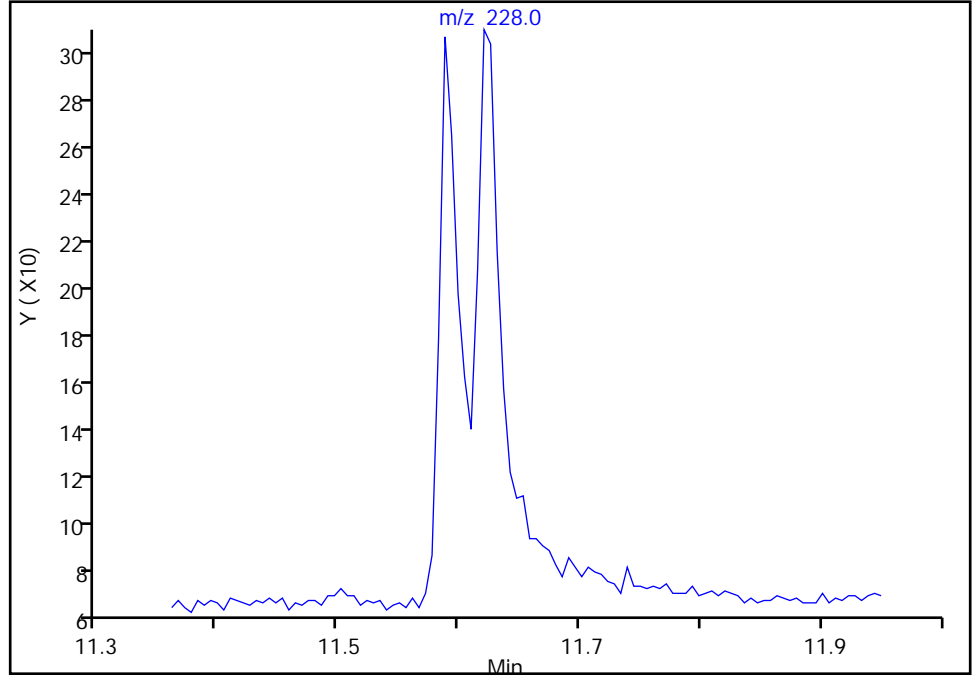
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Chrysene, CAS: 218-01-9

Signal: 1

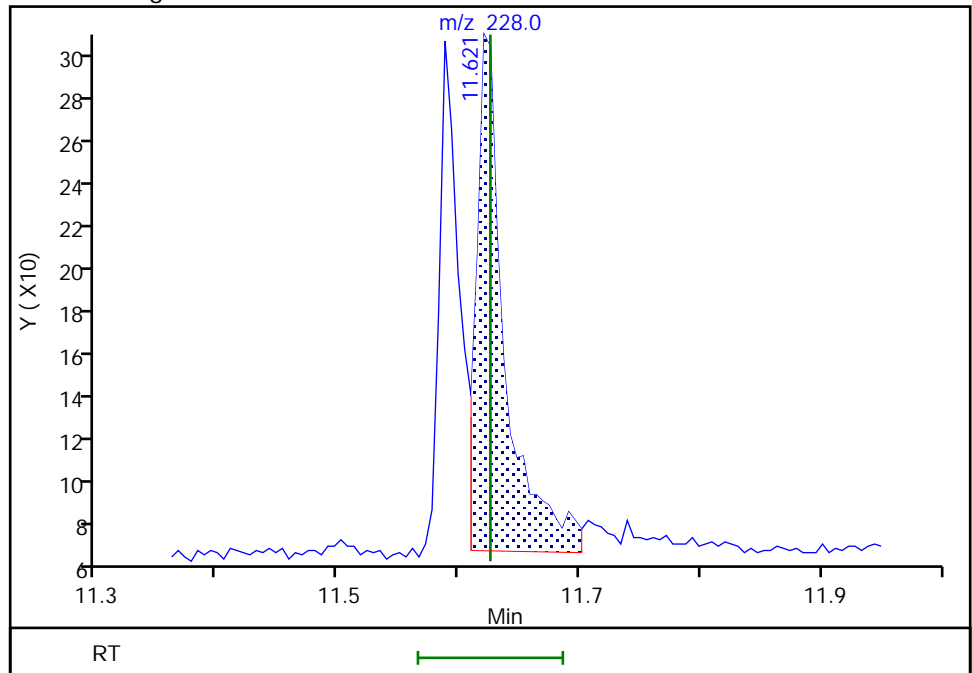
Not Detected
Expected RT: 11.63

Processing Integration Results



Manual Integration Results

RT: 11.62
Area: 385
Amount: 0.975149
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:18:20
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

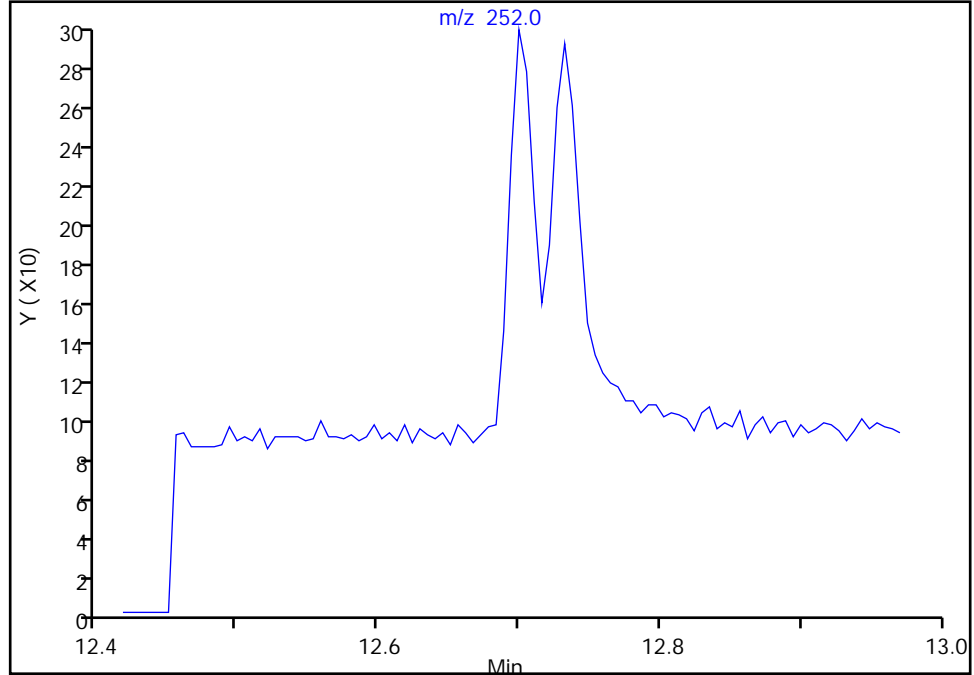
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

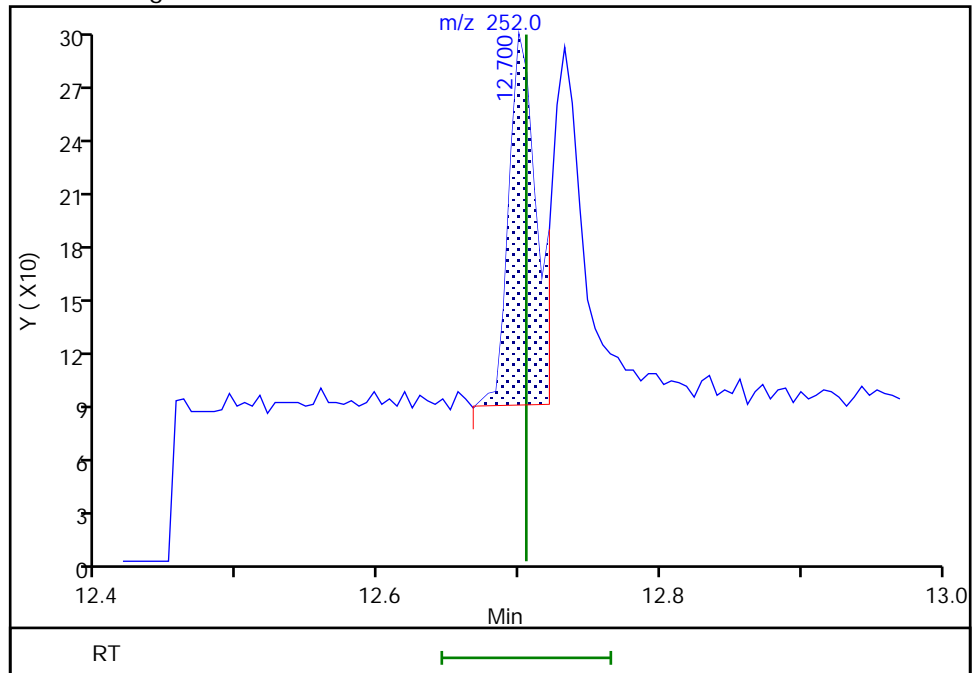
Not Detected
Expected RT: 12.70

Processing Integration Results



Manual Integration Results

RT: 12.70
Area: 272
Amount: 1.039534
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:18:28
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

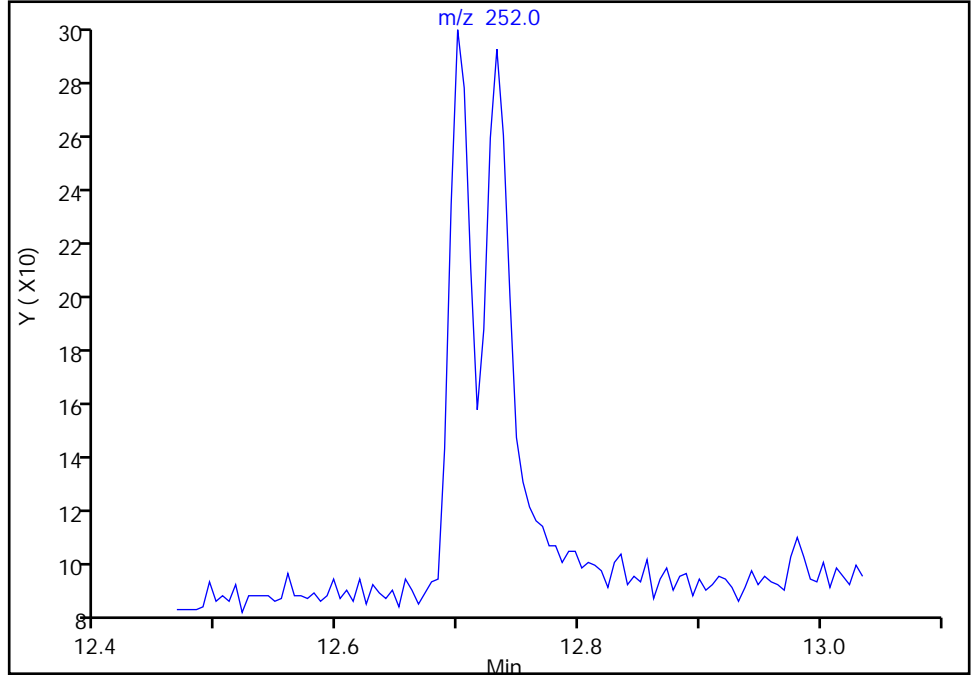
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

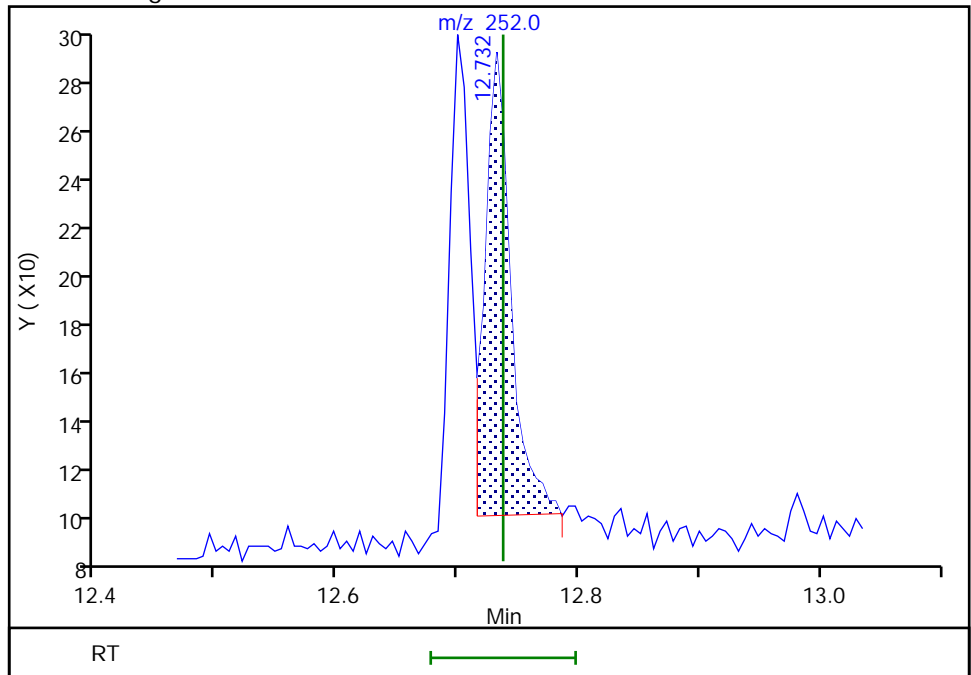
Not Detected
Expected RT: 12.74

Processing Integration Results



Manual Integration Results

RT: 12.73
Area: 268
Amount: 1.032025
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:18:35
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

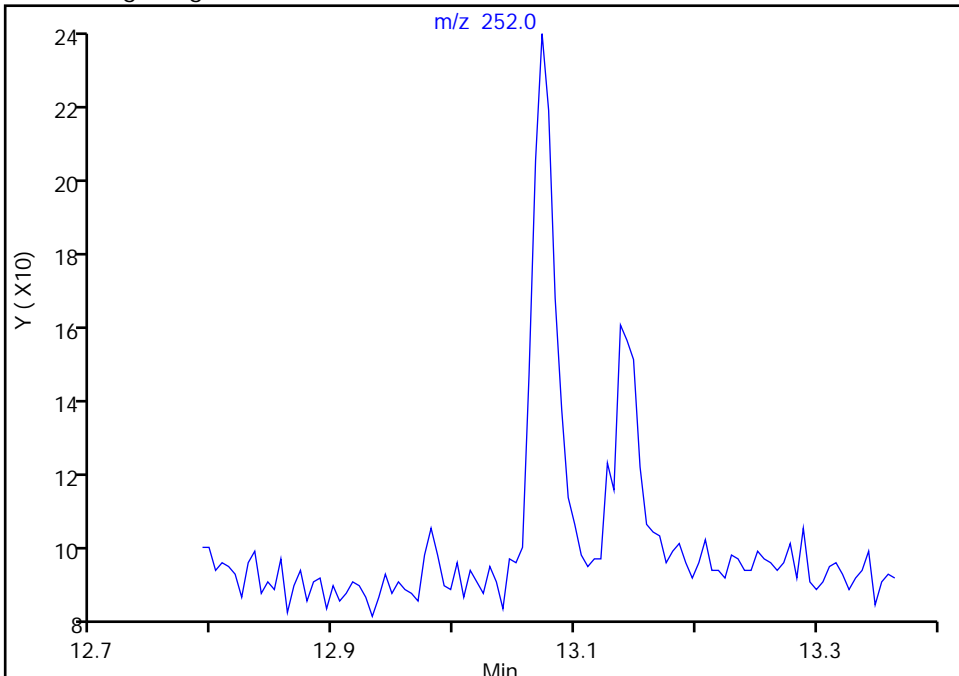
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

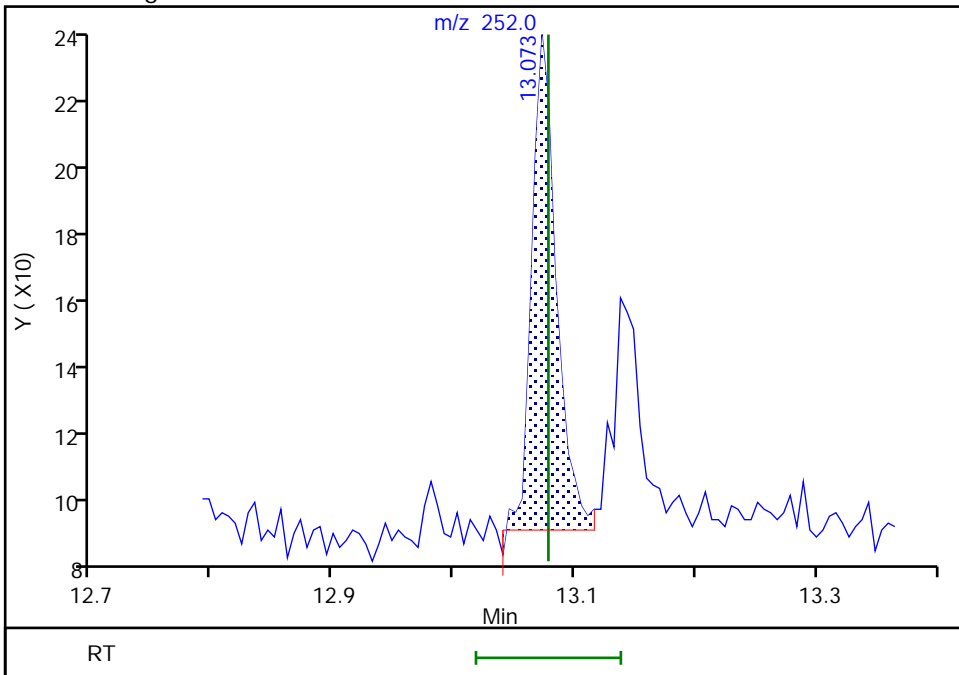
Not Detected
Expected RT: 13.08

Processing Integration Results



Manual Integration Results

RT: 13.07
Area: 200
Amount: 0.841059
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:18:41
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

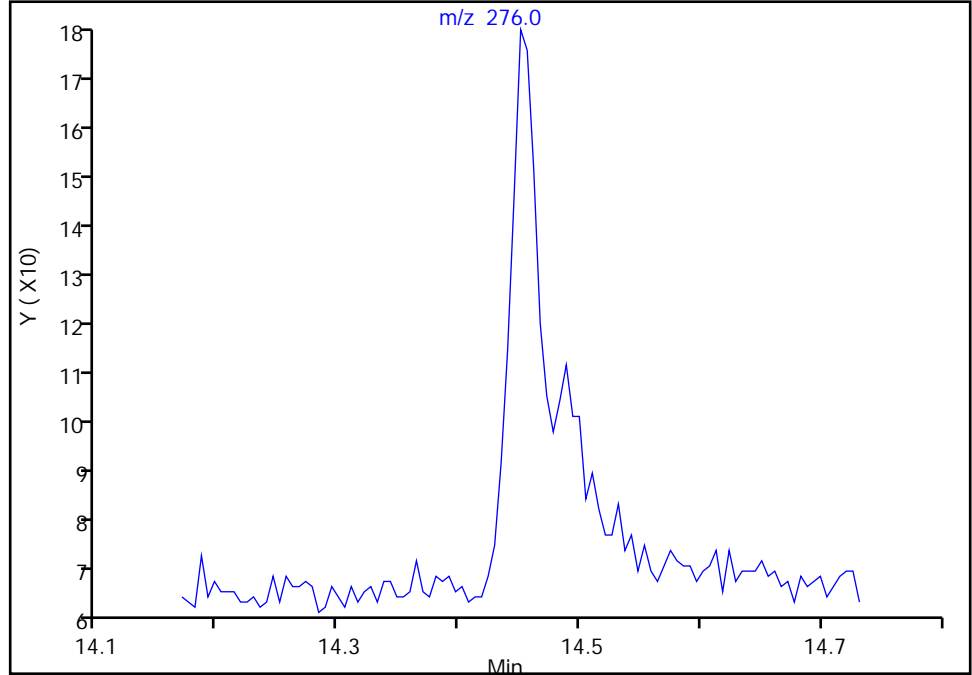
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

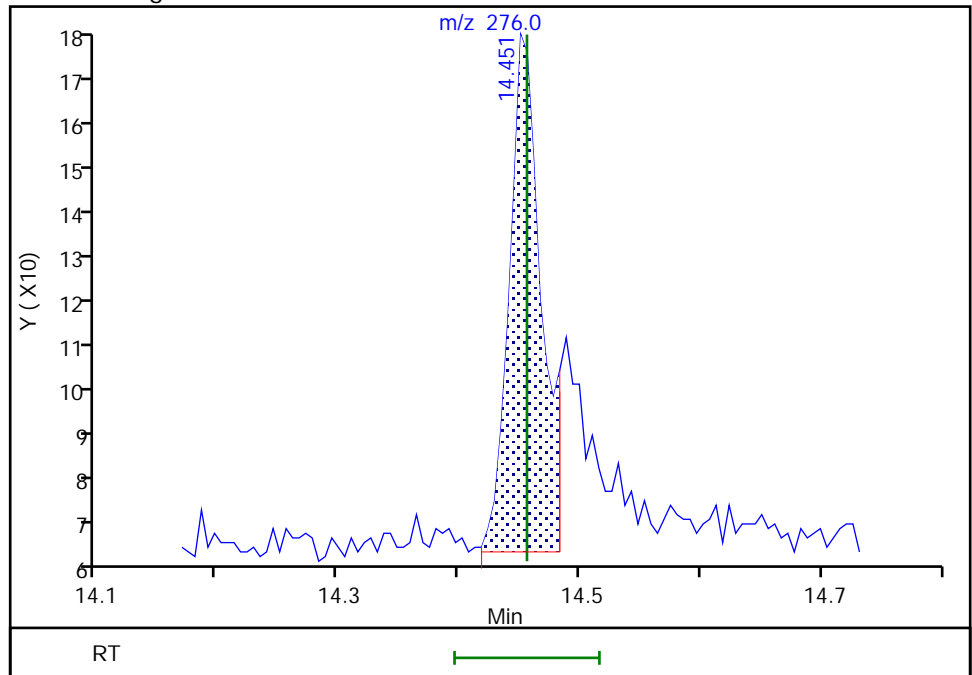
Not Detected
Expected RT: 14.46

Processing Integration Results



Manual Integration Results

RT: 14.45
Area: 200
Amount: 0.924436
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:18:47
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

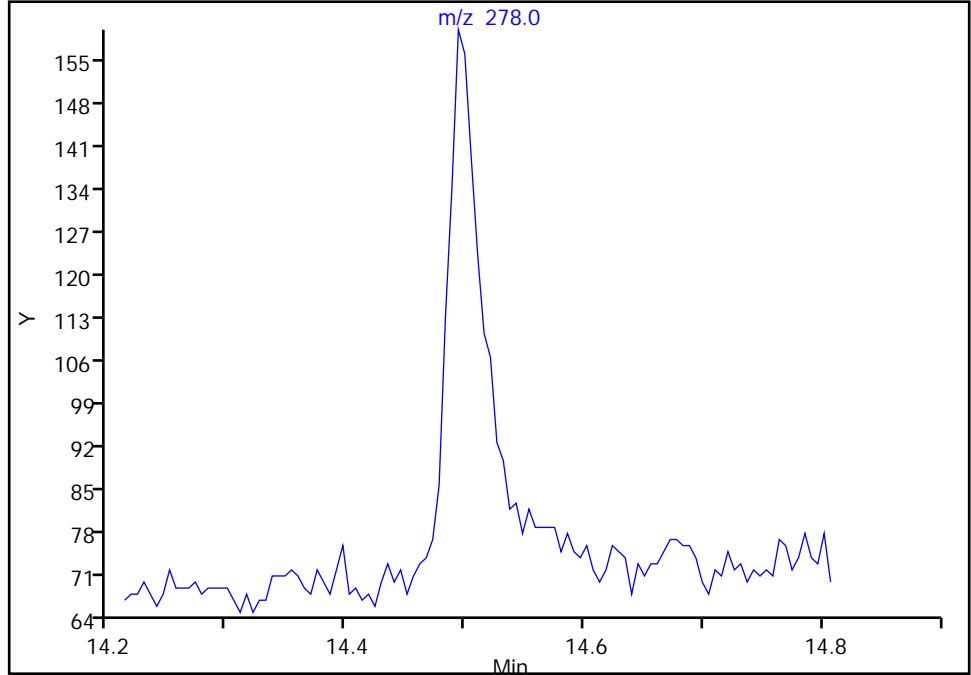
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

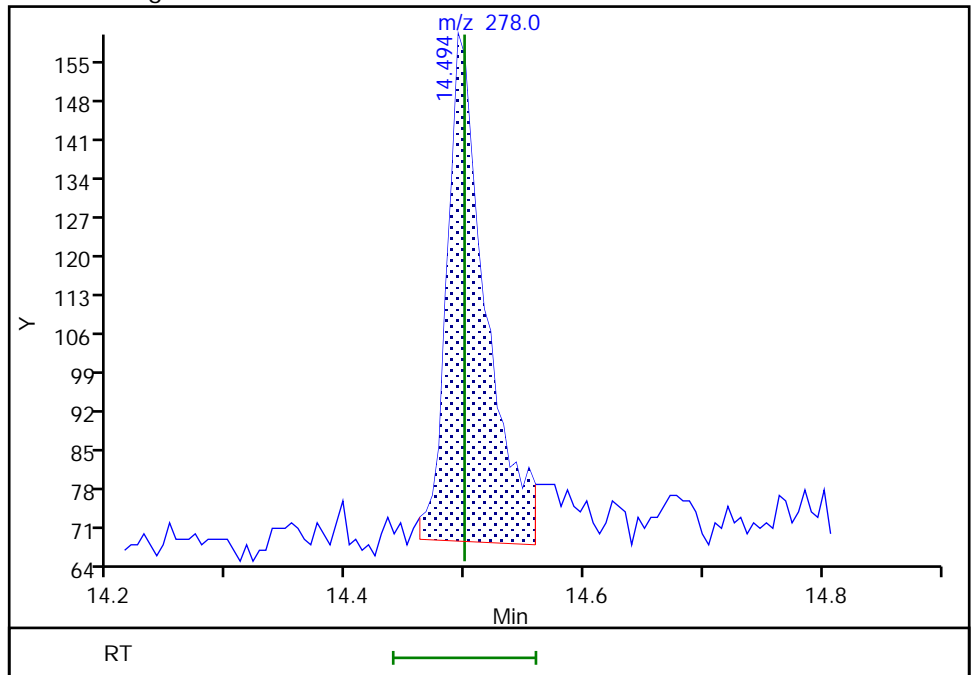
Not Detected
Expected RT: 14.50

Processing Integration Results



Manual Integration Results

RT: 14.49
Area: 206
Amount: 3.003061
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:18:52
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

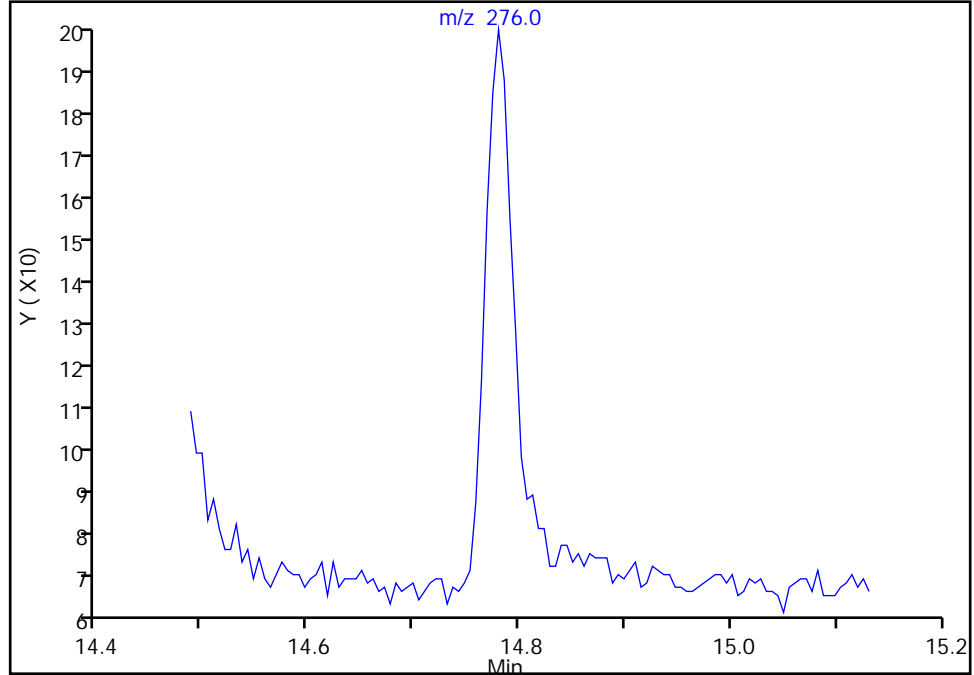
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
Injection Date: 25-Mar-2022 02:32:30 Instrument ID: SEA101
Lims ID: std1
Client ID:
Operator ID: tl ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

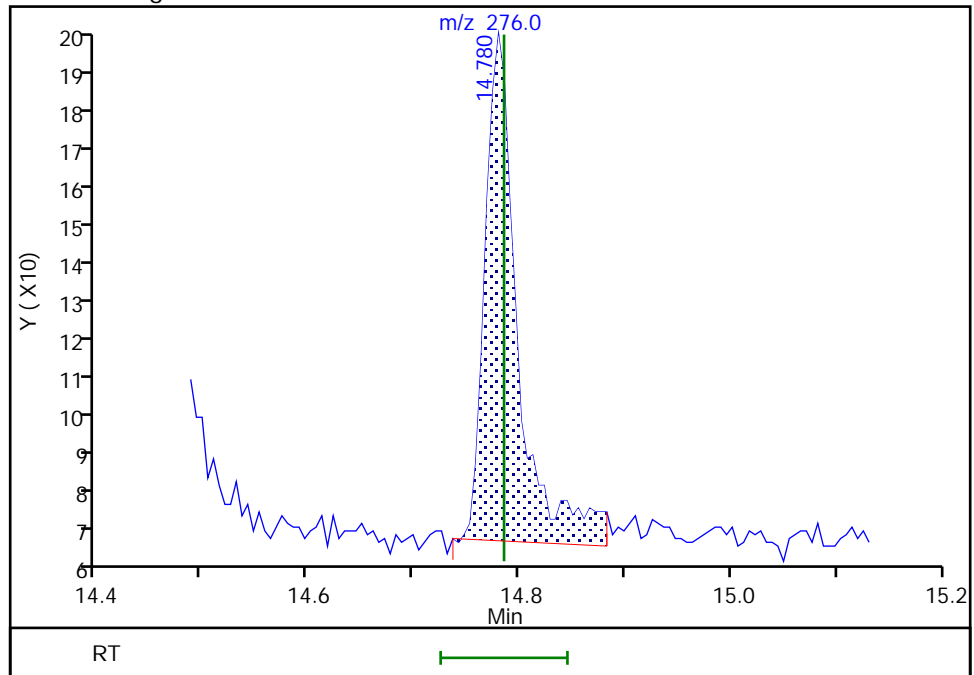
Not Detected
Expected RT: 14.79

Processing Integration Results



Manual Integration Results

RT: 14.78
Area: 287
Amount: 0.950268
Amount Units: ug/L



Reviewer: limmere, 25-Mar-2022 13:18:56
Audit Action: Manually Integrated

Audit Reason: Baseline

Calibration

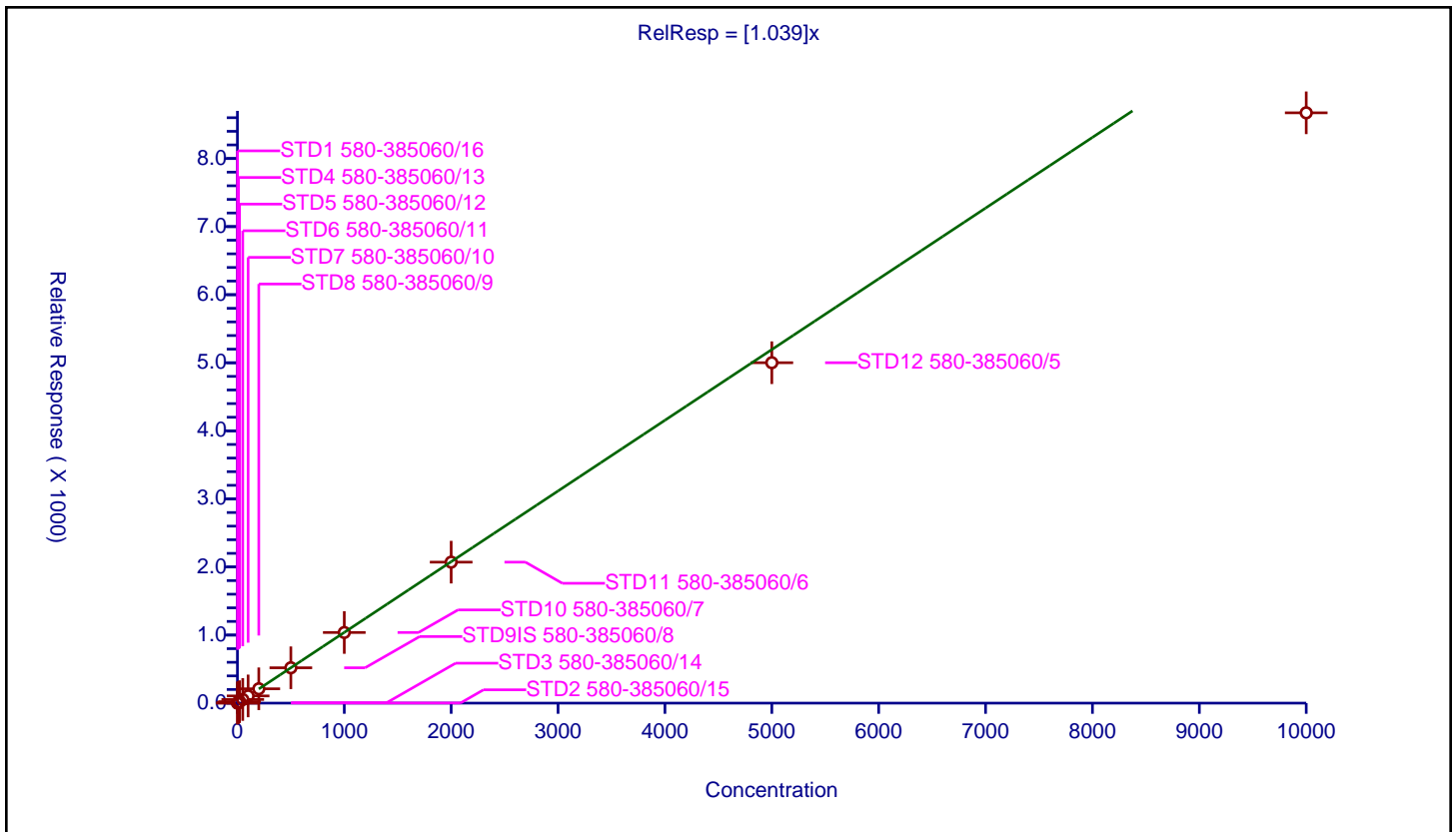
/ Naphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.039

Error Coefficients	
Standard Error:	2290000
Relative Standard Error:	6.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	1.105207	100.0	61165.0	1.105207	Y
2	STD2 580-385060/15	2.0	2.066375	100.0	63638.0	1.033188	Y
3	STD3 580-385060/14	5.0	5.024619	100.0	57477.0	1.004924	Y
4	STD4 580-385060/13	10.0	11.258006	100.0	60890.0	1.125801	Y
5	STD5 580-385060/12	20.0	21.500073	100.0	61637.0	1.075004	Y
6	STD6 580-385060/11	50.0	53.398811	100.0	63228.0	1.067976	Y
7	STD7 580-385060/10	100.0	105.935805	100.0	64709.0	1.059358	Y
8	STD8 580-385060/9	200.0	210.848872	100.0	66606.0	1.054244	Y
9	STD9IS 580-385060/8	500.0	519.331578	100.0	72529.0	1.038663	Y
10	STD10 580-385060/7	1000.0	1037.707032	100.0	70581.0	1.037707	Y
11	STD11 580-385060/6	2000.0	2070.963555	100.0	70105.0	1.035482	Y
12	STD12 580-385060/5	5000.0	5000.57201	100.0	74649.0	1.000114	Y
13	STD13 580-385060/4	10000.0	8671.661611	100.0	78466.0	0.867166	Y



Calibration

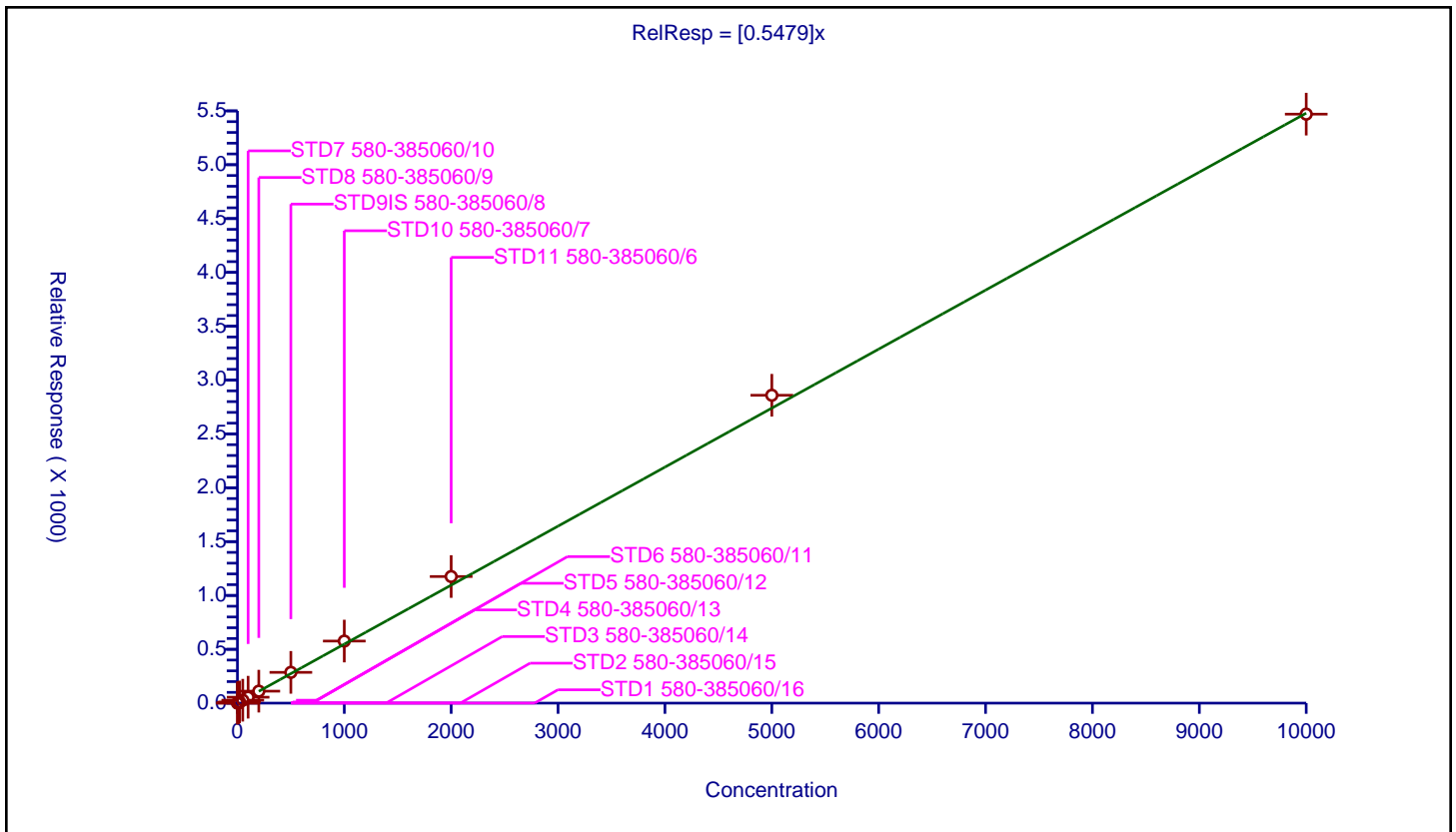
/ 2-methylnaphthalene-d10

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5479

Error Coefficients	
Standard Error:	1410000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	0.547699	100.0	61165.0	0.547699	Y
2	STD2 580-385060/15	2.0	1.016688	100.0	63638.0	0.508344	Y
3	STD3 580-385060/14	5.0	2.498391	100.0	57477.0	0.499678	Y
4	STD4 580-385060/13	10.0	5.314502	100.0	60890.0	0.53145	Y
5	STD5 580-385060/12	20.0	10.634846	100.0	61637.0	0.531742	Y
6	STD6 580-385060/11	50.0	27.158854	100.0	63228.0	0.543177	Y
7	STD7 580-385060/10	100.0	55.003168	100.0	64709.0	0.550032	Y
8	STD8 580-385060/9	200.0	111.233222	100.0	66606.0	0.556166	Y
9	STD9IS 580-385060/8	500.0	285.789133	100.0	72529.0	0.571578	Y
10	STD10 580-385060/7	1000.0	576.397331	100.0	70581.0	0.576397	Y
11	STD11 580-385060/6	2000.0	1175.811996	100.0	70105.0	0.587906	Y
12	STD12 580-385060/5	5000.0	2859.245268	100.0	74649.0	0.571849	Y
13	STD13 580-385060/4	10000.0	5469.872301	100.0	78466.0	0.546987	Y



Calibration

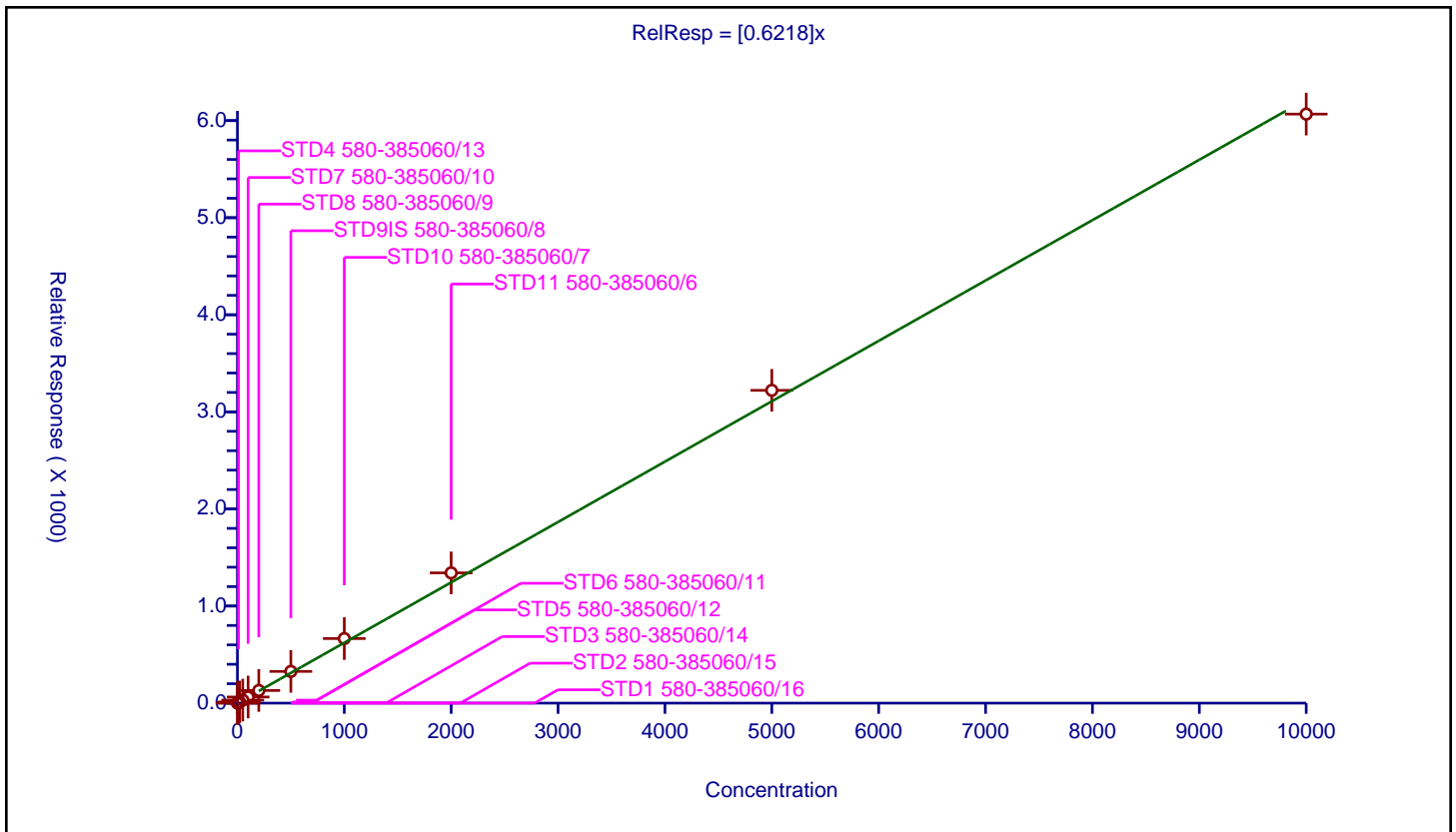
/ 2-Methylnaphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6218

Error Coefficients	
Standard Error:	1570000
Relative Standard Error:	5.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	0.578762	100.0	61165.0	0.578762	Y
2	STD2 580-385060/15	2.0	1.1204	100.0	63638.0	0.5602	Y
3	STD3 580-385060/14	5.0	2.827218	100.0	57477.0	0.565444	Y
4	STD4 580-385060/13	10.0	6.276893	100.0	60890.0	0.627689	Y
5	STD5 580-385060/12	20.0	12.226422	100.0	61637.0	0.611321	Y
6	STD6 580-385060/11	50.0	30.948314	100.0	63228.0	0.618966	Y
7	STD7 580-385060/10	100.0	63.039144	100.0	64709.0	0.630391	Y
8	STD8 580-385060/9	200.0	130.199982	100.0	66606.0	0.651	Y
9	STD9IS 580-385060/8	500.0	326.596258	100.0	72529.0	0.653193	Y
10	STD10 580-385060/7	1000.0	665.048667	100.0	70581.0	0.665049	Y
11	STD11 580-385060/6	2000.0	1341.450681	100.0	70105.0	0.670725	Y
12	STD12 580-385060/5	5000.0	3221.834184	100.0	74649.0	0.644367	Y
13	STD13 580-385060/4	10000.0	6067.132261	100.0	78466.0	0.606713	Y



Calibration

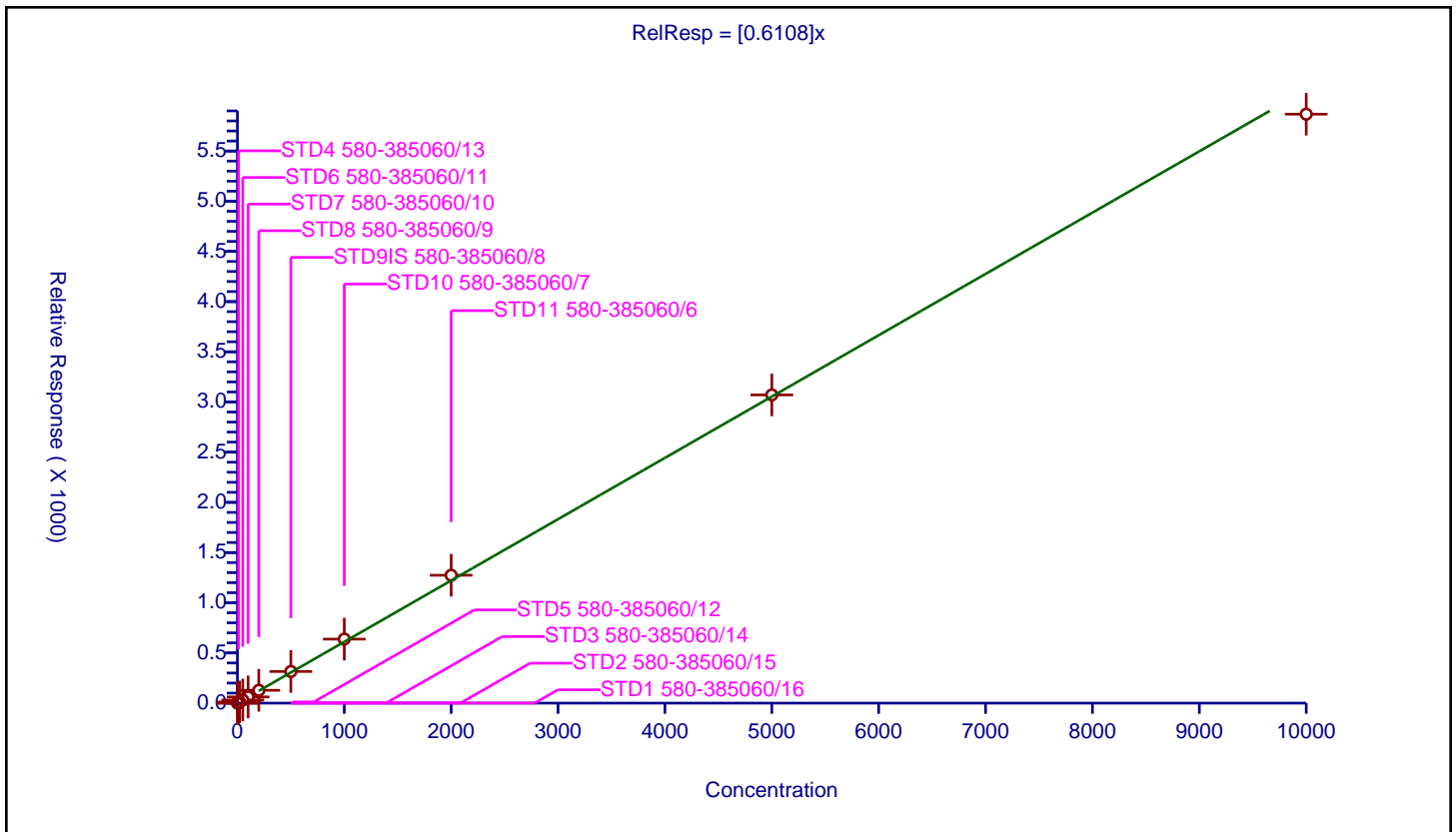
/ 1-Methylnaphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6108

Error Coefficients	
Standard Error:	1510000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	0.591842	100.0	61165.0	0.591842	Y
2	STD2 580-385060/15	2.0	1.129828	100.0	63638.0	0.564914	Y
3	STD3 580-385060/14	5.0	2.879413	100.0	57477.0	0.575883	Y
4	STD4 580-385060/13	10.0	6.235835	100.0	60890.0	0.623584	Y
5	STD5 580-385060/12	20.0	12.148547	100.0	61637.0	0.607427	Y
6	STD6 580-385060/11	50.0	30.817043	100.0	63228.0	0.616341	Y
7	STD7 580-385060/10	100.0	61.588033	100.0	64709.0	0.61588	Y
8	STD8 580-385060/9	200.0	127.63715	100.0	66606.0	0.638186	Y
9	STD9IS 580-385060/8	500.0	315.454508	100.0	72529.0	0.630909	Y
10	STD10 580-385060/7	1000.0	637.848713	100.0	70581.0	0.637849	Y
11	STD11 580-385060/6	2000.0	1273.899151	100.0	70105.0	0.63695	Y
12	STD12 580-385060/5	5000.0	3070.579646	100.0	74649.0	0.614116	Y
13	STD13 580-385060/4	10000.0	5867.481457	100.0	78466.0	0.586748	Y



Calibration

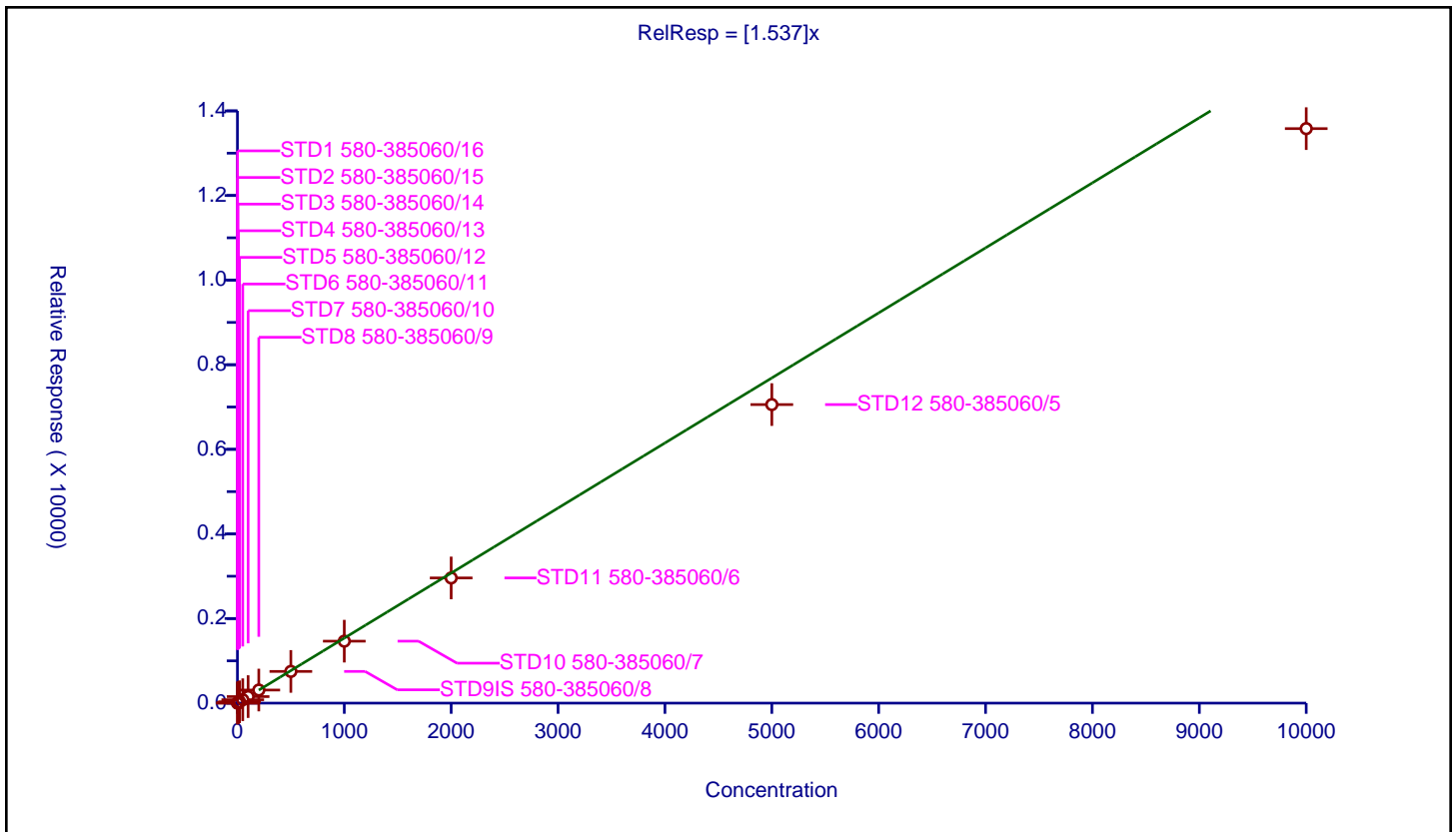
/ 2-Fluorobiphenyl

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.537

Error Coefficients	
Standard Error:	1740000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	1.745554	100.0	24233.0	1.745554	Y
2	STD2 580-385060/15	2.0	3.089028	100.0	25801.0	1.544514	Y
3	STD3 580-385060/14	5.0	7.757018	100.0	22586.0	1.551404	Y
4	STD4 580-385060/13	10.0	16.414326	100.0	24570.0	1.641433	Y
5	STD5 580-385060/12	20.0	31.950305	100.0	25596.0	1.597515	Y
6	STD6 580-385060/11	50.0	80.195946	100.0	26742.0	1.603919	Y
7	STD7 580-385060/10	100.0	154.389313	100.0	28296.0	1.543893	Y
8	STD8 580-385060/9	200.0	309.223253	100.0	30293.0	1.546116	Y
9	STD9IS 580-385060/8	500.0	749.257909	100.0	34295.0	1.498516	Y
10	STD10 580-385060/7	1000.0	1464.978242	100.0	34470.0	1.464978	Y
11	STD11 580-385060/6	2000.0	2959.520748	100.0	34220.0	1.47976	Y
12	STD12 580-385060/5	5000.0	7057.185316	100.0	37347.0	1.411437	Y
13	STD13 580-385060/4	10000.0	13580.49336	100.0	39079.0	1.358049	Y



Calibration

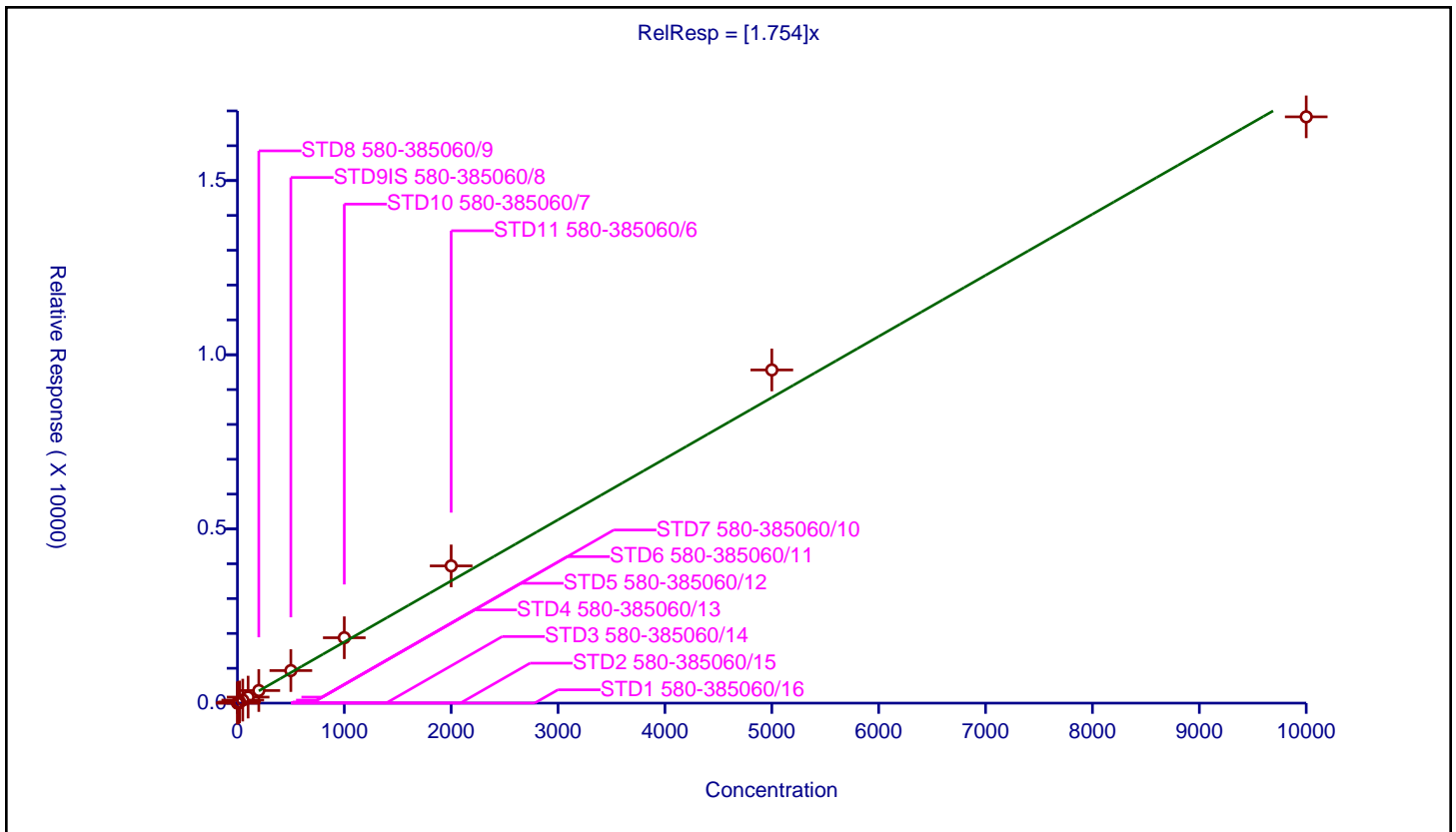
/ Acenaphthylene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.754

Error Coefficients	
Standard Error:	2200000
Relative Standard Error:	6.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	1.634135	100.0	24233.0	1.634135	Y
2	STD2 580-385060/15	2.0	3.333204	100.0	25801.0	1.666602	Y
3	STD3 580-385060/14	5.0	7.858851	100.0	22586.0	1.57177	Y
4	STD4 580-385060/13	10.0	16.914937	100.0	24570.0	1.691494	Y
5	STD5 580-385060/12	20.0	33.145804	100.0	25596.0	1.65729	Y
6	STD6 580-385060/11	50.0	86.777354	100.0	26742.0	1.735547	Y
7	STD7 580-385060/10	100.0	173.052728	100.0	28296.0	1.730527	Y
8	STD8 580-385060/9	200.0	361.57198	100.0	30293.0	1.80786	Y
9	STD9IS 580-385060/8	500.0	934.378189	100.0	34295.0	1.868756	Y
10	STD10 580-385060/7	1000.0	1877.302002	100.0	34470.0	1.877302	Y
11	STD11 580-385060/6	2000.0	3939.167154	100.0	34220.0	1.969584	Y
12	STD12 580-385060/5	5000.0	9563.849841	100.0	37347.0	1.91277	Y
13	STD13 580-385060/4	10000.0	16829.164001	100.0	39079.0	1.682916	Y



Calibration

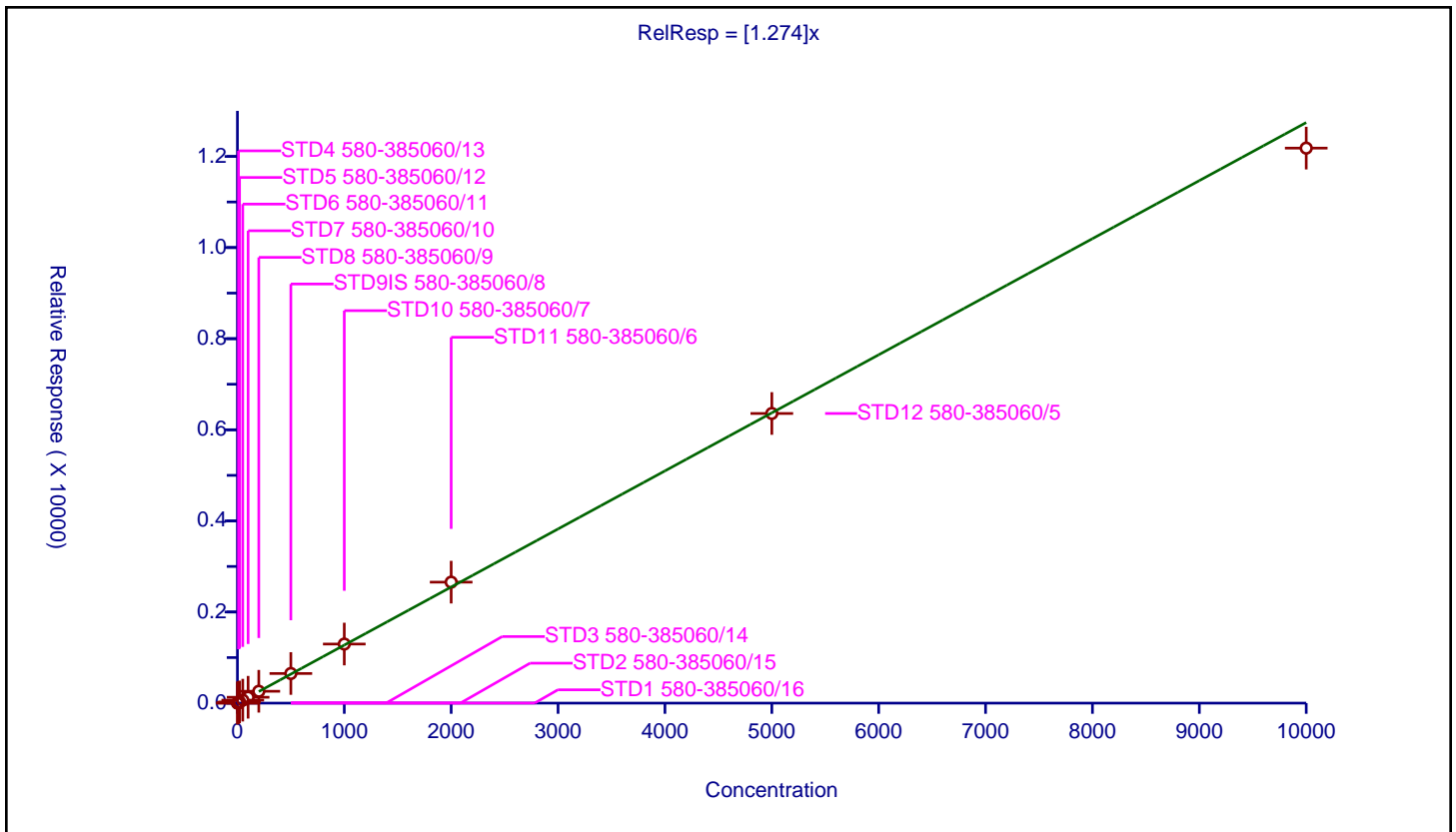
/ Acenaphthene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.274

Error Coefficients	
Standard Error:	1560000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	1.254488	100.0	24233.0	1.254488	Y
2	STD2 580-385060/15	2.0	2.383629	100.0	25801.0	1.191814	Y
3	STD3 580-385060/14	5.0	6.220668	100.0	22586.0	1.244134	Y
4	STD4 580-385060/13	10.0	12.893773	100.0	24570.0	1.289377	Y
5	STD5 580-385060/12	20.0	25.550867	100.0	25596.0	1.277543	Y
6	STD6 580-385060/11	50.0	65.167153	100.0	26742.0	1.303343	Y
7	STD7 580-385060/10	100.0	128.845066	100.0	28296.0	1.288451	Y
8	STD8 580-385060/9	200.0	260.360479	100.0	30293.0	1.301802	Y
9	STD9IS 580-385060/8	500.0	650.640035	100.0	34295.0	1.30128	Y
10	STD10 580-385060/7	1000.0	1296.901654	100.0	34470.0	1.296902	Y
11	STD11 580-385060/6	2000.0	2655.496786	100.0	34220.0	1.327748	Y
12	STD12 580-385060/5	5000.0	6358.042145	100.0	37347.0	1.271608	Y
13	STD13 580-385060/4	10000.0	12182.430461	100.0	39079.0	1.218243	Y



Calibration

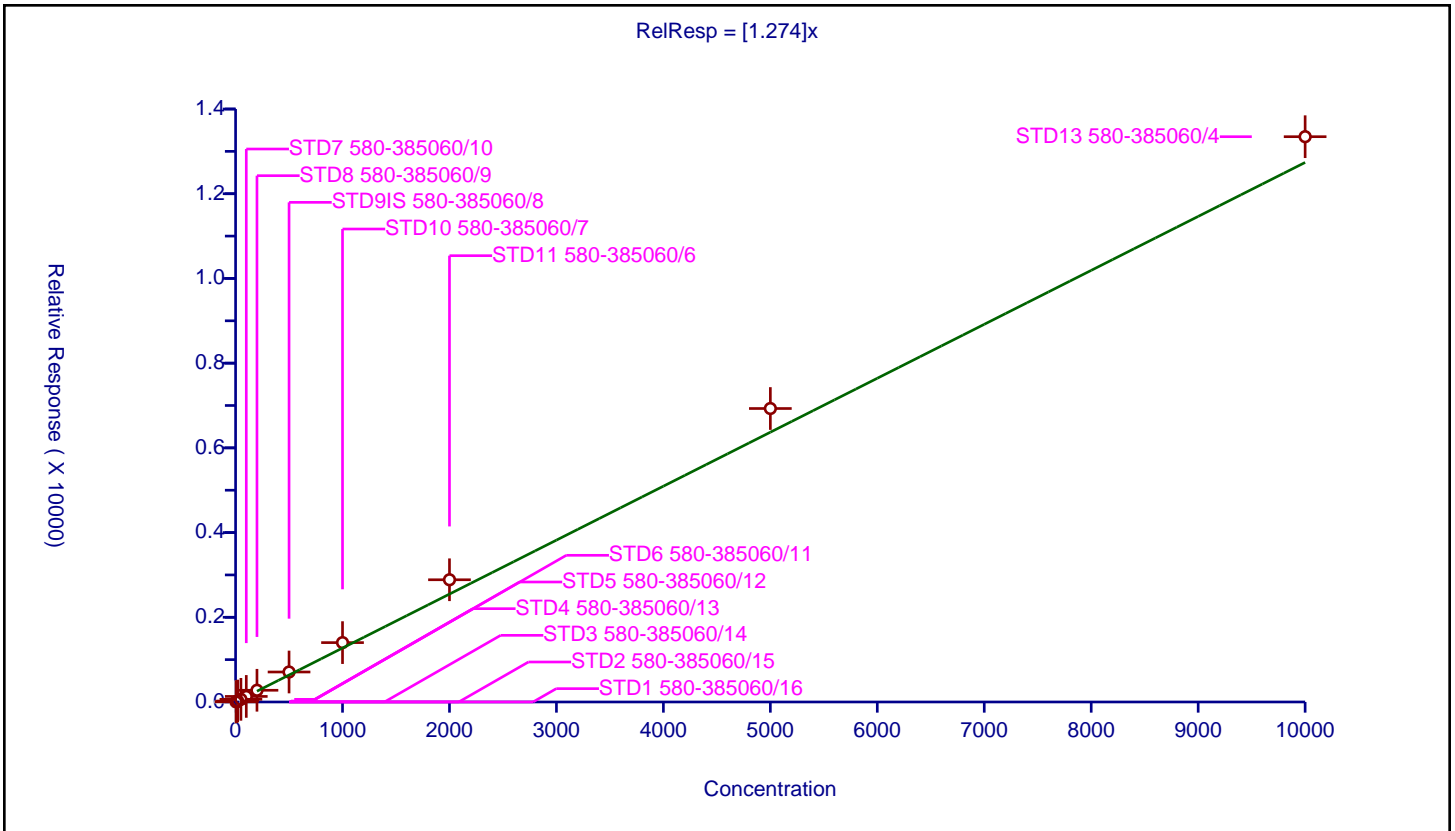
/ Fluorene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.274

Error Coefficients	
Standard Error:	1870000
Relative Standard Error:	13.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	0.924359	100.0	24233.0	0.924359	N
2	STD2 580-385060/15	2.0	1.755746	100.0	25801.0	0.877873	N
3	STD3 580-385060/14	5.0	4.737448	100.0	22586.0	0.94749	Y
4	STD4 580-385060/13	10.0	10.23199	100.0	24570.0	1.023199	Y
5	STD5 580-385060/12	20.0	22.269105	100.0	25596.0	1.113455	Y
6	STD6 580-385060/11	50.0	62.560766	100.0	26742.0	1.251215	Y
7	STD7 580-385060/10	100.0	131.007916	100.0	28296.0	1.310079	Y
8	STD8 580-385060/9	200.0	277.011191	100.0	30293.0	1.385056	Y
9	STD9IS 580-385060/8	500.0	708.228605	100.0	34295.0	1.416457	Y
10	STD10 580-385060/7	1000.0	1401.642008	100.0	34470.0	1.401642	Y
11	STD11 580-385060/6	2000.0	2885.829924	100.0	34220.0	1.442915	Y
12	STD12 580-385060/5	5000.0	6928.883177	100.0	37347.0	1.385777	Y
13	STD13 580-385060/4	10000.0	13346.321554	100.0	39079.0	1.334632	Y



Calibration

/ 2,4,6-Tribromophenol

Curve Type: Quadratic
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

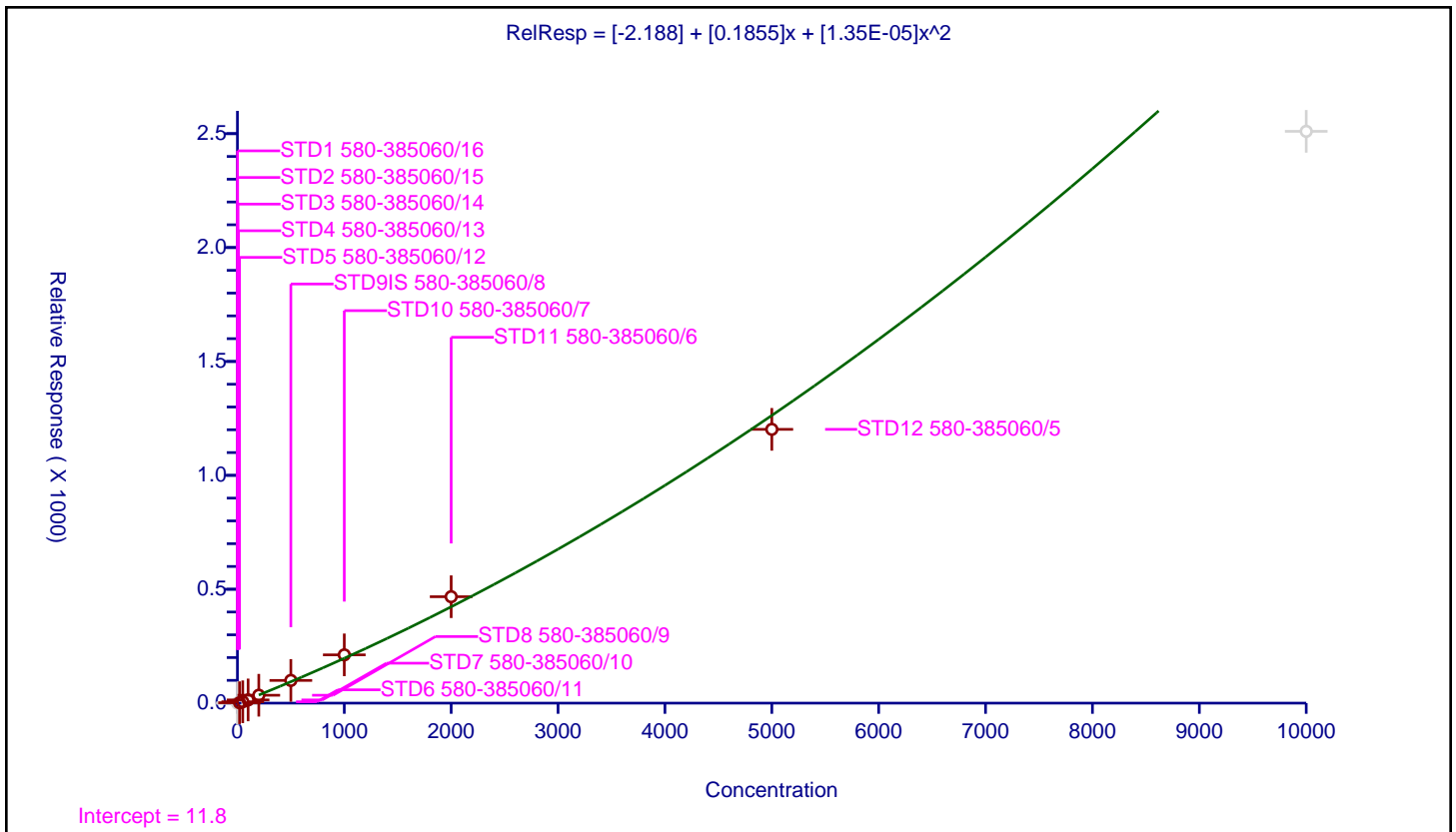
Curve Coefficients

Intercept: -2.188
 Slope: 0.1855
 Second Order: 1.35E-05

Error Coefficients

Standard Error: 216000
 Relative Standard Error: 10.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	0.0	100.0	24233.0	0.0	N
2	STD2 580-385060/15	2.0	0.155033	100.0	25801.0	0.077516	N
3	STD3 580-385060/14	5.0	0.367484	100.0	22586.0	0.073497	N
4	STD4 580-385060/13	10.0	0.744811	100.0	24570.0	0.074481	N
5	STD5 580-385060/12	20.0	1.785435	100.0	25596.0	0.089272	Y
6	STD6 580-385060/11	50.0	6.046668	100.0	26742.0	0.120933	Y
7	STD7 580-385060/10	100.0	14.108001	100.0	28296.0	0.14108	Y
8	STD8 580-385060/9	200.0	34.68128	100.0	30293.0	0.173406	Y
9	STD9IS 580-385060/8	500.0	99.702581	100.0	34295.0	0.199405	Y
10	STD10 580-385060/7	1000.0	211.914708	100.0	34470.0	0.211915	Y
11	STD11 580-385060/6	2000.0	467.147867	100.0	34220.0	0.233574	Y
12	STD12 580-385060/5	5000.0	1201.906445	100.0	37347.0	0.240381	Y
13	STD13 580-385060/4	10000.0	2510.225441	100.0	39079.0	0.251023	N



Calibration

/ Pentachlorophenol

Curve Type: Quadratic
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

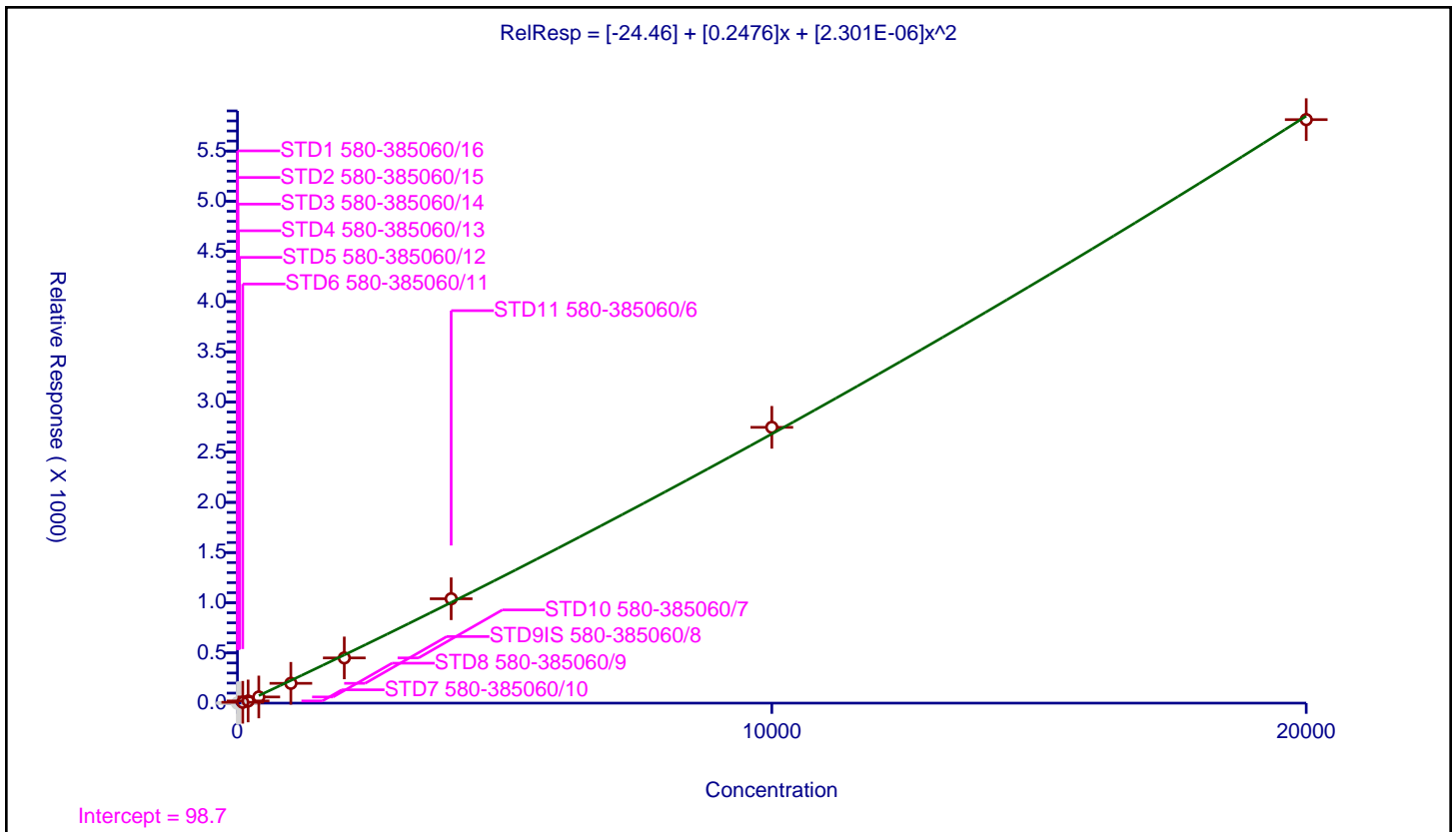
Curve Coefficients

Intercept: -24.46
 Slope: 0.2476
 Second Order: 2.301E-06

Error Coefficients

Standard Error: 1130000
 Relative Standard Error: 17.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	2.0	0.0	100.0	24233.0	0.0	N
2	STD2 580-385060/15	4.0	0.0	100.0	25801.0	0.0	N
3	STD3 580-385060/14	10.0	0.0	100.0	22586.0	0.0	N
4	STD4 580-385060/13	20.0	0.594221	100.0	24570.0	0.029711	N
5	STD5 580-385060/12	40.0	3.199719	100.0	25596.0	0.079993	N
6	STD6 580-385060/11	100.0	8.466083	100.0	26742.0	0.084661	Y
7	STD7 580-385060/10	200.0	21.49067	100.0	28296.0	0.107453	Y
8	STD8 580-385060/9	400.0	61.311194	100.0	30293.0	0.153278	Y
9	STD9IS 580-385060/8	1000.0	197.253244	100.0	34295.0	0.197253	Y
10	STD10 580-385060/7	2000.0	450.333623	100.0	34470.0	0.225167	Y
11	STD11 580-385060/6	4000.0	1039.739918	100.0	34220.0	0.259935	Y
12	STD12 580-385060/5	10000.0	2747.690578	100.0	37347.0	0.274769	Y
13	STD13 580-385060/4	20000.0	5812.937895	100.0	39079.0	0.290647	Y



Calibration

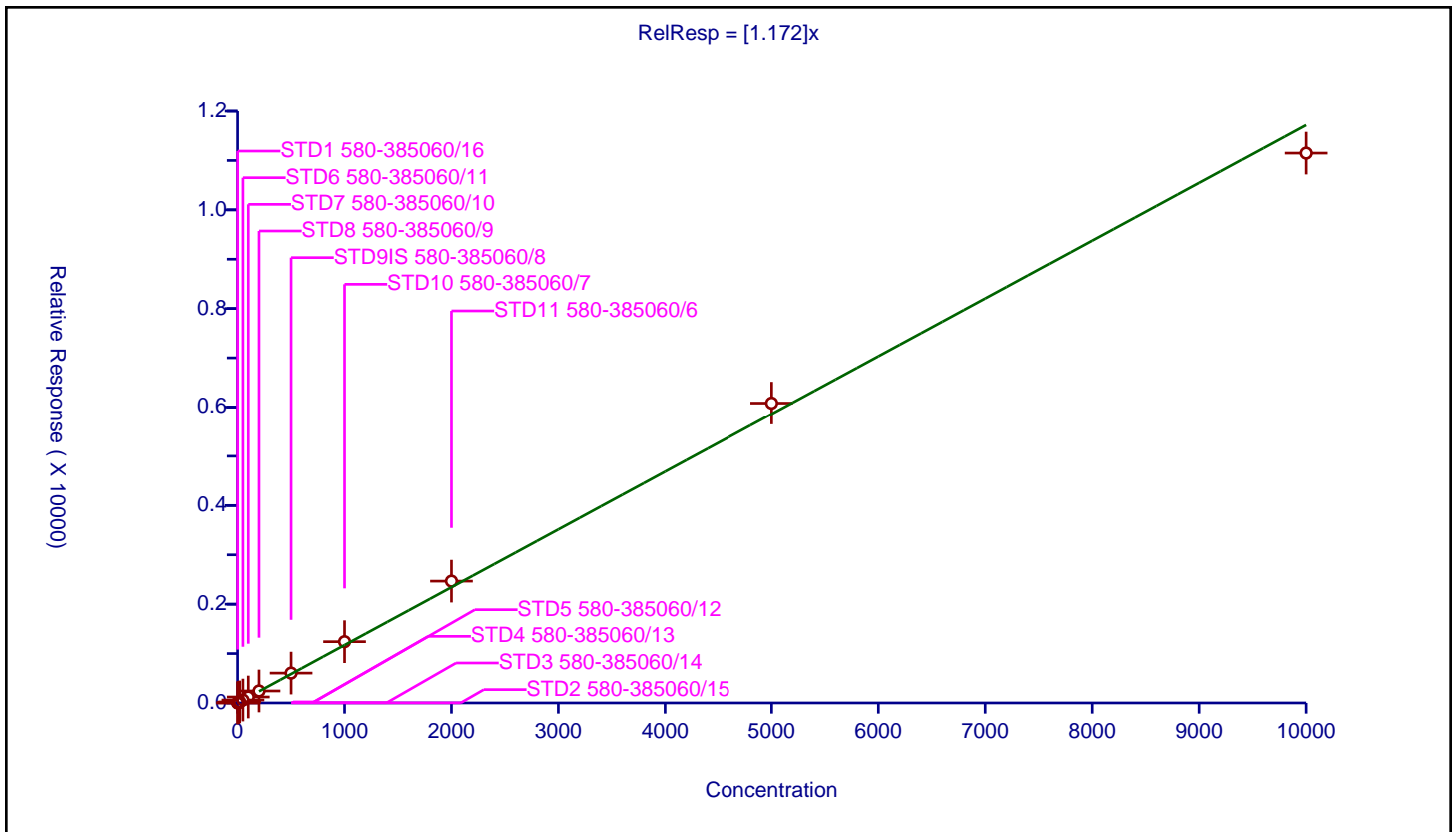
/ Phenanthrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.172

Error Coefficients	
Standard Error:	2350000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	1.276137	100.0	33382.0	1.276137	Y
2	STD2 580-385060/15	2.0	2.223814	100.0	36289.0	1.111907	Y
3	STD3 580-385060/14	5.0	5.285426	100.0	31199.0	1.057085	Y
4	STD4 580-385060/13	10.0	11.204116	100.0	35960.0	1.120412	Y
5	STD5 580-385060/12	20.0	21.012177	100.0	39420.0	1.050609	Y
6	STD6 580-385060/11	50.0	59.273241	100.0	43178.0	1.185465	Y
7	STD7 580-385060/10	100.0	120.449232	100.0	45767.0	1.204492	Y
8	STD8 580-385060/9	200.0	242.686905	100.0	51189.0	1.213435	Y
9	STD9IS 580-385060/8	500.0	604.580772	100.0	57916.0	1.209162	Y
10	STD10 580-385060/7	1000.0	1240.957105	100.0	56044.0	1.240957	Y
11	STD11 580-385060/6	2000.0	2467.011785	100.0	57275.0	1.233506	Y
12	STD12 580-385060/5	5000.0	6080.51717	100.0	60715.0	1.216103	Y
13	STD13 580-385060/4	10000.0	11149.371499	100.0	63723.0	1.114937	Y



Calibration

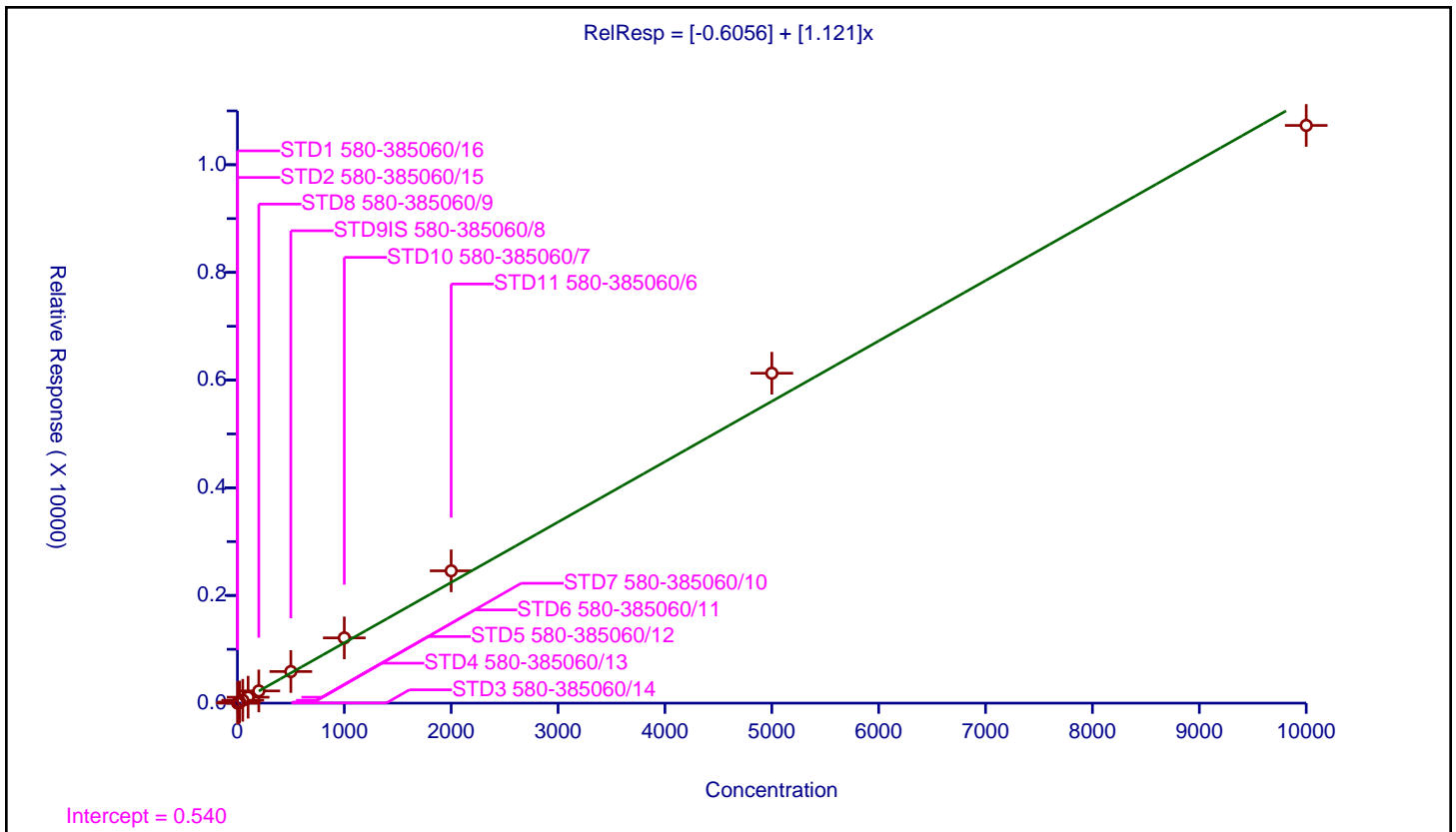
/ Anthracene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.6056
Slope:	1.121

Error Coefficients	
Standard Error:	2510000
Relative Standard Error:	8.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	0.907675	100.0	33382.0	0.907675	N
2	STD2 580-385060/15	2.0	1.843534	100.0	36289.0	0.921767	Y
3	STD3 580-385060/14	5.0	4.141158	100.0	31199.0	0.828232	Y
4	STD4 580-385060/13	10.0	9.254727	100.0	35960.0	0.925473	Y
5	STD5 580-385060/12	20.0	20.550482	100.0	39420.0	1.027524	Y
6	STD6 580-385060/11	50.0	53.362824	100.0	43178.0	1.067256	Y
7	STD7 580-385060/10	100.0	110.083685	100.0	45767.0	1.100837	Y
8	STD8 580-385060/9	200.0	226.564301	100.0	51189.0	1.132822	Y
9	STD9IS 580-385060/8	500.0	586.720423	100.0	57916.0	1.173441	Y
10	STD10 580-385060/7	1000.0	1211.749697	100.0	56044.0	1.21175	Y
11	STD11 580-385060/6	2000.0	2457.13313	100.0	57275.0	1.228567	Y
12	STD12 580-385060/5	5000.0	6127.330973	100.0	60715.0	1.225466	Y
13	STD13 580-385060/4	10000.0	10729.66119	100.0	63723.0	1.072966	Y



Calibration

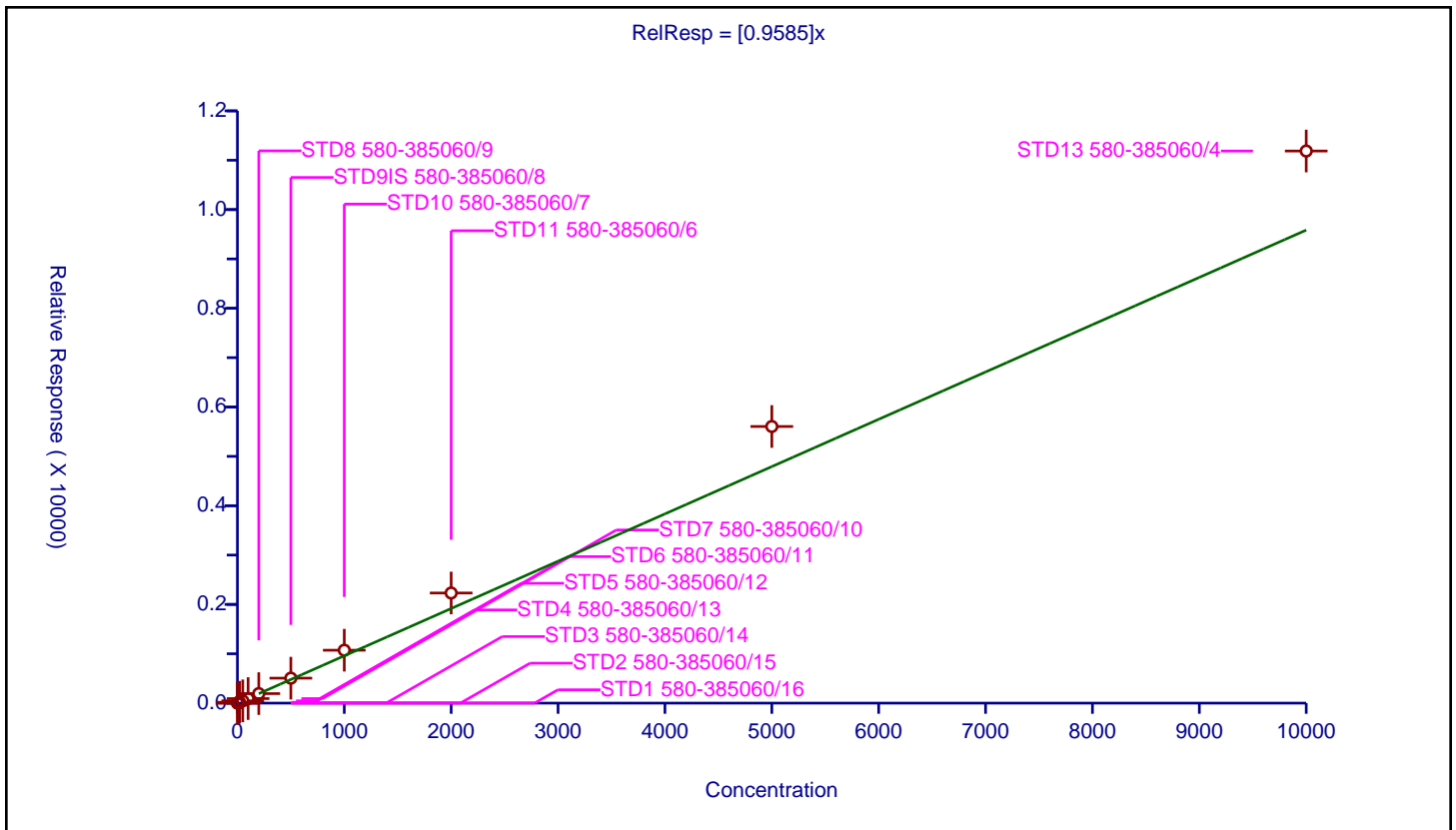
/ Fluoranthene-d10 (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9585

Error Coefficients	
Standard Error:	2320000
Relative Standard Error:	12.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	0.802828	100.0	33382.0	0.802828	Y
2	STD2 580-385060/15	2.0	1.708507	100.0	36289.0	0.854253	Y
3	STD3 580-385060/14	5.0	4.327062	100.0	31199.0	0.865412	Y
4	STD4 580-385060/13	10.0	8.228587	100.0	35960.0	0.822859	Y
5	STD5 580-385060/12	20.0	17.361745	100.0	39420.0	0.868087	Y
6	STD6 580-385060/11	50.0	46.204085	100.0	43178.0	0.924082	Y
7	STD7 580-385060/10	100.0	91.904647	100.0	45767.0	0.919046	Y
8	STD8 580-385060/9	200.0	192.826584	100.0	51189.0	0.964133	Y
9	STD9IS 580-385060/8	500.0	505.92237	100.0	57916.0	1.011845	Y
10	STD10 580-385060/7	1000.0	1072.057669	100.0	56044.0	1.072058	Y
11	STD11 580-385060/6	2000.0	2231.4378	100.0	57275.0	1.115719	Y
12	STD12 580-385060/5	5000.0	5605.331467	100.0	60715.0	1.121066	Y
13	STD13 580-385060/4	10000.0	11186.934074	100.0	63723.0	1.118693	Y



Calibration

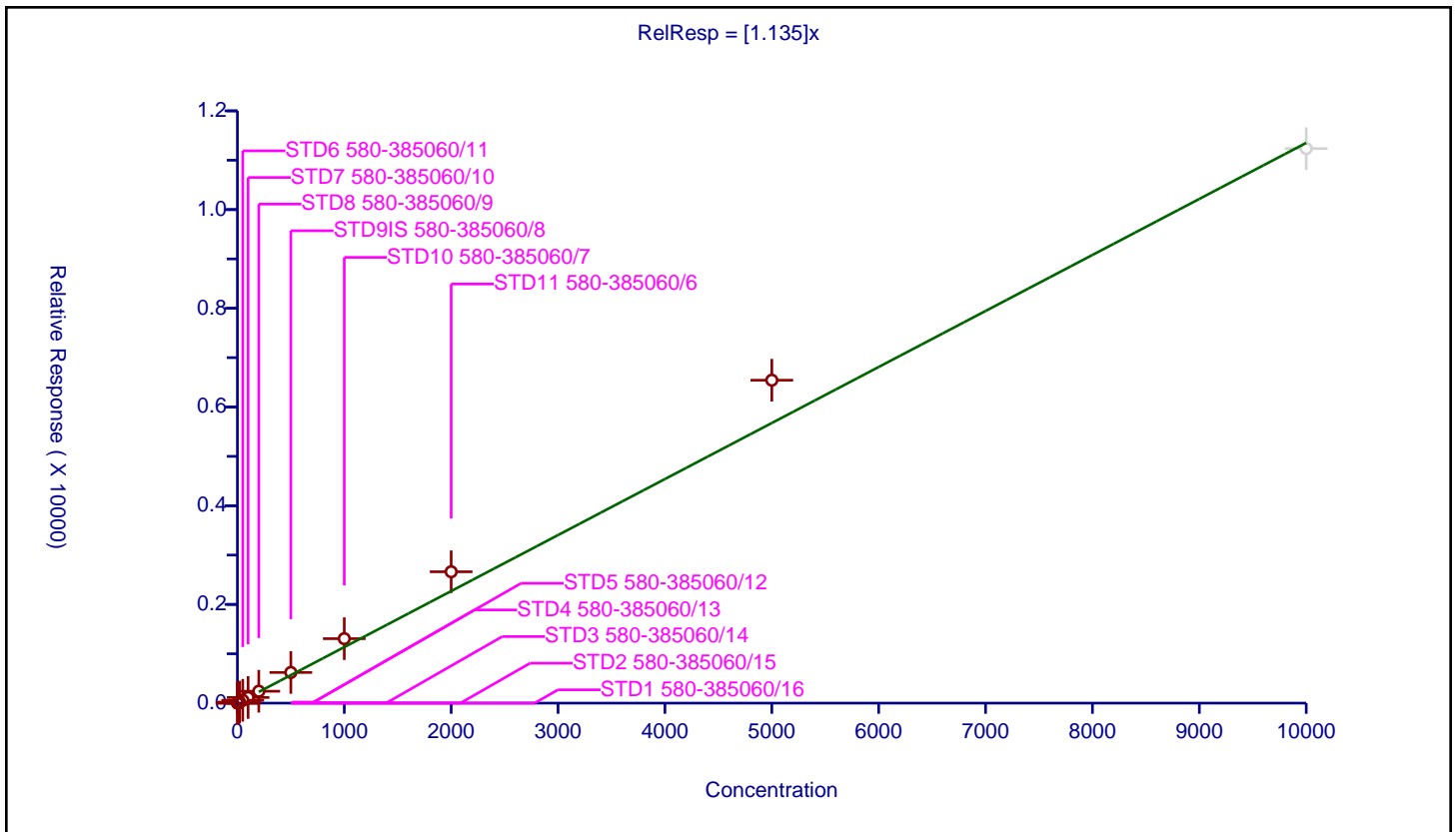
/ Fluoranthene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.135

Error Coefficients	
Standard Error:	1310000
Relative Standard Error:	13.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	0.907675	100.0	33382.0	0.907675	Y
2	STD2 580-385060/15	2.0	1.926204	100.0	36289.0	0.963102	Y
3	STD3 580-385060/14	5.0	4.894388	100.0	31199.0	0.978878	Y
4	STD4 580-385060/13	10.0	10.264182	100.0	35960.0	1.026418	Y
5	STD5 580-385060/12	20.0	21.09589	100.0	39420.0	1.054795	Y
6	STD6 580-385060/11	50.0	57.367178	100.0	43178.0	1.147344	Y
7	STD7 580-385060/10	100.0	114.914677	100.0	45767.0	1.149147	Y
8	STD8 580-385060/9	200.0	240.983414	100.0	51189.0	1.204917	Y
9	STD9IS 580-385060/8	500.0	621.553629	100.0	57916.0	1.243107	Y
10	STD10 580-385060/7	1000.0	1306.448505	100.0	56044.0	1.306449	Y
11	STD11 580-385060/6	2000.0	2661.880402	100.0	57275.0	1.33094	Y
12	STD12 580-385060/5	5000.0	6542.982788	100.0	60715.0	1.308597	Y
13	STD13 580-385060/4	10000.0	11236.052917	100.0	63723.0	1.123605	N



Calibration

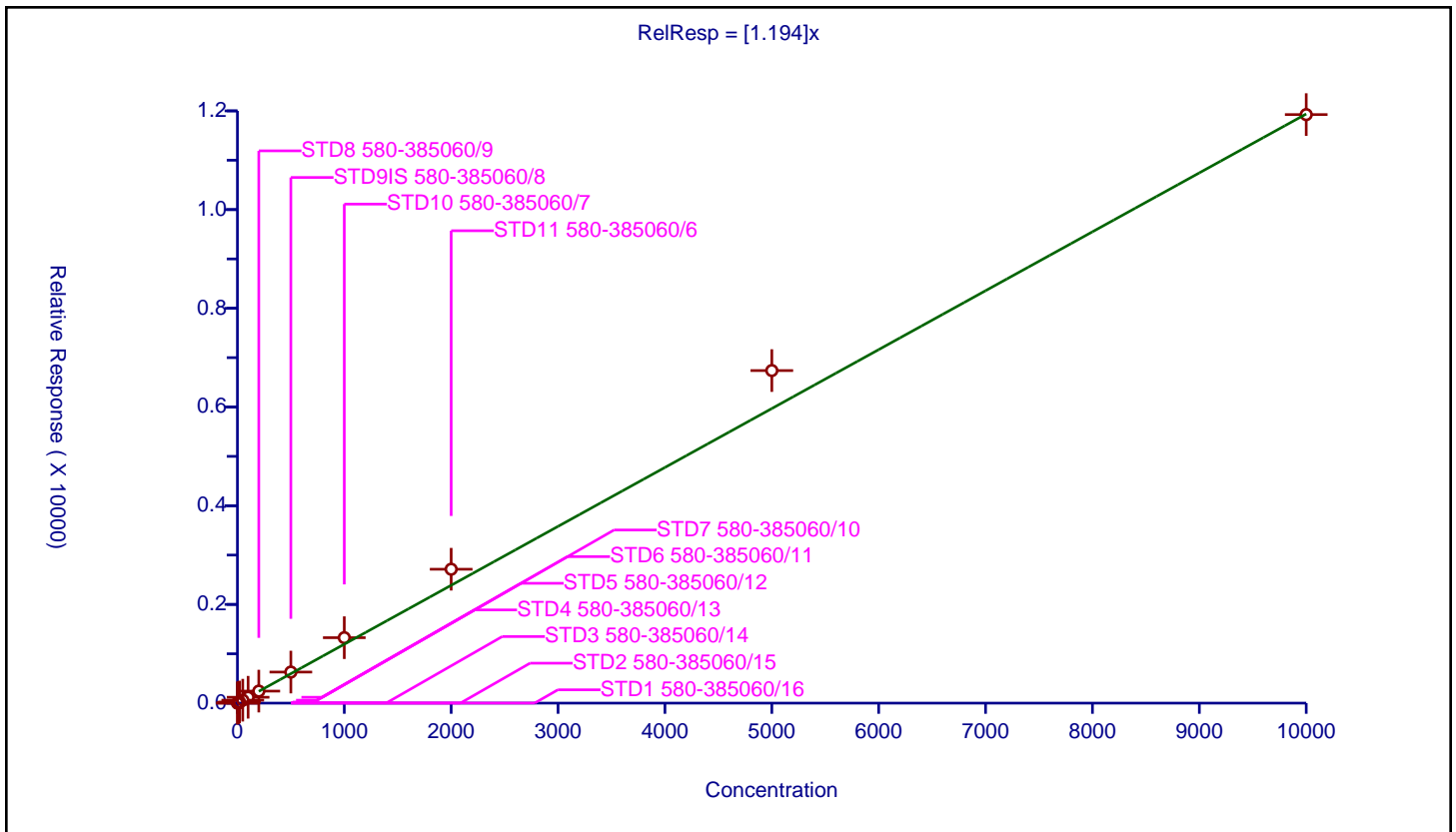
/ Pyrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.194

Error Coefficients	
Standard Error:	2540000
Relative Standard Error:	9.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	1.177281	100.0	33382.0	1.177281	Y
2	STD2 580-385060/15	2.0	2.039185	100.0	36289.0	1.019593	Y
3	STD3 580-385060/14	5.0	5.093112	100.0	31199.0	1.018622	Y
4	STD4 580-385060/13	10.0	11.115128	100.0	35960.0	1.111513	Y
5	STD5 580-385060/12	20.0	22.300863	100.0	39420.0	1.115043	Y
6	STD6 580-385060/11	50.0	59.395989	100.0	43178.0	1.18792	Y
7	STD7 580-385060/10	100.0	119.03118	100.0	45767.0	1.190312	Y
8	STD8 580-385060/9	200.0	243.446834	100.0	51189.0	1.217234	Y
9	STD9IS 580-385060/8	500.0	629.506527	100.0	57916.0	1.259013	Y
10	STD10 580-385060/7	1000.0	1325.979587	100.0	56044.0	1.32598	Y
11	STD11 580-385060/6	2000.0	2713.129638	100.0	57275.0	1.356565	Y
12	STD12 580-385060/5	5000.0	6738.595075	100.0	60715.0	1.347719	Y
13	STD13 580-385060/4	10000.0	11924.714781	100.0	63723.0	1.192471	Y



Calibration

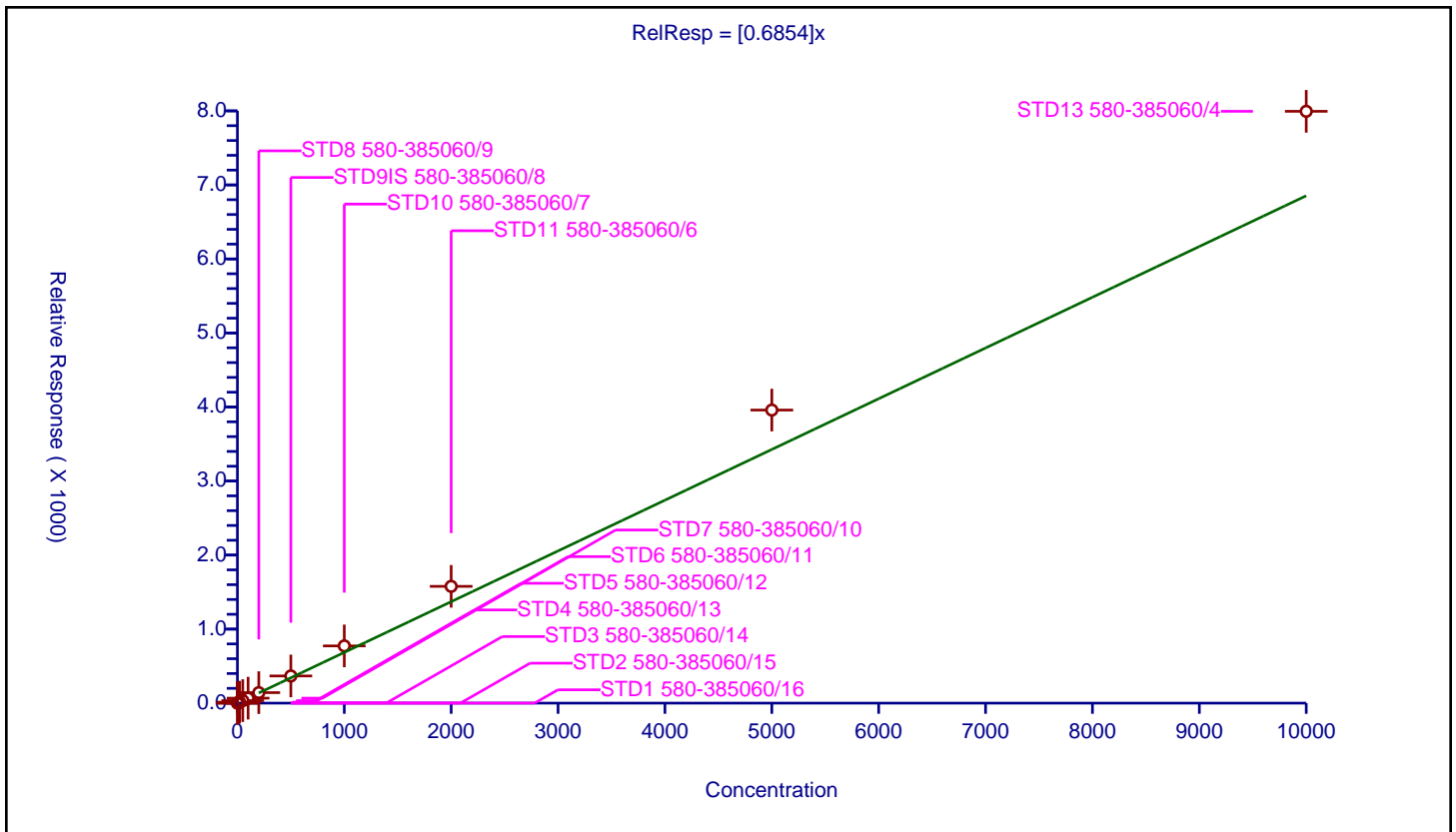
/ Terphenyl-d14

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6854

Error Coefficients	
Standard Error:	1650000
Relative Standard Error:	13.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	0.569169	100.0	33382.0	0.569169	Y
2	STD2 580-385060/15	2.0	1.173909	100.0	36289.0	0.586955	Y
3	STD3 580-385060/14	5.0	2.833424	100.0	31199.0	0.566685	Y
4	STD4 580-385060/13	10.0	5.80089	100.0	35960.0	0.580089	Y
5	STD5 580-385060/12	20.0	13.150685	100.0	39420.0	0.657534	Y
6	STD6 580-385060/11	50.0	34.126175	100.0	43178.0	0.682524	Y
7	STD7 580-385060/10	100.0	67.04831	100.0	45767.0	0.670483	Y
8	STD8 580-385060/9	200.0	141.799996	100.0	51189.0	0.709	Y
9	STD9IS 580-385060/8	500.0	367.159334	100.0	57916.0	0.734319	Y
10	STD10 580-385060/7	1000.0	772.999786	100.0	56044.0	0.773	Y
11	STD11 580-385060/6	2000.0	1577.309472	100.0	57275.0	0.788655	Y
12	STD12 580-385060/5	5000.0	3958.672486	100.0	60715.0	0.791734	Y
13	STD13 580-385060/4	10000.0	7994.295623	100.0	63723.0	0.79943	Y



Calibration

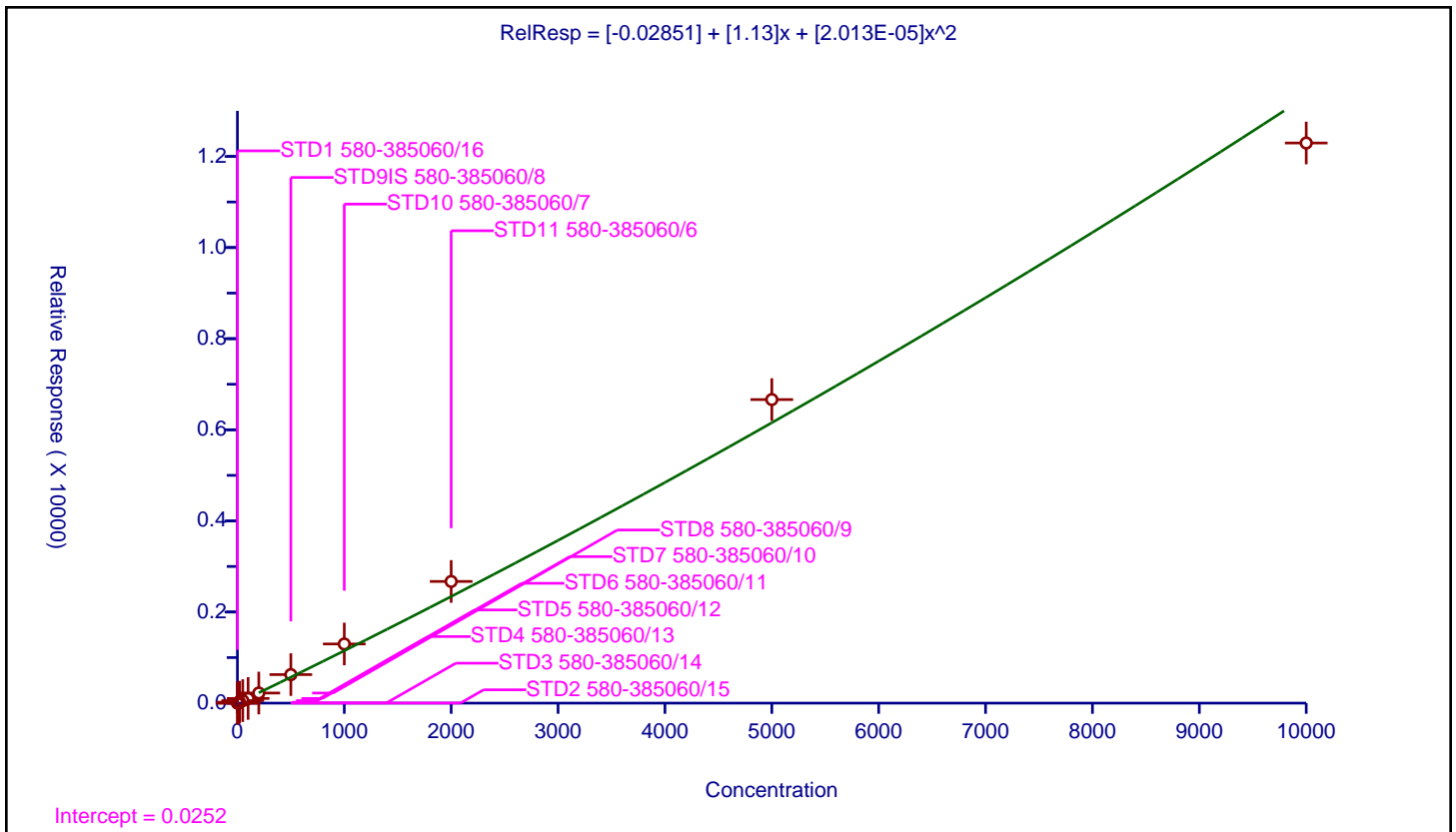
/ Benzo[a]anthracene

Curve Type: Quadratic
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.02851
Slope:	1.13
Second Order:	2.013E-05

Error Coefficients	
Standard Error:	2780000
Relative Standard Error:	9.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	1.188695	100.0	23387.0	1.188695	Y
2	STD2 580-385060/15	2.0	2.027525	100.0	25795.0	1.013762	Y
3	STD3 580-385060/14	5.0	4.962098	100.0	21503.0	0.99242	Y
4	STD4 580-385060/13	10.0	10.902031	100.0	26784.0	1.090203	Y
5	STD5 580-385060/12	20.0	20.913227	100.0	29675.0	1.045661	Y
6	STD6 580-385060/11	50.0	55.174384	100.0	33260.0	1.103488	Y
7	STD7 580-385060/10	100.0	102.885517	100.0	34136.0	1.028855	Y
8	STD8 580-385060/9	200.0	221.908031	100.0	40492.0	1.10954	Y
9	STD9IS 580-385060/8	500.0	626.268362	100.0	48606.0	1.252537	Y
10	STD10 580-385060/7	1000.0	1298.471079	100.0	49185.0	1.298471	Y
11	STD11 580-385060/6	2000.0	2670.736715	100.0	51146.0	1.335368	Y
12	STD12 580-385060/5	5000.0	6663.114813	100.0	56074.0	1.332623	Y
13	STD13 580-385060/4	10000.0	12294.825611	100.0	63737.0	1.229483	Y



Calibration

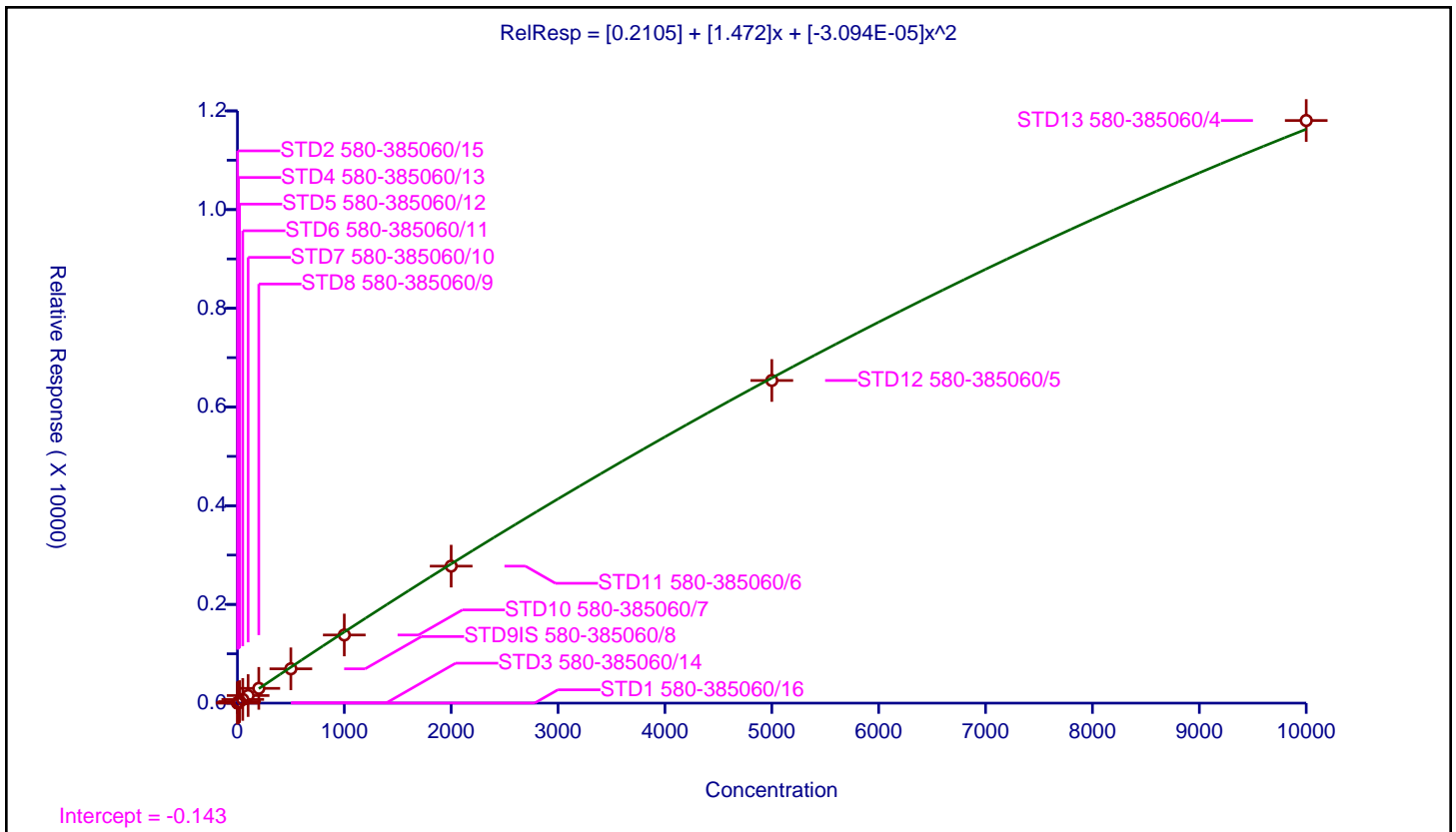
/ Chrysene

Curve Type: Quadratic
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0.2105
Slope:	1.472
Second Order:	-3.094E-05

Error Coefficients	
Standard Error:	2690000
Relative Standard Error:	5.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	1.646214	100.0	23387.0	1.646214	Y
2	STD2 580-385060/15	2.0	3.39213	100.0	25795.0	1.696065	Y
3	STD3 580-385060/14	5.0	6.840906	100.0	21503.0	1.368181	Y
4	STD4 580-385060/13	10.0	15.124701	100.0	26784.0	1.51247	Y
5	STD5 580-385060/12	20.0	31.059815	100.0	29675.0	1.552991	Y
6	STD6 580-385060/11	50.0	75.006013	100.0	33260.0	1.50012	Y
7	STD7 580-385060/10	100.0	153.319077	100.0	34136.0	1.533191	Y
8	STD8 580-385060/9	200.0	299.459152	100.0	40492.0	1.497296	Y
9	STD9IS 580-385060/8	500.0	695.214583	100.0	48606.0	1.390429	Y
10	STD10 580-385060/7	1000.0	1380.650605	100.0	49185.0	1.380651	Y
11	STD11 580-385060/6	2000.0	2775.908184	100.0	51146.0	1.387954	Y
12	STD12 580-385060/5	5000.0	6537.586047	100.0	56074.0	1.307517	Y
13	STD13 580-385060/4	10000.0	11805.230871	100.0	63737.0	1.180523	Y



Calibration

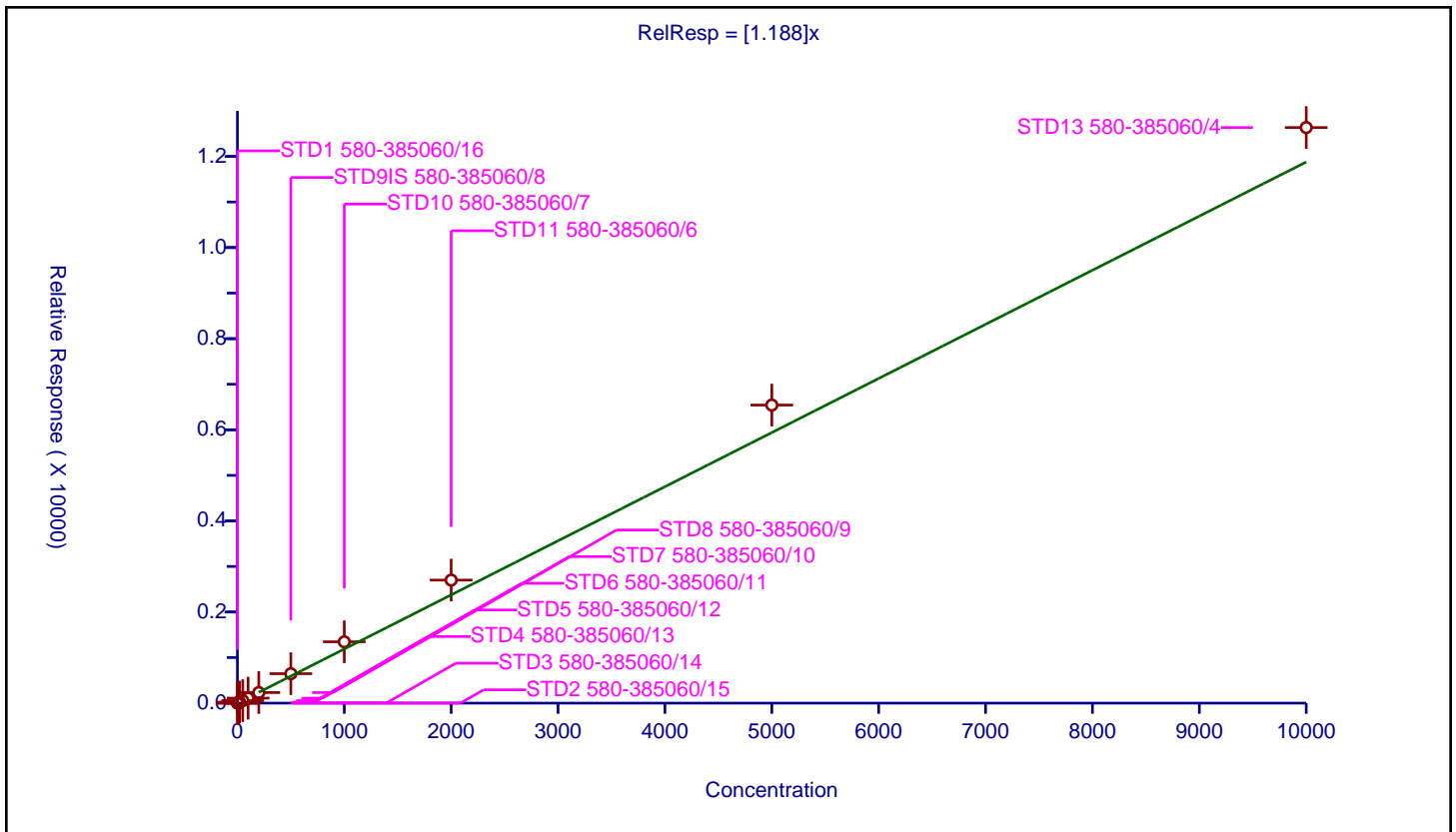
/ Benzo[b]fluoranthene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.188

Error Coefficients	
Standard Error:	2660000
Relative Standard Error:	9.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	1.234736	100.0	22029.0	1.234736	Y
2	STD2 580-385060/15	2.0	2.033983	100.0	23894.0	1.016992	Y
3	STD3 580-385060/14	5.0	5.216432	100.0	20838.0	1.043286	Y
4	STD4 580-385060/13	10.0	11.083481	100.0	25335.0	1.108348	Y
5	STD5 580-385060/12	20.0	22.348132	100.0	27886.0	1.117407	Y
6	STD6 580-385060/11	50.0	55.036459	100.0	31679.0	1.100729	Y
7	STD7 580-385060/10	100.0	109.635844	100.0	32898.0	1.096358	Y
8	STD8 580-385060/9	200.0	232.419936	100.0	38282.0	1.1621	Y
9	STD9IS 580-385060/8	500.0	646.026603	100.0	49693.0	1.292053	Y
10	STD10 580-385060/7	1000.0	1346.753711	100.0	47562.0	1.346754	Y
11	STD11 580-385060/6	2000.0	2700.926836	100.0	49847.0	1.350463	Y
12	STD12 580-385060/5	5000.0	6542.525493	100.0	58840.0	1.308505	Y
13	STD13 580-385060/4	10000.0	12633.925946	100.0	65304.0	1.263393	Y



Calibration

/ Benzo[k]fluoranthene

Curve Type: Quadratic
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

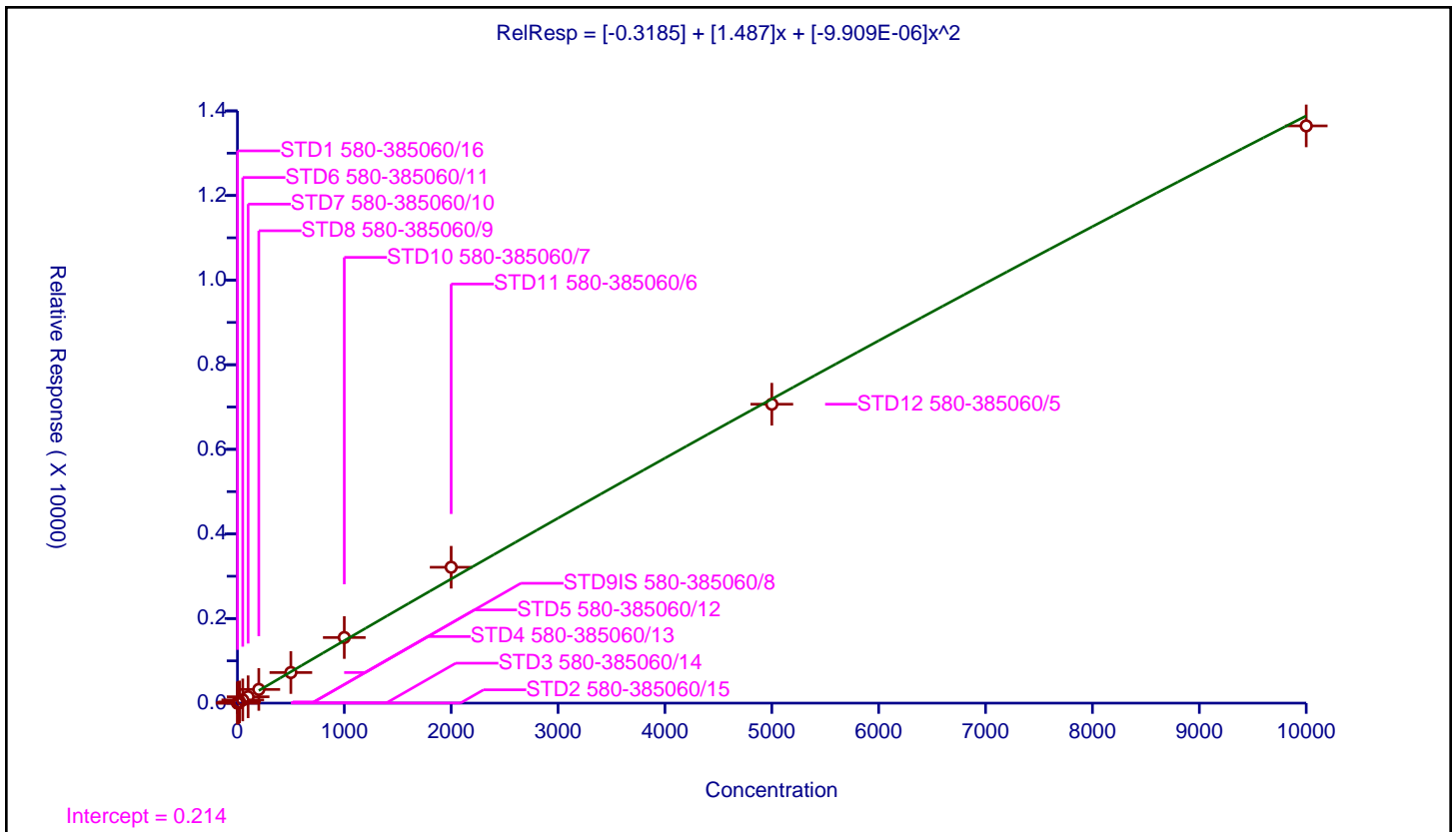
Curve Coefficients

Intercept: -0.3185
 Slope: 1.487
 Second Order: -9.909E-06

Error Coefficients

Standard Error: 3160000
 Relative Standard Error: 6.6
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	1.216578	100.0	22029.0	1.216578	Y
2	STD2 580-385060/15	2.0	2.615719	100.0	23894.0	1.30786	Y
3	STD3 580-385060/14	5.0	6.670506	100.0	20838.0	1.334101	Y
4	STD4 580-385060/13	10.0	12.871522	100.0	25335.0	1.287152	Y
5	STD5 580-385060/12	20.0	27.702073	100.0	27886.0	1.385104	Y
6	STD6 580-385060/11	50.0	75.614761	100.0	31679.0	1.512295	Y
7	STD7 580-385060/10	100.0	150.30397	100.0	32898.0	1.50304	Y
8	STD8 580-385060/9	200.0	324.068753	100.0	38282.0	1.620344	Y
9	STD9IS 580-385060/8	500.0	723.268871	100.0	49693.0	1.446538	Y
10	STD10 580-385060/7	1000.0	1551.000799	100.0	47562.0	1.551001	Y
11	STD11 580-385060/6	2000.0	3212.040845	100.0	49847.0	1.60602	Y
12	STD12 580-385060/5	5000.0	7066.430999	100.0	58840.0	1.413286	Y
13	STD13 580-385060/4	10000.0	13645.384663	100.0	65304.0	1.364538	Y



Calibration

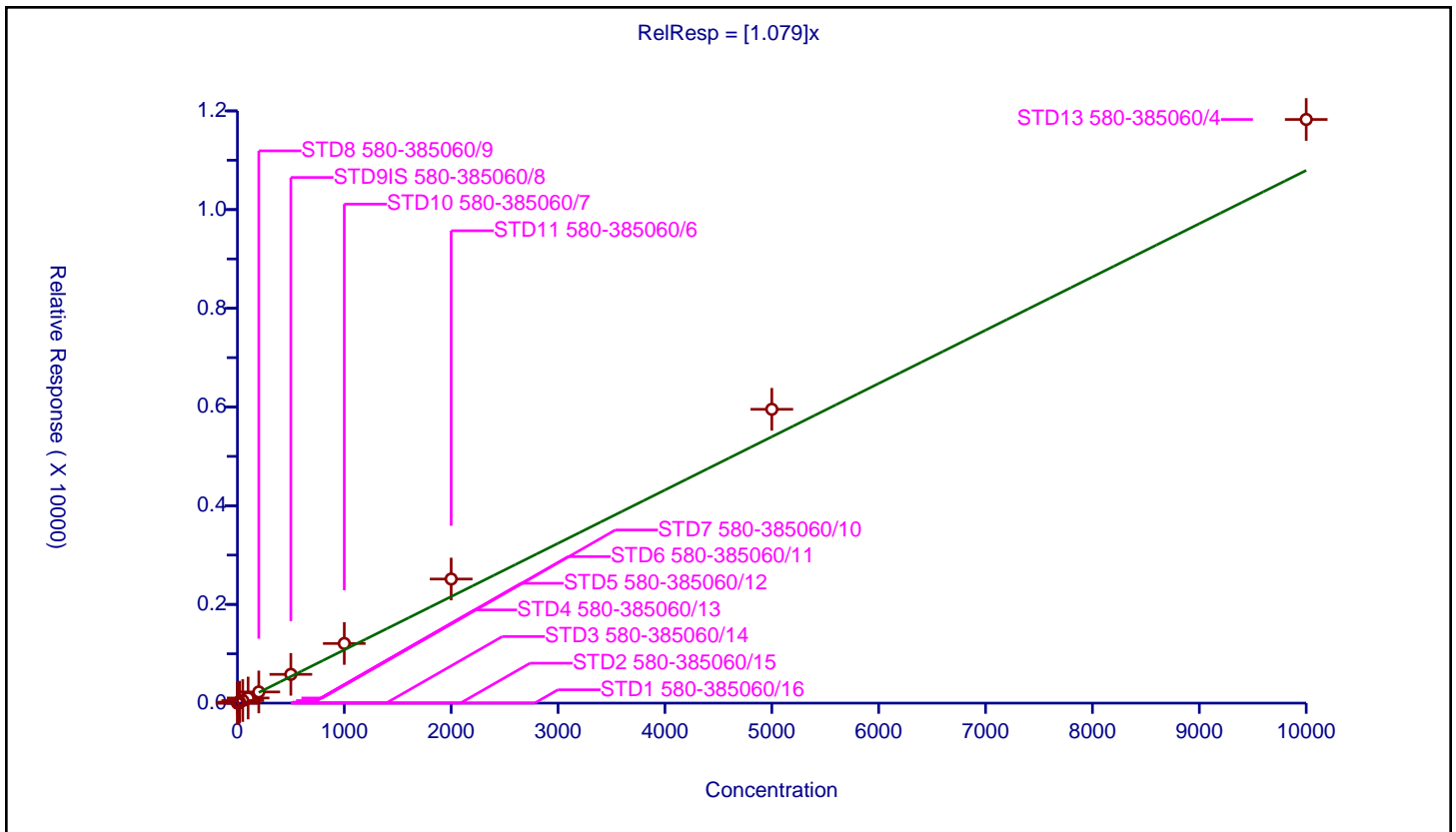
/ Benzo[a]pyrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.079

Error Coefficients	
Standard Error:	2480000
Relative Standard Error:	10.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	0.907894	100.0	22029.0	0.907894	Y
2	STD2 580-385060/15	2.0	1.849837	100.0	23894.0	0.924918	Y
3	STD3 580-385060/14	5.0	4.650158	100.0	20838.0	0.930032	Y
4	STD4 580-385060/13	10.0	10.26643	100.0	25335.0	1.026643	Y
5	STD5 580-385060/12	20.0	20.540773	100.0	27886.0	1.027039	Y
6	STD6 580-385060/11	50.0	51.930301	100.0	31679.0	1.038606	Y
7	STD7 580-385060/10	100.0	103.902973	100.0	32898.0	1.03903	Y
8	STD8 580-385060/9	200.0	226.6496	100.0	38282.0	1.133248	Y
9	STD9IS 580-385060/8	500.0	583.136458	100.0	49693.0	1.166273	Y
10	STD10 580-385060/7	1000.0	1208.771709	100.0	47562.0	1.208772	Y
11	STD11 580-385060/6	2000.0	2514.416113	100.0	49847.0	1.257208	Y
12	STD12 580-385060/5	5000.0	5953.851122	100.0	58840.0	1.19077	Y
13	STD13 580-385060/4	10000.0	11826.229634	100.0	65304.0	1.182623	Y



Calibration

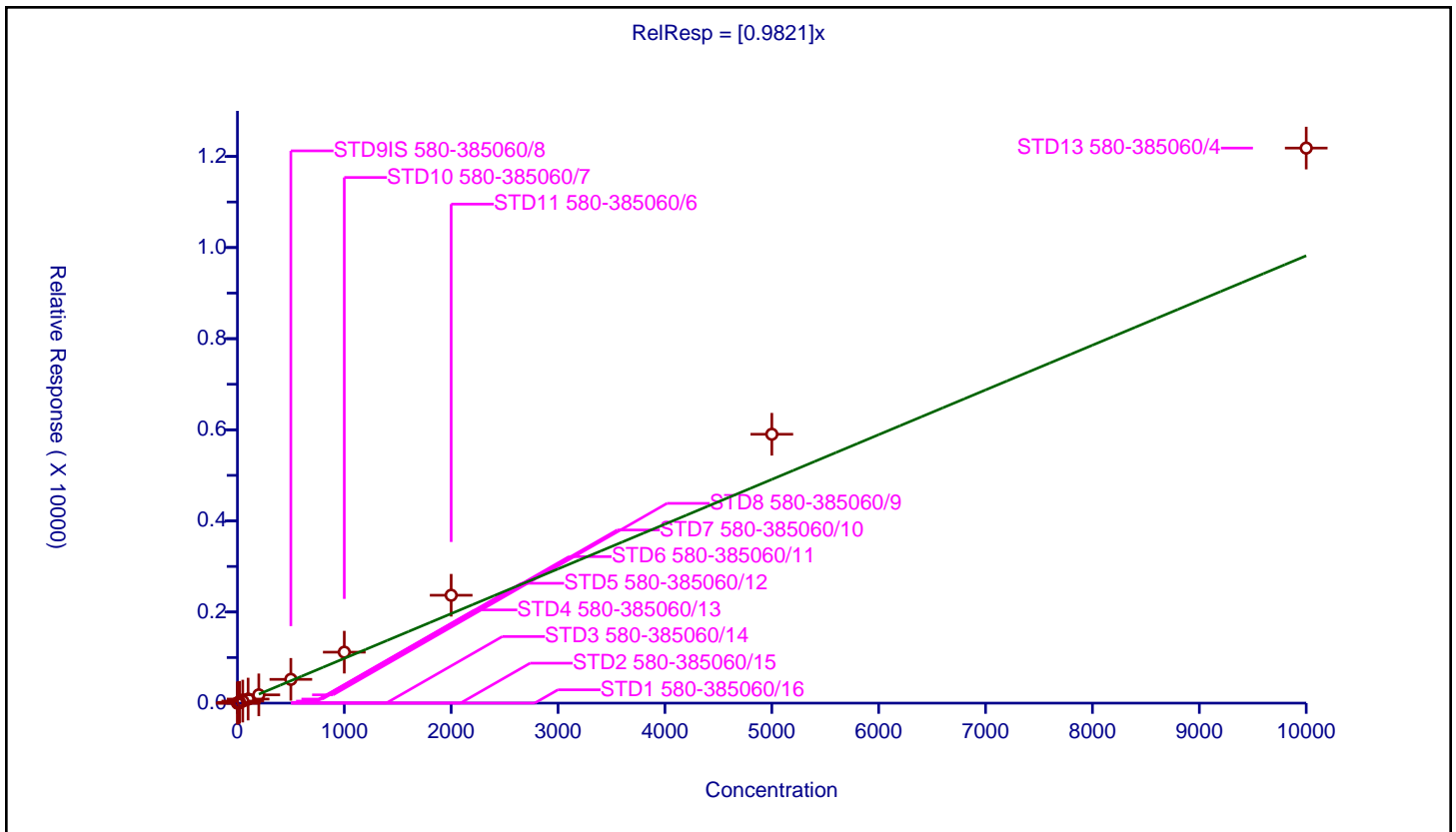
/ Indeno[1,2,3-cd]pyrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9821

Error Coefficients	
Standard Error:	2530000
Relative Standard Error:	14.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	0.907894	100.0	22029.0	0.907894	Y
2	STD2 580-385060/15	2.0	1.623839	100.0	23894.0	0.811919	Y
3	STD3 580-385060/14	5.0	4.352625	100.0	20838.0	0.870525	Y
4	STD4 580-385060/13	10.0	8.671798	100.0	25335.0	0.86718	Y
5	STD5 580-385060/12	20.0	17.485477	100.0	27886.0	0.874274	Y
6	STD6 580-385060/11	50.0	44.505824	100.0	31679.0	0.890116	Y
7	STD7 580-385060/10	100.0	89.394492	100.0	32898.0	0.893945	Y
8	STD8 580-385060/9	200.0	181.265347	100.0	38282.0	0.906327	Y
9	STD9IS 580-385060/8	500.0	521.81595	100.0	49693.0	1.043632	Y
10	STD10 580-385060/7	1000.0	1118.769185	100.0	47562.0	1.118769	Y
11	STD11 580-385060/6	2000.0	2367.927859	100.0	49847.0	1.183964	Y
12	STD12 580-385060/5	5000.0	5902.280761	100.0	58840.0	1.180456	Y
13	STD13 580-385060/4	10000.0	12183.752909	100.0	65304.0	1.218375	Y



Calibration

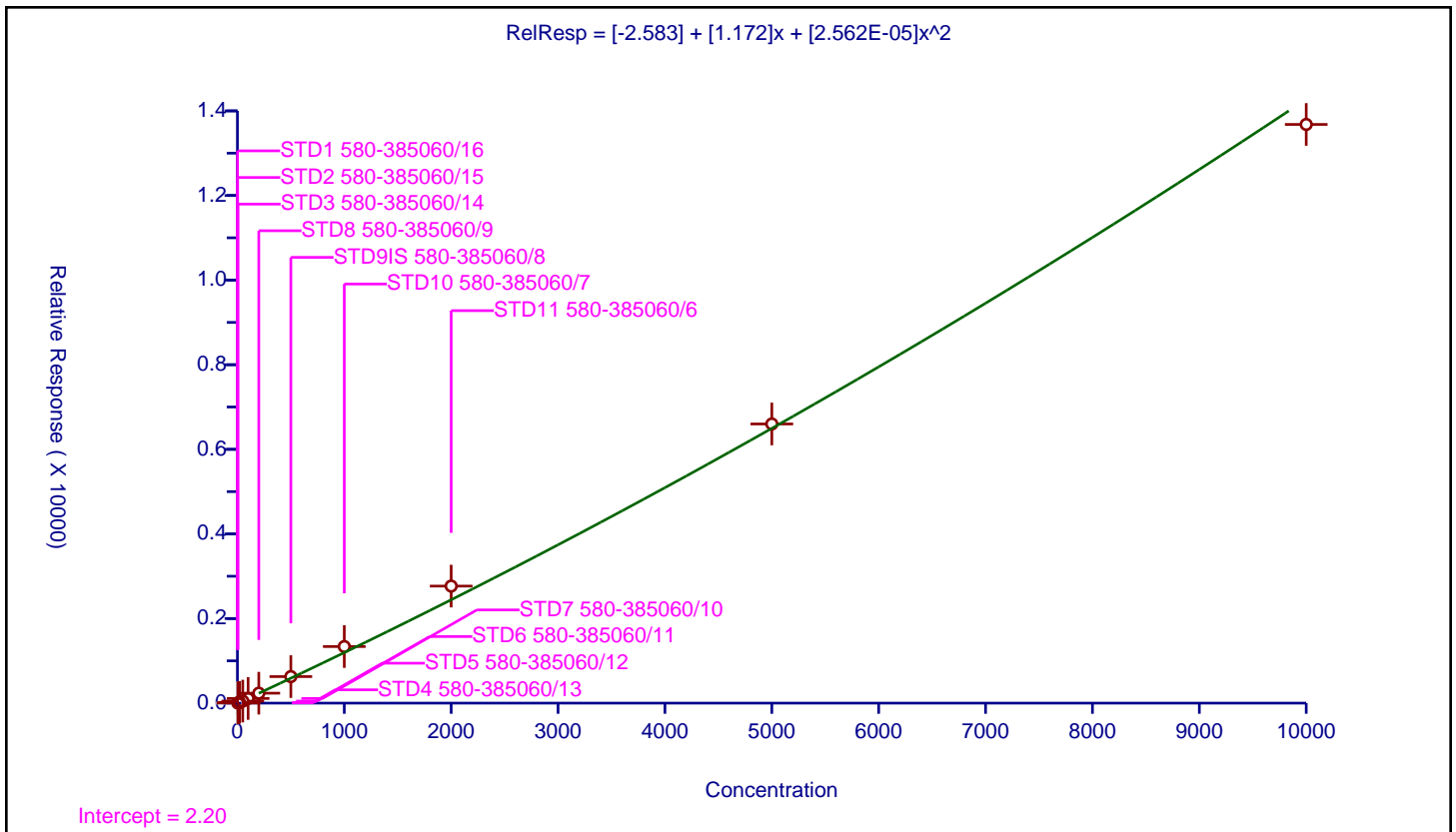
/ Dibenz(a,h)anthracene

Curve Type: Quadratic
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-2.583
Slope:	1.172
Second Order:	2.562E-05

Error Coefficients	
Standard Error:	3480000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	0.935131	100.0	22029.0	0.935131	N
2	STD2 580-385060/15	2.0	1.962836	100.0	23894.0	0.981418	N
3	STD3 580-385060/14	5.0	3.767156	100.0	20838.0	0.753431	Y
4	STD4 580-385060/13	10.0	8.324452	100.0	25335.0	0.832445	Y
5	STD5 580-385060/12	20.0	17.471132	100.0	27886.0	0.873557	Y
6	STD6 580-385060/11	50.0	48.394836	100.0	31679.0	0.967897	Y
7	STD7 580-385060/10	100.0	109.885099	100.0	32898.0	1.098851	Y
8	STD8 580-385060/9	200.0	235.272452	100.0	38282.0	1.176362	Y
9	STD9IS 580-385060/8	500.0	627.458596	100.0	49693.0	1.254917	Y
10	STD10 580-385060/7	1000.0	1337.347042	100.0	47562.0	1.337347	Y
11	STD11 580-385060/6	2000.0	2766.87263	100.0	49847.0	1.383436	Y
12	STD12 580-385060/5	5000.0	6599.25051	100.0	58840.0	1.31985	Y
13	STD13 580-385060/4	10000.0	13679.436175	100.0	65304.0	1.367944	Y



Calibration

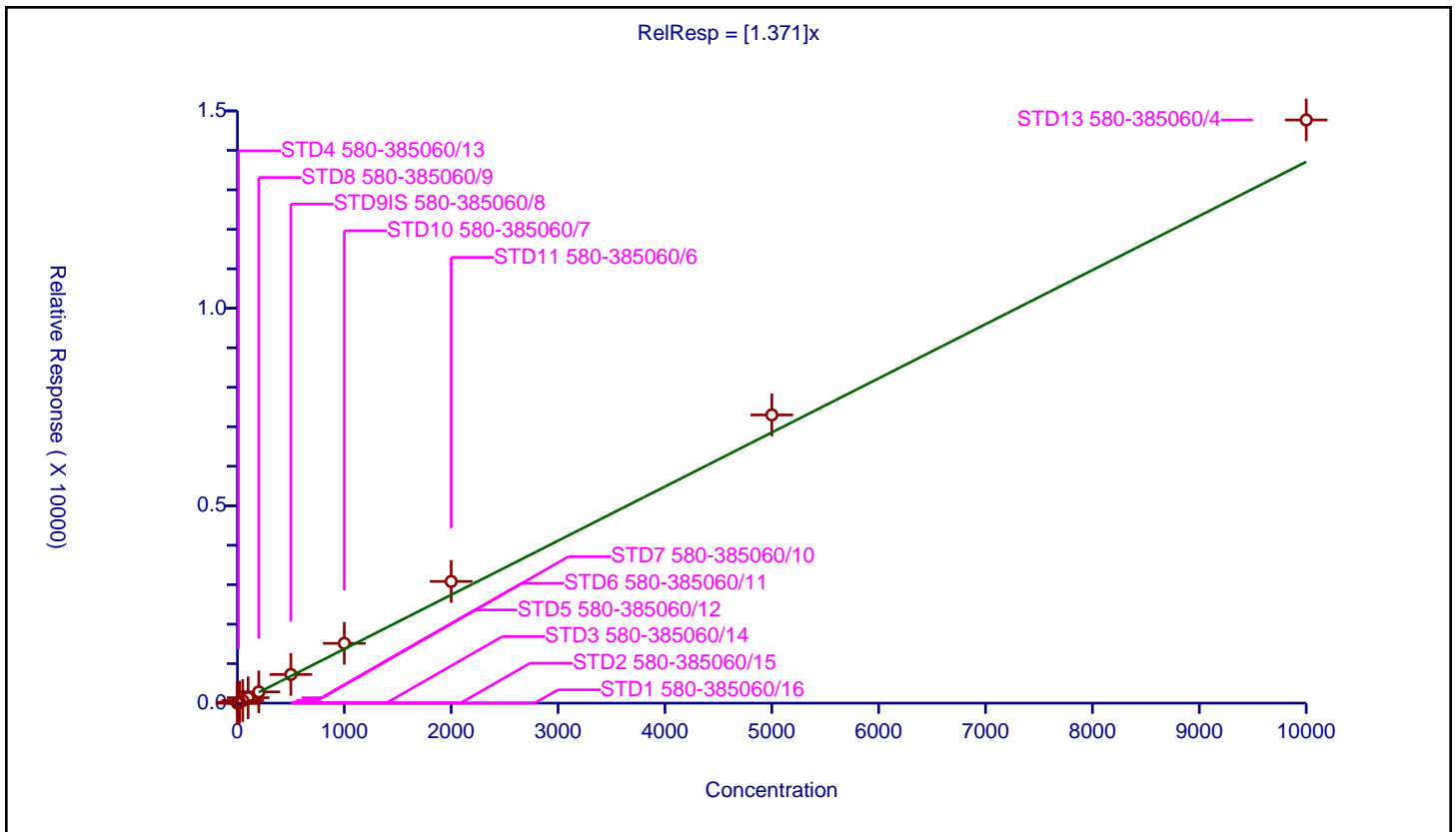
/ Benzo[g,h,i]perylene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.371

Error Coefficients	
Standard Error:	3080000
Relative Standard Error:	9.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-385060/16	1.0	1.302828	100.0	22029.0	1.302828	Y
2	STD2 580-385060/15	2.0	2.239056	100.0	23894.0	1.119528	Y
3	STD3 580-385060/14	5.0	6.324983	100.0	20838.0	1.264997	Y
4	STD4 580-385060/13	10.0	13.728044	100.0	25335.0	1.372804	Y
5	STD5 580-385060/12	20.0	24.653948	100.0	27886.0	1.232697	Y
6	STD6 580-385060/11	50.0	64.544335	100.0	31679.0	1.290887	Y
7	STD7 580-385060/10	100.0	136.99313	100.0	32898.0	1.369931	Y
8	STD8 580-385060/9	200.0	284.797033	100.0	38282.0	1.423985	Y
9	STD9IS 580-385060/8	500.0	726.732135	100.0	49693.0	1.453464	Y
10	STD10 580-385060/7	1000.0	1513.878727	100.0	47562.0	1.513879	Y
11	STD11 580-385060/6	2000.0	3082.408169	100.0	49847.0	1.541204	Y
12	STD12 580-385060/5	5000.0	7299.639701	100.0	58840.0	1.459928	Y
13	STD13 580-385060/4	10000.0	14770.046245	100.0	65304.0	1.477005	Y



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 378263

SDG No.: _____

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-378263/16	SIM011322b026.D
Level 2	STD2 580-378263/15	SIM011322b025.D
Level 3	STD3 580-378263/14	SIM011322b024.D
Level 4	STD4 580-378263/13	SIM011322b023.D
Level 5	STD5 580-378263/12	SIM011322b022.D
Level 6	STD6 580-378263/11	SIM011322b021.D
Level 7	STD7 580-378263/10	SIM011322b020.D
Level 8	STD8 580-378263/9	SIM011322b019.D
Level 9	STD9IS 580-378263/8	SIM011322b018.D
Level 10	STD10 580-378263/7	SIM011322b017.D
Level 11	STD11 580-378263/6	SIM011322b016.D
Level 12	STD12 580-378263/5	SIM011322b015.D
Level 13	STD13 580-378263/4	SIM011322b014.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10												
Naphthalene	+++++	1.1832	1.1041	1.0790	1.0850	Ave	1.057			0.7000	5.4		15.0				
	1.0572	1.0588	1.0251	1.0709	1.0433		7										
	0.9985	1.0347	0.9521														
2-Methylnaphthalene	0.5884	0.6568	0.6161	0.6029	0.6054	Ave	0.599			0.4000	3.7		15.0				
	0.5983	0.5949	0.5747	0.6011	0.5839		8										
	0.5702	0.6172	0.5877														
1-Methylnaphthalene	0.6414	0.6382	0.5889	0.5793	0.5850	Ave	0.581			0.4000	5.1		15.0				
	0.5715	0.5660	0.5479	0.5724	0.5639		0										
	0.5489	0.5912	0.5584														
Acenaphthylene	2.1933	2.2176	2.0998	2.0636	2.0810	Ave	2.114			0.9000	3.4		15.0				
	2.0847	2.0859	2.0647	2.1743	2.1550		1										
	2.0927	2.2109	1.9604														
Acenaphthene	1.3777	1.4871	1.3472	1.3227	1.3258	Ave	1.326			0.9000	4.9		15.0				
	1.3094	1.2994	1.2867	1.3492	1.3221		7										
	1.2729	1.3461	1.2012														
Fluorene	1.6312	1.6605	1.5052	1.4255	1.3820	Ave	1.479			0.9000	6.0		15.0				
	1.4001	1.4402	1.4316	1.5164	1.4840		1										
	1.4385	1.5298	1.3835														
Pentachlorophenol	+++++	+++++	+++++	+++++	+++++	Qua2	-8.15	0.098	0.0000251	0.0500	11.5			0.9900		0.9900	
	0.0267	0.0513	0.0753	0.1234	0.1625		7	4									
	0.1875	+++++	+++++														

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 378263

SDG No.: _____

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10												
Phenanthrene	++++ 1.2641 1.2329	1.9506 1.2773 1.3063	1.6138 1.2434 1.1734	1.3764 1.3095	1.2980 1.2965	Lin2	1.430 8	1.255 9		0.7000	3.7			0.9990		0.9900	
Anthracene	2.3820 1.2487 1.2527	1.9058 1.2352 1.3644	1.5794 1.2133 1.2394	1.3535 1.2985	1.3007 1.3025	Lin2	1.153 0	1.269 1		0.7000	4.3			0.9980		0.9900	
Fluoranthene	++++ 1.2430 1.2352	1.9679 1.2716 1.3153	1.6023 1.2115 1.2282	1.3090 1.2759	1.2387 1.2900	Lin2	1.461 6	1.240 8		0.6000	4.3			0.9980		0.9900	
Pyrene	++++ 1.2713 1.3202	2.1057 1.4006 1.3881	1.7542 1.2627 1.2825	1.3340 1.3339	1.2928 1.3786	Lin2	1.619 9	1.307 1		0.6000	6.3			0.9960		0.9900	
Benzo[a]anthracene	++++ 1.3906 1.4783	2.4076 1.4431 1.5802	1.8197 1.4102 1.4117	1.5003 1.4876	1.4786 1.4927	Lin2	1.883 5	1.435 5		0.8000	5.2			0.9970		0.9900	
Chrysene	++++ 1.5543 1.4499	2.5777 1.5055 1.5809	1.9873 1.4653 1.4003	1.7937 1.5367	1.6080 1.4918	Lin2	2.224 0	1.497 9		0.7000	3.7			0.9990		0.9900	
Bis(2-ethylhexyl) phthalate	2.9082 1.7581 2.0475	2.3387 1.7970 2.2784	1.7627 1.7485 ++++	1.5692 1.8919	1.5986 1.9798	Qua2	1.189 9	1.685 8	0.0001352	0.0100	7.9			0.9940		0.9900	
Benzo[b]fluoranthene	2.3584 1.2545 1.3072	1.8766 1.2933 1.4464	1.5292 1.2494 1.3422	1.3045 1.3744	1.2677 1.3491	Lin2	1.061 7	1.303 7		0.7000	5.6			0.9970		0.9900	
Benzo[k]fluoranthene	2.5810 1.4037 1.4699	2.0639 1.4003 1.5369	1.7594 1.4405 1.4168	1.6926 1.4756	1.4542 1.4746	Lin2	1.153 0	1.460 9		0.7000	4.4			0.9980		0.9900	
Benzo[a]pyrene	2.3501 1.2237 1.3406	1.8881 1.2679 1.4407	1.5462 1.2822 1.3359	1.2619 1.3732	1.2323 1.3724	Lin2	1.061 4	1.300 8		0.7000	6.7			0.9950		0.9900	
Indeno[1,2,3-cd]pyrene	++++ 0.9867 1.1845	++++ 1.0590 1.2612	1.1426 1.0976 1.1694	0.9654 1.1885	0.9180 1.2046	Qua2	-0.22 7	1.088 4	0.0000155	0.5000	9.6			0.9910		0.9900	
Dibenz(a,h)anthracene	2.0285 1.2194 1.3192	1.6397 1.1007 1.4407	1.4496 1.2326 1.3355	1.2020 1.3262	1.1262 1.3471	Lin2	0.758 3	1.256 6		0.4000	8.8			0.9920		0.9900	

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 378263

SDG No.: _____

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10												
	LVL 11	LVL 12	LVL 13														
Benzo[g,h,i]perylene	2.3171	1.8996	1.6173	1.3605	1.3326	Lin2	0.976	1.361			0.5000	5.0		0.9970		0.9900	
	1.3097	1.3225	1.3625	1.4075	1.4232		6	8									
	1.3894	1.4769	1.3291														
2-methylnaphthalene-d10	0.5884	0.6591	0.5915	0.5911	0.5949	Ave		0.591				4.0	15.0				
	0.5882	0.5862	0.5683	0.5988	0.5880			6									
	0.5680	0.6035	0.5648														
2-Fluorobiphenyl	1.7194	1.7656	1.6869	1.6449	1.6462	Ave		1.600				6.2	15.0				
	1.6205	1.5973	1.5685	1.5881	1.5362			2									
	1.4710	1.5637	1.3939														
2,4,6-Tribromophenol	+++++	+++++	+++++	0.1887	0.2060	Qual	-1.44	0.266	0.0000102			13.0		1.0000		0.9900	
	0.1939	0.2361	0.2392	0.2681	0.2839		1	9									
	0.2875	0.3170	+++++														
Fluoranthene-d10 (Surr)	+++++	1.6405	1.3242	1.0806	1.0359	Lin2	1.214	1.031				4.7		0.9980		0.9900	
	1.0213	1.0561	0.9976	1.0563	1.0803		0	8									
	1.0469	1.1089	1.0122														
Terphenyl-d14	+++++	+++++	0.9976	0.8333	0.7379	Ave		0.801				9.4	15.0				
	0.7322	0.7825	0.7405	0.8193	0.8219			4									
	0.7756	0.8242	0.7508														

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 378263

SDG No.: _____

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-378263/16	SIM011322b026.D
Level 2	STD2 580-378263/15	SIM011322b025.D
Level 3	STD3 580-378263/14	SIM011322b024.D
Level 4	STD4 580-378263/13	SIM011322b023.D
Level 5	STD5 580-378263/12	SIM011322b022.D
Level 6	STD6 580-378263/11	SIM011322b021.D
Level 7	STD7 580-378263/10	SIM011322b020.D
Level 8	STD8 580-378263/9	SIM011322b019.D
Level 9	STD9IS 580-378263/8	SIM011322b018.D
Level 10	STD10 580-378263/7	SIM011322b017.D
Level 11	STD11 580-378263/6	SIM011322b016.D
Level 12	STD12 580-378263/5	SIM011322b015.D
Level 13	STD13 580-378263/4	SIM011322b014.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
Naphthalene	NPT	Ave	+++++	508	1258	2280	4620	+++++	2.00	5.00	10.0	20.0
			11320	24209	52945	118848	242151	50.0	100	200	500	1000
			455448	1129737	2265154			2000	5000	10000		
2-Methylnaphthalene	NPT	Ave	122	282	702	1274	2578	1.00	2.00	5.00	10.0	20.0
			6407	13602	29681	66711	135530	50.0	100	200	500	1000
			260099	673905	1398242			2000	5000	10000		
1-Methylnaphthalene	NPT	Ave	133	274	671	1224	2491	1.00	2.00	5.00	10.0	20.0
			6120	12942	28297	63527	130882	50.0	100	200	500	1000
			250376	645502	1328414			2000	5000	10000		
Acenaphthylene	ANT	Ave	199	422	1063	1947	4001	1.00	2.00	5.00	10.0	20.0
			10119	21750	48540	112225	237007	50.0	100	200	500	1000
			459226	1173013	2434168			2000	5000	10000		
Acenaphthene	ANT	Ave	125	283	682	1248	2549	1.00	2.00	5.00	10.0	20.0
			6356	13549	30250	69640	145402	50.0	100	200	500	1000
			279319	714176	1491471			2000	5000	10000		
Fluorene	ANT	Ave	148	316	762	1345	2657	1.00	2.00	5.00	10.0	20.0
			6796	15017	33656	78269	163209	50.0	100	200	500	1000
			315659	811630	1717929			2000	5000	10000		
Pentachlorophenol	CRY	Qua2	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
			304	1359	4235	15457	44279	100	200	400	1000	2000
			100947	+++++	+++++			4000	+++++	+++++		

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 378263

SDG No.: _____

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
			LVL 11	LVL 12	LVL 13		LVL 11	LVL 12	LVL 13			
Phenanthrene	PHN	Lin2	++++ 9336 422623	566 21252 1092665	1265 45268 2257550	1982 102631	3789 217890	++++ 50.0 2000	2.00 100 5000	5.00 200 10000	10.0 500	20.0 1000
Anthracene	PHN	Lin2	339 9222 429392	553 20551 1141218	1238 44171 2384546	1949 101772	3797 218902	1.00 50.0 2000	2.00 100 5000	5.00 200 10000	10.0 500	20.0 1000
Fluoranthene	PHN	Lin2	++++ 9180 423401	571 21157 1100144	1256 44105 2362929	1885 99999	3616 216797	++++ 50.0 2000	2.00 100 5000	5.00 200 10000	10.0 500	20.0 1000
Pyrene	PHN	Lin2	++++ 9389 452528	611 23304 1161089	1375 45971 2467420	1921 104547	3774 231682	++++ 50.0 2000	2.00 100 5000	5.00 200 10000	10.0 500	20.0 1000
Benzo[a]anthracene	CRY	Lin2	++++ 7909 398056	524 19122 1050296	1118 39640 2263685	1677 93139	3279 203397	++++ 50.0 2000	2.00 100 5000	5.00 200 10000	10.0 500	20.0 1000
Chrysene	CRY	Lin2	++++ 8840 390408	561 19950 1050734	1221 41189 2245321	2005 96213	3566 203276	++++ 50.0 2000	2.00 100 5000	5.00 200 10000	10.0 500	20.0 1000
Bis(2-ethylhexyl) phthalate	CRY	Qua2	301 9999 551318	509 23812 1514360	1083 49150 ++++	1754 118452	3545 269774	1.00 50.0 2000	2.00 100 5000	5.00 200 ++++	10.0 500	20.0 1000
Benzo[b]fluoranthene	PRY	Lin2	286 8556 408952	491 20162 1135616	1076 40711 2440243	1654 97903	3324 209981	1.00 50.0 2000	2.00 100 5000	5.00 200 10000	10.0 500	20.0 1000
Benzo[k]fluoranthene	PRY	Lin2	313 9574 459854	540 21829 1206698	1238 46936 2575872	2146 105112	3813 229502	1.00 50.0 2000	2.00 100 5000	5.00 200 10000	10.0 500	20.0 1000
Benzo[a]pyrene	PRY	Lin2	285 8346 419408	494 19766 1131186	1088 41778 2428829	1600 97822	3231 213598	1.00 50.0 2000	2.00 100 5000	5.00 200 10000	10.0 500	20.0 1000
Indeno[1,2,3-cd]pyrene	PRY	Qua2	++++ 6730 370557	++++ 16508 990249	804 35765 2126159	1224 84665	2407 187487	++++ 50.0 2000	++++ 100 5000	5.00 200 10000	10.0 500	20.0 1000
Dibenz(a,h)anthracene	PRY	Lin2	246 8317	429 17159	1020 40164	1524 94470	2953 209663	1.00 50.0	2.00 100	5.00 200	10.0 500	20.0 1000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 378263

SDG No.: _____

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)						
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10		
			LVL 11	LVL 12	LVL 13				LVL 11	LVL 12	LVL 13			
			412698	1131196	2428114					2000	5000	10000		
Benzo[g,h,i]perylene	PRY	Lin2	281	497	1138	1725	3494		1.00	2.00	5.00	10.0	20.0	
			8933	20616	44397	100263	221508	50.0	100	200	500	1000		
			434660	1159620	2416384			2000	5000	10000				
2-methylnaphthalene-d10	NPT	Ave	122	283	674	1249	2533	1.00	2.00	5.00	10.0	20.0		
			6298	13403	29353	66447	136490	50.0	100	200	500	1000		
			259103	658935	1343563			2000	5000	10000				
2-Fluorobiphenyl	ANT	Ave	156	336	854	1552	3165	1.00	2.00	5.00	10.0	20.0		
			7866	16655	36875	81972	168952	50.0	100	200	500	1000		
			322797	829635	1730752			2000	5000	10000				
2,4,6-Tribromophenol	ANT	Qual	+++++	+++++	+++++	178	396	+++++	+++++	+++++	10.0	20.0		
			941	2462	5623	13836	31220	50.0	100	200	500	1000		
			63090	168193	+++++			2000	5000	+++++				
Fluoranthene-d10 (Surr)	PHN	Lin2	+++++	476	1038	1556	3024	+++++	2.00	5.00	10.0	20.0		
			7543	17571	36319	82791	181549	50.0	100	200	500	1000		
			358856	927539	1947324			2000	5000	10000				
Terphenyl-d14	PHN	Ave	+++++	+++++	782	1200	2154	+++++	+++++	5.00	10.0	20.0		
			5408	13020	26958	64209	138125	50.0	100	200	500	1000		
			265872	689419	1444527			2000	5000	10000				

Curve Type Legend

Ave = Average ISTD
 Lin2 = Linear 1/conc^2 ISTD
 Qual = Quadratic 1/conc ISTD
 Qua2 = Quadratic 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 378263

SDG No.: _____

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-378263/16	SIM011322b026.D
Level 2	STD2 580-378263/15	SIM011322b025.D
Level 3	STD3 580-378263/14	SIM011322b024.D
Level 4	STD4 580-378263/13	SIM011322b023.D
Level 5	STD5 580-378263/12	SIM011322b022.D
Level 6	STD6 580-378263/11	SIM011322b021.D
Level 7	STD7 580-378263/10	SIM011322b020.D
Level 8	STD8 580-378263/9	SIM011322b019.D
Level 9	STD9IS 580-378263/8	SIM011322b018.D
Level 10	STD10 580-378263/7	SIM011322b017.D
Level 11	STD11 580-378263/6	SIM011322b016.D
Level 12	STD12 580-378263/5	SIM011322b015.D
Level 13	STD13 580-378263/4	SIM011322b014.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #	LVL 9 #	LVL 10 #	LVL 11 #	LVL 12 #	LVL 7	LVL 8	LVL 9	LVL 10	LVL 11	LVL 12
Naphthalene	+++++	11.9						50				
2-Methylnaphthalene	-1.9						50					
1-Methylnaphthalene	10.4						50					
Acenaphthylene	3.7						50					
Acenaphthene	3.8						50					
Fluorene	10.3						50					
Pentachlorophenol	+++++	+++++	+++++	+++++	+++++	7.1 +++++						50
Phenanthrene	+++++	-1.6						50				

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 378263

SDG No.: _____

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #	LVL 9 #	LVL 10 #	LVL 11 #	LVL 12 #	LVL 7	LVL 8	LVL 9	LVL 10	LVL 11	LVL 12
Anthracene	-3.2						50					
Fluoranthene	++++	-0.3						50				
Pyrene	++++	-0.9						50				
Benzo[a]anthracene	++++	2.1						50				
Chrysene	++++	-2.2						50				
Bis(2-ethylhexyl) phthalate	1.9						50					
	++++											
Benzo[b]fluoranthene	-0.5						50					
Benzo[k]fluoranthene	-2.2						50					
Benzo[a]pyrene	-0.9						50					
Indeno[1,2,3-cd]pyrene	++++	++++	9.1						50			
Dibenz(a,h)anthracene	1.1						50					
Benzo[g,h,i]perylene	-1.6						50					
2-methylnaphthalene-d10	-0.5						50					

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-111436-1 Analy Batch No.: 378263

SDG No.: _____

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #	LVL 9 #	LVL 10 #	LVL 11 #	LVL 12 #	LVL 7	LVL 8	LVL 9	LVL 10	LVL 11	LVL 12
2-Fluorobiphenyl	7.4						50					
2,4,6-Tribromophenol	+++++	+++++	+++++	24.6						30		
Fluoranthene-d10 (Surr)	+++++	0.2						50				
Terphenyl-d14	+++++	+++++	24.5						50			

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b014.D
 Lims ID: std13
 Client ID:
 Sample Type: IC Calib Level: 13
 Inject. Date: 14-Jan-2022 01:16:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 13
 Operator ID: jcm Instrument ID: TAC050
 Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 14-Jan-2022 15:42:07 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 09:57:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.175	5.175	0.000	89	23790	100.0	100.0	
* 2 Acenaphthene-d10	164	6.858	6.858	0.000	71	12417	100.0	100.0	
* 3 Phenanthrene-d10	188	8.323	8.323	0.000	56	19239	100.0	100.0	
* 4 Chrysene-d12	240	11.039	11.039	0.000	18	16035	100.0	100.0	
* 5 Perylene-d12	264	13.084	13.084	0.000	69	18181	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.814	5.814	0.000	67	1343563	10000	9546.4	
\$ 10 2-Fluorobiphenyl	172	6.197	6.197	0.000	0	1730752	10000	8710.6	
\$ 7 2,4,6-Tribromophenol	330	7.637	7.637	0.000	57	364048	10000	8339.9	
\$ 8 Fluoranthene-d10 (Surr)	212	9.510	9.510	0.000	69	1947324	10000	9808.5	
\$ 9 Terphenyl-d14	244	9.904	9.904	0.000	95	1444527	10000	9368.4	
11 Naphthalene	128	5.194	5.194	0.000	100	2265154	10000	9002.4	
12 2-Methylnaphthalene	141	5.846	5.846	0.000	97	1398242	10000	9798.6	
13 1-Methylnaphthalene	141	5.942	5.942	0.000	98	1328414	10000	9610.9	
14 Acenaphthylene	152	6.722	6.722	0.000	100	2434168	10000	9272.6	
15 Acenaphthene	153	6.889	6.889	0.000	95	1491471	10000	9053.5	
16 Fluorene	166	7.399	7.399	0.000	95	1717929	10000	9353.8	
17 Pentachlorophenol	266	8.134	8.134	0.000	98	677544	20000	11173	
18 Phenanthrene	178	8.346	8.346	0.000	100	2257550	10000	9342.3	
19 Anthracene	178	8.401	8.401	0.000	100	2384546	10000	9765.4	
20 Fluoranthene	202	9.530	9.530	0.000	52	2362929	10000	9897.3	
21 Pyrene	202	9.754	9.754	0.000	52	2467420	10000	9810.8	
22 Benzo[a]anthracene	228	11.026	11.026	0.000	95	2263685	10000	9832.7	M
23 Chrysene	228	11.071	11.071	0.000	99	2245321	10000	9346.7	
30 Bis(2-ethylhexyl) phthalate	149	11.902	11.902	0.000	0	3217562	10000	7450.6	
24 Benzo[b]fluoranthene	252	12.493	12.493	0.000	97	2440243	10000	10295	
25 Benzo[k]fluoranthene	252	12.534	12.534	0.000	95	2575872	10000	9697.4	
26 Benzo[a]pyrene	252	13.006	13.006	0.000	97	2428829	10000	10269	
27 Indeno[1,2,3-cd]pyrene	276	14.968	14.968	0.000	96	2126159	10000	9465.5	
28 Dibenz(a,h)anthracene	278	15.017	15.017	0.000	96	2428114	10000	10628	
29 Benzo[g,h,i]perylene	276	15.467	15.467	0.000	95	2416384	10000	9758.9	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

8270_ic_stk_00062

Amount Added: 100.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b014.D

Injection Date: 14-Jan-2022 01:16:30

Instrument ID: TAC050

Lims ID: std13

Client ID:

Operator ID: jcm

ALS Bottle#: 4

Worklist Smp#: 4

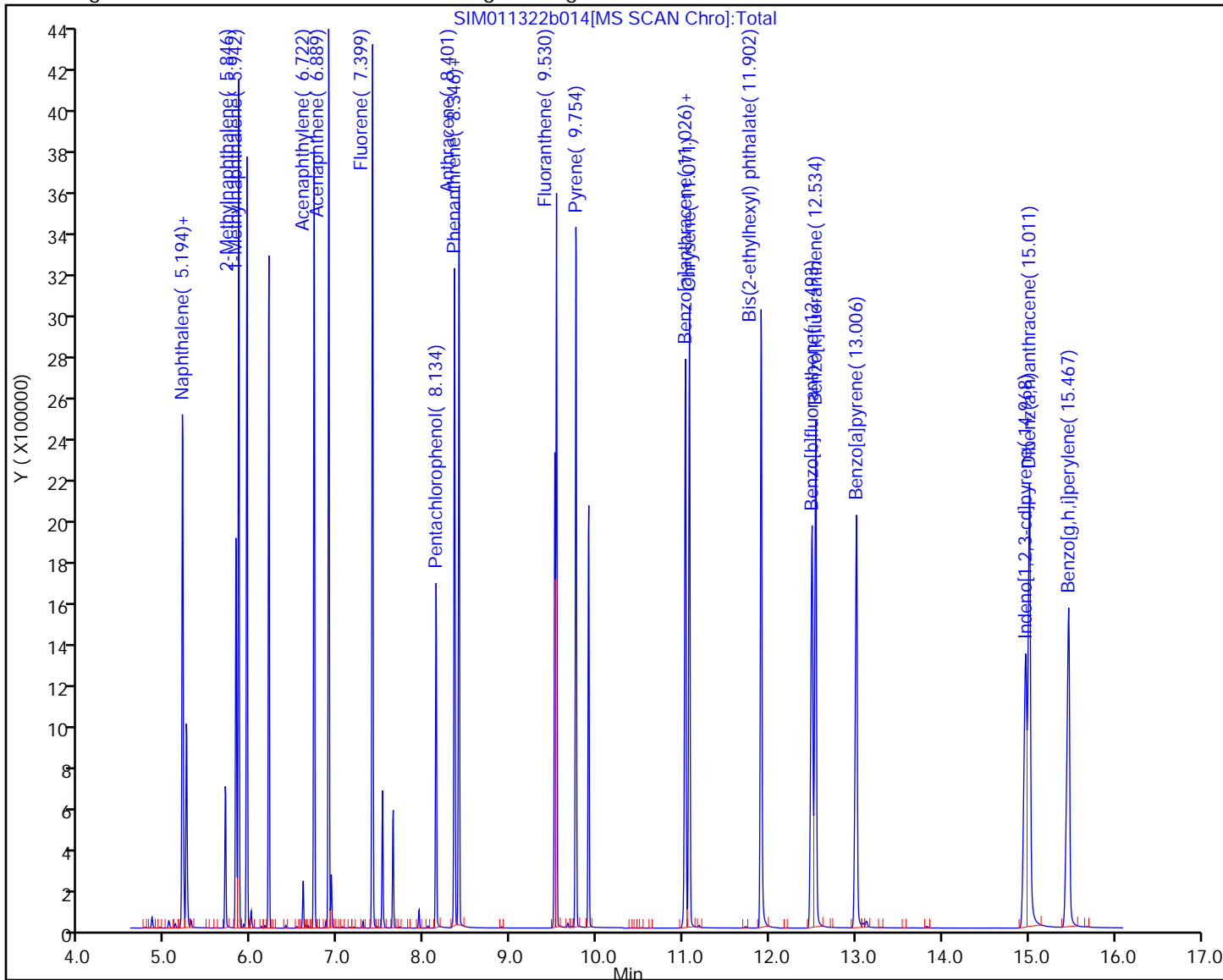
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

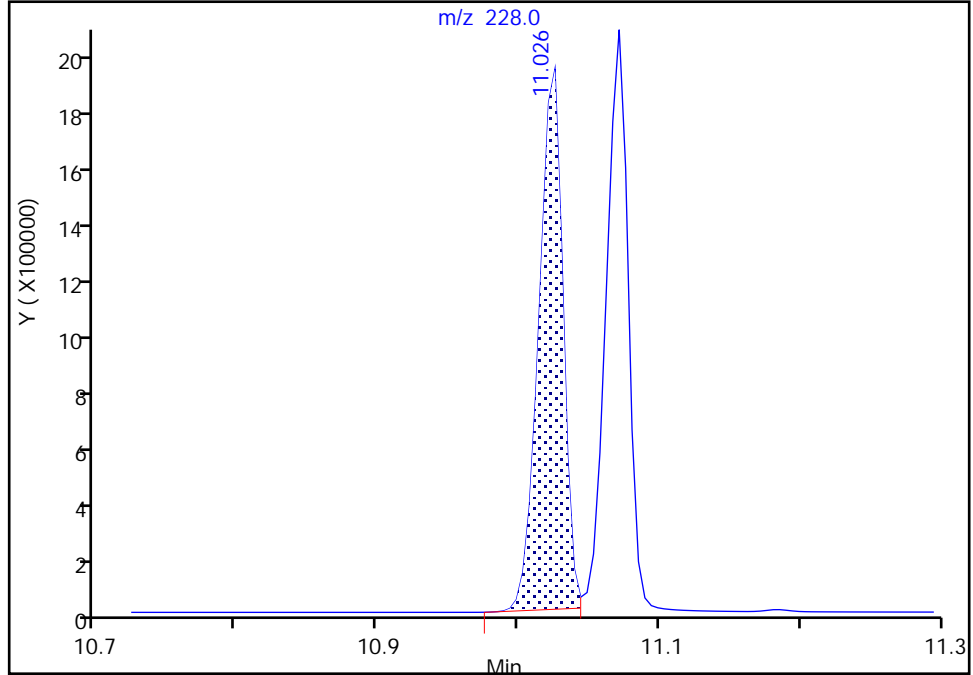
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b014.D
Injection Date: 14-Jan-2022 01:16:30 Instrument ID: TAC050
Lims ID: std13
Client ID:
Operator ID: jcm ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

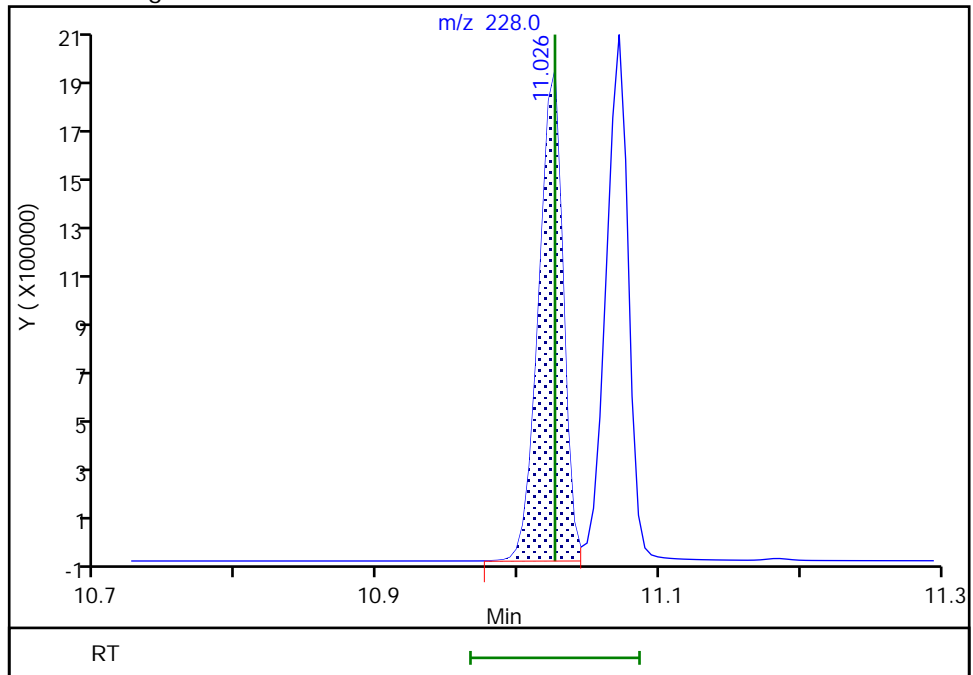
RT: 11.03
Area: 2231499
Amount: 9753.1502
Amount Units: ug/L

Processing Integration Results



RT: 11.03
Area: 2263685
Amount: 9832.6716
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 13:59:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b015.D
 Lims ID: std12
 Client ID:
 Sample Type: IC Calib Level: 12
 Inject. Date: 14-Jan-2022 01:35:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 12
 Operator ID: jcm Instrument ID: TAC050
 Sublist: chrom-TAC050_SIM_PAH*sub9
 Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 14-Jan-2022 15:42:08 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 09:58:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.175	5.175	0.000	90	21838	100.0	100.0	
* 2 Acenaphthene-d10	164	6.858	6.858	0.000	72	10611	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.323	-0.004	56	16729	100.0	100.0	
* 4 Chrysene-d12	240	11.035	11.039	-0.004	40	13293	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.084	-0.005	69	15703	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.814	5.814	0.000	67	658935	5000.0	5100.4	
\$ 10 2-Fluorobiphenyl	172	6.193	6.197	-0.004	0	829635	5000.0	4886.1	
\$ 7 2,4,6-Tribromophenol	330	7.632	7.637	-0.005	58	168193	5000.0	4994.1	
\$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.510	-0.004	69	927539	5000.0	5372.4	
\$ 9 Terphenyl-d14	244	9.900	9.904	-0.004	95	689419	5000.0	5142.1	
11 Naphthalene	128	5.194	5.194	0.000	100	1129737	5000.0	4891.3	
12 2-Methylnaphthalene	141	5.846	5.846	0.000	92	673905	5000.0	5144.7	
13 1-Methylnaphthalene	141	5.937	5.942	-0.005	99	645502	5000.0	5087.5	
14 Acenaphthylene	152	6.717	6.722	-0.005	100	1173013	5000.0	5228.9	
15 Acenaphthene	153	6.889	6.889	0.000	99	714176	5000.0	5073.0	
16 Fluorene	166	7.394	7.399	-0.005	96	811630	5000.0	5171.3	
17 Pentachlorophenol	266	8.130	8.134	-0.004	98	308802	10000	7873.5	
18 Phenanthrene	178	8.346	8.346	0.000	99	1092665	5000.0	5199.6	
19 Anthracene	178	8.397	8.401	-0.004	99	1141218	5000.0	5374.4	
20 Fluoranthene	202	9.526	9.530	-0.004	52	1100144	5000.0	5298.9	
21 Pyrene	202	9.750	9.754	-0.004	52	1161089	5000.0	5308.7	
22 Benzo[a]anthracene	228	11.017	11.026	-0.009	95	1050296	5000.0	5502.6	M
23 Chrysene	228	11.062	11.071	-0.009	99	1050734	5000.0	5275.5	
30 Bis(2-ethylhexyl) phthalate	149	11.898	11.902	-0.004	0	1514360	5000.0	4861.6	Ma
24 Benzo[b]fluoranthene	252	12.479	12.493	-0.014	98	1135616	5000.0	5546.5	
25 Benzo[k]fluoranthene	252	12.525	12.534	-0.009	95	1206698	5000.0	5259.4	
26 Benzo[a]pyrene	252	12.997	13.006	-0.009	97	1131186	5000.0	5537.0	
27 Indeno[1,2,3-cd]pyrene	276	14.951	14.968	-0.017	96	990249	5000.0	5380.8	
28 Dibenz(a,h)anthracene	278	14.995	15.017	-0.022	97	1131196	5000.0	5732.3	
29 Benzo[g,h,i]perylene	276	15.445	15.467	-0.022	96	1159620	5000.0	5422.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270_ic_stk_00062

Amount Added: 50.00

Units: uL

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b015.D

Injection Date: 14-Jan-2022 01:35:30

Instrument ID: TAC050

Lims ID: std12

Client ID:

Operator ID: jcm

ALS Bottle#: 5

Worklist Smp#: 5

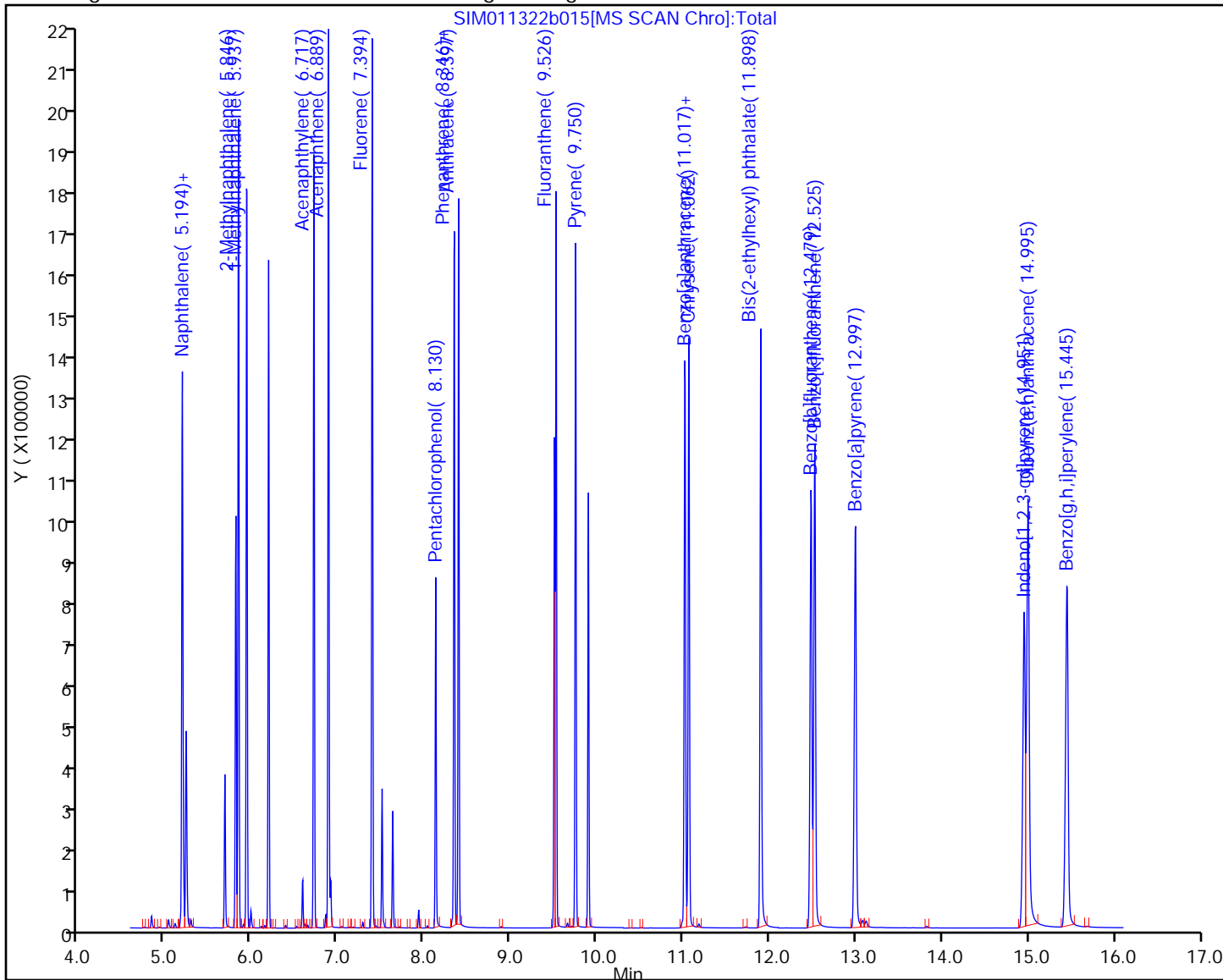
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

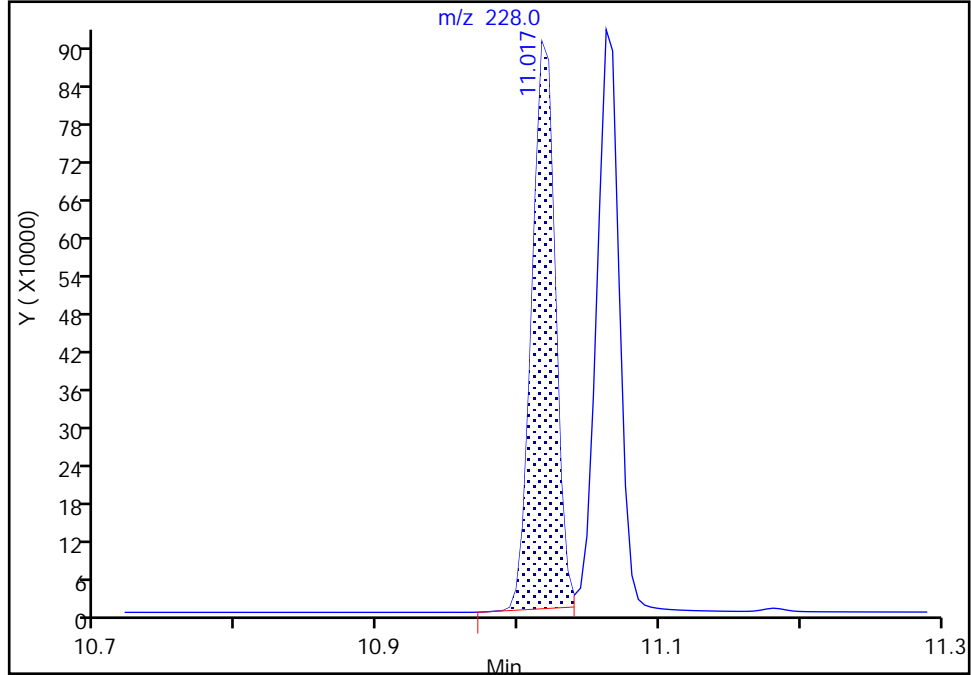
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b015.D
Injection Date: 14-Jan-2022 01:35:30 Instrument ID: TAC050
Lims ID: std12
Client ID:
Operator ID: jcm ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

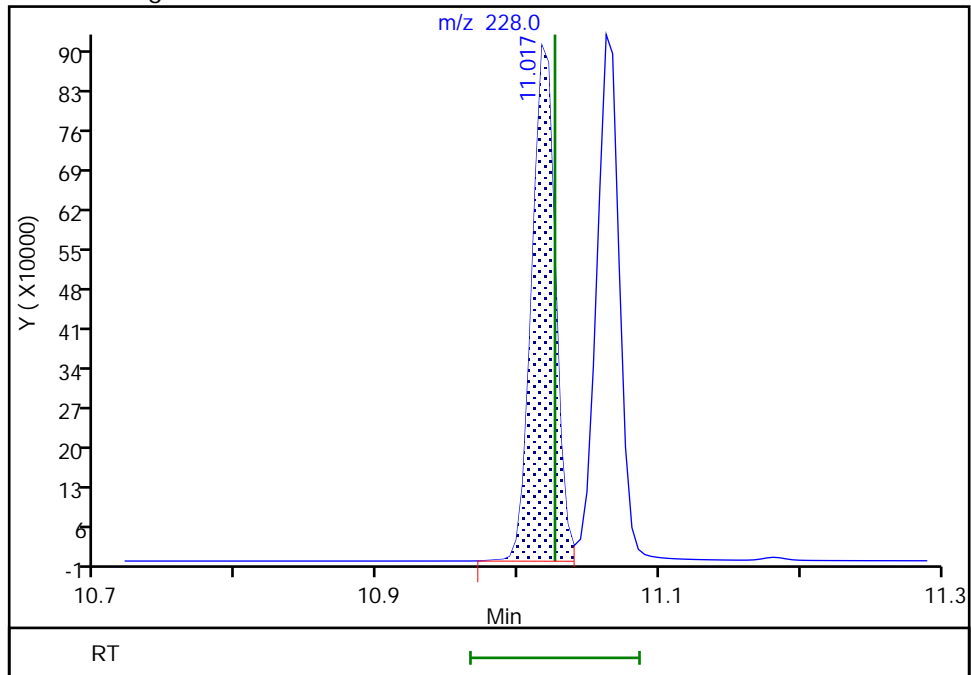
RT: 11.02
Area: 1031944
Amount: 5429.8812
Amount Units: ug/L

Processing Integration Results



RT: 11.02
Area: 1050296
Amount: 5502.5959
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 13:59:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

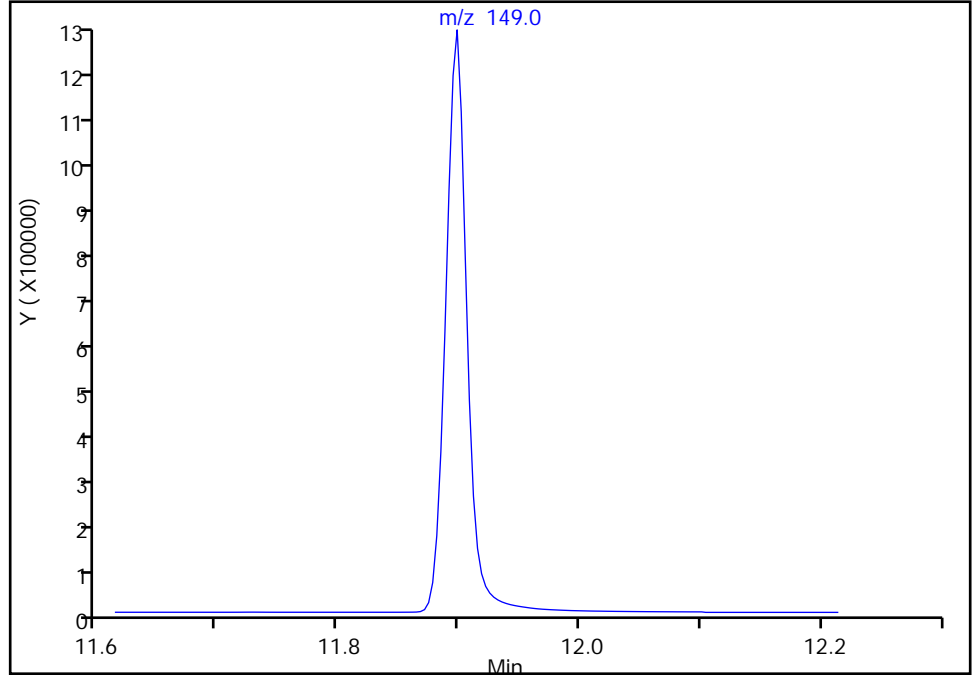
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b015.D
Injection Date: 14-Jan-2022 01:35:30 Instrument ID: TAC050
Lims ID: std12
Client ID:
Operator ID: jcm ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

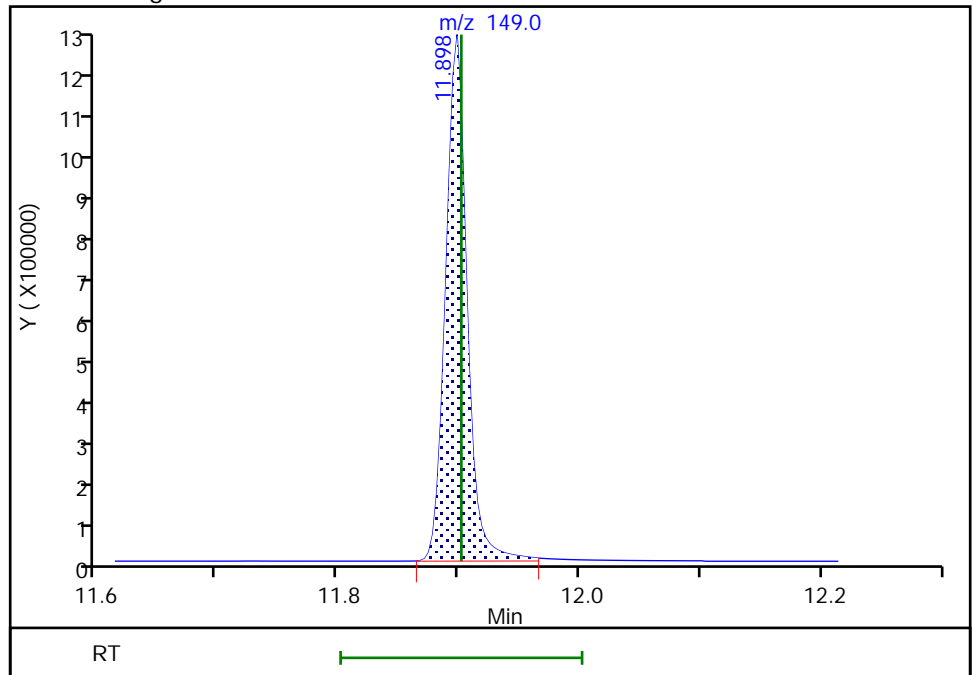
Not Detected
Expected RT: 11.90

Processing Integration Results



Manual Integration Results

RT: 11.90
Area: 1514360
Amount: 4861.6112
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 13:58:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b016.D
 Lims ID: std11
 Client ID:
 Sample Type: IC Calib Level: 11
 Inject. Date: 14-Jan-2022 01:54:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 11
 Operator ID: jcm Instrument ID: TAC050
 Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 14-Jan-2022 15:42:10 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 09:59:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.175	-0.004	90	22807	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.858	-0.004	70	10972	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.323	-0.004	56	17139	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.039	-0.009	57	13463	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.084	-0.005	69	15642	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.814	5.814	0.000	67	259103	2000.0	1920.3	
\$ 10 2-Fluorobiphenyl	172	6.193	6.197	-0.004	0	322797	2000.0	1838.5	
\$ 7 2,4,6-Tribromophenol	330	7.628	7.637	-0.009	59	63090	2000.0	2006.5	
\$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.510	-0.004	68	358856	2000.0	2028.1	
\$ 9 Terphenyl-d14	244	9.896	9.904	-0.008	96	265872	2000.0	1935.6	
11 Naphthalene	128	5.194	5.194	0.000	100	455448	2000.0	1888.1	
12 2-Methylnaphthalene	141	5.841	5.846	-0.005	96	260099	2000.0	1901.3	
13 1-Methylnaphthalene	141	5.937	5.942	-0.005	98	250376	2000.0	1889.5	
14 Acenaphthylene	152	6.717	6.722	-0.005	100	459226	2000.0	1979.7	
15 Acenaphthene	153	6.885	6.889	-0.004	96	279319	2000.0	1918.8	
16 Fluorene	166	7.394	7.399	-0.005	93	315659	2000.0	1945.0	
17 Pentachlorophenol	266	8.126	8.134	-0.008	97	100947	4000.0	3873.9	
18 Phenanthrene	178	8.342	8.346	-0.004	100	422623	2000.0	1962.3	
19 Anthracene	178	8.393	8.401	-0.008	100	429392	2000.0	1973.2	
20 Fluoranthene	202	9.522	9.530	-0.008	52	423401	2000.0	1989.8	
21 Pyrene	202	9.750	9.754	-0.004	51	452528	2000.0	2018.8	
22 Benzo[a]anthracene	228	11.017	11.026	-0.009	95	398056	2000.0	2058.3	M
23 Chrysene	228	11.058	11.071	-0.013	99	390408	2000.0	1934.5	
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.902	-0.007	0	551318	2000.0	2081.1	Ma
24 Benzo[b]fluoranthene	252	12.475	12.493	-0.018	97	408952	2000.0	2004.7	
25 Benzo[k]fluoranthene	252	12.516	12.534	-0.018	96	459854	2000.0	2011.6	
26 Benzo[a]pyrene	252	12.988	13.006	-0.018	97	419408	2000.0	2060.4	
27 Indeno[1,2,3-cd]pyrene	276	14.941	14.968	-0.027	96	370557	2000.0	2113.1	
28 Dibenz(a,h)anthracene	278	14.989	15.017	-0.028	96	412698	2000.0	2099.1	
29 Benzo[g,h,i]perylene	276	15.434	15.467	-0.033	95	434660	2000.0	2039.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270_ic_stk_00062

Amount Added: 20.00

Units: uL

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b016.D

Injection Date: 14-Jan-2022 01:54:30

Instrument ID: TAC050

Lims ID: std11

Client ID:

Operator ID: jcm

ALS Bottle#: 6

Worklist Smp#: 6

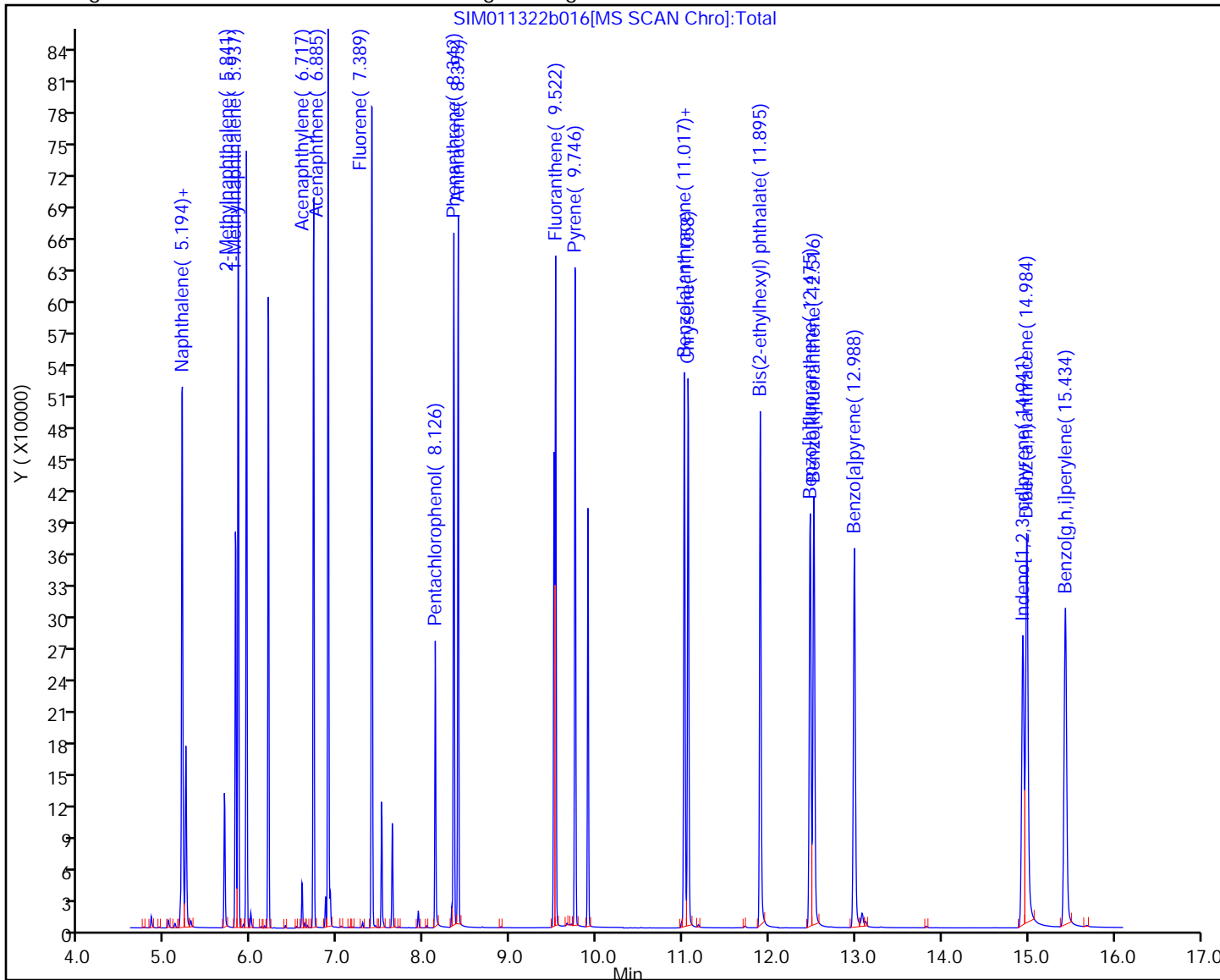
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

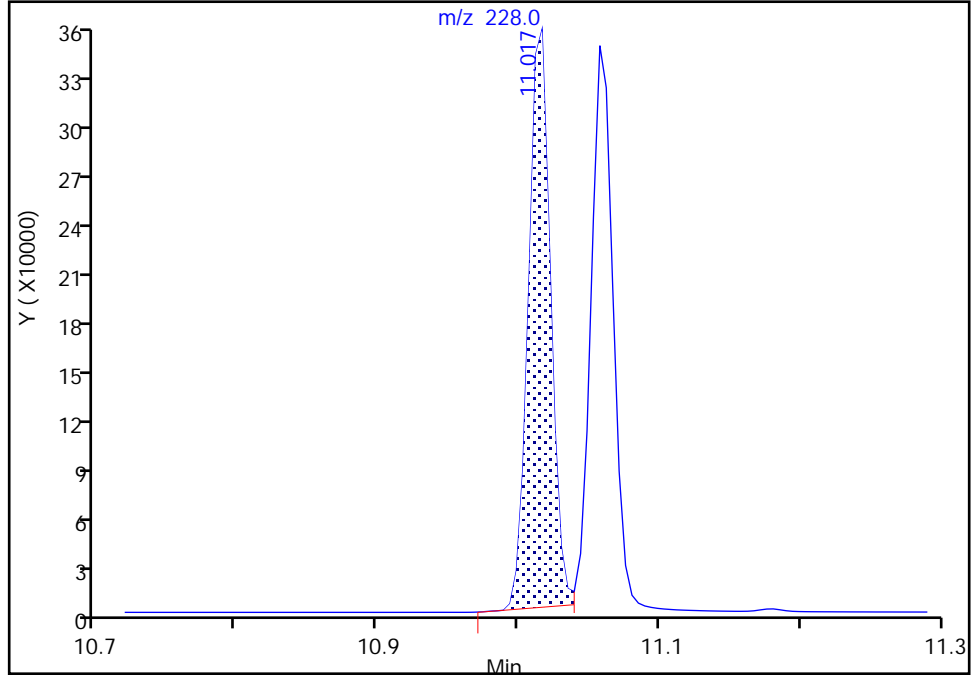
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b016.D
Injection Date: 14-Jan-2022 01:54:30 Instrument ID: TAC050
Lims ID: std11
Client ID:
Operator ID: jcm ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

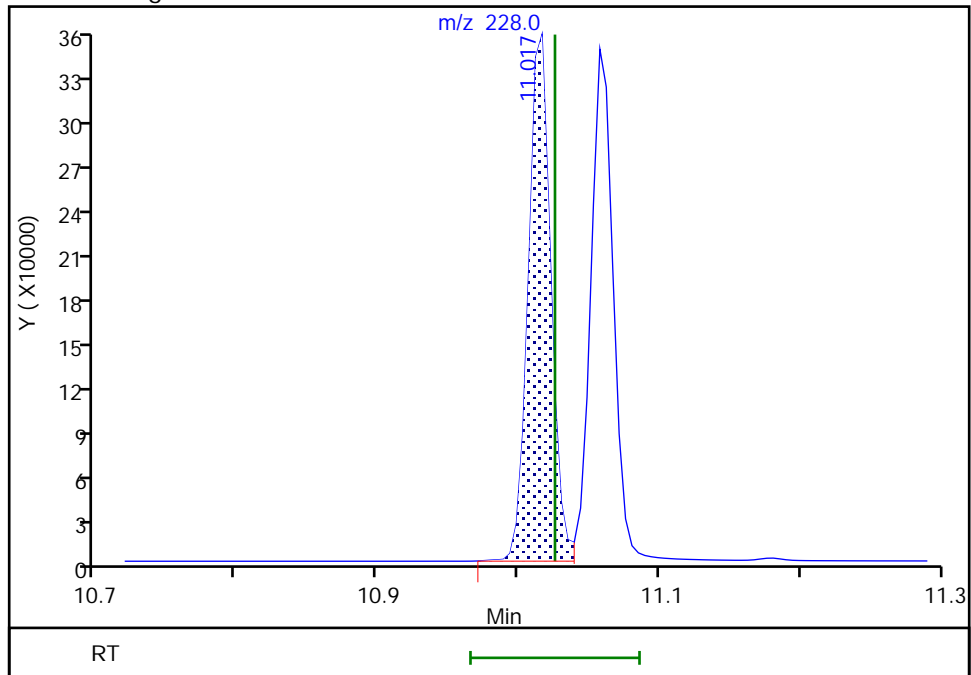
RT: 11.02
Area: 388556
Amount: 2012.7373
Amount Units: ug/L

Processing Integration Results



RT: 11.02
Area: 398056
Amount: 2058.2970
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:00:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

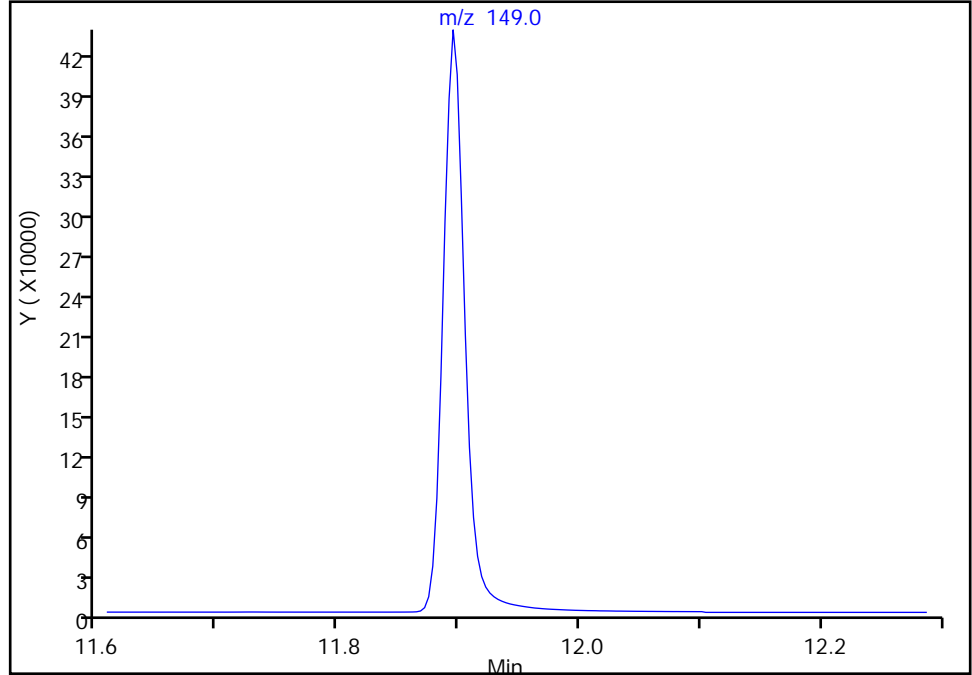
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b016.D
Injection Date: 14-Jan-2022 01:54:30 Instrument ID: TAC050
Lims ID: std11
Client ID:
Operator ID: jcm ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

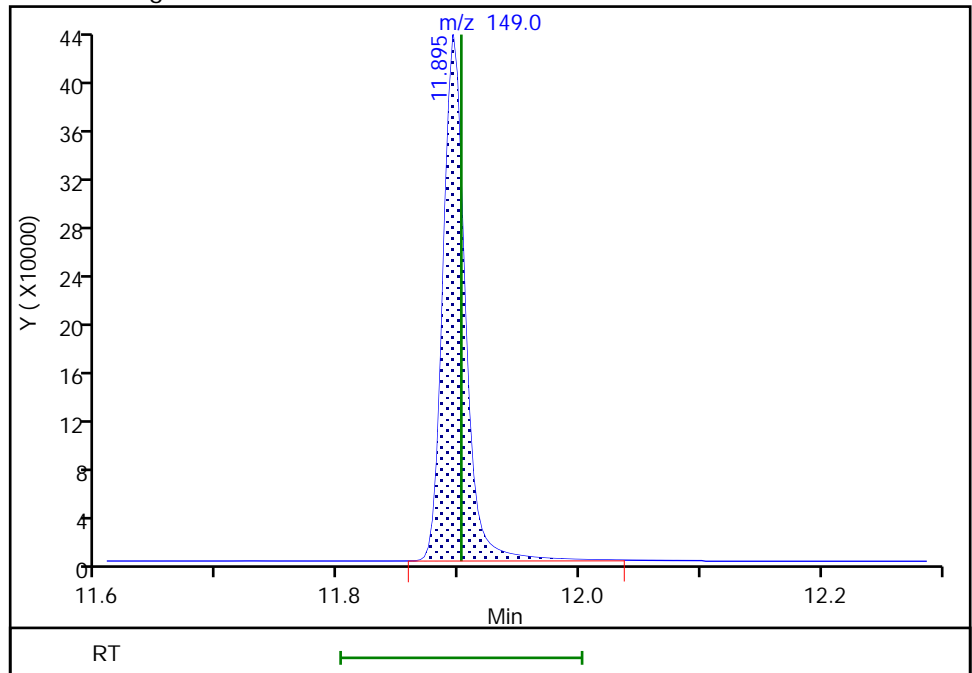
Not Detected
Expected RT: 11.90

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 551318
Amount: 2081.1144
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 13:58:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b017.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 10
 Inject. Date: 14-Jan-2022 02:13:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 10
 Operator ID: jcm Instrument ID: TAC050
 Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 14-Jan-2022 15:42:11 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:02:14

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.175	-0.004	90	23211	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.858	-0.004	70	10998	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.323	-0.004	56	16806	100.0	100.0	
* 4 Chrysene-d12	240	11.026	11.039	-0.013	54	13626	100.0	100.0	
* 5 Perylene-d12	264	13.074	13.084	-0.010	69	15564	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.814	5.814	0.000	67	136490	1000.0	994.0	
\$ 10 2-Fluorobiphenyl	172	6.193	6.197	-0.004	0	168952	1000.0	960.0	
\$ 7 2,4,6-Tribromophenol	330	7.628	7.637	-0.009	58	31220	1000.0	1028.7	
\$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.510	-0.008	69	181549	1000.0	1045.8	
\$ 9 Terphenyl-d14	244	9.896	9.904	-0.008	95	138125	1000.0	1025.5	
11 Naphthalene	128	5.189	5.194	-0.005	100	242151	1000.0	986.4	
12 2-Methylnaphthalene	141	5.841	5.846	-0.005	96	135530	1000.0	973.5	
13 1-Methylnaphthalene	141	5.937	5.942	-0.005	98	130882	1000.0	970.5	
14 Acenaphthylene	152	6.717	6.722	-0.005	100	237007	1000.0	1019.3	
15 Acenaphthene	153	6.884	6.889	-0.005	96	145402	1000.0	996.5	
16 Fluorene	166	7.394	7.399	-0.005	92	163209	1000.0	1003.3	
17 Pentachlorophenol	266	8.126	8.134	-0.008	97	44279	2000.0	2176.5	
18 Phenanthrene	178	8.342	8.346	-0.004	100	217890	1000.0	1031.2	
19 Anthracene	178	8.393	8.401	-0.008	100	218902	1000.0	1025.4	
20 Fluoranthene	202	9.522	9.530	-0.008	52	216797	1000.0	1038.5	
21 Pyrene	202	9.746	9.754	-0.008	52	231682	1000.0	1053.5	
22 Benzo[a]anthracene	228	11.012	11.026	-0.014	95	203397	1000.0	1038.5	M
23 Chrysene	228	11.058	11.071	-0.013	99	203276	1000.0	994.5	
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.902	-0.007	0	269774	1000.0	1080.2	Ma
24 Benzo[b]fluoranthene	252	12.470	12.493	-0.023	98	209981	1000.0	1034.1	a
25 Benzo[k]fluoranthene	252	12.516	12.534	-0.018	95	229502	1000.0	1008.6	
26 Benzo[a]pyrene	252	12.983	13.006	-0.023	97	213598	1000.0	1054.2	
27 Indeno[1,2,3-cd]pyrene	276	14.935	14.968	-0.033	96	187487	1000.0	1090.0	
28 Dibenz(a,h)anthracene	278	14.984	15.017	-0.033	96	209663	1000.0	1071.5	
29 Benzo[g,h,i]perylene	276	15.429	15.467	-0.038	95	221508	1000.0	1044.4	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

ccv_8270_1000_00057

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b017.D

Injection Date: 14-Jan-2022 02:13:30

Instrument ID: TAC050

Lims ID: std10

Client ID:

Operator ID: jcm

ALS Bottle#: 7

Worklist Smp#: 7

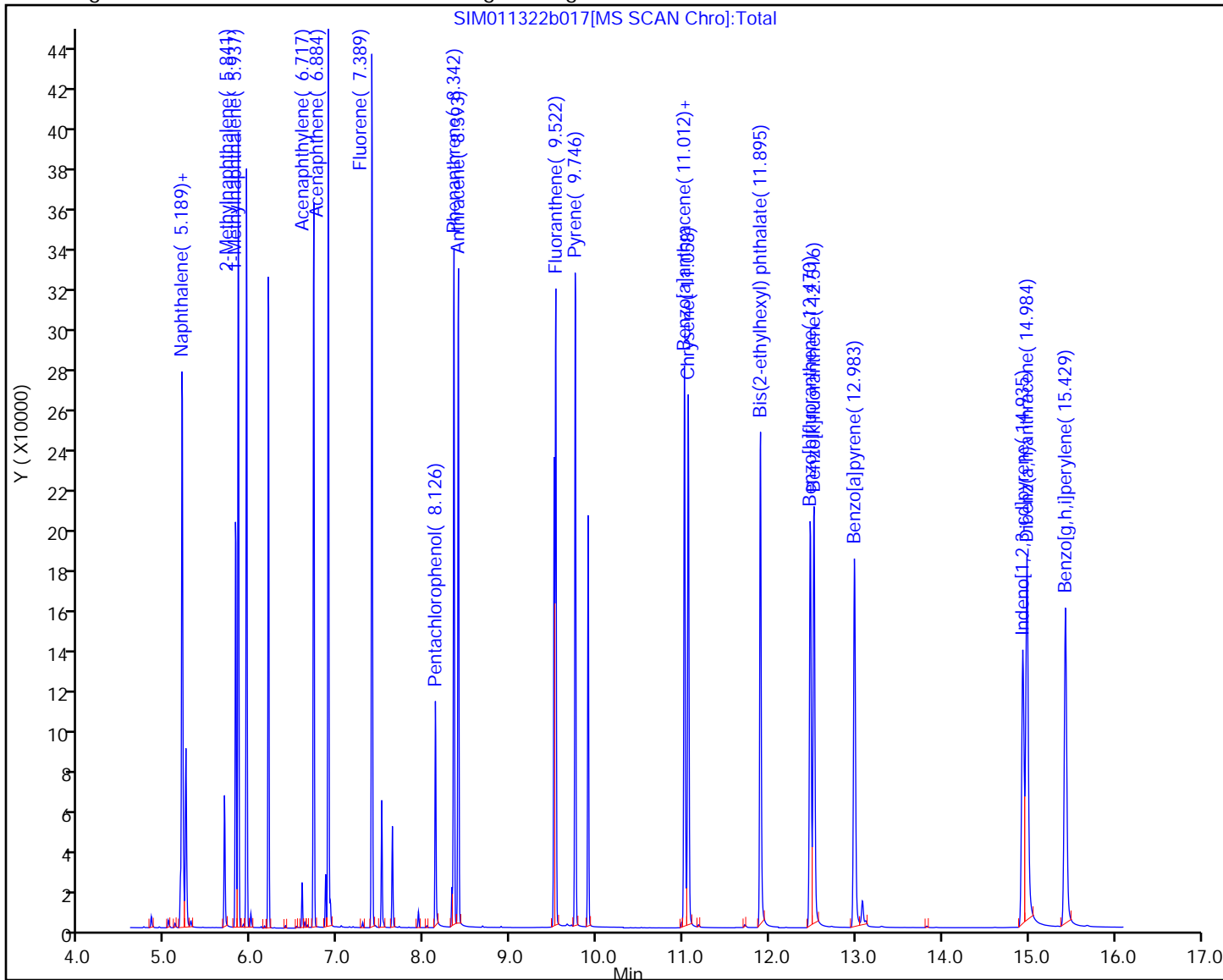
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

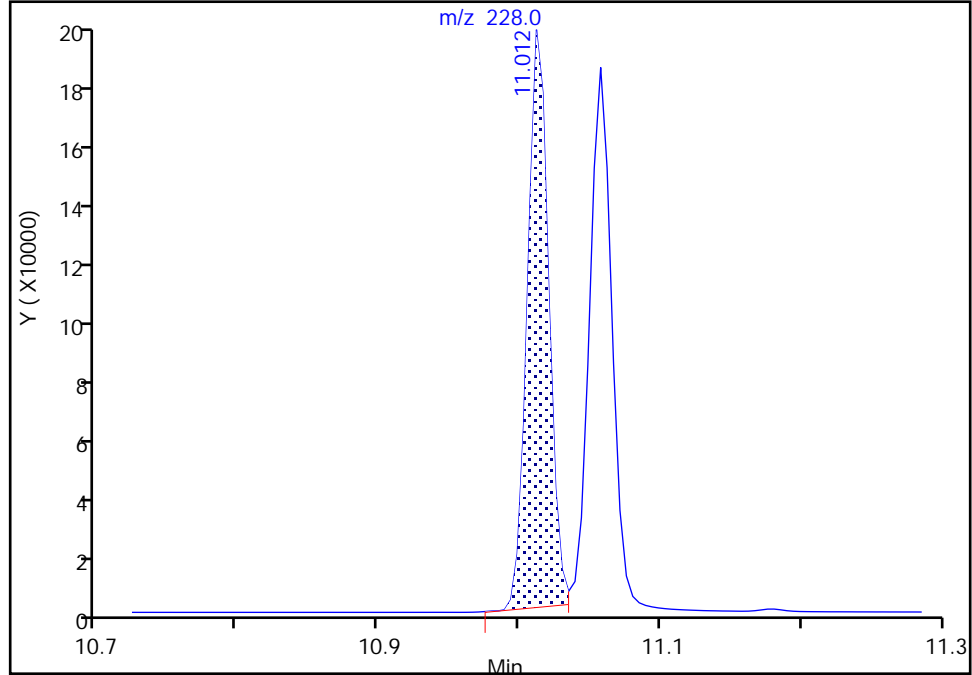
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b017.D
Injection Date: 14-Jan-2022 02:13:30 Instrument ID: TAC050
Lims ID: std10
Client ID:
Operator ID: jcm ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

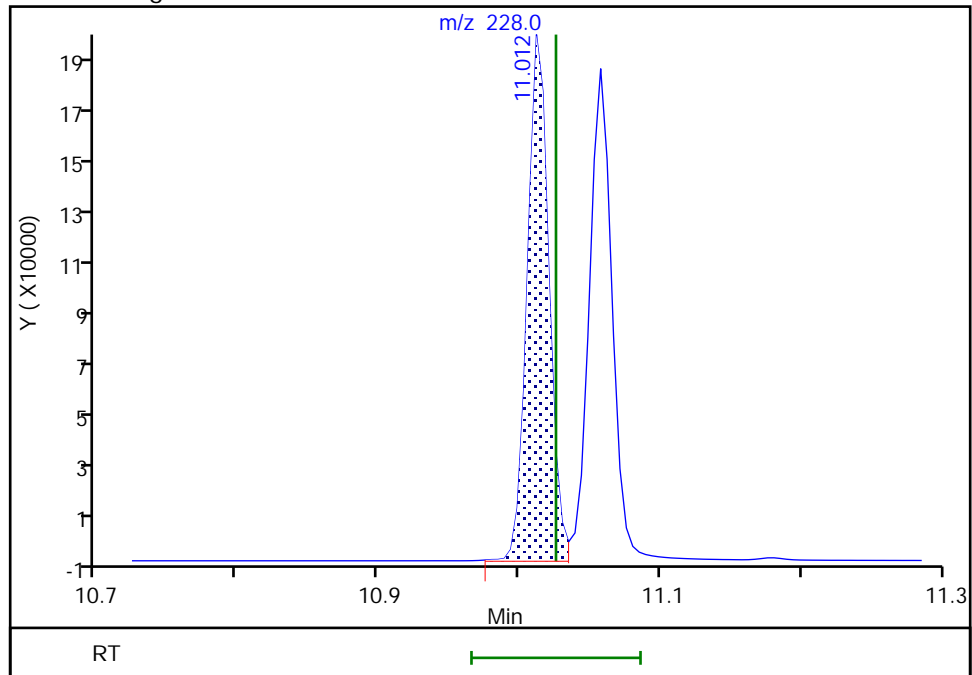
RT: 11.01
Area: 198209
Amount: 1012.8519
Amount Units: ug/L

Processing Integration Results



RT: 11.01
Area: 203397
Amount: 1038.5090
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:01:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

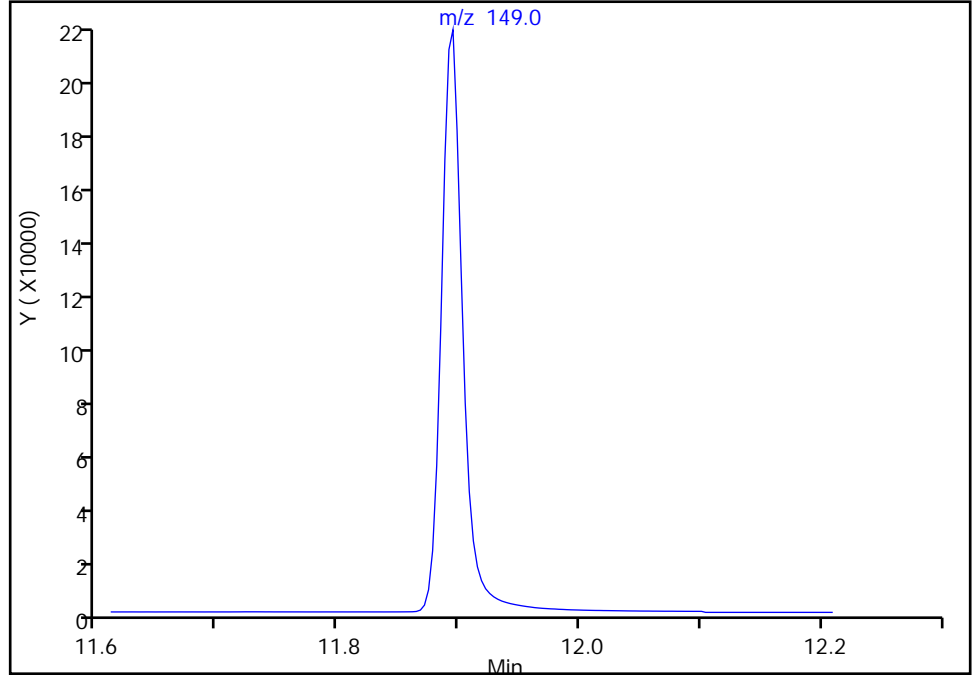
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b017.D
Injection Date: 14-Jan-2022 02:13:30 Instrument ID: TAC050
Lims ID: std10
Client ID:
Operator ID: jcm ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

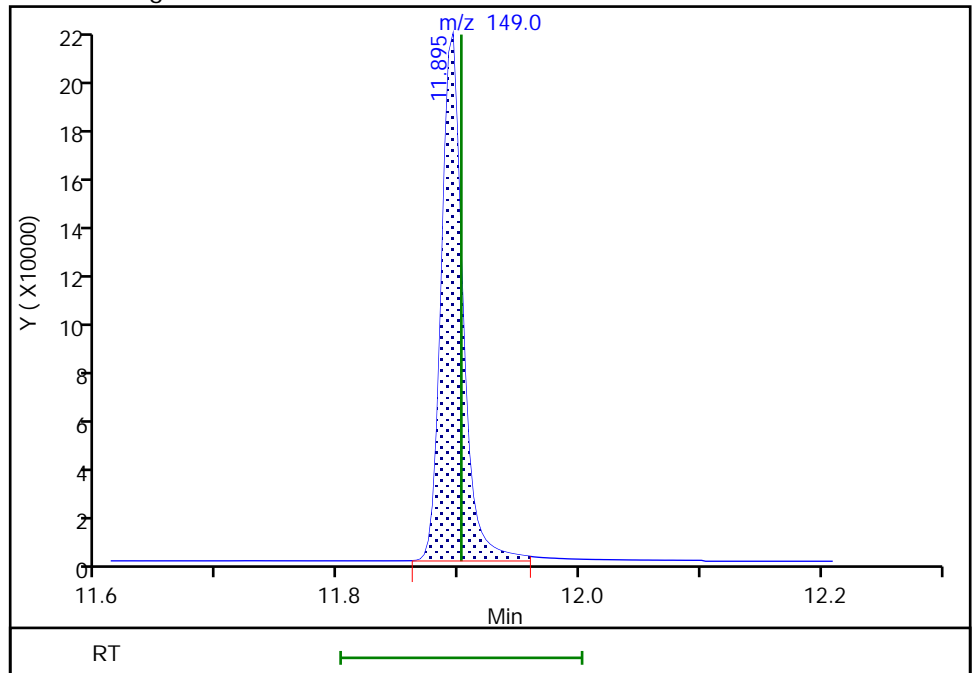
Not Detected
Expected RT: 11.90

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 269774
Amount: 1080.1509
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:01:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

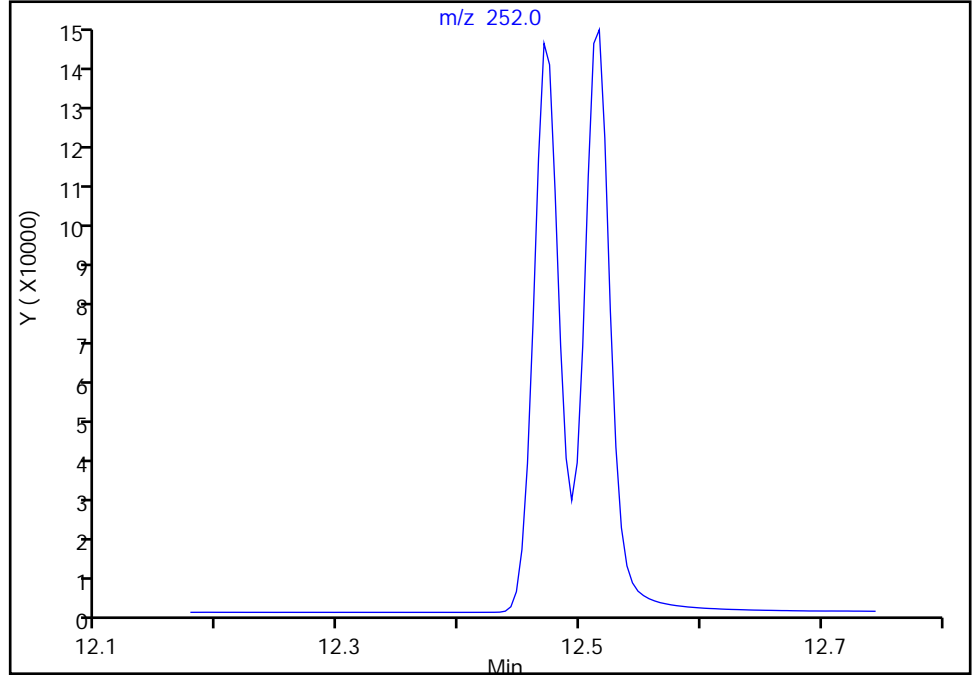
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b017.D
Injection Date: 14-Jan-2022 02:13:30 Instrument ID: TAC050
Lims ID: std10
Client ID:
Operator ID: jcm ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

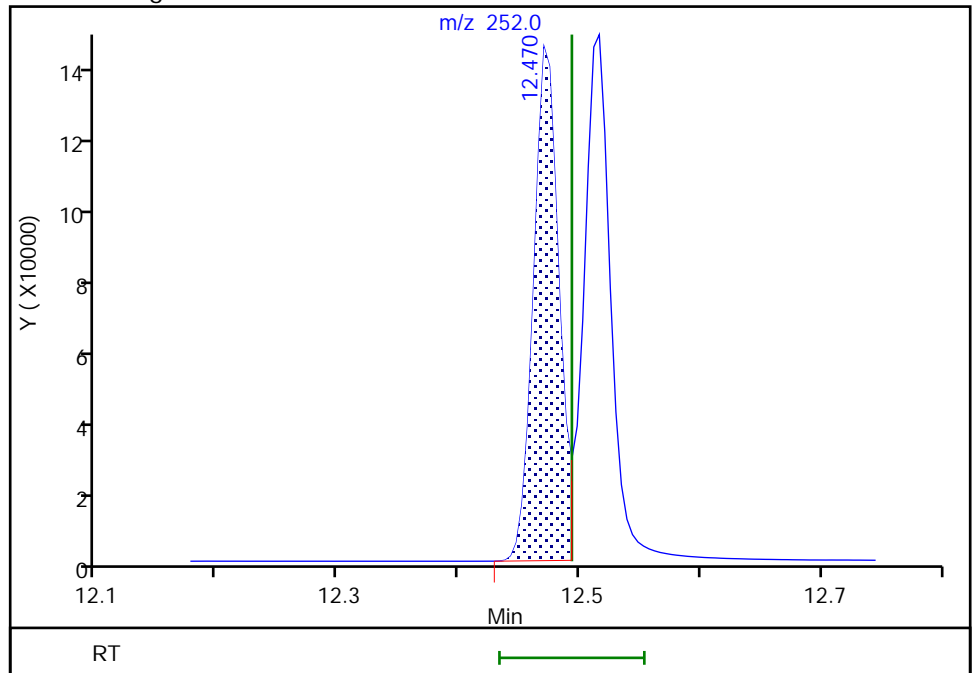
Not Detected
Expected RT: 12.49

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 209981
Amount: 1034.0773
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:01:01
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D
 Lims ID: std9is
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 14-Jan-2022 02:32:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 9
 Operator ID: jcm Instrument ID: TAC050
 Sublist: chrom-TAC050_SIM_PAH*sub9
 Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 14-Jan-2022 15:42:12 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 09:56:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	22195	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	70	10323	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.000	56	15675	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	67	12522	100.0	100.0	
* 5 Perylene-d12	264	13.074	13.074	0.000	69	14247	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	66447	500.0	506.1	
\$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	81972	500.0	496.2	a
\$ 7 2,4,6-Tribromophenol	330	7.628	7.628	0.000	59	13836	500.0	498.2	
\$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	82791	500.0	510.7	
\$ 9 Terphenyl-d14	244	9.896	9.896	0.000	95	64209	500.0	511.1	
11 Naphthalene	128	5.189	5.189	0.000	100	118848	500.0	506.3	
12 2-Methylnaphthalene	141	5.841	5.841	0.000	95	66711	500.0	501.1	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	97	63527	500.0	492.6	
14 Acenaphthylene	152	6.717	6.717	0.000	100	112225	500.0	514.2	
15 Acenaphthene	153	6.884	6.884	0.000	96	69640	500.0	508.5	
16 Fluorene	166	7.389	7.389	0.000	97	78269	500.0	512.6	
17 Pentachlorophenol	266	8.126	8.126	0.000	97	15457	1000.0	1053.9	
18 Phenanthrene	178	8.342	8.342	0.000	100	102631	500.0	520.2	
19 Anthracene	178	8.389	8.389	0.000	100	101772	500.0	510.7	
20 Fluoranthene	202	9.522	9.522	0.000	52	99999	500.0	513.0	
21 Pyrene	202	9.746	9.746	0.000	52	104547	500.0	509.0	
22 Benzo[a]anthracene	228	11.012	11.012	0.000	95	93139	500.0	516.8	M
23 Chrysene	228	11.057	11.057	0.000	99	96213	500.0	511.5	
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.895	0.000	0	118452	500.0	537.3	Ma
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	98	97903	500.0	526.3	a
25 Benzo[k]fluoranthene	252	12.511	12.511	0.000	95	105112	500.0	504.2	
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	97822	500.0	527.0	
27 Indeno[1,2,3-cd]pyrene	276	14.935	14.935	0.000	96	84665	500.0	542.0	
28 Dibenz(a,h)anthracene	278	14.984	14.984	0.000	96	94470	500.0	527.1	
29 Benzo[g,h,i]perylene	276	15.429	15.429	0.000	95	100263	500.0	516.1	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

ccv_SIM_500_00086

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D

Injection Date: 14-Jan-2022 02:32:30

Instrument ID: TAC050

Lims ID: std9is

Client ID:

Operator ID: jcm

ALS Bottle#: 8

Worklist Smp#: 8

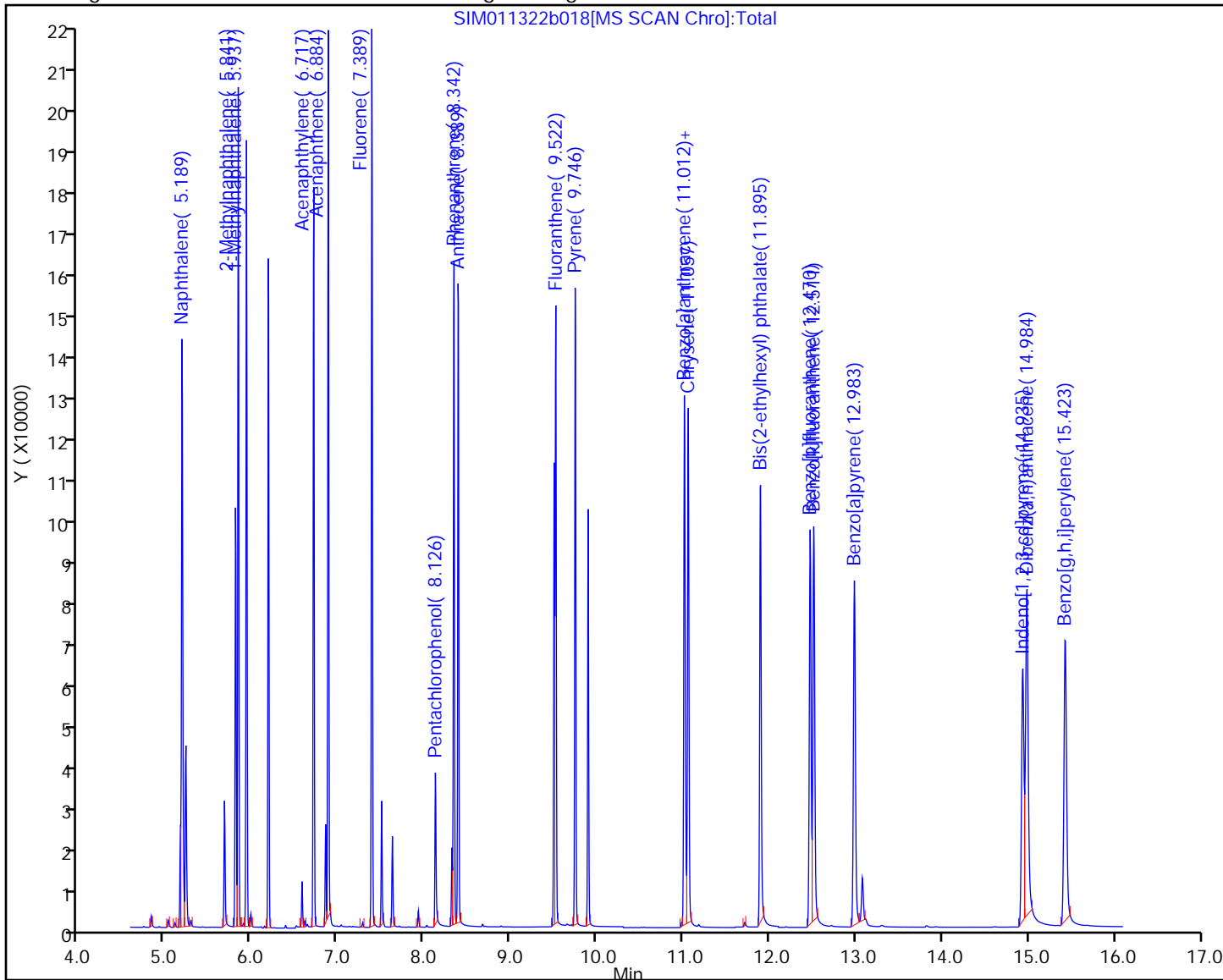
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

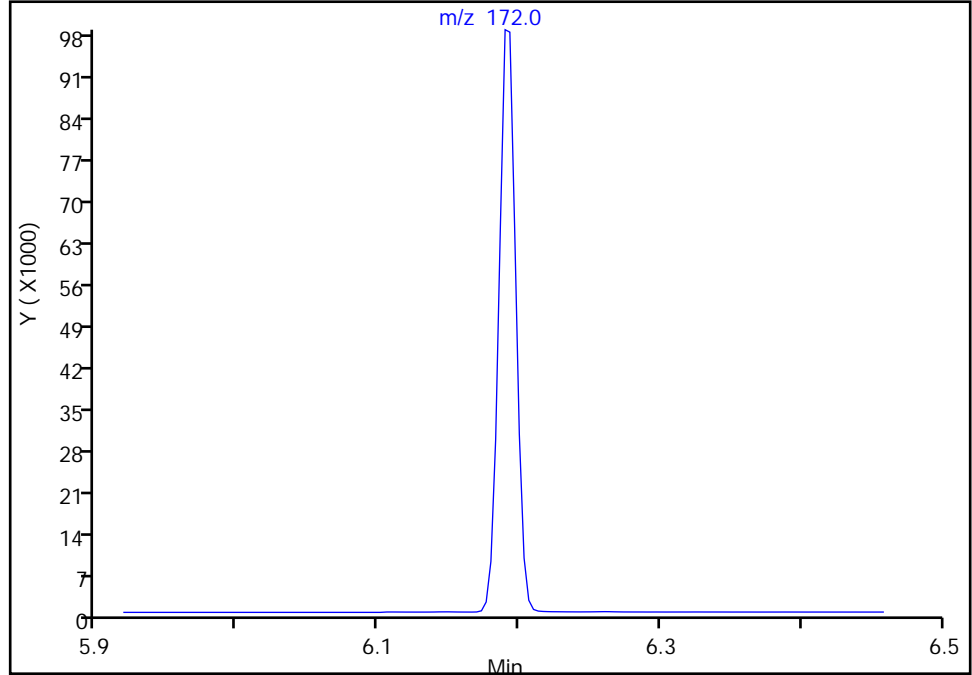
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D
Injection Date: 14-Jan-2022 02:32:30 Instrument ID: TAC050
Lims ID: std9is
Client ID:
Operator ID: jcm ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

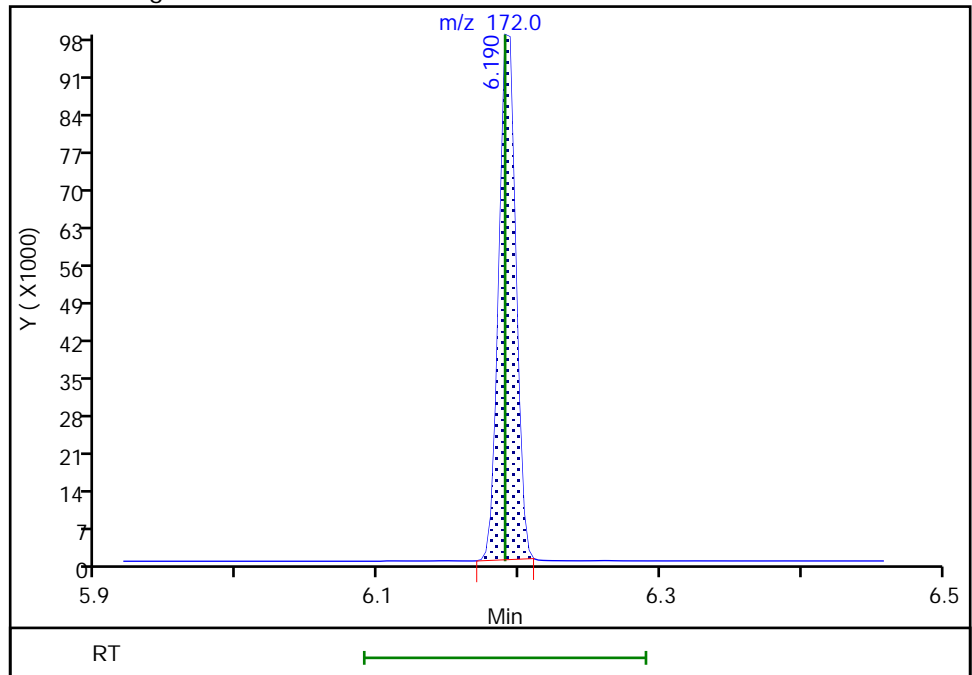
Not Detected
Expected RT: 6.19

Processing Integration Results



RT: 6.19
Area: 81972
Amount: 496.2395
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:01:55
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle

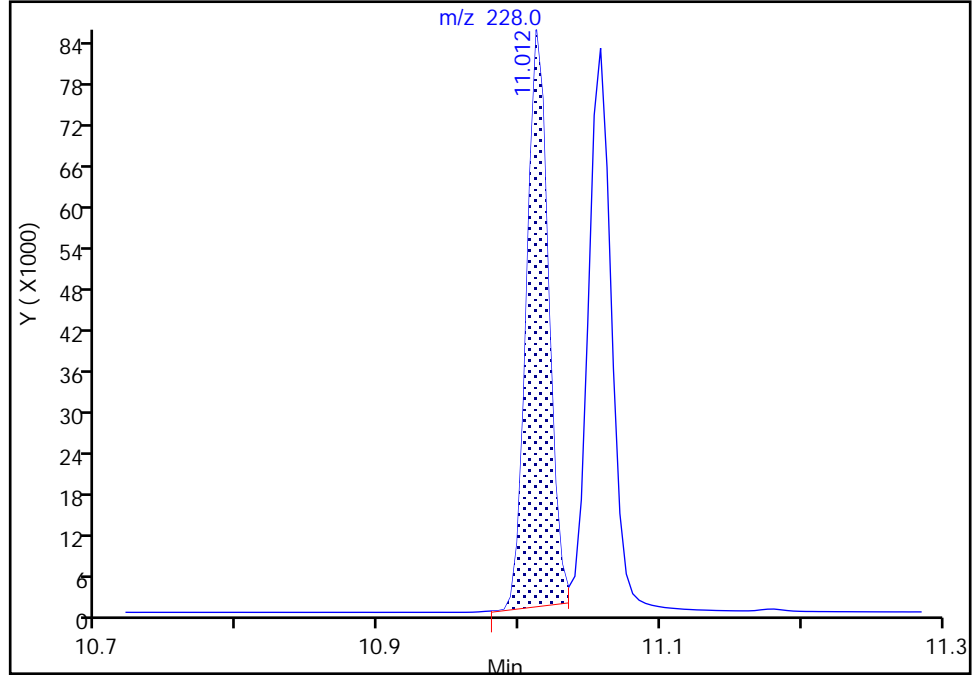
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D
Injection Date: 14-Jan-2022 02:32:30 Instrument ID: TAC050
Lims ID: std9is
Client ID:
Operator ID: jcm ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

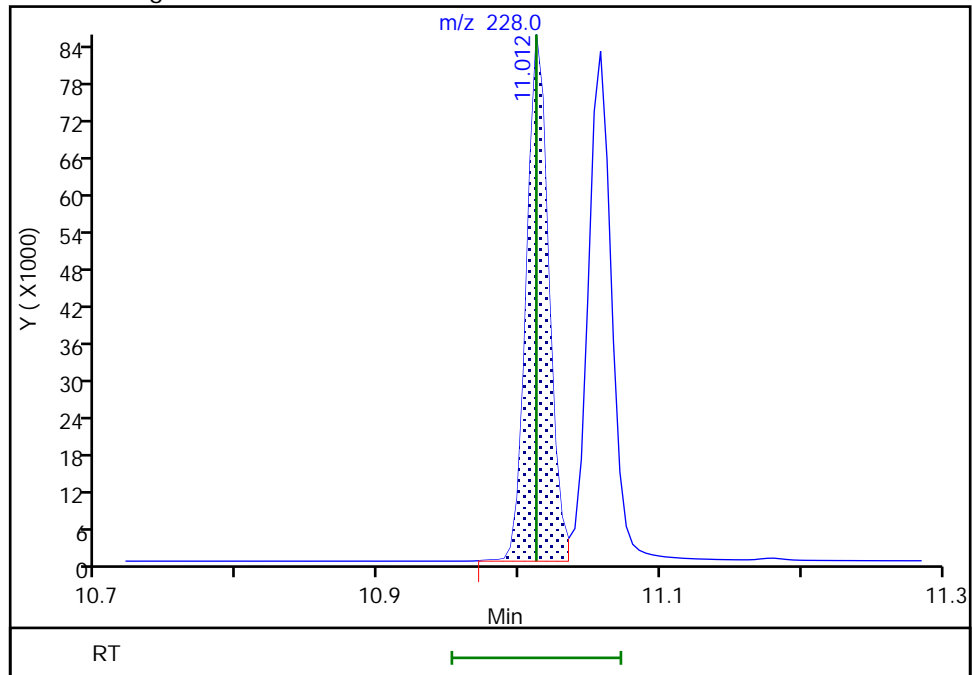
RT: 11.01
Area: 90754
Amount: 502.2735
Amount Units: ug/L

Processing Integration Results



RT: 11.01
Area: 93139
Amount: 516.8199
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:02:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

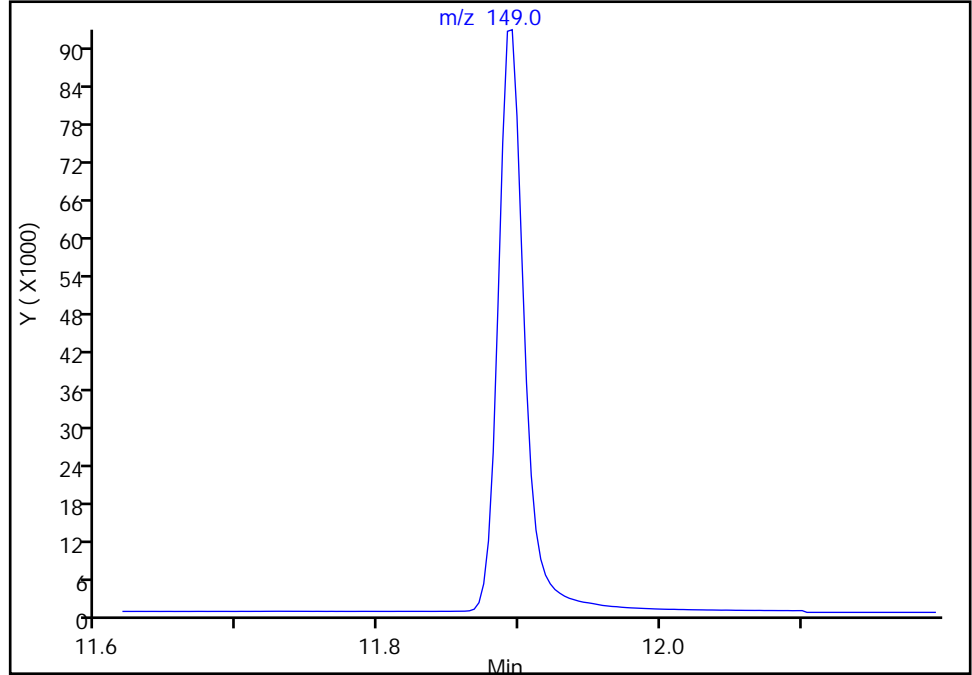
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D
Injection Date: 14-Jan-2022 02:32:30 Instrument ID: TAC050
Lims ID: std9is
Client ID:
Operator ID: jcm ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

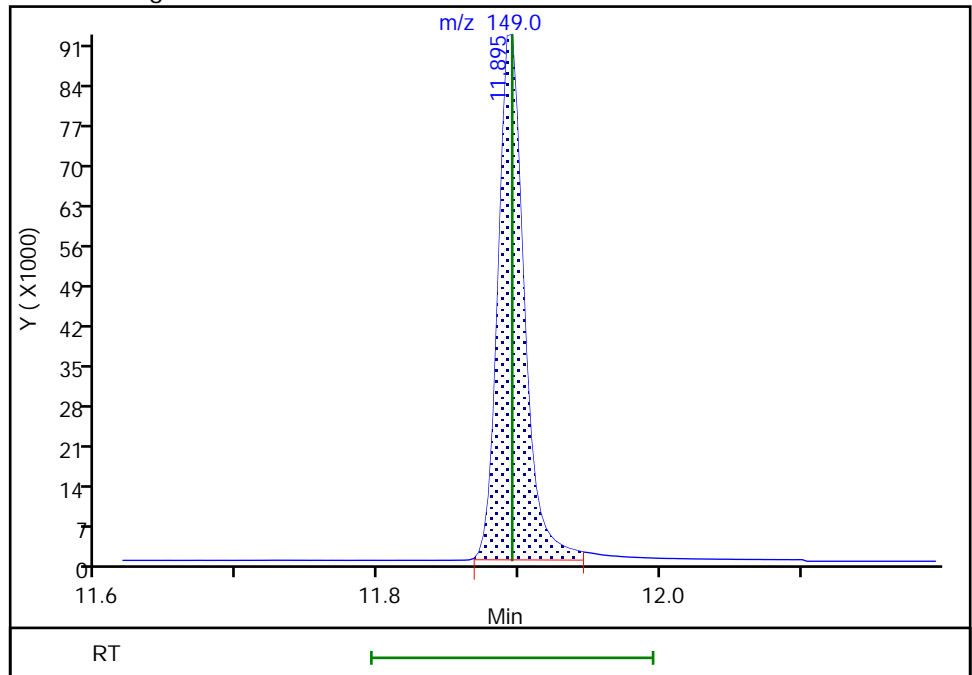
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 118452
Amount: 537.2714
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:02:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

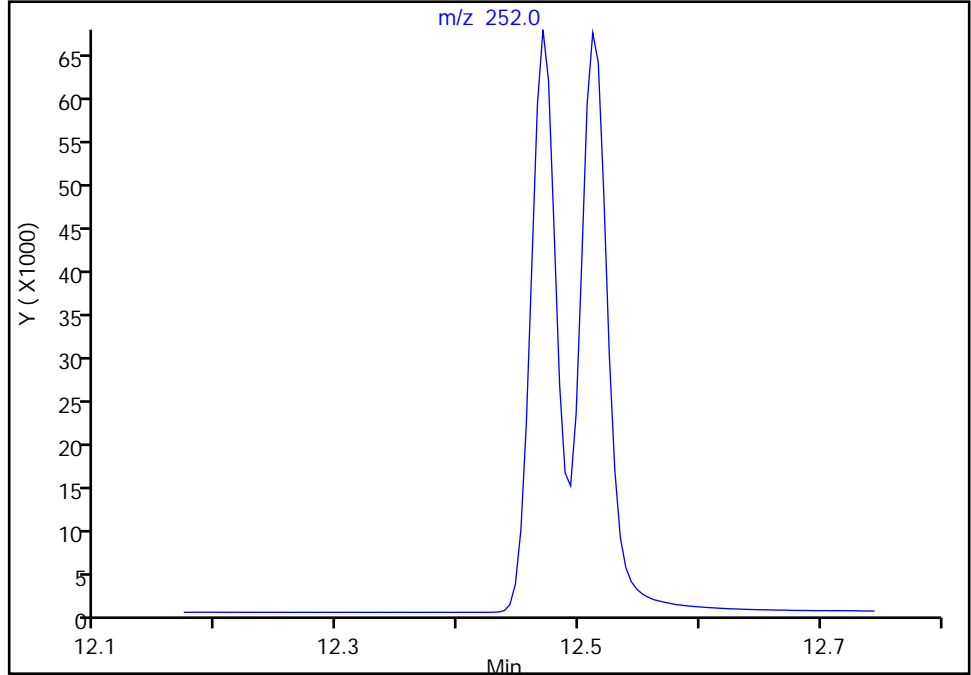
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D
Injection Date: 14-Jan-2022 02:32:30 Instrument ID: TAC050
Lims ID: std9is
Client ID:
Operator ID: jcm ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

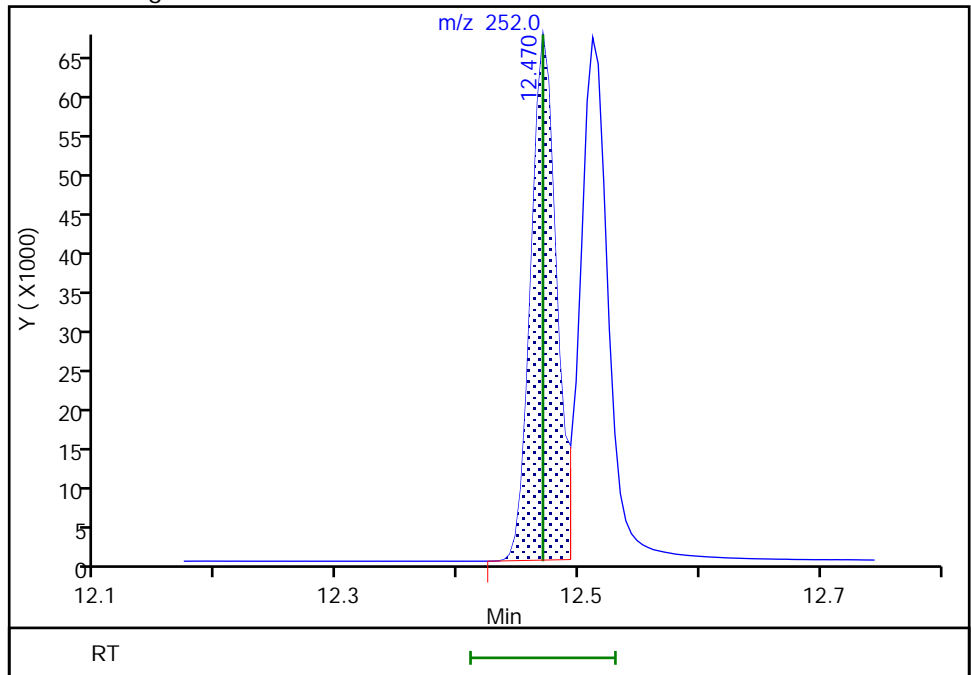
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 97903
Amount: 526.3046
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:02:34
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
 Lims ID: std8
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 14-Jan-2022 02:51:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 8
 Operator ID: jcm Instrument ID: TAC050
 Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 14-Jan-2022 15:42:14 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:03:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	25824	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	70	11755	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	18203	100.0	100.0	
* 4 Chrysene-d12	240	11.026	11.030	-0.004	72	14055	100.0	100.0	
* 5 Perylene-d12	264	13.075	13.074	0.001	69	16292	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	29353	200.0	192.1	
\$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	36875	200.0	196.0	Ma
\$ 7 2,4,6-Tribromophenol	330	7.628	7.628	0.000	58	5623	200.0	183.4	
\$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	36319	200.0	192.2	
\$ 9 Terphenyl-d14	244	9.896	9.896	0.000	95	26958	200.0	184.8	
11 Naphthalene	128	5.189	5.189	0.000	100	52945	200.0	193.8	
12 2-Methylnaphthalene	141	5.841	5.841	0.000	95	29681	200.0	191.6	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	97	28297	200.0	188.6	
14 Acenaphthylene	152	6.717	6.717	0.000	100	48540	200.0	195.3	
15 Acenaphthene	153	6.885	6.884	0.001	96	30250	200.0	194.0	
16 Fluorene	166	7.389	7.389	0.000	97	33656	200.0	193.6	
17 Pentachlorophenol	266	8.126	8.126	0.000	96	4235	400.0	356.7	
18 Phenanthrene	178	8.338	8.342	-0.004	100	45268	200.0	196.9	
19 Anthracene	178	8.389	8.389	0.000	100	44171	200.0	190.3	
20 Fluoranthene	202	9.522	9.522	0.000	52	44105	200.0	194.1	
21 Pyrene	202	9.746	9.746	0.000	52	45971	200.0	192.0	
22 Benzo[a]anthracene	228	11.012	11.012	0.000	95	39640	200.0	195.2	M
23 Chrysene	228	11.058	11.057	0.001	98	41189	200.0	194.2	
30 Bis(2-ethylhexyl) phthalate	149	11.892	11.895	-0.003	0	49150	200.0	203.4	Ma
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	97	40711	200.0	190.9	a
25 Benzo[k]fluoranthene	252	12.512	12.511	0.001	95	46936	200.0	196.4	
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	41778	200.0	196.3	
27 Indeno[1,2,3-cd]pyrene	276	14.935	14.935	0.000	96	35765	200.0	201.3	M
28 Dibenz(a,h)anthracene	278	14.984	14.984	0.000	96	40164	200.0	195.6	a
29 Benzo[g,h,i]perylene	276	15.423	15.429	-0.006	95	44397	200.0	199.4	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

ccv_8270_1000_00057

Amount Added: 200.00

Units: uL

8270SIM_IS_00069

Amount Added: 8.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D

Injection Date: 14-Jan-2022 02:51:30

Instrument ID: TAC050

Lims ID: std8

Client ID:

Operator ID: jcm

ALS Bottle#: 9

Worklist Smp#: 9

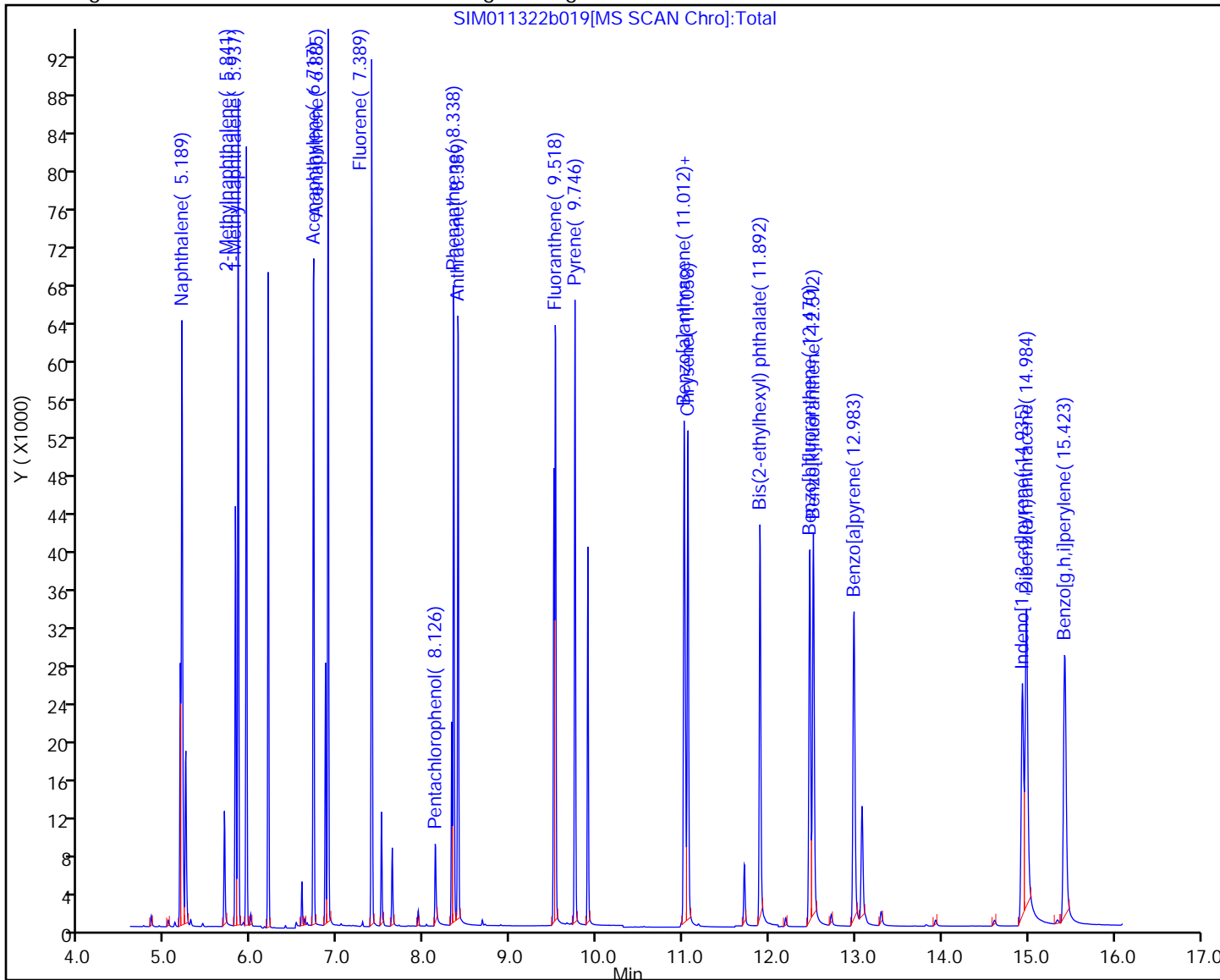
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

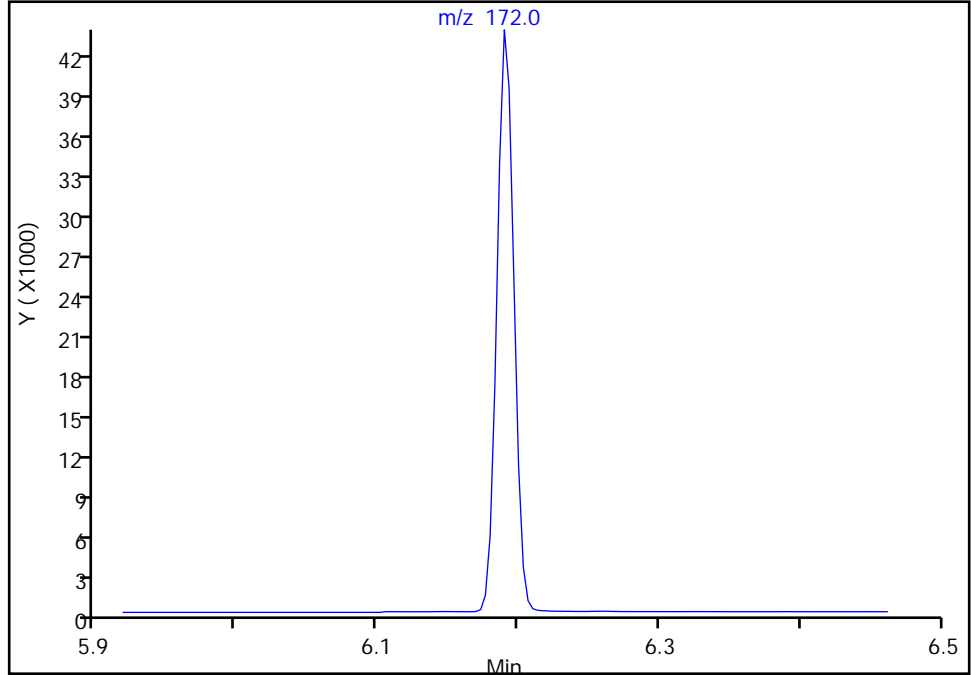
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
Injection Date: 14-Jan-2022 02:51:30 Instrument ID: TAC050
Lims ID: std8
Client ID:
Operator ID: jcm ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

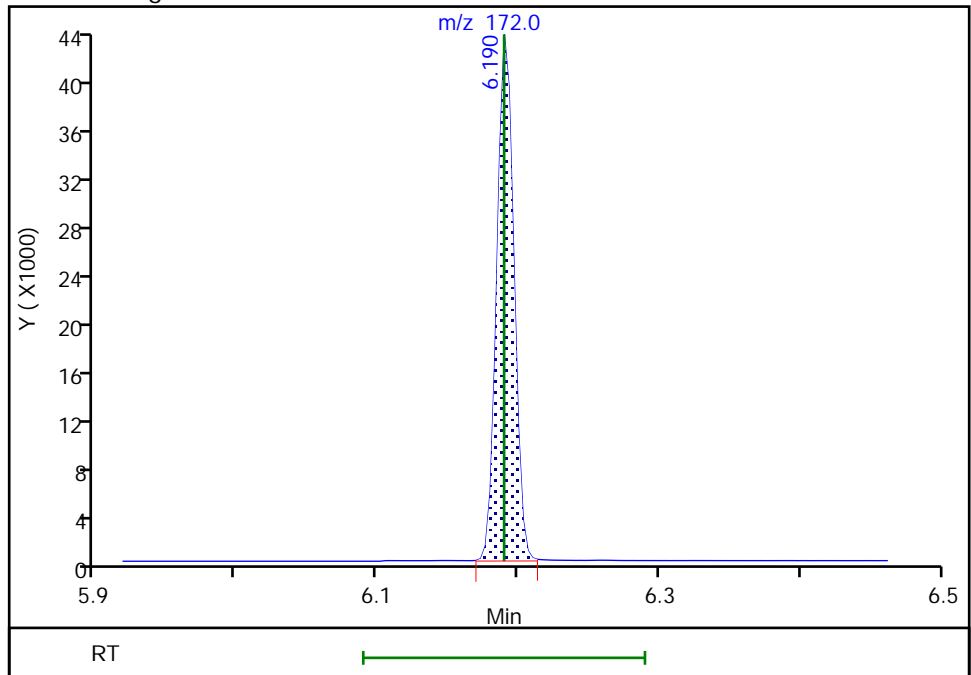
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 36875
Amount: 196.0384
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:07:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

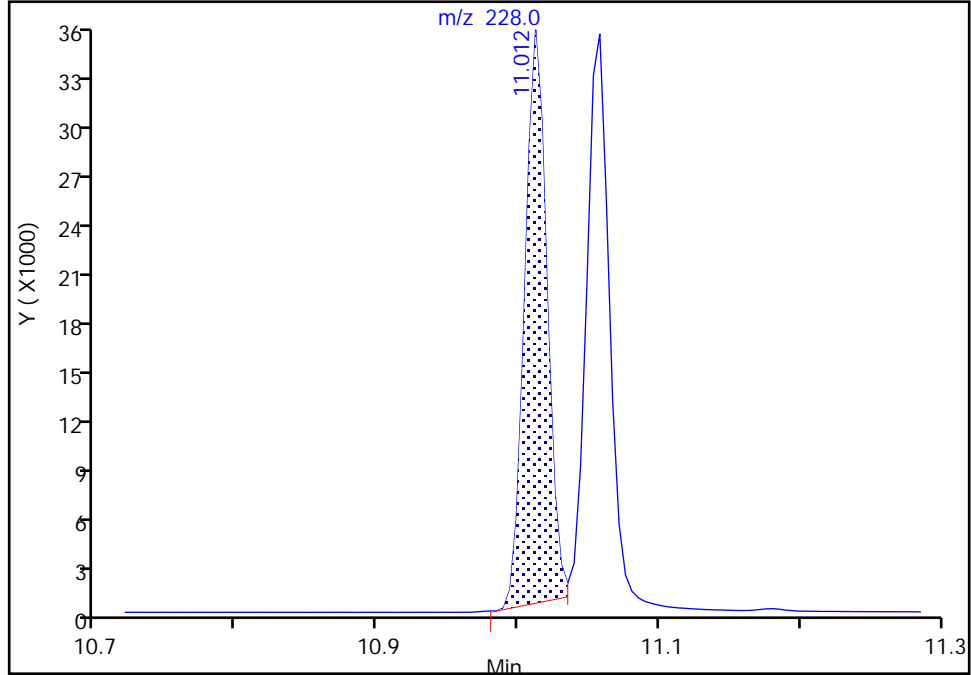
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
Injection Date: 14-Jan-2022 02:51:30 Instrument ID: TAC050
Lims ID: std8
Client ID:
Operator ID: jcm ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

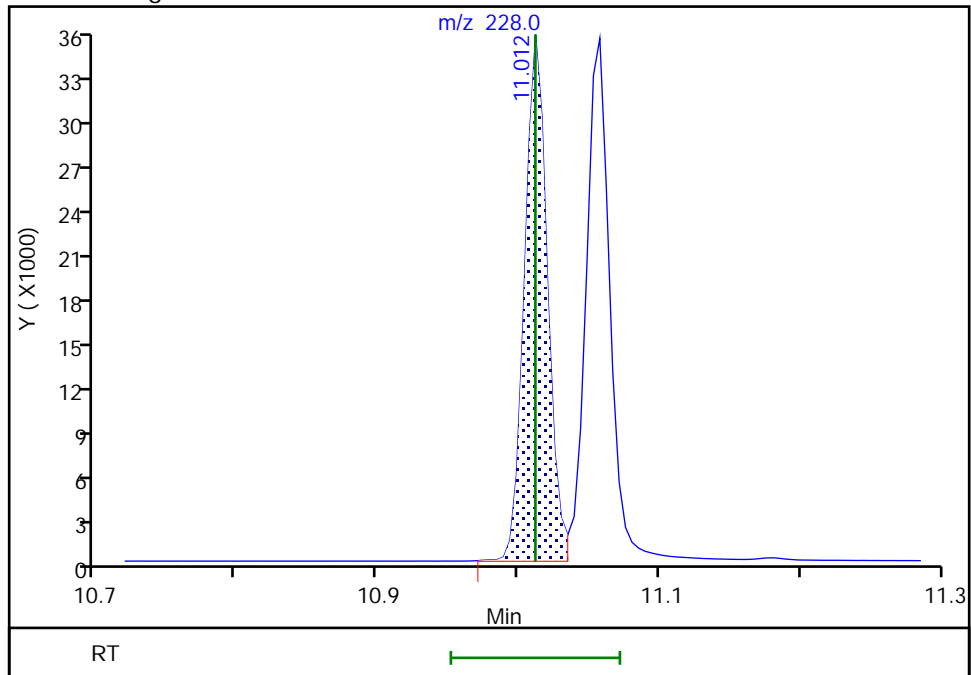
RT: 11.01
Area: 38019
Amount: 186.0820
Amount Units: ug/L

Processing Integration Results



RT: 11.01
Area: 39640
Amount: 195.1530
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:07:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

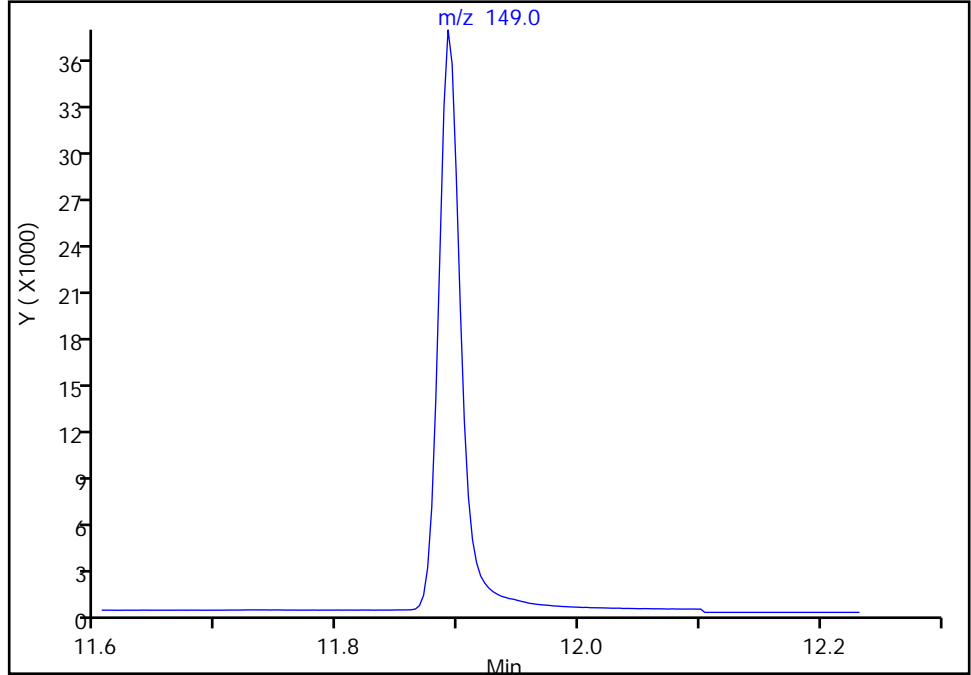
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
Injection Date: 14-Jan-2022 02:51:30 Instrument ID: TAC050
Lims ID: std8
Client ID:
Operator ID: jcm ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

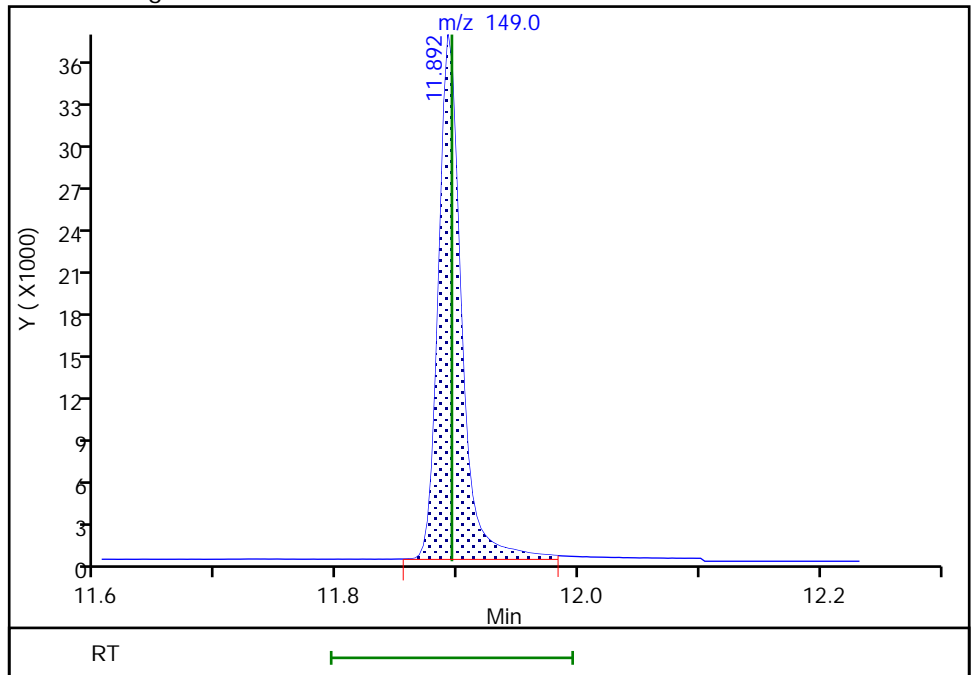
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 49150
Amount: 203.4120
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:07:14
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

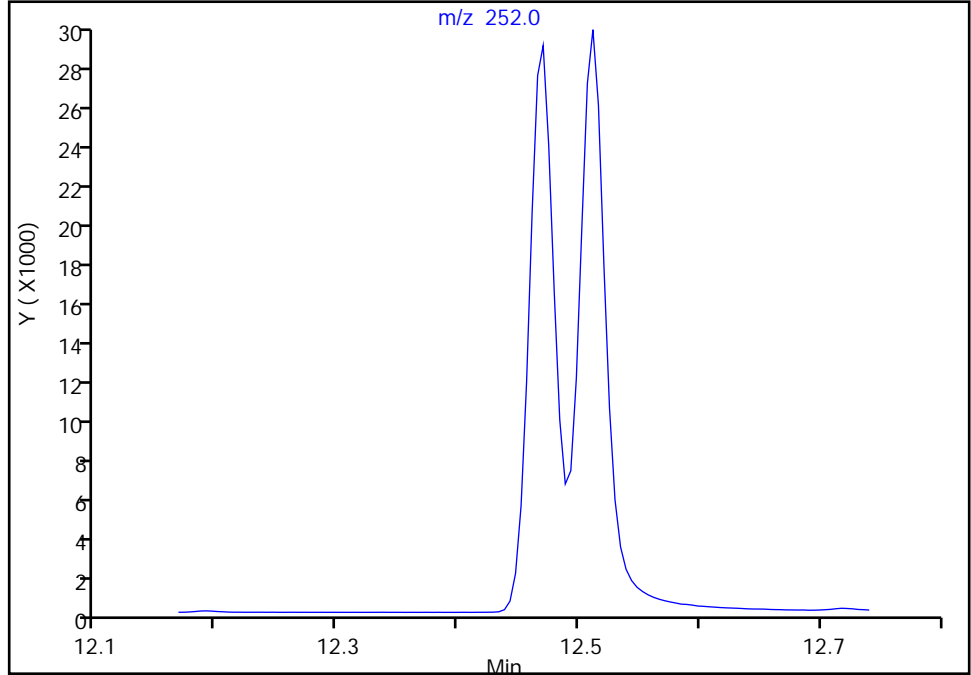
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
Injection Date: 14-Jan-2022 02:51:30 Instrument ID: TAC050
Lims ID: std8
Client ID:
Operator ID: jcm ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

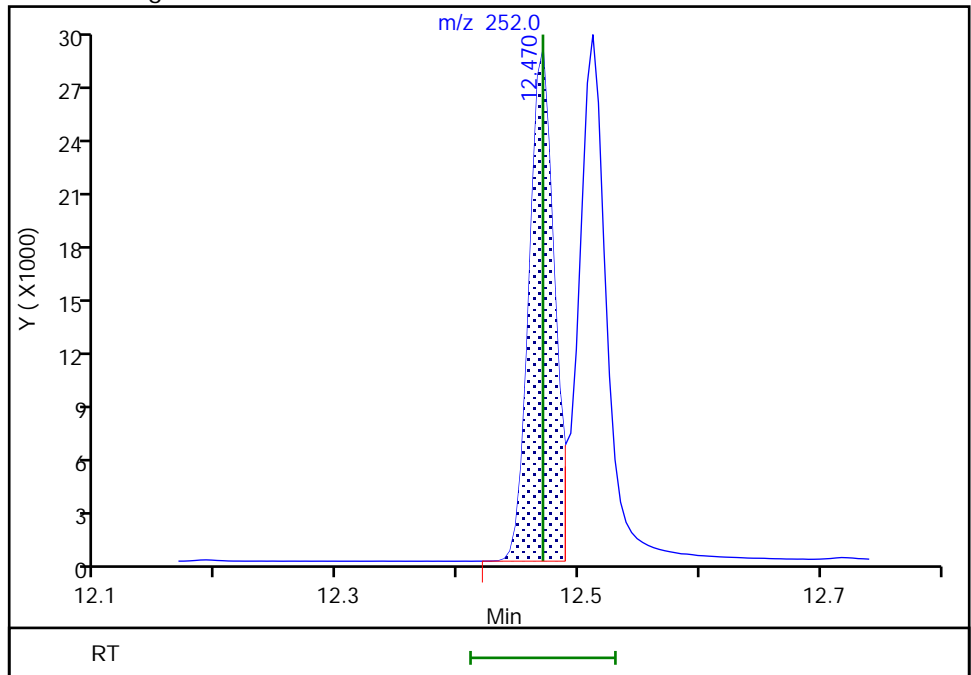
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 40711
Amount: 190.8641
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:06:58
Audit Action: Assigned Compound ID

Audit Reason: Split Peak

Eurofins Seattle

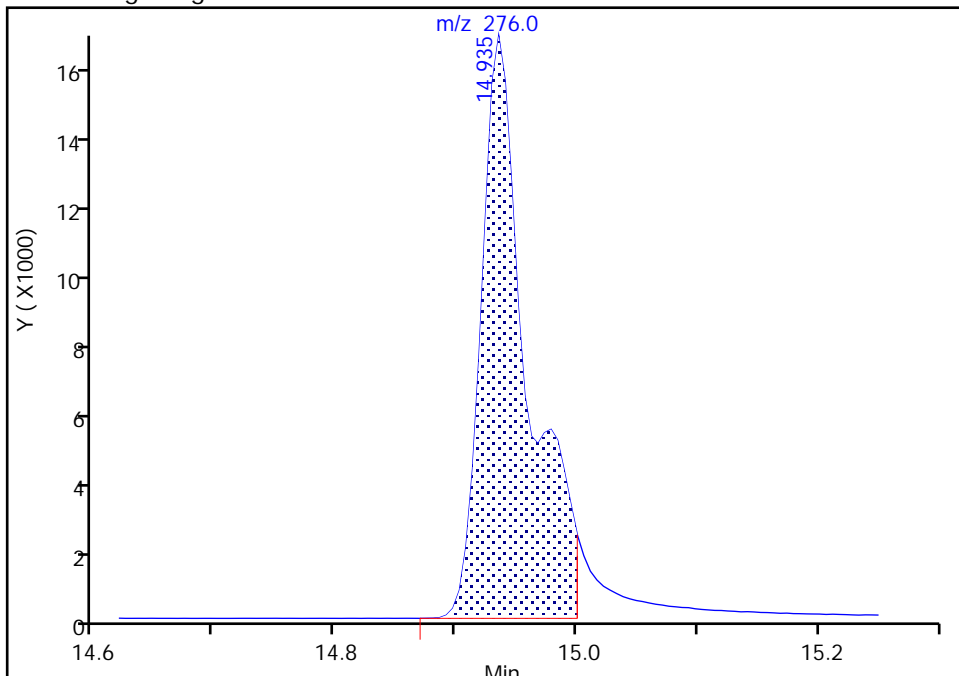
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
Injection Date: 14-Jan-2022 02:51:30 Instrument ID: TAC050
Lims ID: std8
Client ID:
Operator ID: jcm ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

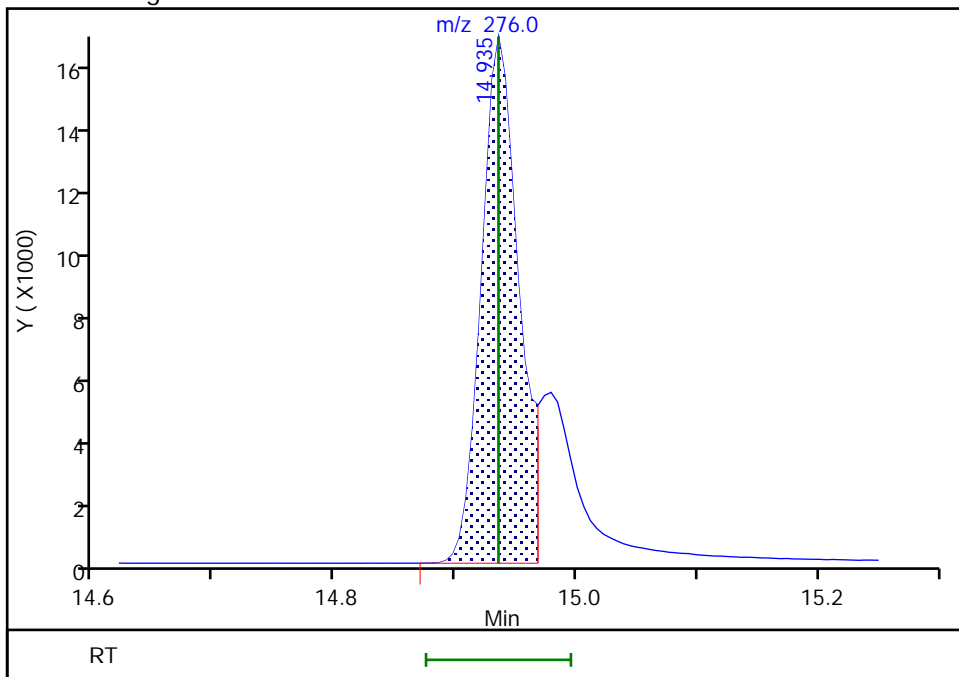
RT: 14.94
Area: 44608
Amount: 227.3977
Amount Units: ug/L

Processing Integration Results



RT: 14.94
Area: 35765
Amount: 201.3281
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:06:50
Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Seattle

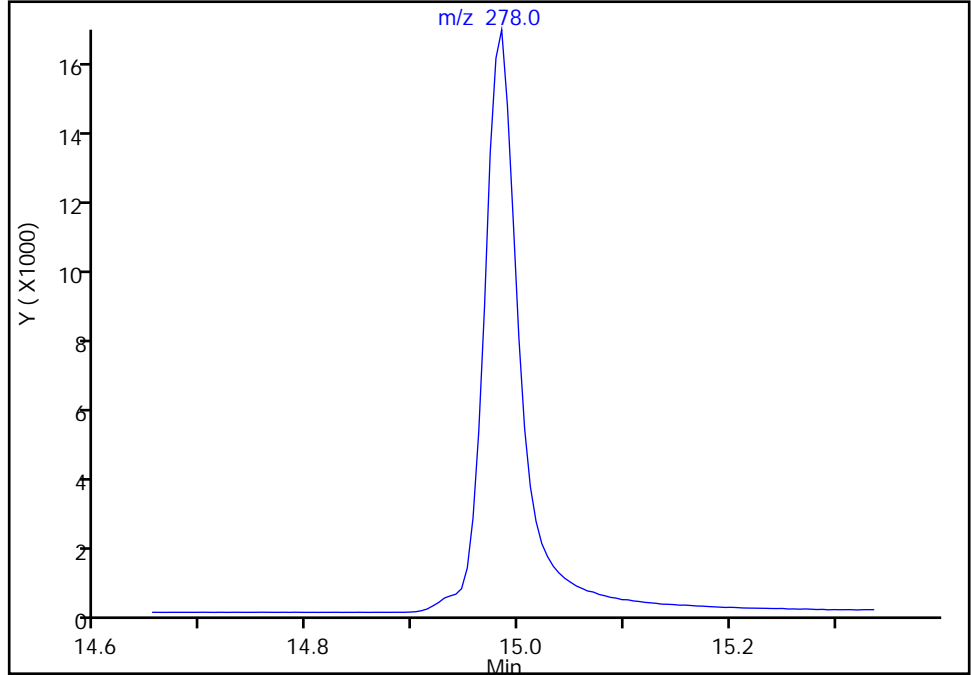
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
Injection Date: 14-Jan-2022 02:51:30 Instrument ID: TAC050
Lims ID: std8
Client ID:
Operator ID: jcm ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

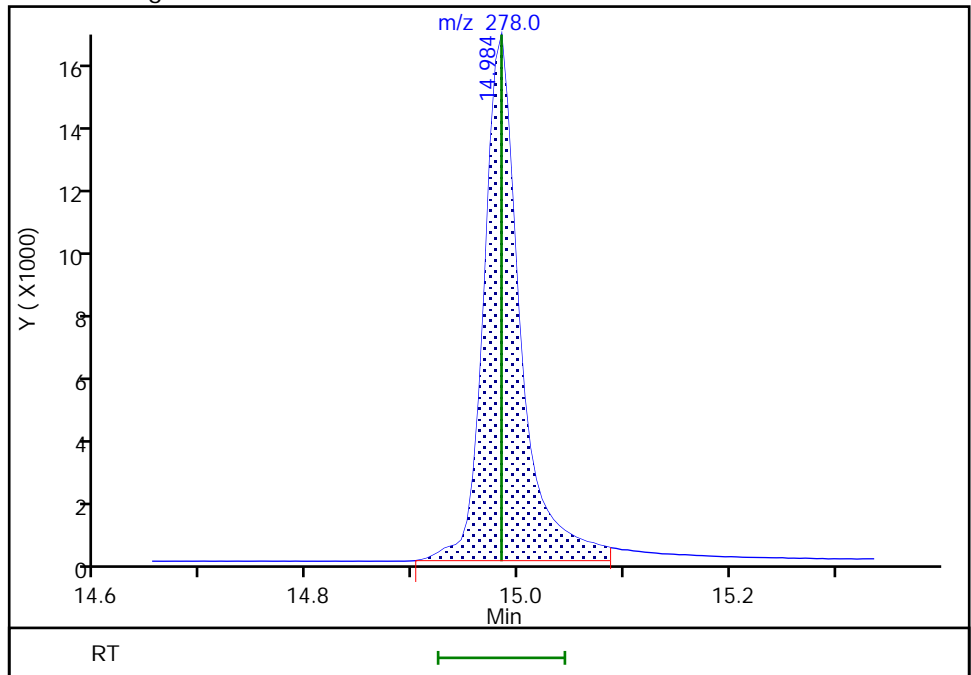
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 14.98
Area: 40164
Amount: 195.5876
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:06:44
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
 Lims ID: std7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 14-Jan-2022 03:10:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 7
 Operator ID: jcm Instrument ID: TAC050
 Sublist: chrom-TAC050_SIM_PAH*sub9
 Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 14-Jan-2022 15:42:06 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: boylea Date: 14-Jan-2022 15:42:06

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	22864	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	70	10427	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	16638	100.0	100.0	
* 4 Chrysene-d12	240	11.026	11.030	-0.004	62	13251	100.0	100.0	
* 5 Perylene-d12	264	13.074	13.074	0.000	69	15589	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	13403	100.0	99.1	
\$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	16655	100.0	99.8	M
\$ 7 2,4,6-Tribromophenol	330	7.628	7.628	0.000	59	2462	100.0	93.5	
\$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	17571	100.0	101.2	
\$ 9 Terphenyl-d14	244	9.896	9.896	0.000	95	13020	100.0	97.6	
11 Naphthalene	128	5.189	5.189	0.000	100	24209	100.0	100.1	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	95	13602	100.0	99.2	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	98	12942	100.0	97.4	
14 Acenaphthylene	152	6.717	6.717	0.000	100	21750	100.0	98.7	
15 Acenaphthene	153	6.884	6.884	0.000	96	13549	100.0	97.9	
16 Fluorene	166	7.389	7.389	0.000	98	15017	100.0	97.4	
17 Pentachlorophenol	266	8.130	8.126	0.004	99	1359	200.0	179.0	M
18 Phenanthrene	178	8.342	8.342	0.000	100	21252	100.0	100.6	
19 Anthracene	178	8.393	8.389	0.004	100	20551	100.0	96.4	
20 Fluoranthene	202	9.522	9.522	0.000	52	21157	100.0	101.3	
21 Pyrene	202	9.746	9.746	0.000	52	23304	100.0	105.9	a
22 Benzo[a]anthracene	228	11.012	11.012	0.000	95	19122	100.0	99.2	
23 Chrysene	228	11.058	11.057	0.001	99	19950	100.0	99.0	
30 Bis(2-ethylhexyl) phthalate	149	11.891	11.895	-0.004	0	23812	100.0	105.0	Ma
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	97	20162	100.0	98.4	Ma
25 Benzo[k]fluoranthene	252	12.511	12.511	0.000	95	21829	100.0	95.1	
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	19766	100.0	96.7	
27 Indeno[1,2,3-cd]pyrene	276	14.935	14.935	0.000	96	16508	100.0	97.4	M
28 Dibenz(a,h)anthracene	278	14.984	14.984	0.000	96	17159	100.0	87.0	a
29 Benzo[g,h,i]perylene	276	15.429	15.429	0.000	95	20616	100.0	96.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_8270_1000_00057

Amount Added: 100.00

Units: uL

8270SIM_IS_00069

Amount Added: 9.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D

Injection Date: 14-Jan-2022 03:10:30

Instrument ID: TAC050

Lims ID: std7

Client ID:

Operator ID: jcm

ALS Bottle#: 10

Worklist Smp#: 10

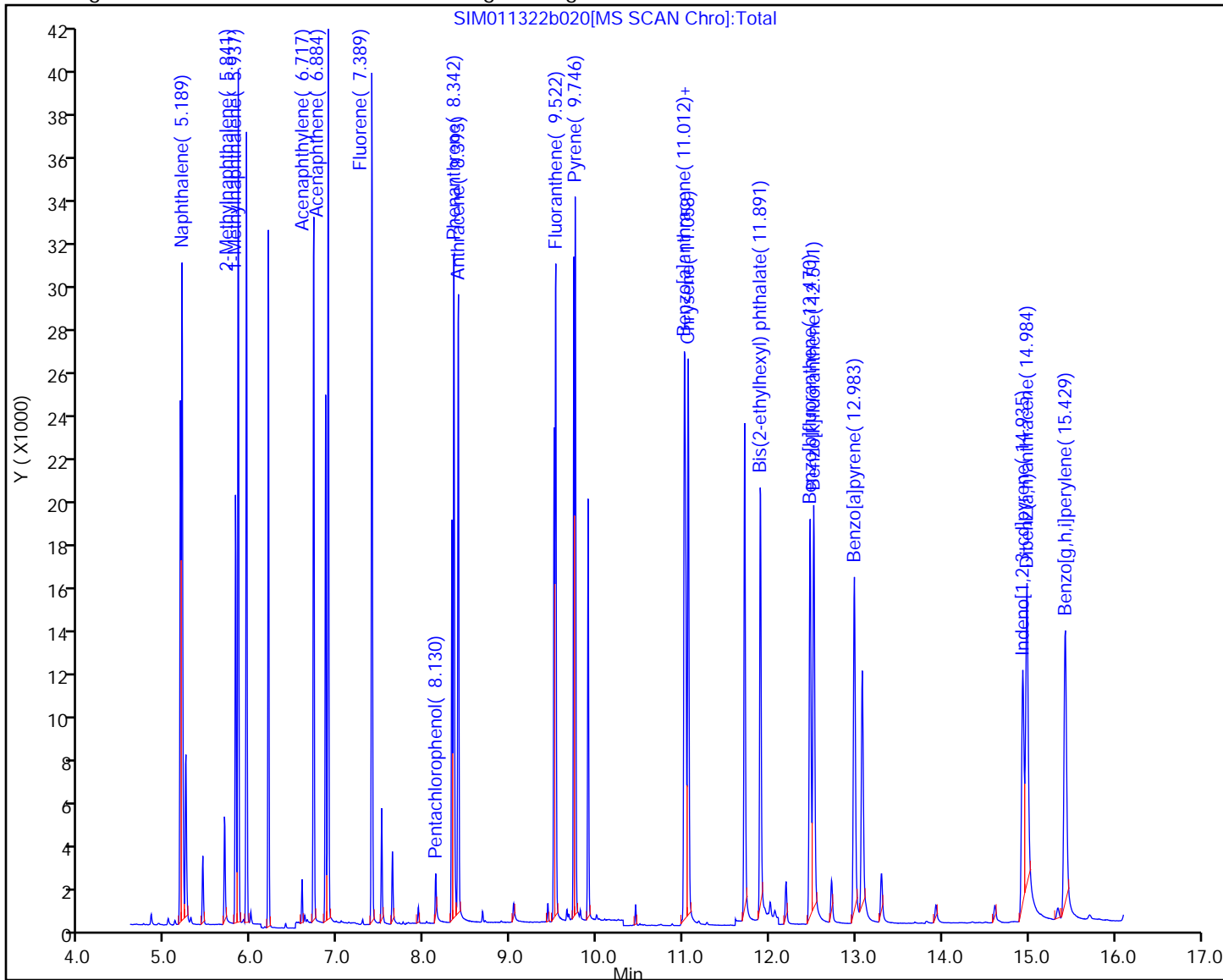
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

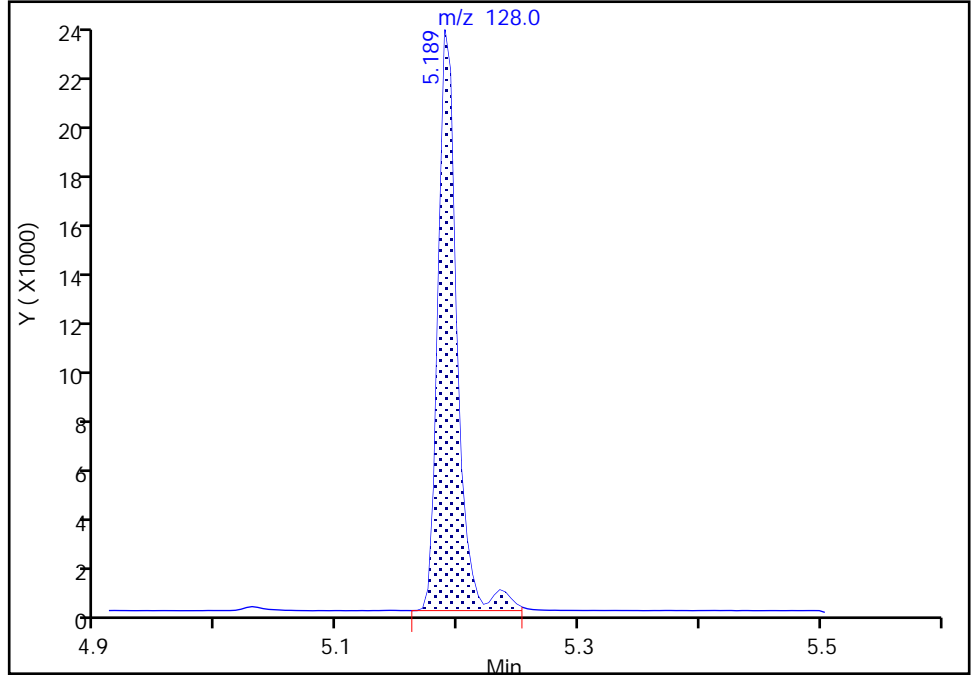
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050
Lims ID: std7
Client ID:
Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

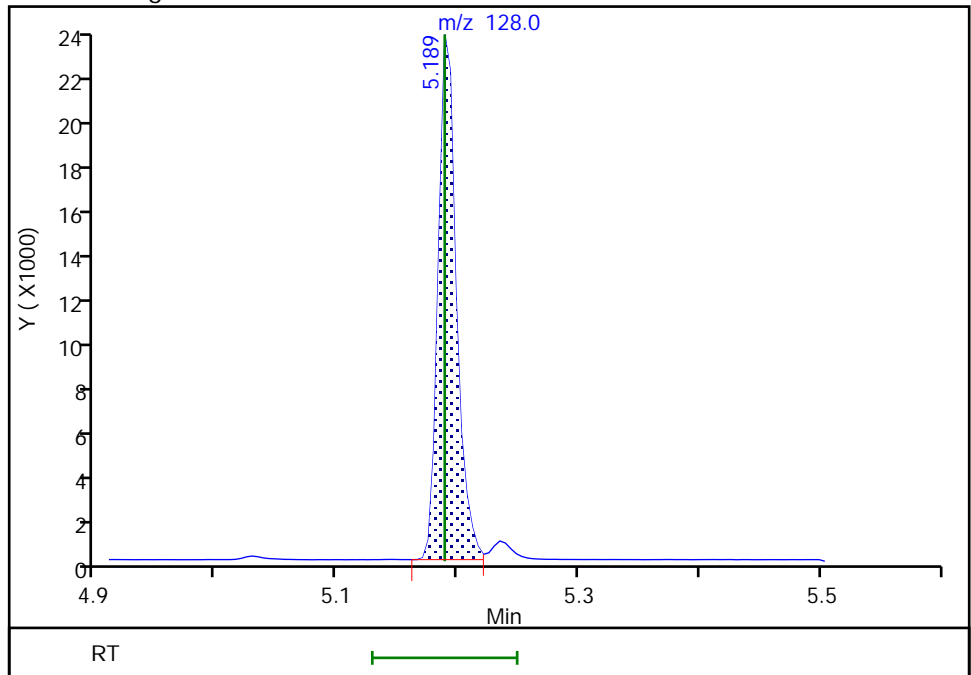
RT: 5.19
Area: 25141
Amount: 102.4086
Amount Units: ug/L

Processing Integration Results



RT: 5.19
Area: 24209
Amount: 100.1110
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:12:30
Audit Action: Split an Integrated Peak

Audit Reason: Shouldering

Eurofins Seattle

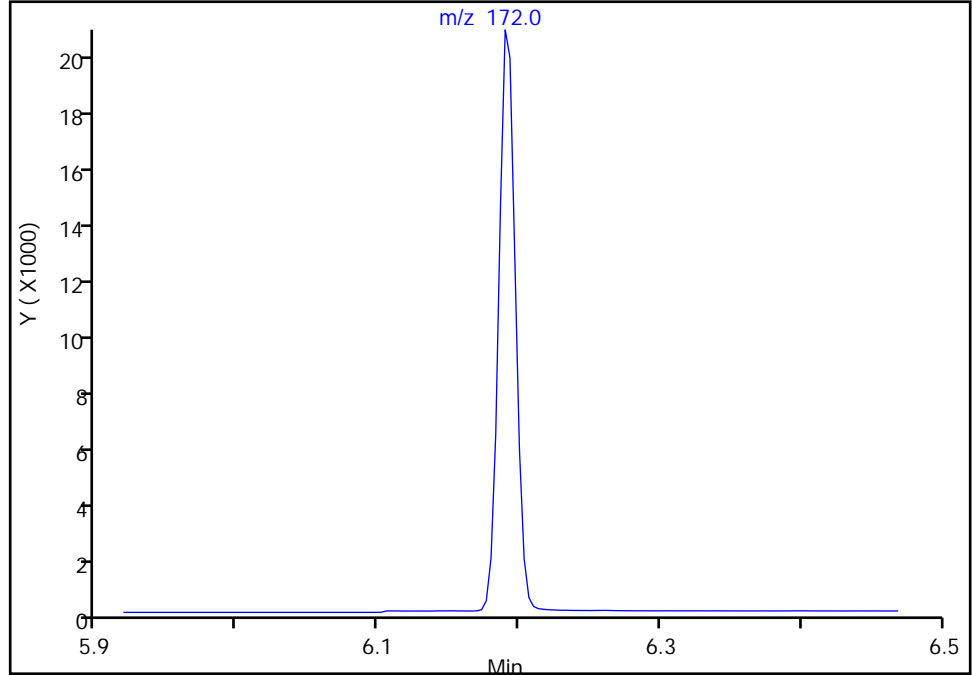
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050
Lims ID: std7
Client ID:
Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

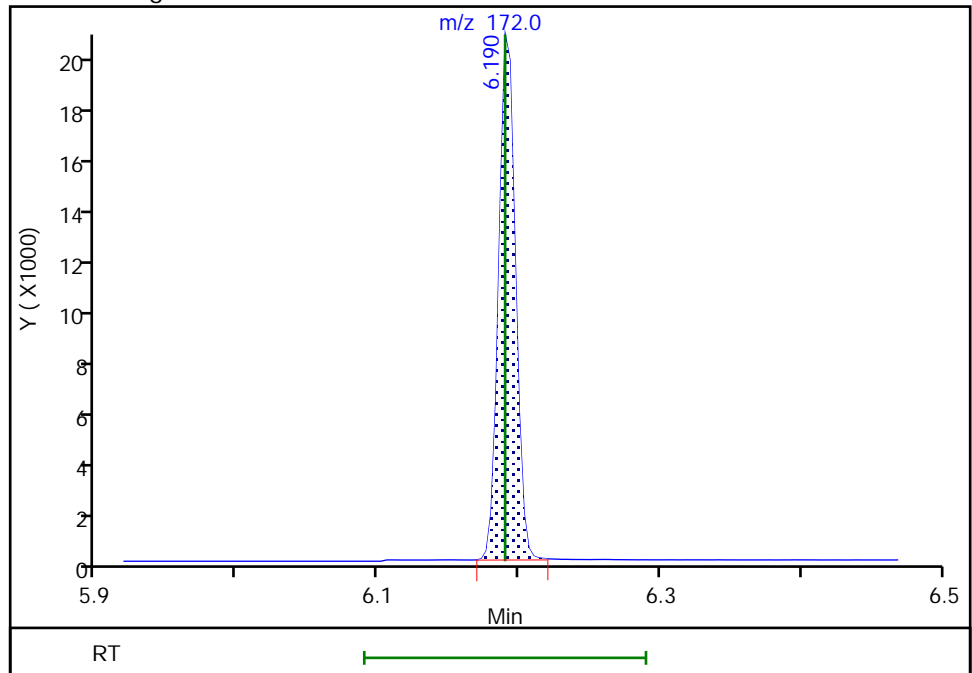
Not Detected
Expected RT: 6.19

Processing Integration Results



RT: 6.19
Area: 16655
Amount: 99.819865
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:12:16
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

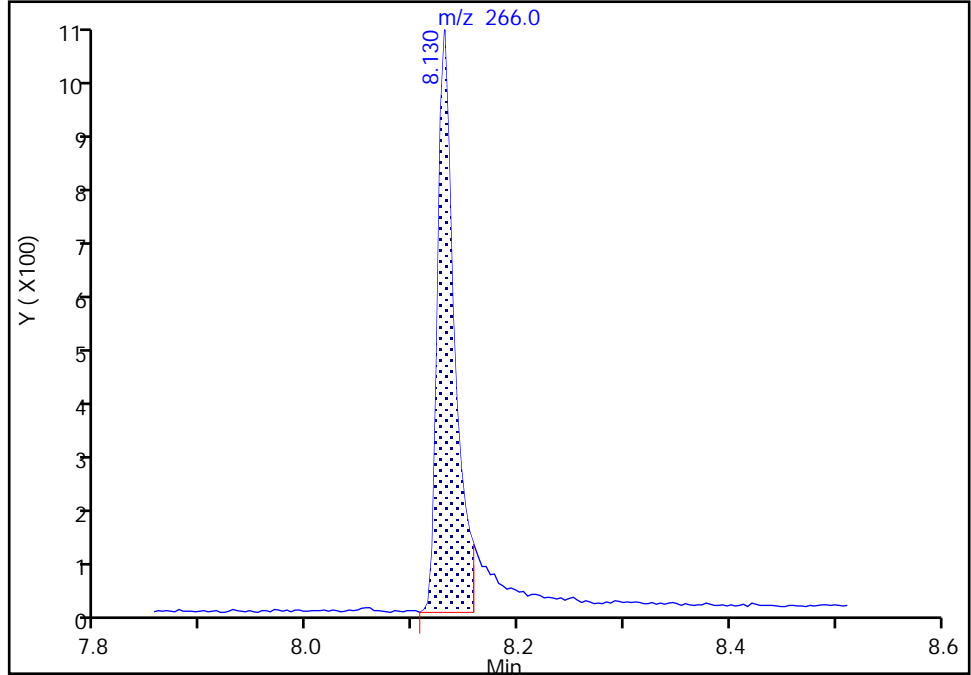
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050
Lims ID: std7
Client ID:
Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

17 Pentachlorophenol, CAS: 87-86-5

Signal: 1

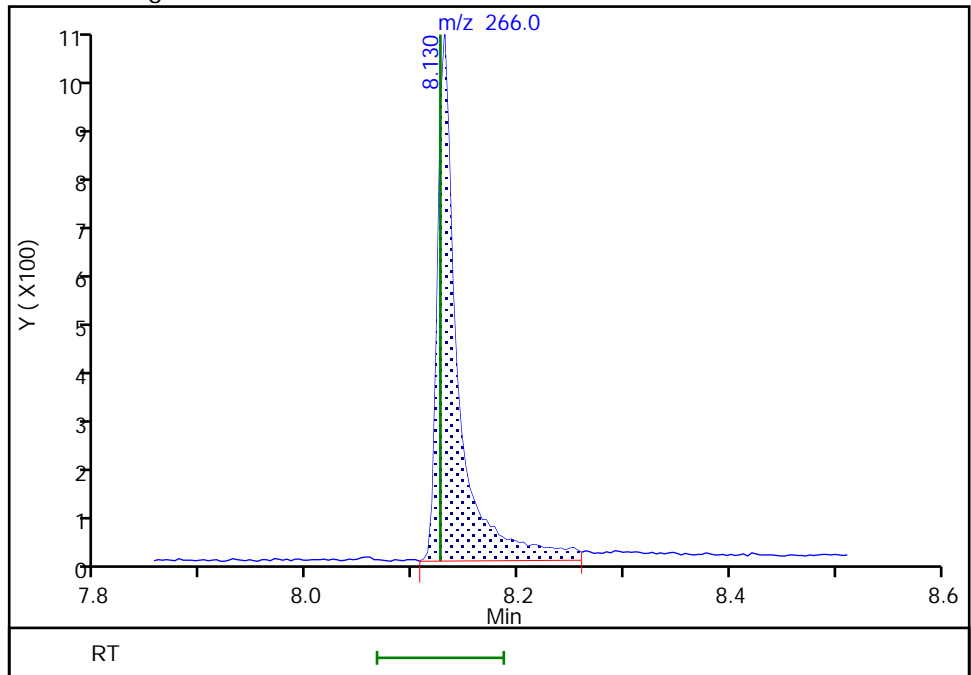
RT: 8.13
Area: 1114
Amount: 366.3377
Amount Units: ug/L

Processing Integration Results



RT: 8.13
Area: 1359
Amount: 178.9521
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:12:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

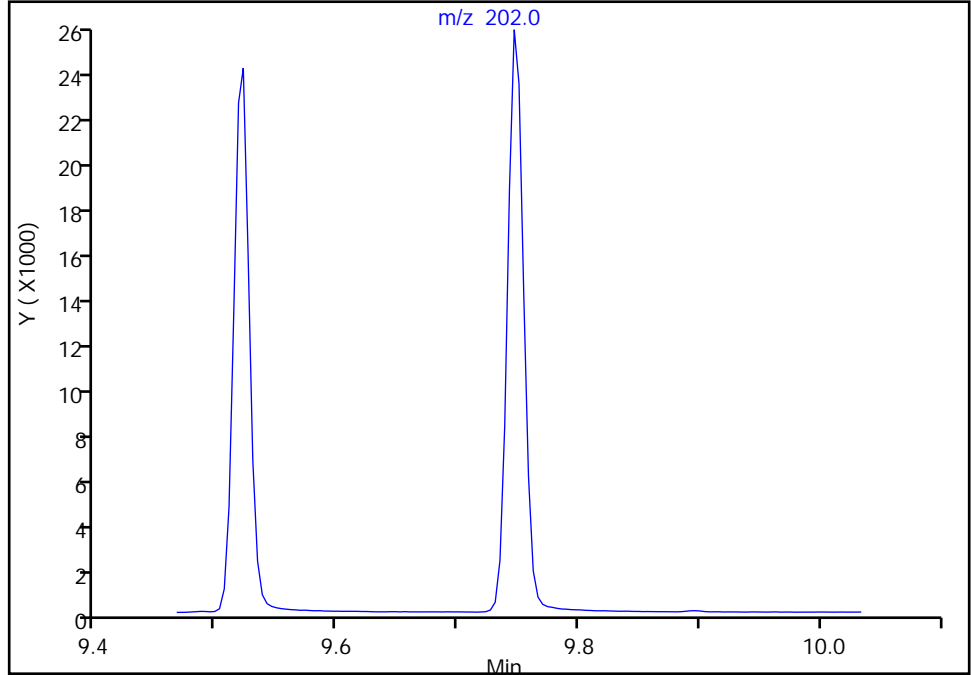
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050
Lims ID: std7
Client ID:
Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Pyrene, CAS: 129-00-0

Signal: 1

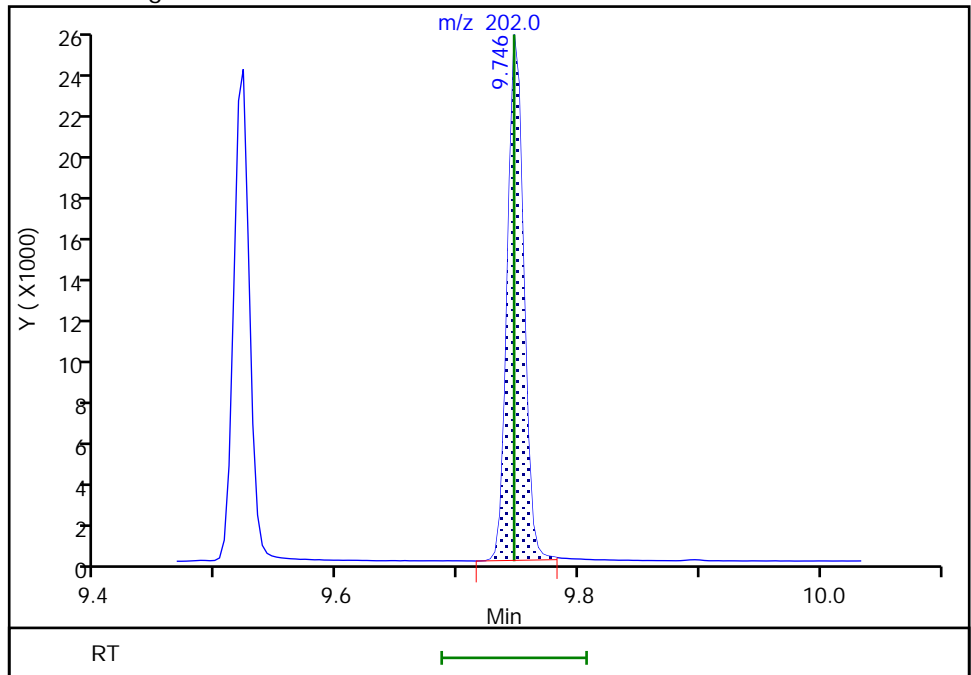
Not Detected
Expected RT: 9.75

Processing Integration Results



RT: 9.75
Area: 23304
Amount: 105.9194
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:12:50
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Seattle

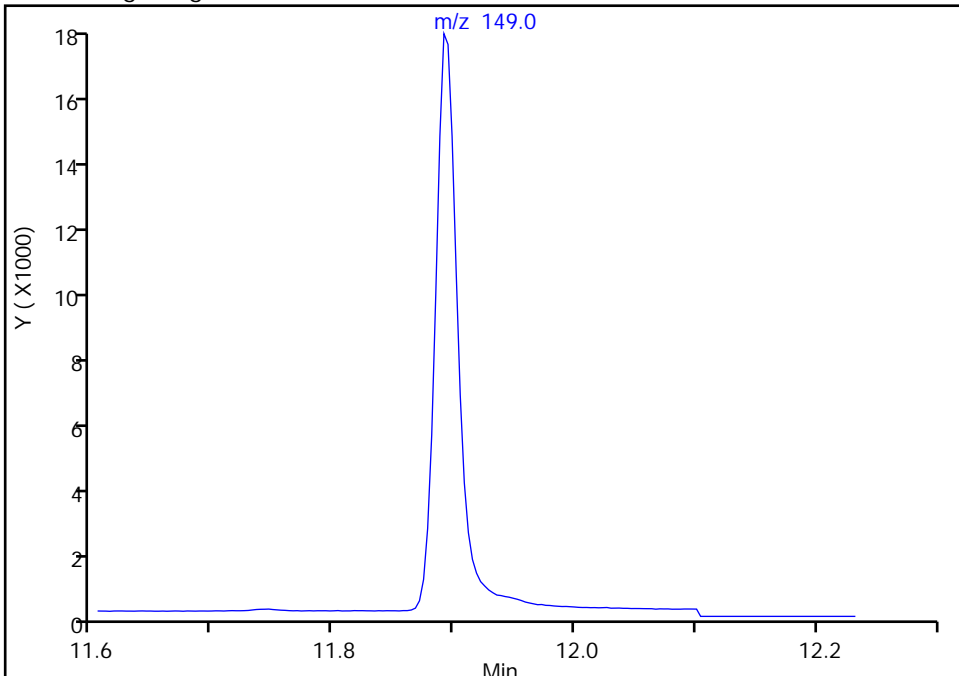
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050
Lims ID: std7
Client ID:
Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

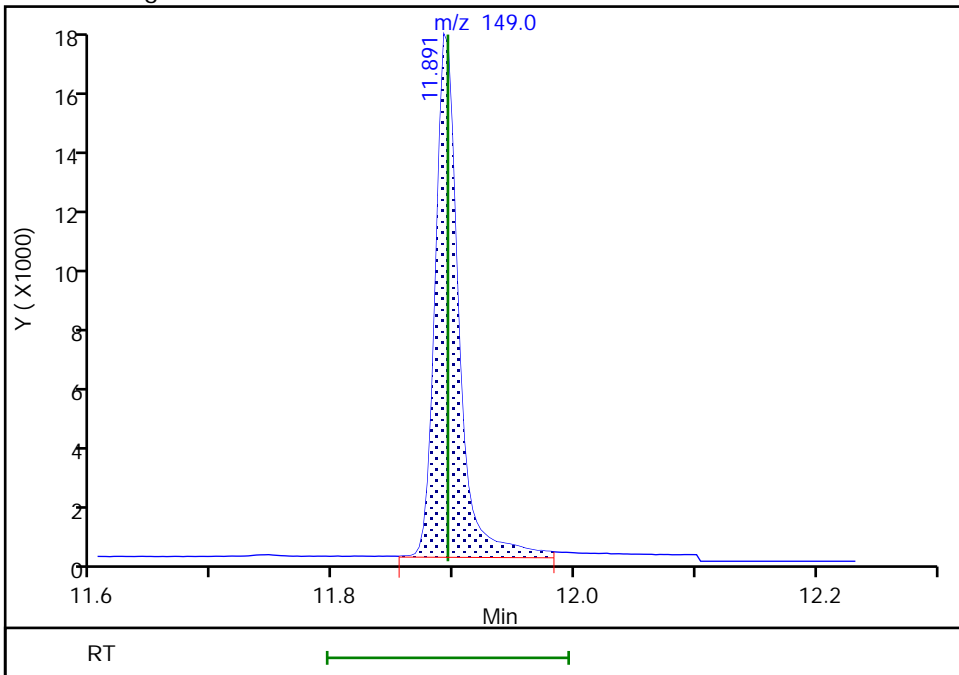
Not Detected
Expected RT: 11.89

Processing Integration Results



RT: 11.89
Area: 23812
Amount: 105.0054
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:13:08
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

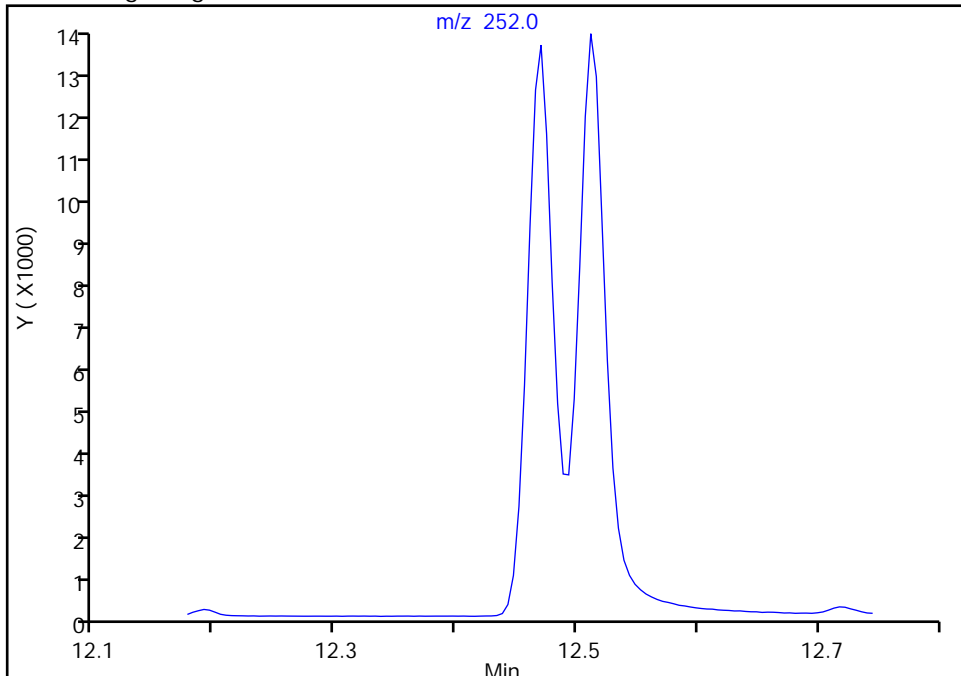
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050
Lims ID: std7
Client ID:
Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

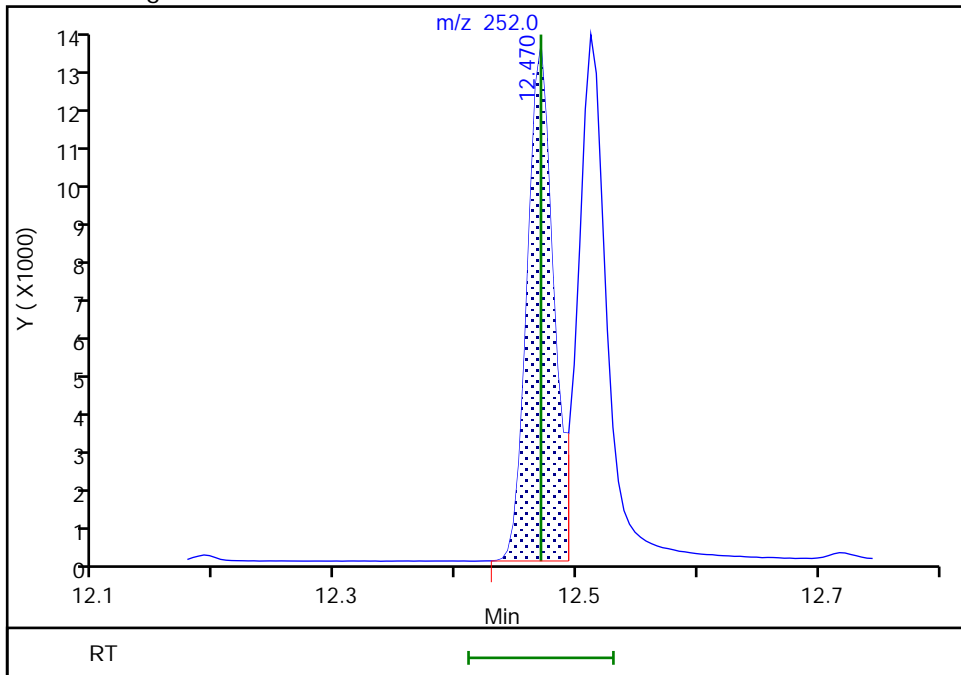
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 20162
Amount: 98.394676
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:13:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

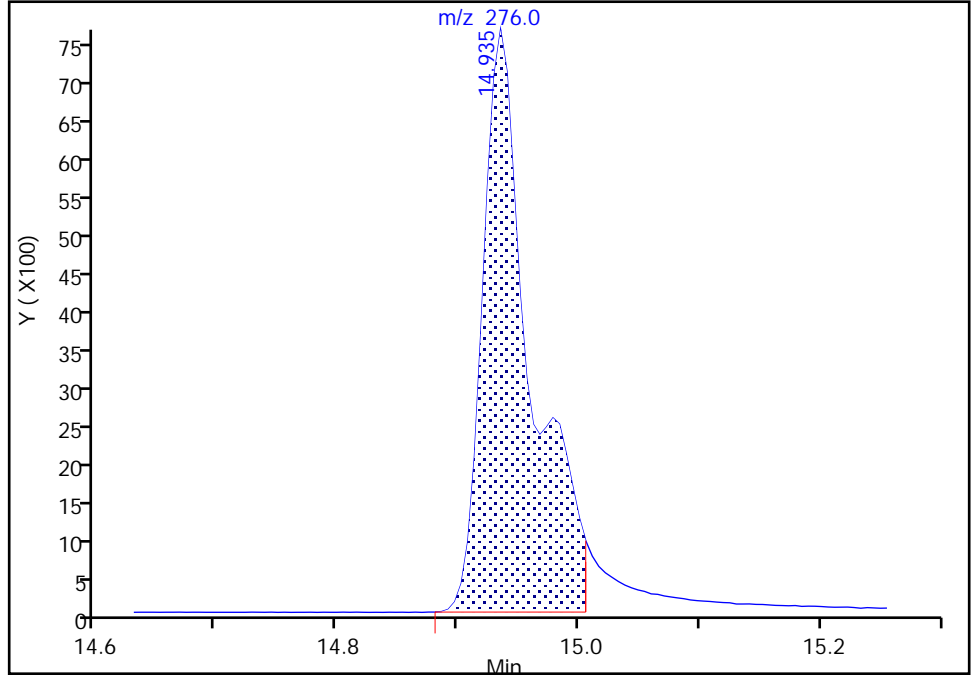
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050
Lims ID: std7
Client ID:
Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

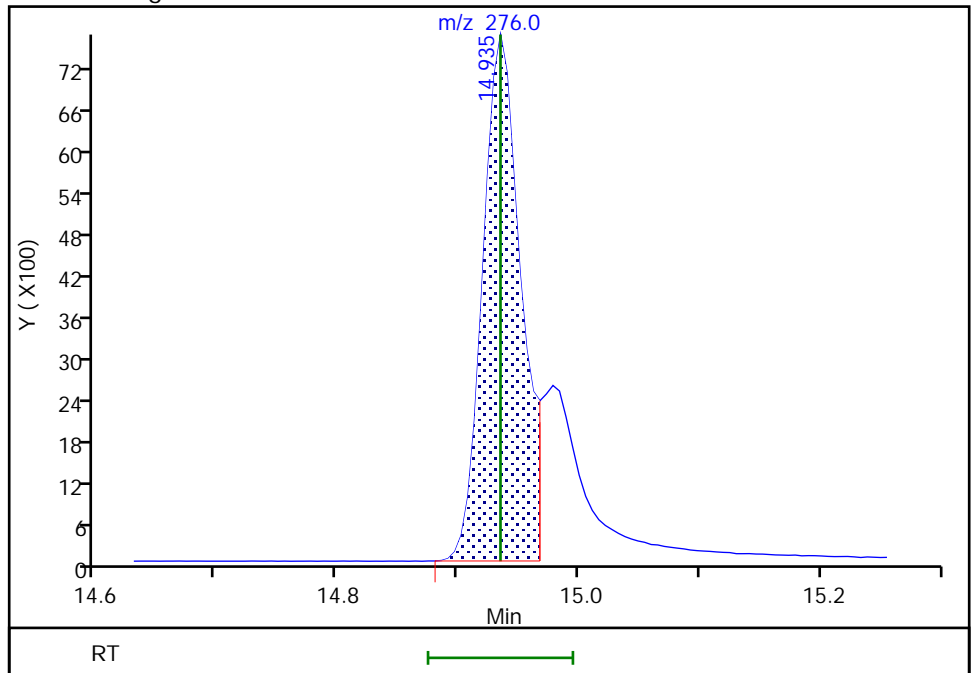
RT: 14.94
Area: 21055
Amount: 112.4300
Amount Units: ug/L

Processing Integration Results



RT: 14.94
Area: 16508
Amount: 97.368934
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:13:47
Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Seattle

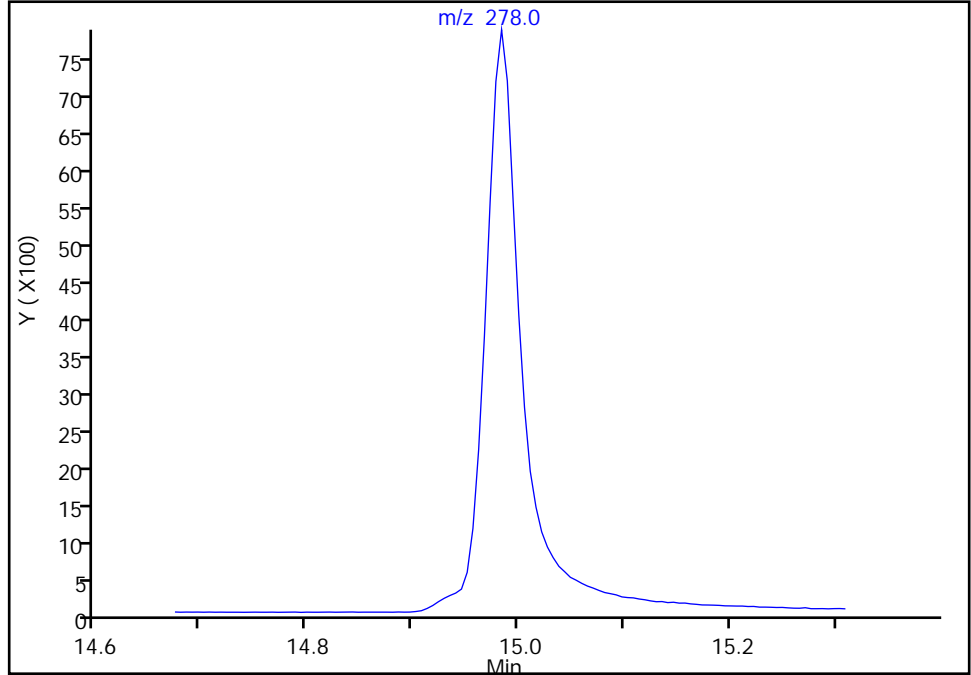
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050
Lims ID: std7
Client ID:
Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

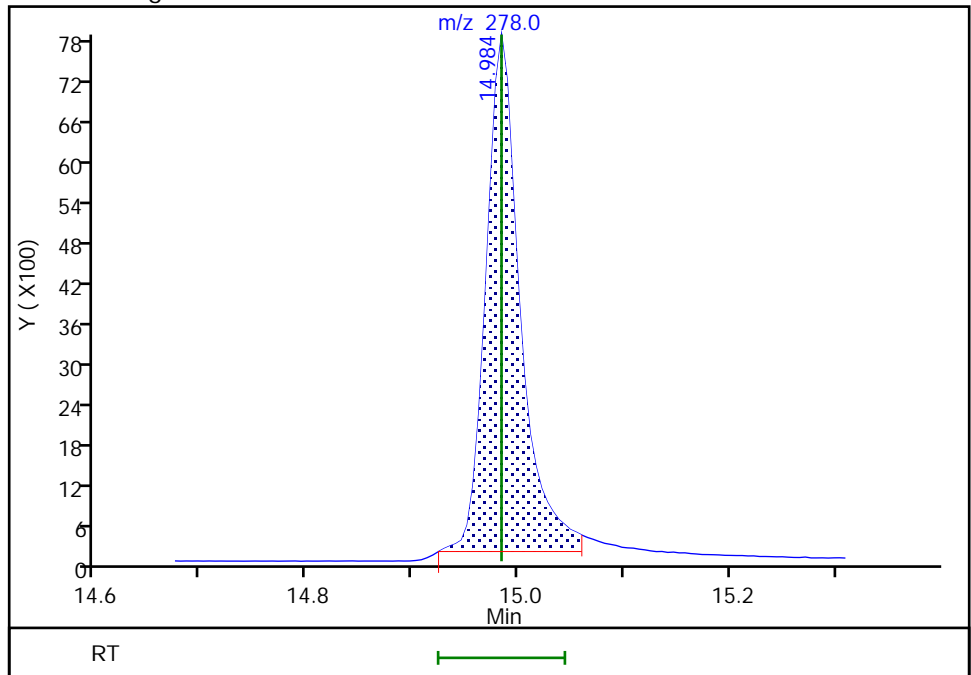
Not Detected
Expected RT: 14.98

Processing Integration Results



RT: 14.98
Area: 17159
Amount: 86.993762
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:13:50
Audit Action: Assigned Compound ID

Audit Reason: Split Peak

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
 Lims ID: std6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 14-Jan-2022 03:29:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 6
 Operator ID: jcm Instrument ID: TAC050
 Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 14-Jan-2022 15:42:15 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:06:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	21416	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	71	9708	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	14771	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	52	11375	100.0	100.0	
* 5 Perylene-d12	264	13.074	13.074	0.000	69	13641	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	6298	50.0	49.7	
\$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	7866	50.0	50.6	M
\$ 7 2,4,6-Tribromophenol	330	7.632	7.628	0.004	58	941	50.0	41.7	
\$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	7543	50.0	48.3	
\$ 9 Terphenyl-d14	244	9.900	9.896	0.004	95	5408	50.0	45.7	
11 Naphthalene	128	5.189	5.189	0.000	100	11320	50.0	50.0	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	96	6407	50.0	49.9	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	98	6120	50.0	49.2	
14 Acenaphthylene	152	6.717	6.717	0.000	100	10119	50.0	49.3	
15 Acenaphthene	153	6.884	6.884	0.000	96	6356	50.0	49.3	
16 Fluorene	166	7.389	7.389	0.000	97	6796	50.0	47.3	
17 Pentachlorophenol	266	8.134	8.126	0.008	97	304	100.0	107.1	M
18 Phenanthrene	178	8.342	8.342	0.000	100	9336	50.0	49.2	
19 Anthracene	178	8.393	8.389	0.004	100	9222	50.0	48.3	
20 Fluoranthene	202	9.522	9.522	0.000	52	9180	50.0	48.9	
21 Pyrene	202	9.746	9.746	0.000	52	9389	50.0	47.4	
22 Benzo[a]anthracene	228	11.012	11.012	0.000	95	7909	50.0	47.1	
23 Chrysene	228	11.058	11.057	0.001	99	8840	50.0	50.4	
30 Bis(2-ethylhexyl) phthalate	149	11.891	11.895	-0.004	0	9999	50.0	51.2	M
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	98	8556	50.0	47.3	Ma
25 Benzo[k]fluoranthene	252	12.511	12.511	0.000	95	9574	50.0	47.3	
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	8346	50.0	46.2	
27 Indeno[1,2,3-cd]pyrene	276	14.940	14.935	0.005	96	6730	50.0	45.5	M
28 Dibenz(a,h)anthracene	278	14.989	14.984	0.005	96	8317	50.0	47.9	Ma
29 Benzo[g,h,i]perylene	276	15.429	15.429	0.000	96	8933	50.0	47.4	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

8270ccvl_50_00039

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D

Injection Date: 14-Jan-2022 03:29:30

Instrument ID: TAC050

Lims ID: std6

Client ID:

Operator ID: jcm

ALS Bottle#: 11

Worklist Smp#: 11

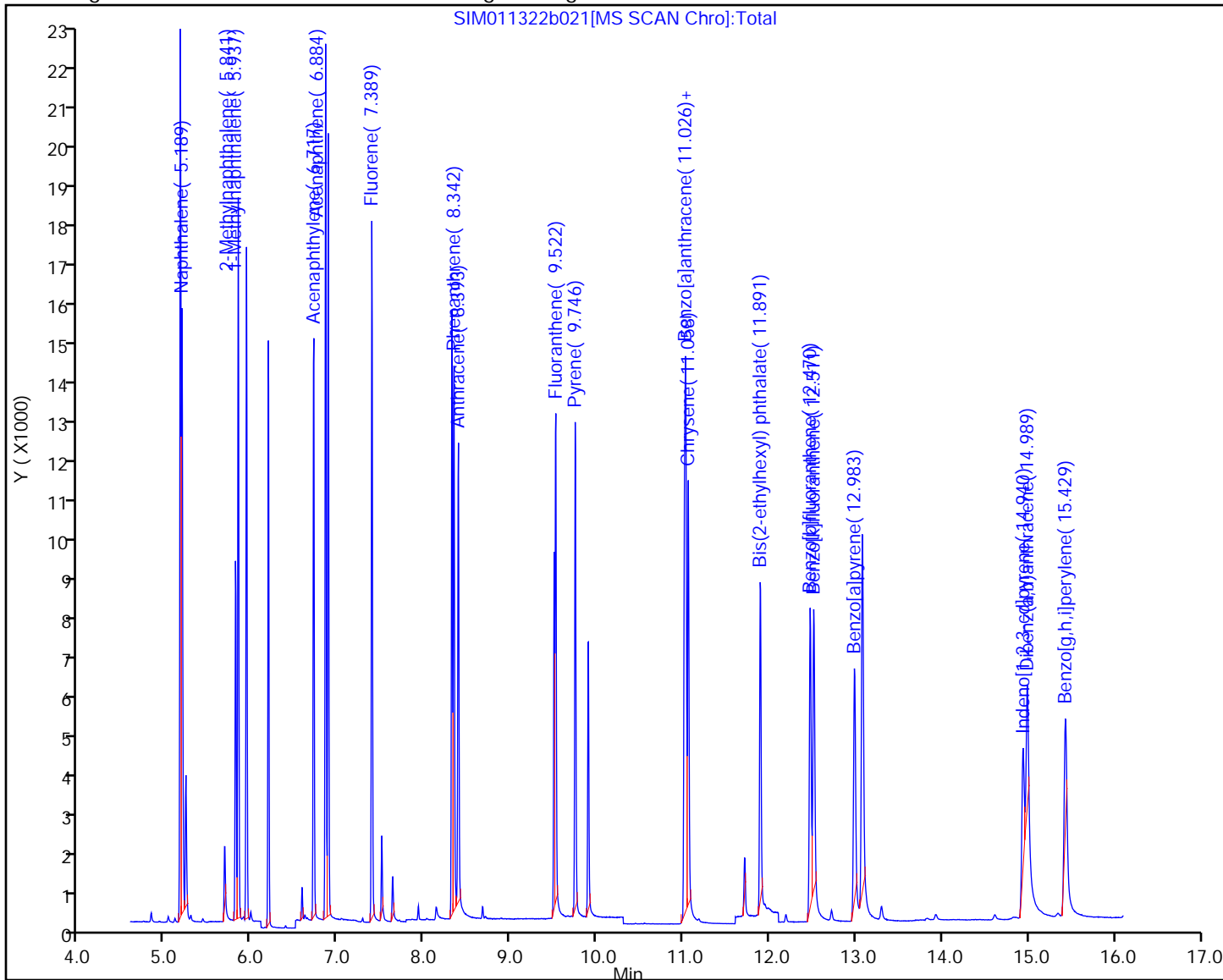
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

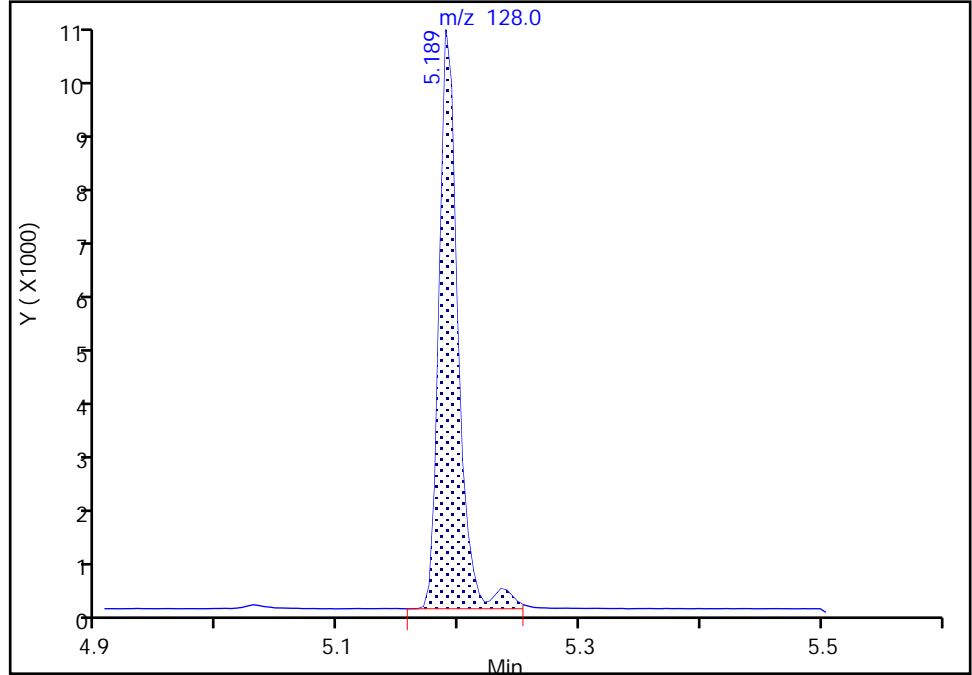
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050
Lims ID: std6
Client ID:
Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

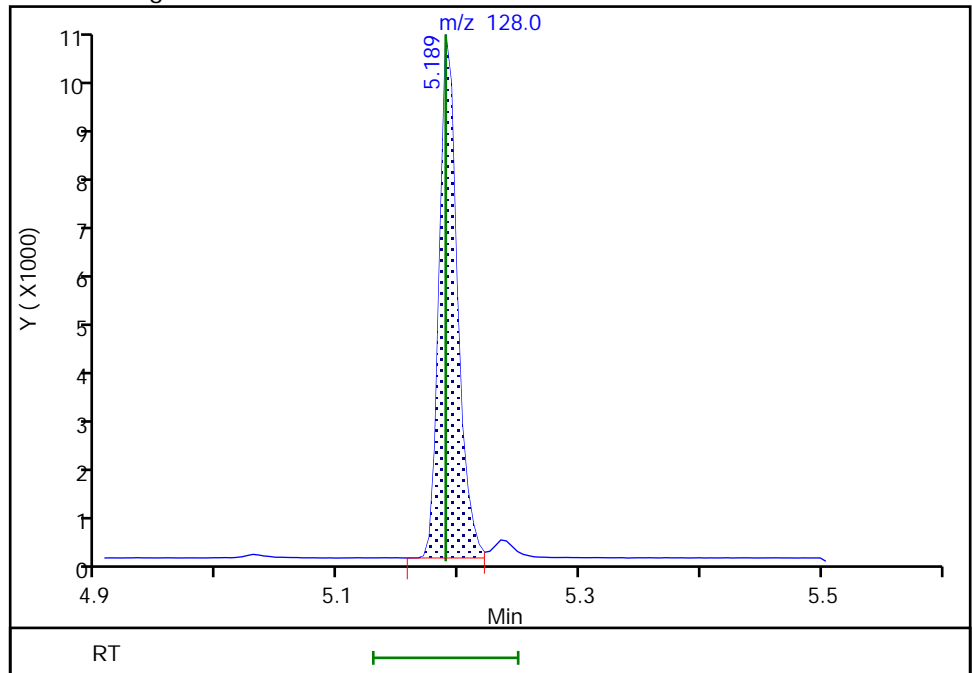
RT: 5.19
Area: 11759
Amount: 51.265537
Amount Units: ug/L

Processing Integration Results



RT: 5.19
Area: 11320
Amount: 49.976441
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:15:29
Audit Action: Split an Integrated Peak

Audit Reason: Shouldering

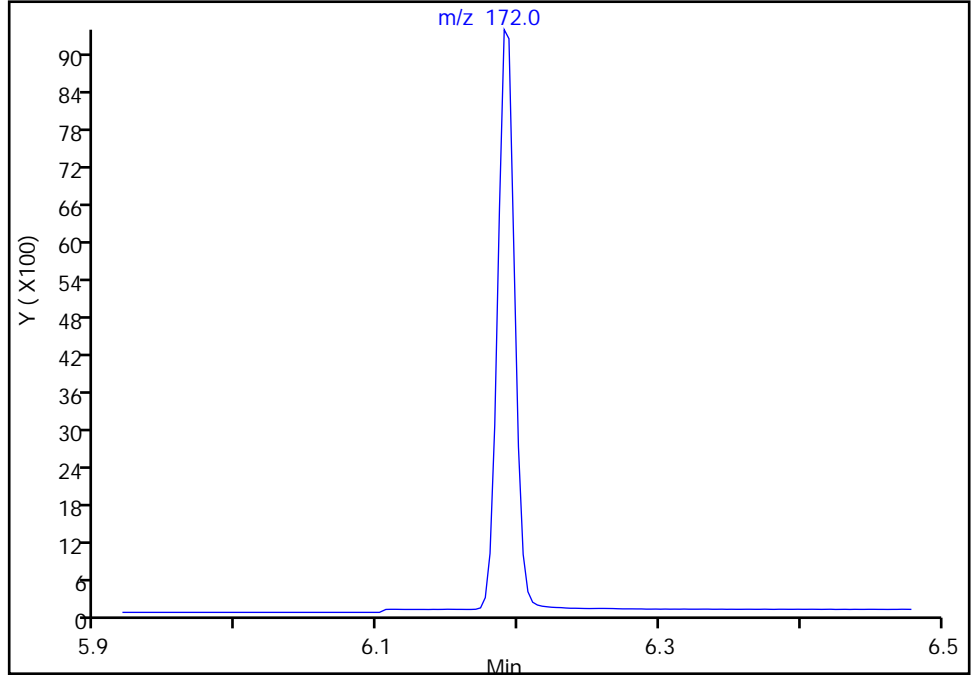
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050
Lims ID: std6
Client ID:
Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8
Signal: 1

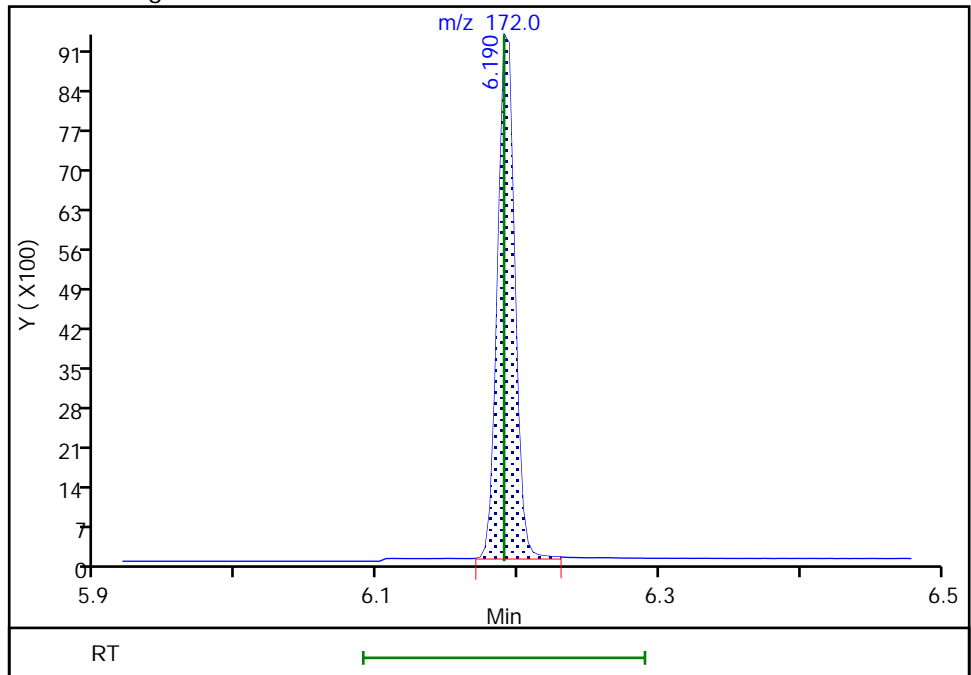
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 7866
Amount: 50.635592
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:15:40
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

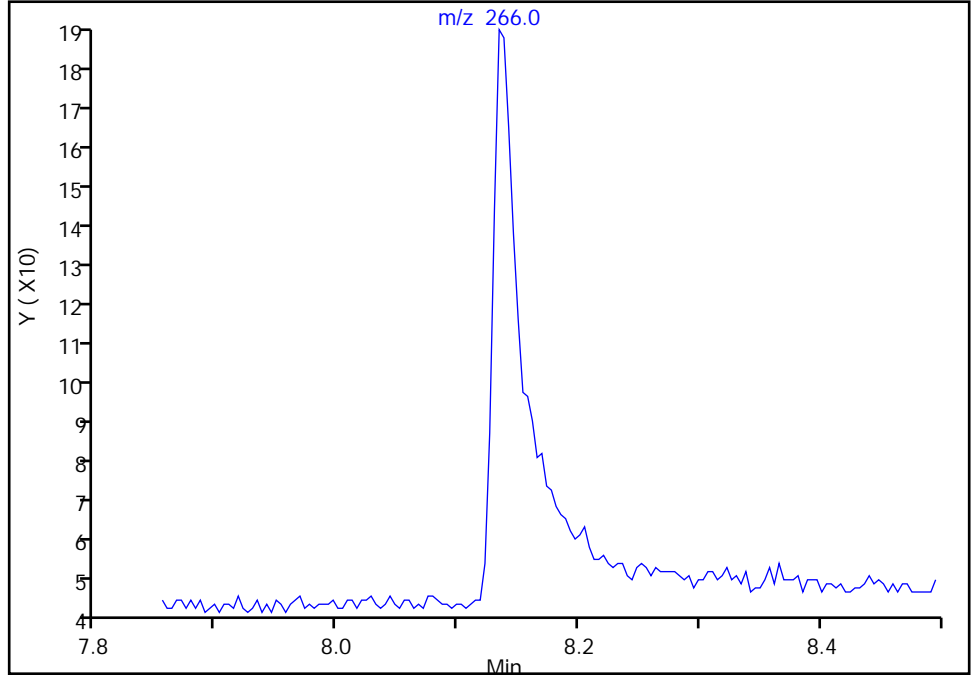
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050
Lims ID: std6
Client ID:
Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

17 Pentachlorophenol, CAS: 87-86-5

Signal: 1

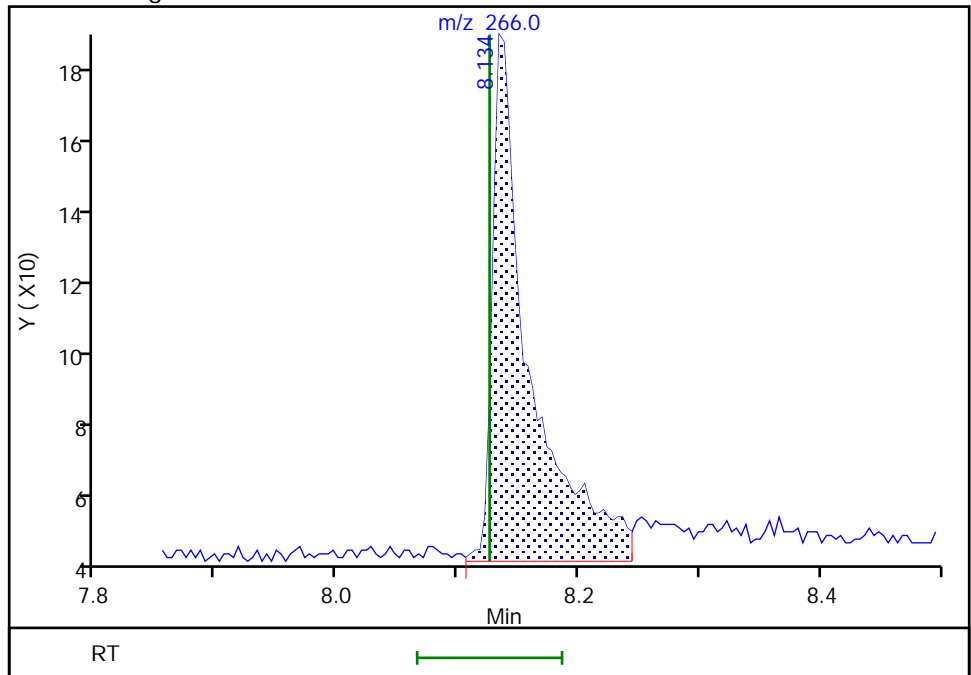
Not Detected
Expected RT: 8.13

Processing Integration Results



Manual Integration Results

RT: 8.13
Area: 304
Amount: 107.1297
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:15:19
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

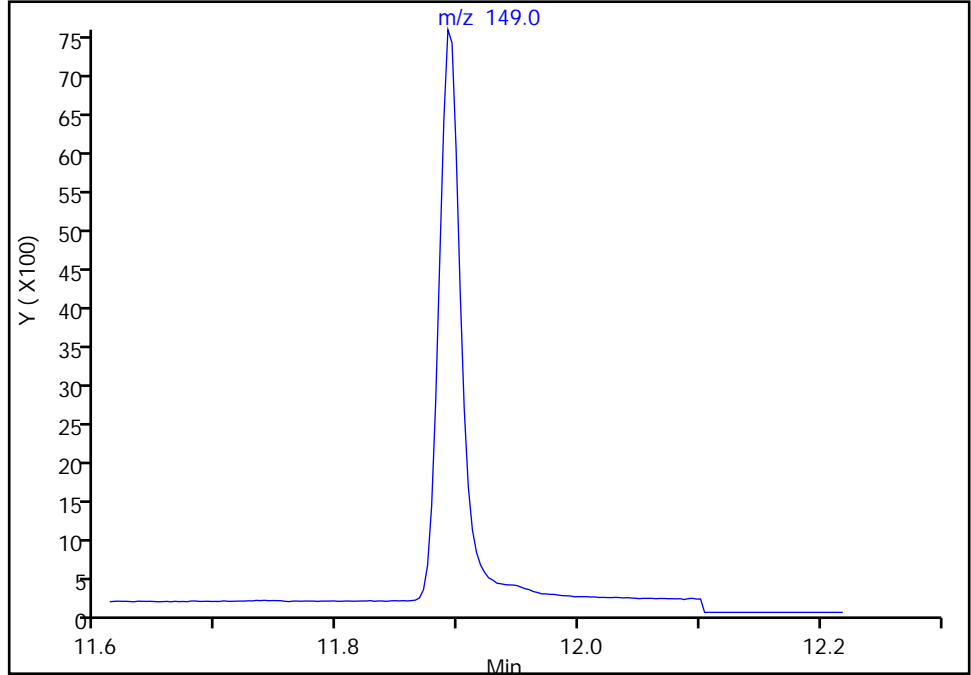
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050
Lims ID: std6
Client ID:
Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

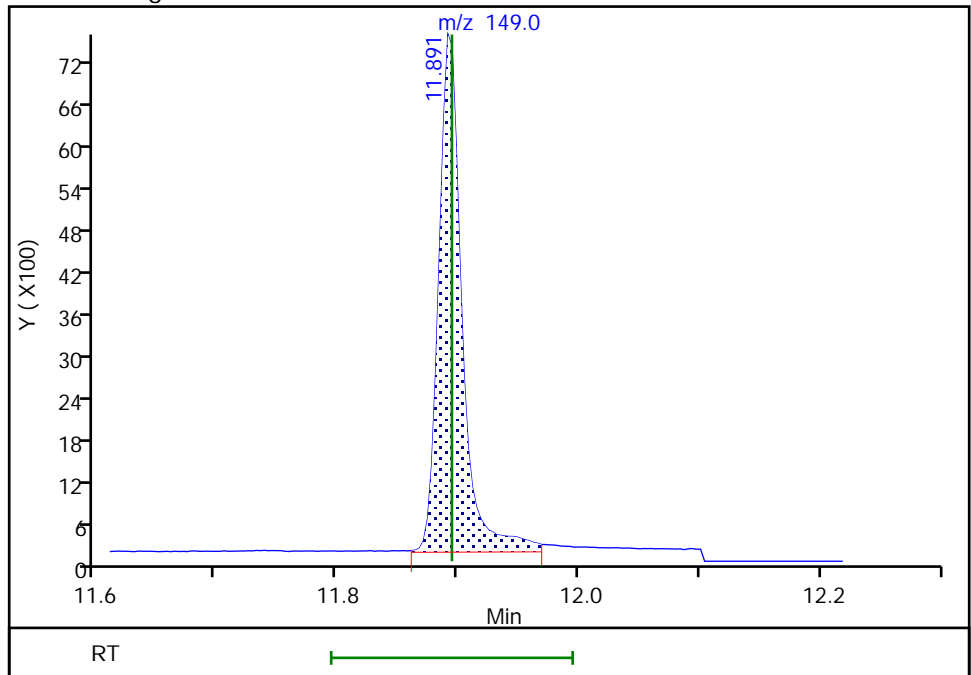
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 9999
Amount: 51.226792
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:15:00
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

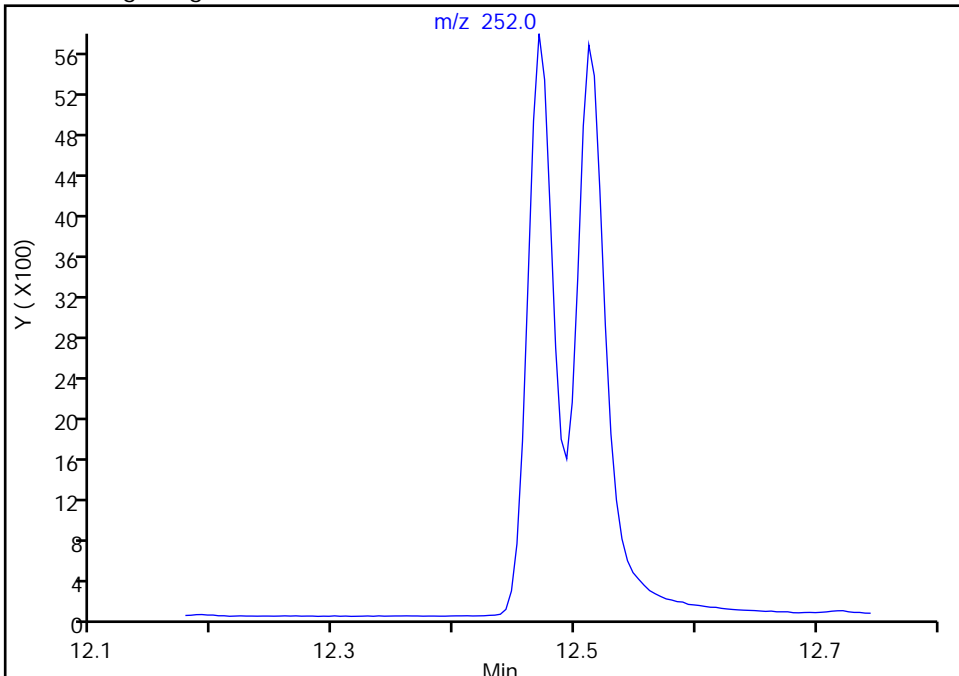
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050
Lims ID: std6
Client ID:
Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

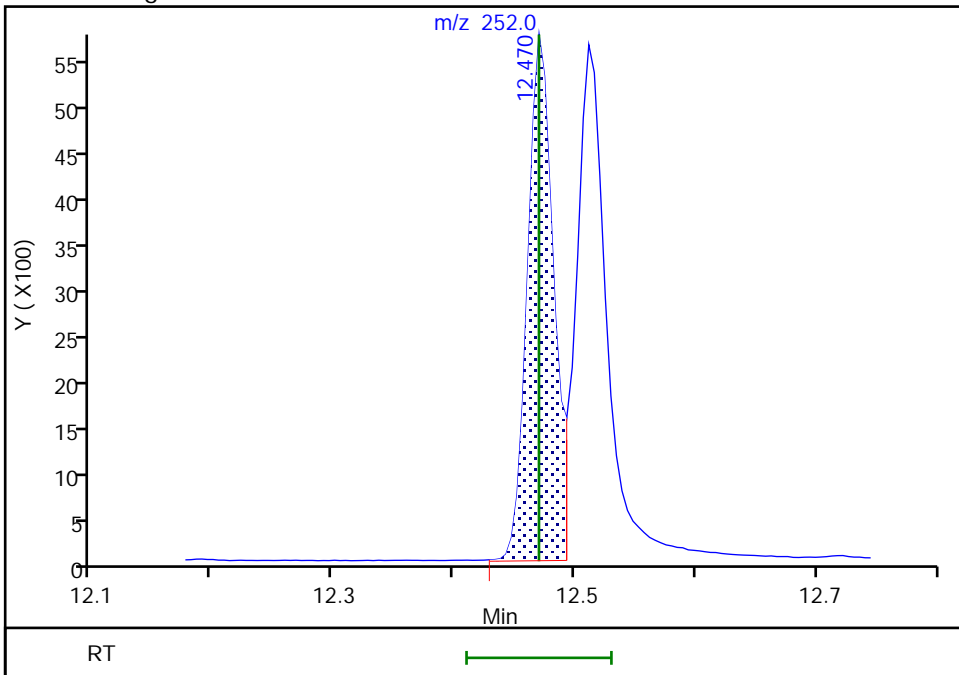
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 8556
Amount: 47.298391
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:14:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

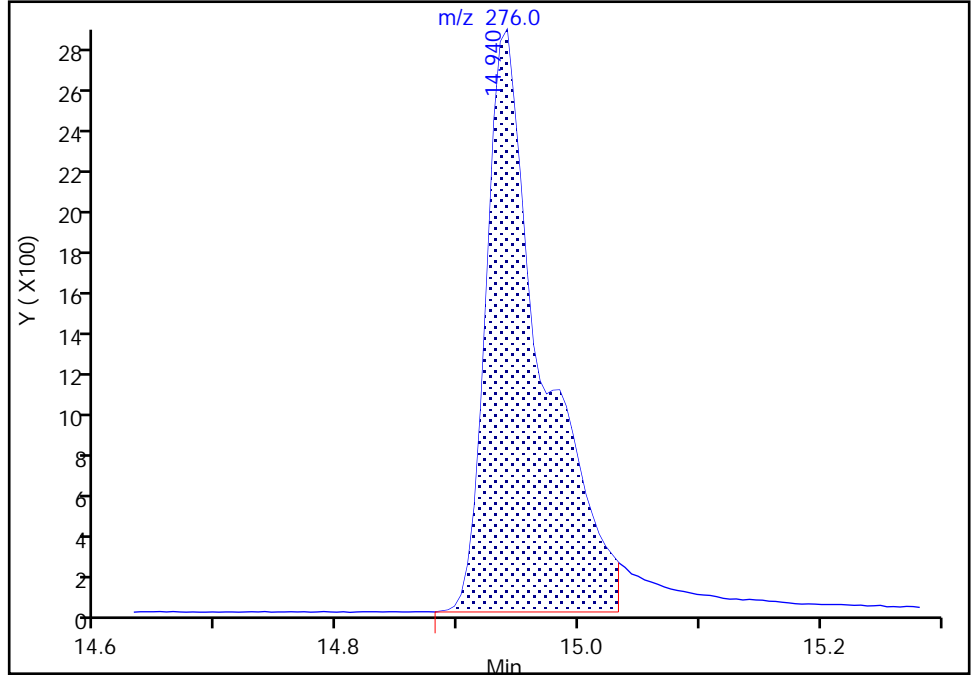
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050
Lims ID: std6
Client ID:
Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

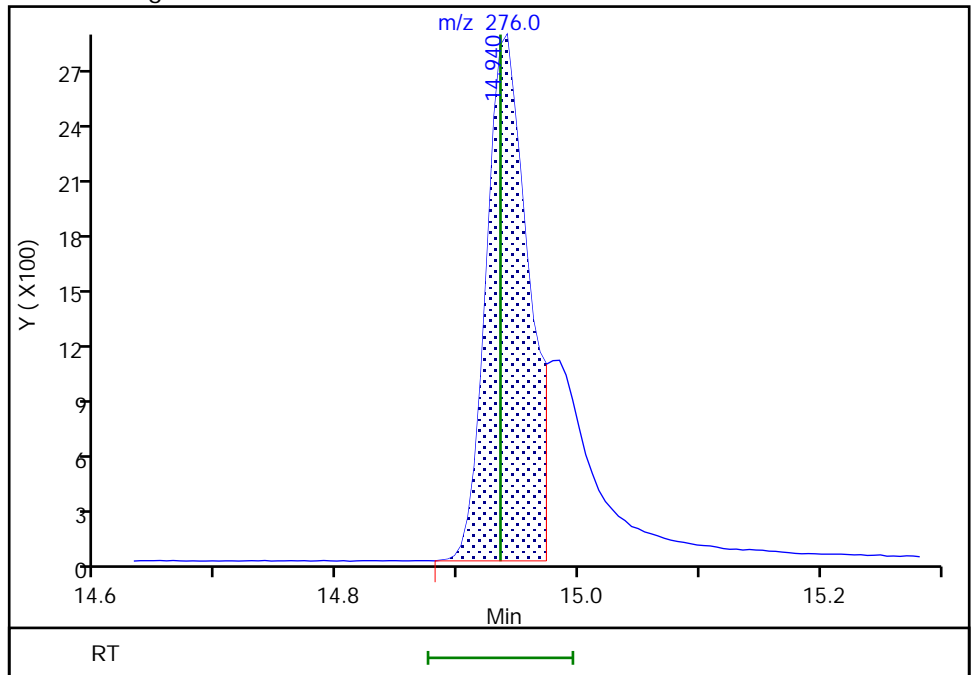
RT: 14.94
Area: 9130
Amount: 55.625137
Amount Units: ug/L

Processing Integration Results



RT: 14.94
Area: 6730
Amount: 45.508891
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:14:35
Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Seattle

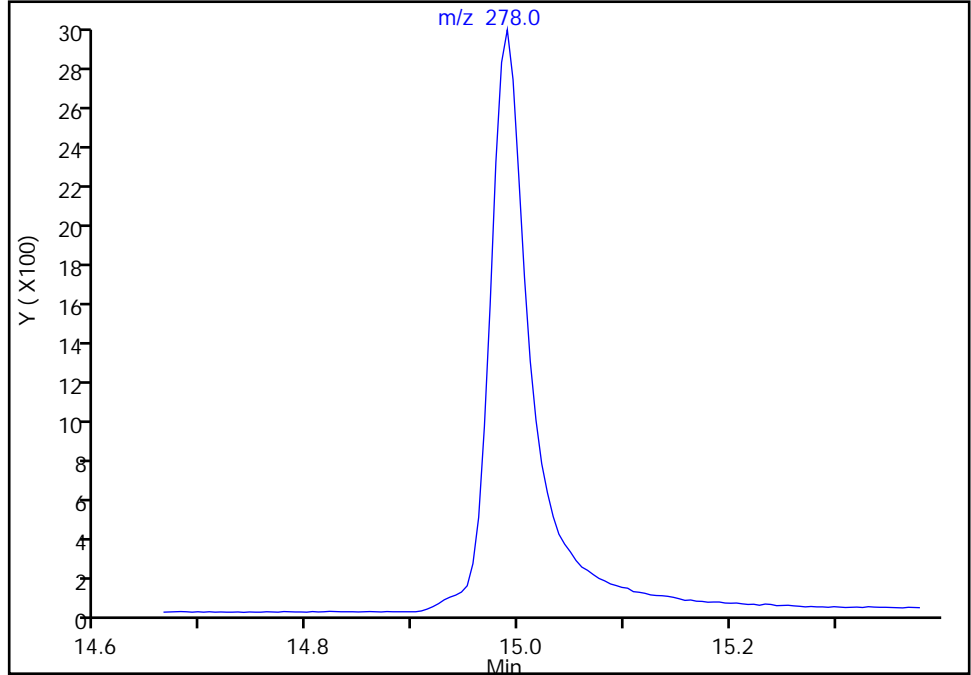
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050
Lims ID: std6
Client ID:
Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

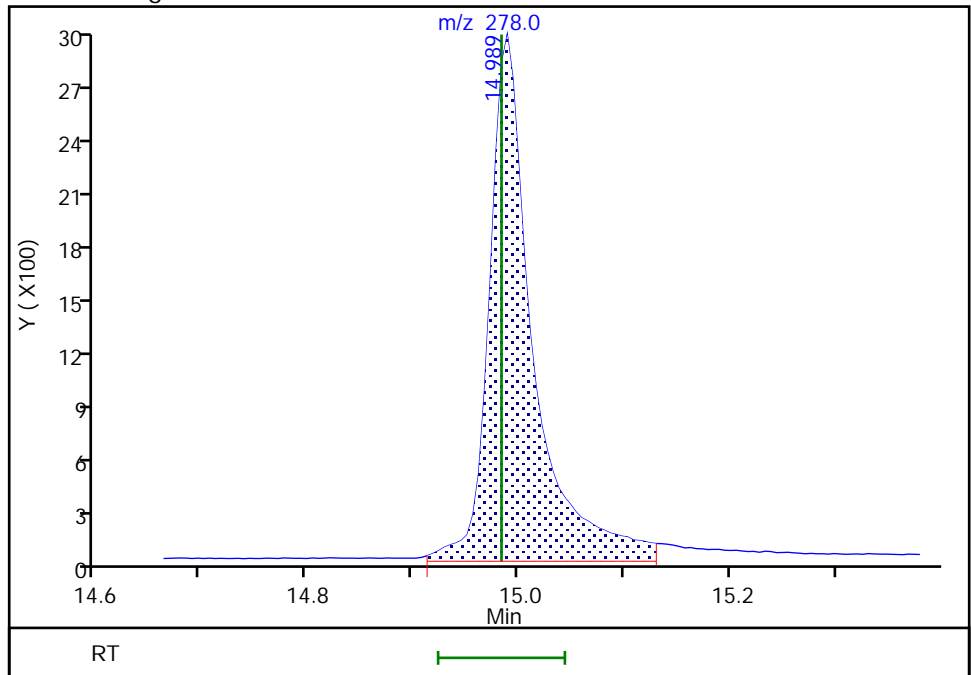
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 14.99
Area: 8317
Amount: 47.918372
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:14:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

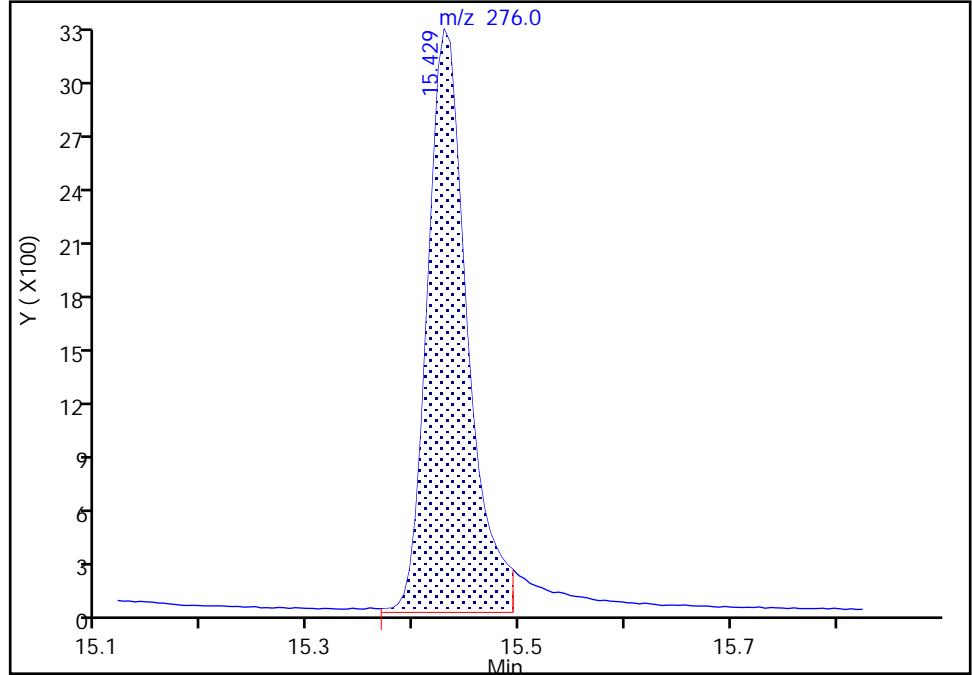
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050
Lims ID: std6
Client ID:
Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

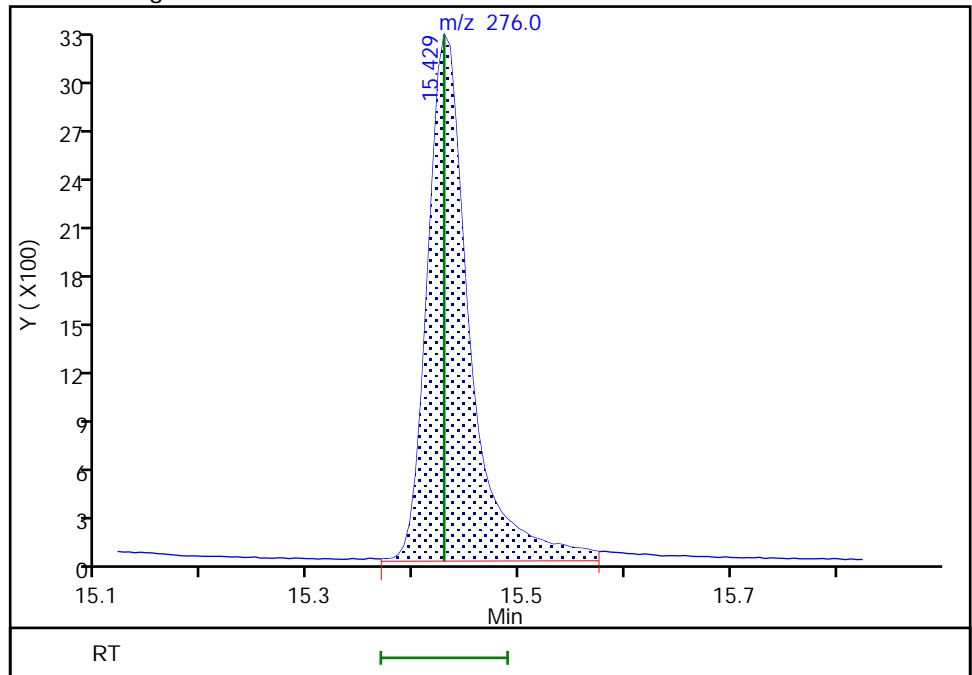
RT: 15.43
Area: 8423
Amount: 44.421994
Amount Units: ug/L

Processing Integration Results



RT: 15.43
Area: 8933
Amount: 47.371003
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:14:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 14-Jan-2022 03:48:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 5
 Operator ID: jcm Instrument ID: TAC050
 Sublist: chrom-TAC050_SIM_PAH*sub9
 Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 14-Jan-2022 15:42:17 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:08:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	21291	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	71	9613	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	14596	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	51	11088	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.074	0.005	69	13110	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	2533	20.0	20.1	
\$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	3165	20.0	20.6	M
\$ 7 2,4,6-Tribromophenol	330	7.632	7.628	0.004	59	396	20.0	20.8	M
\$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	3024	20.0	18.9	
\$ 9 Terphenyl-d14	244	9.900	9.896	0.004	95	2154	20.0	18.4	
11 Naphthalene	128	5.189	5.189	0.000	100	4620	20.0	20.5	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	96	2578	20.0	20.2	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	98	2491	20.0	20.1	
14 Acenaphthylene	152	6.717	6.717	0.000	100	4001	20.0	19.7	
15 Acenaphthene	153	6.884	6.884	0.000	96	2549	20.0	20.0	
16 Fluorene	166	7.394	7.389	0.005	93	2657	20.0	18.7	
17 Pentachlorophenol	266	8.146	8.126	0.020	99	49	40.0	85.5	M
18 Phenanthrene	178	8.342	8.342	0.000	100	3789	20.0	19.5	
19 Anthracene	178	8.393	8.389	0.004	100	3797	20.0	19.6	
20 Fluoranthene	202	9.522	9.522	0.000	52	3616	20.0	18.8	
21 Pyrene	202	9.750	9.746	0.004	51	3774	20.0	18.5	
22 Benzo[a]anthracene	228	11.017	11.012	0.005	90	3279	20.0	19.3	M
23 Chrysene	228	11.058	11.057	0.001	99	3566	20.0	20.0	
30 Bis(2-ethylhexyl) phthalate	149	11.891	11.895	-0.004	0	3545	20.0	18.2	M
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	98	3324	20.0	18.6	M
25 Benzo[k]fluoranthene	252	12.516	12.511	0.005	95	3813	20.0	19.1	Ma
26 Benzo[a]pyrene	252	12.987	12.983	0.004	97	3231	20.0	18.1	a
27 Indeno[1,2,3-cd]pyrene	276	14.940	14.935	0.005	96	2407	20.0	17.1	Ma
28 Dibenz(a,h)anthracene	278	14.989	14.984	0.005	97	2953	20.0	17.3	Ma
29 Benzo[g,h,i]perylene	276	15.434	15.429	0.005	93	3494	20.0	18.9	Ma

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

8270ccvl_50_00039

Amount Added: 400.00

Units: uL

8270SIM_IS_00069

Amount Added: 6.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D

Injection Date: 14-Jan-2022 03:48:30

Instrument ID: TAC050

Lims ID: std5

Client ID:

Operator ID: jcm

ALS Bottle#: 12

Worklist Smp#: 12

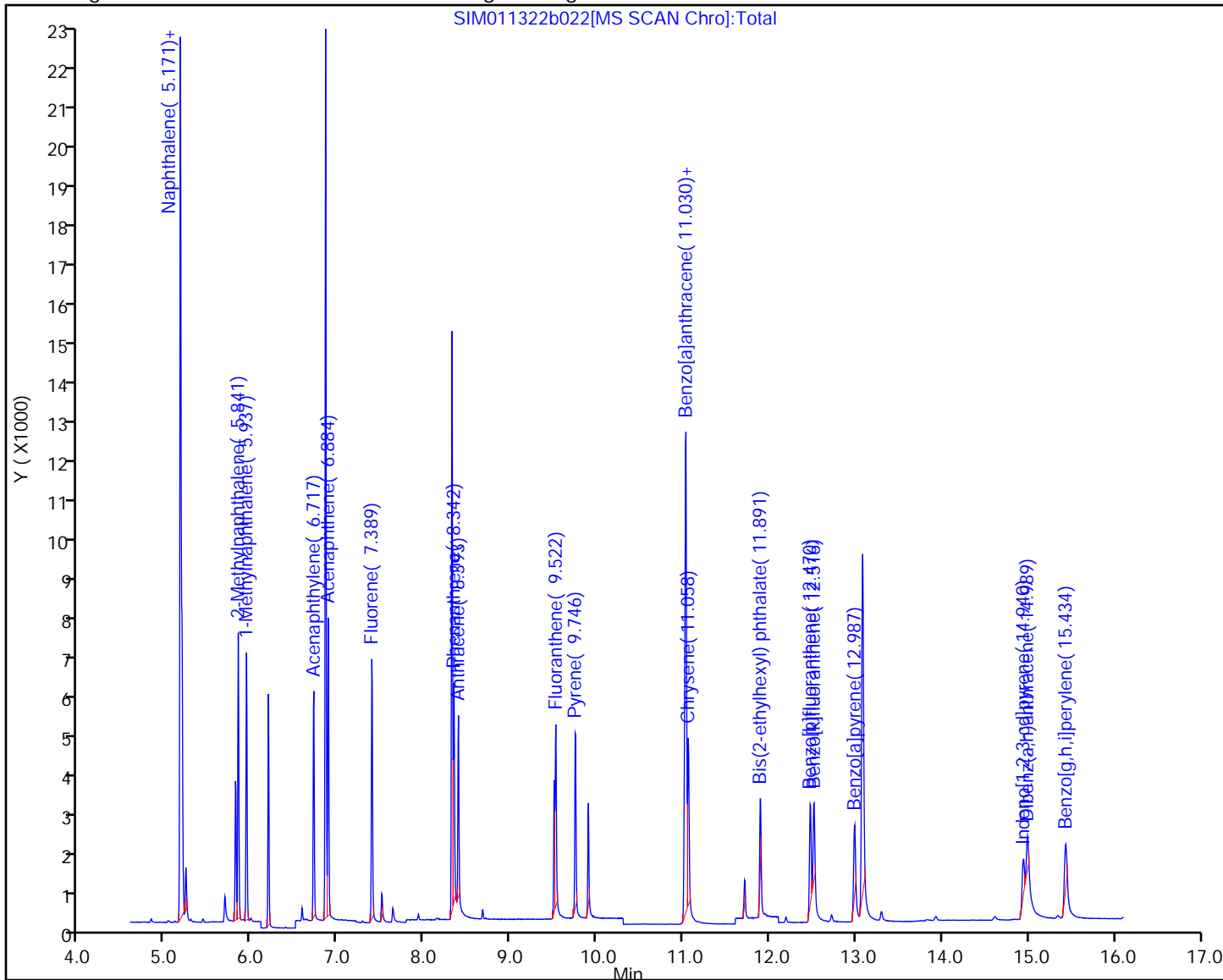
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

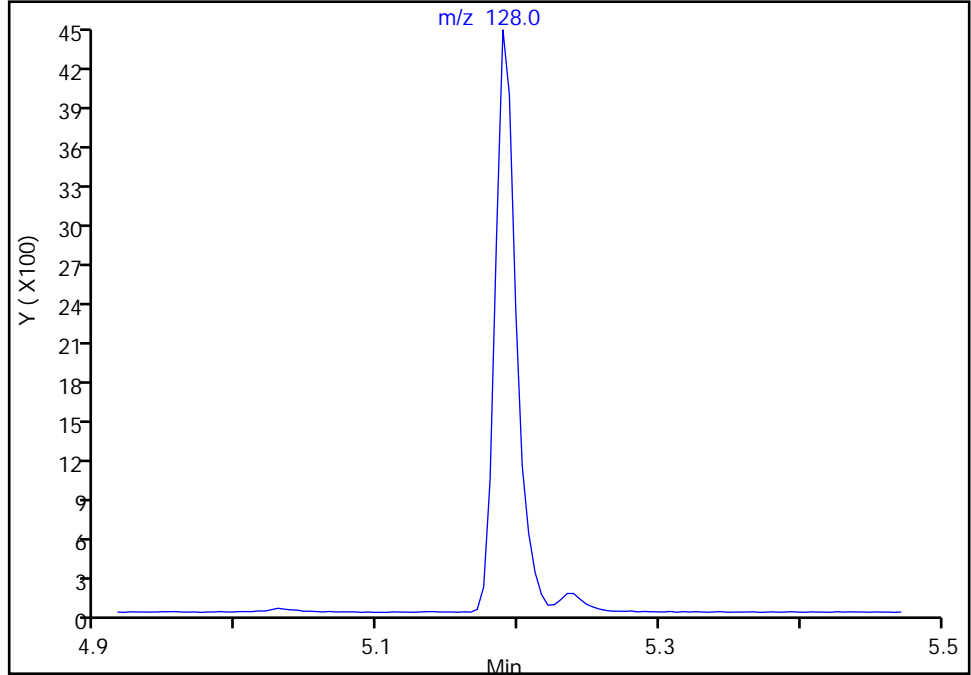
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

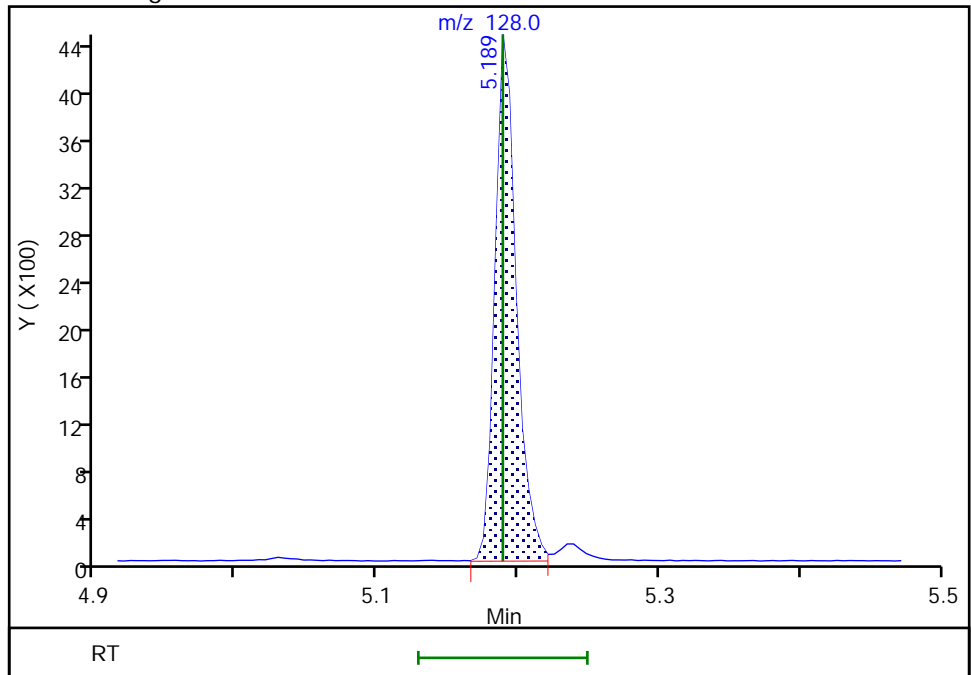
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 4620
Amount: 20.516495
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:16:33
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

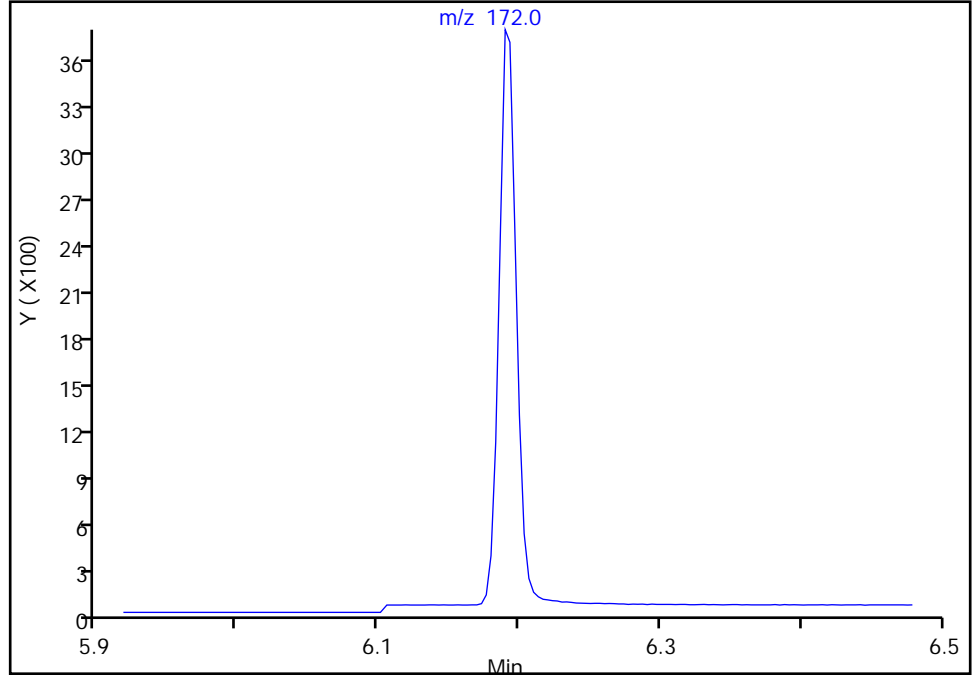
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

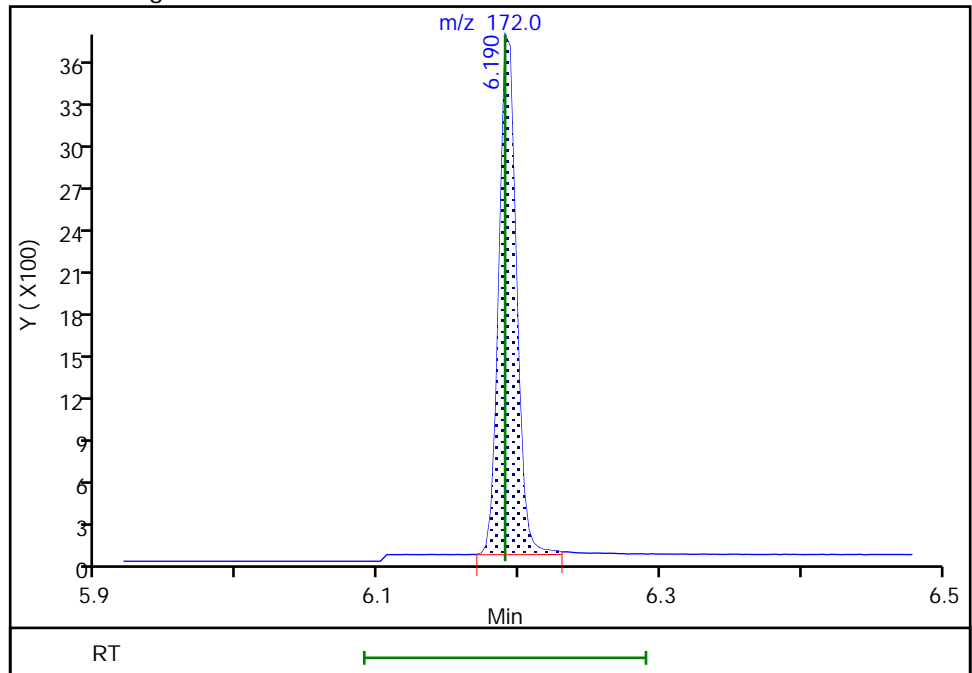
Not Detected
Expected RT: 6.19

Processing Integration Results



RT: 6.19
Area: 3165
Amount: 20.575315
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:16:15
Audit Action: Manually Integrated

Audit Reason: Assign Peak

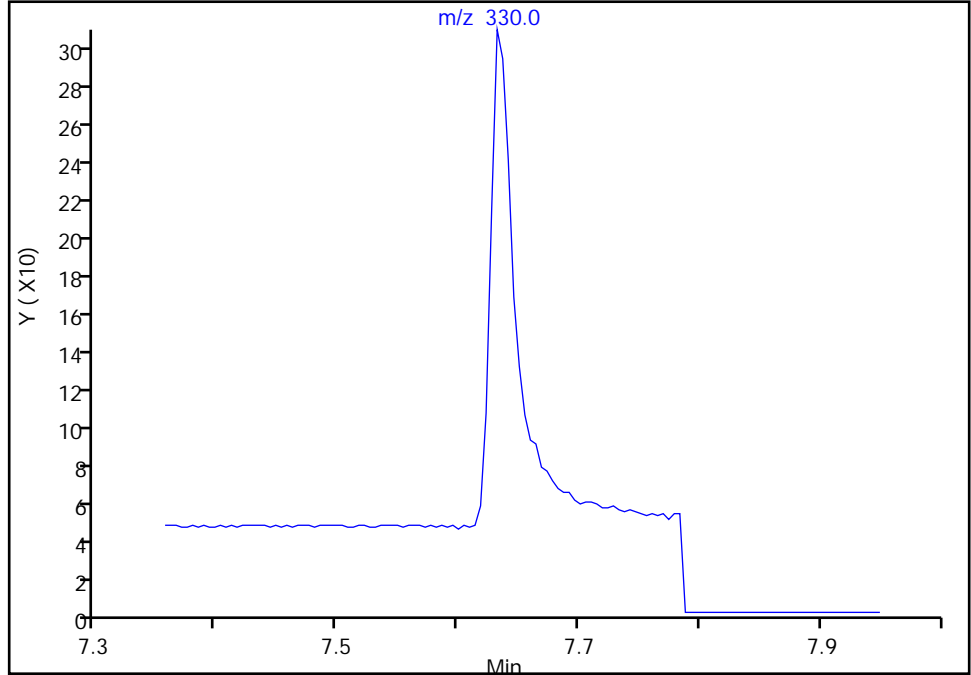
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 7 2,4,6-Tribromophenol, CAS: 118-79-6
Signal: 1

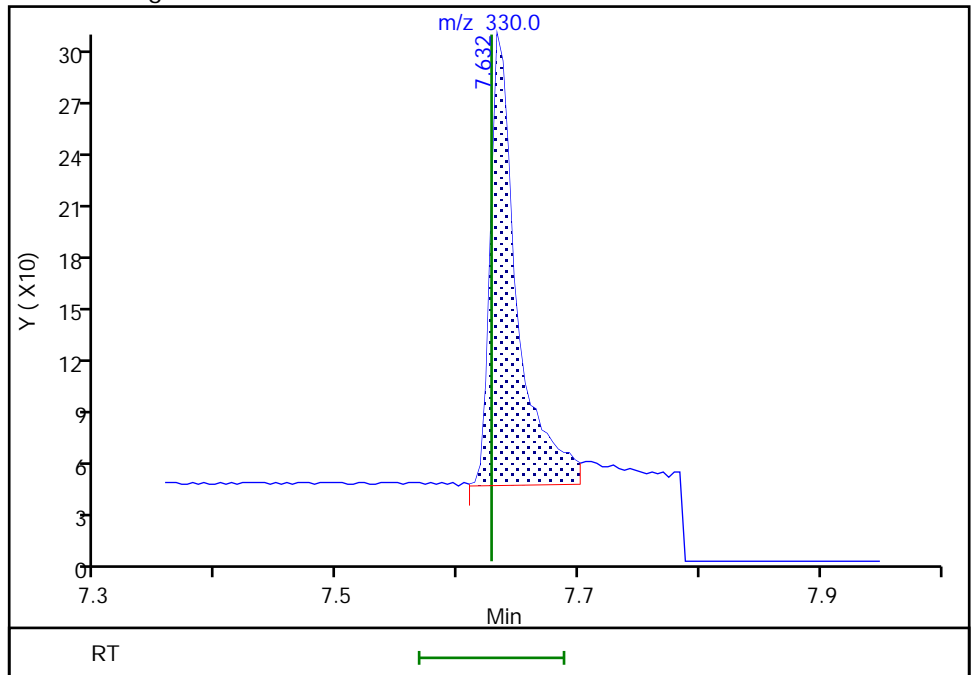
Not Detected
Expected RT: 7.63

Processing Integration Results



Manual Integration Results

RT: 7.63
Area: 396
Amount: 20.819703
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:16:23
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

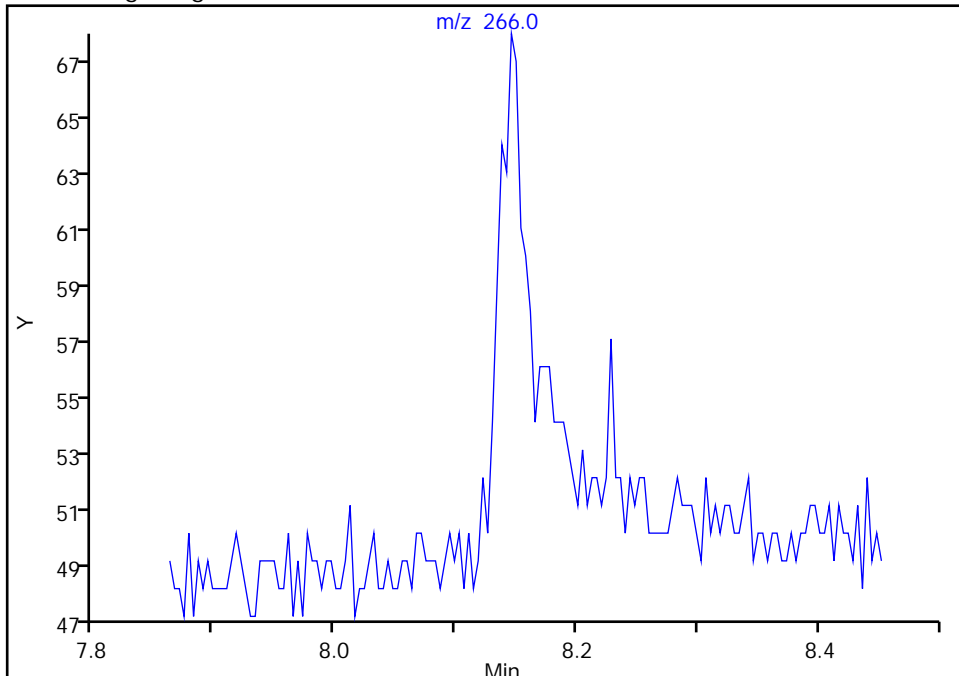
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

17 Pentachlorophenol, CAS: 87-86-5

Signal: 1

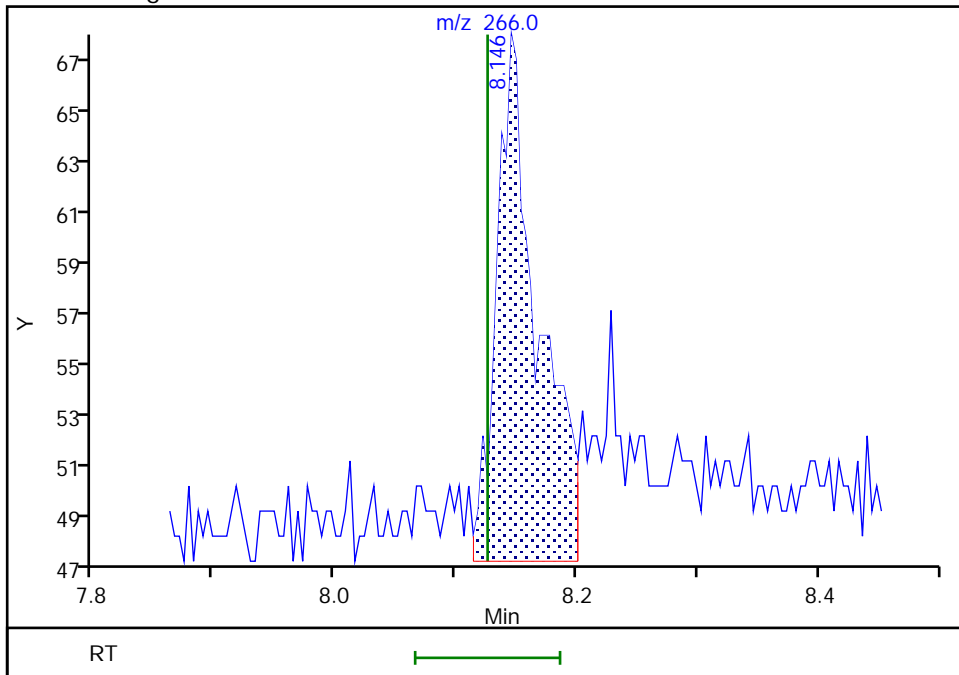
Not Detected
Expected RT: 8.13

Processing Integration Results



Manual Integration Results

RT: 8.15
Area: 49
Amount: 85.523380
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:16:47
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

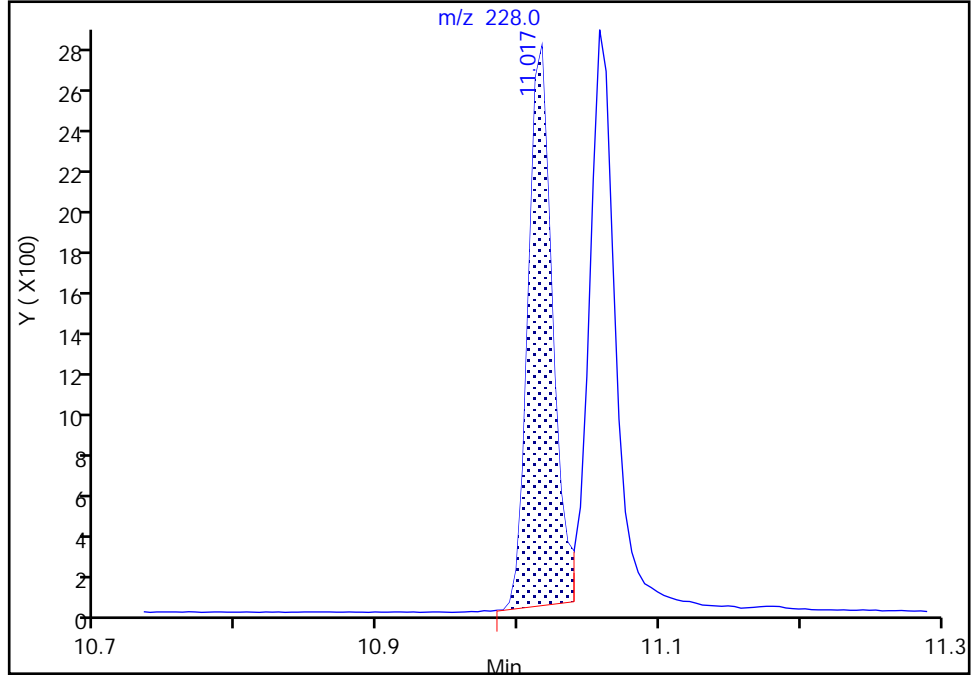
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

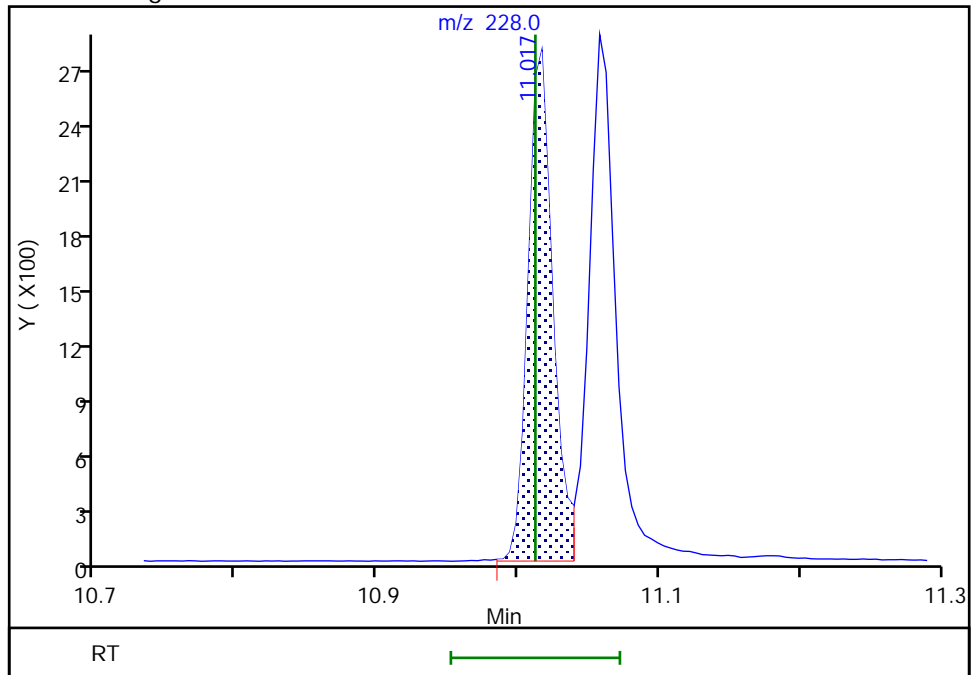
RT: 11.02
Area: 3189
Amount: 18.731486
Amount Units: ug/L

Processing Integration Results



RT: 11.02
Area: 3279
Amount: 19.288123
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:17:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

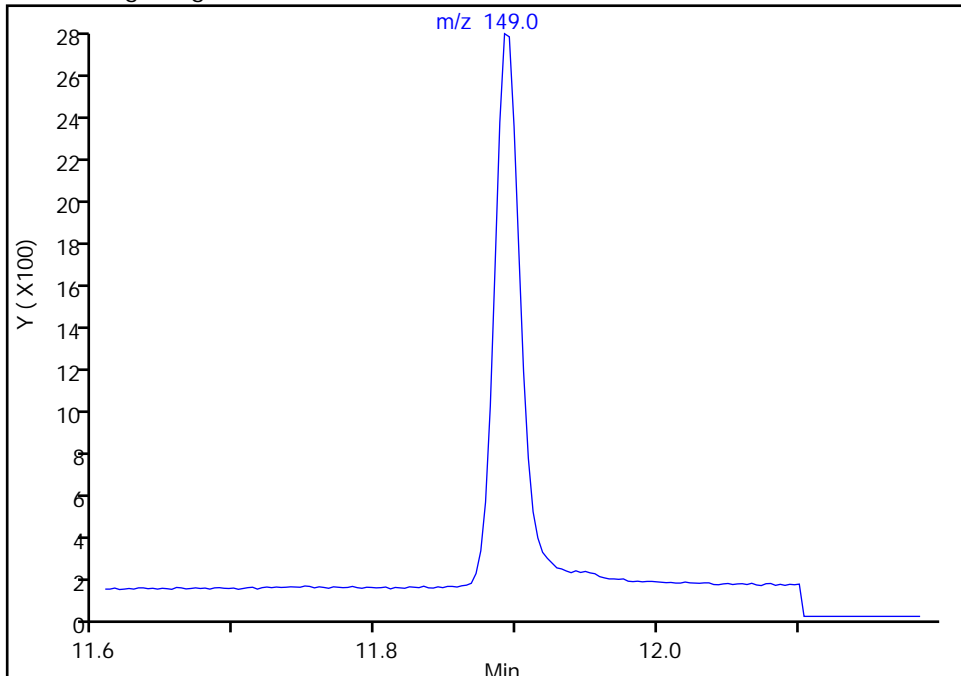
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

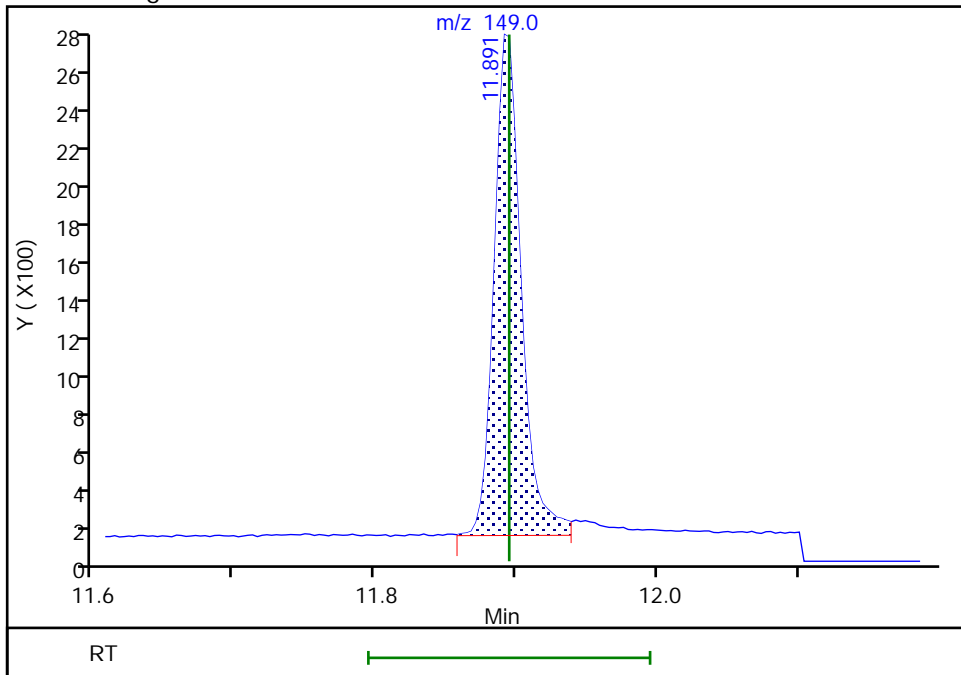
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 3545
Amount: 18.232581
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:18:00
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

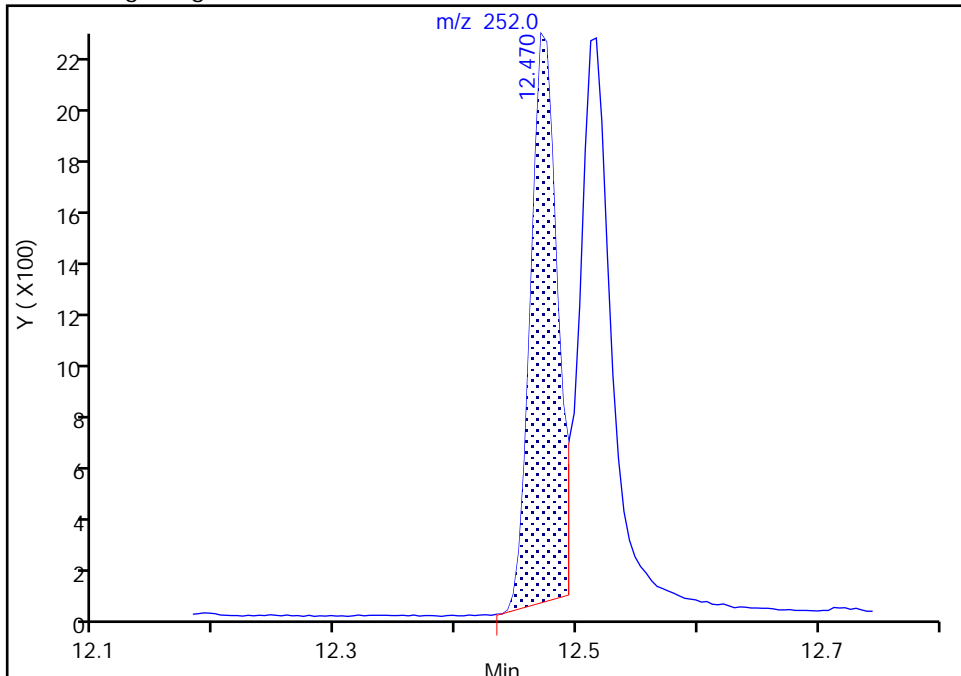
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

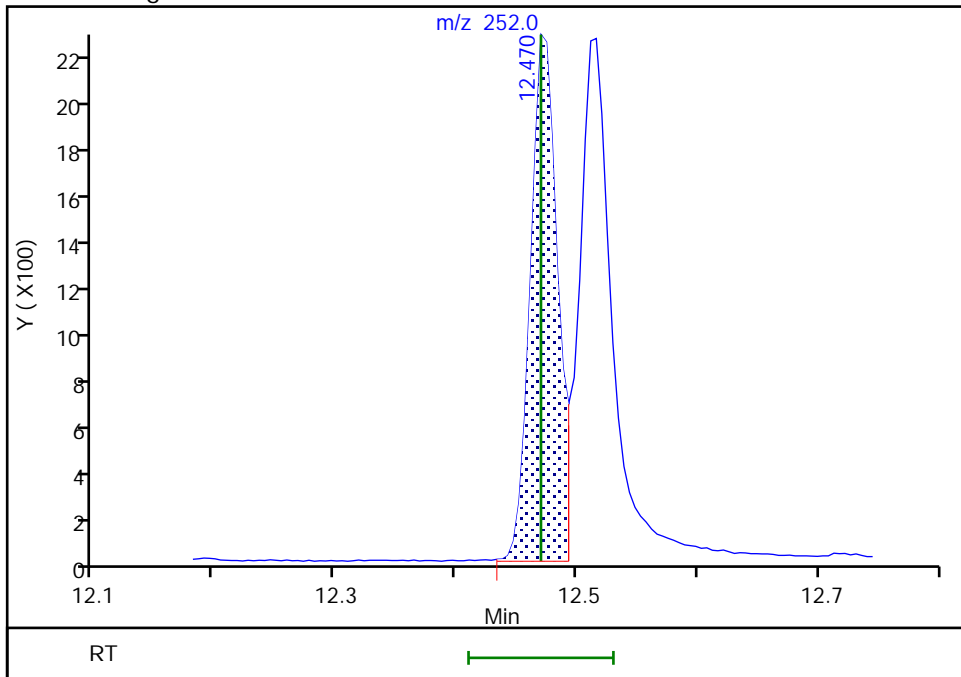
RT: 12.47
Area: 3176
Amount: 17.641583
Amount Units: ug/L

Processing Integration Results



RT: 12.47
Area: 3324
Amount: 18.634458
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:18:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

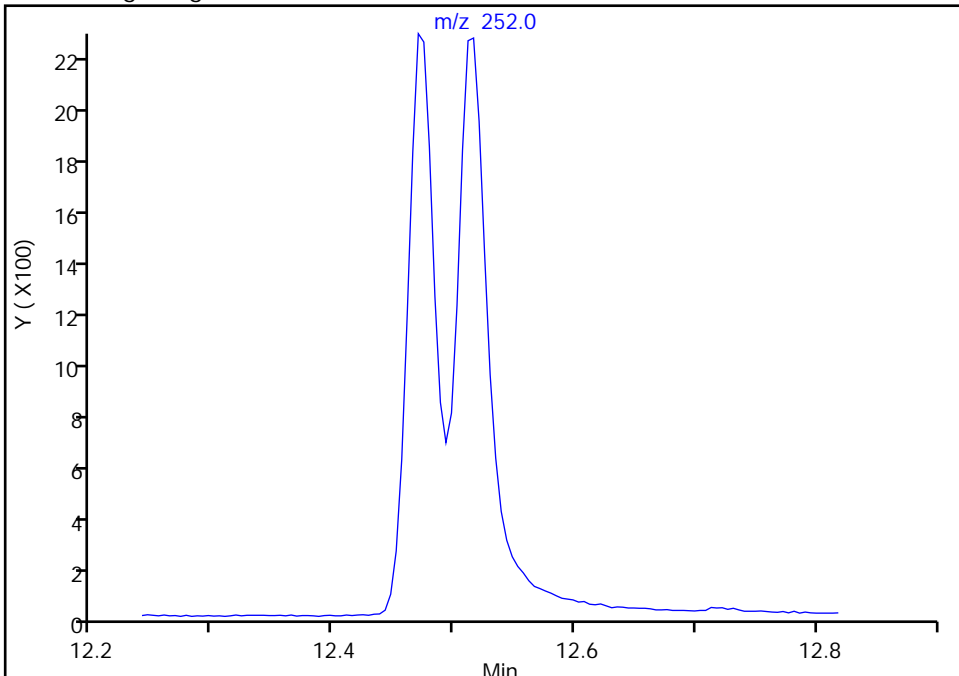
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

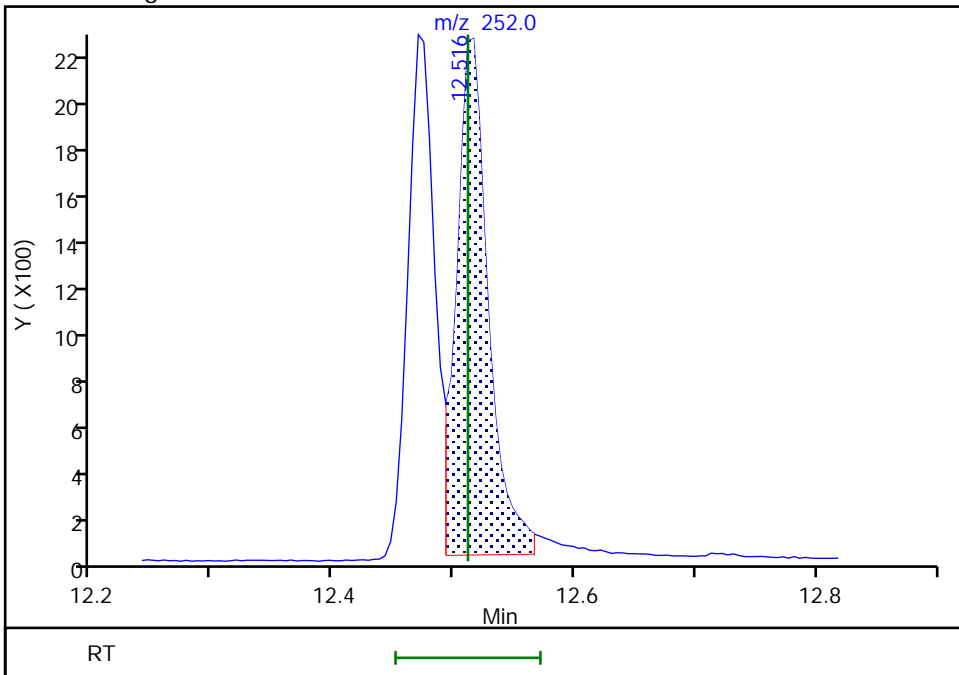
Not Detected
Expected RT: 12.51

Processing Integration Results



Manual Integration Results

RT: 12.52
Area: 3813
Amount: 19.119632
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:18:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

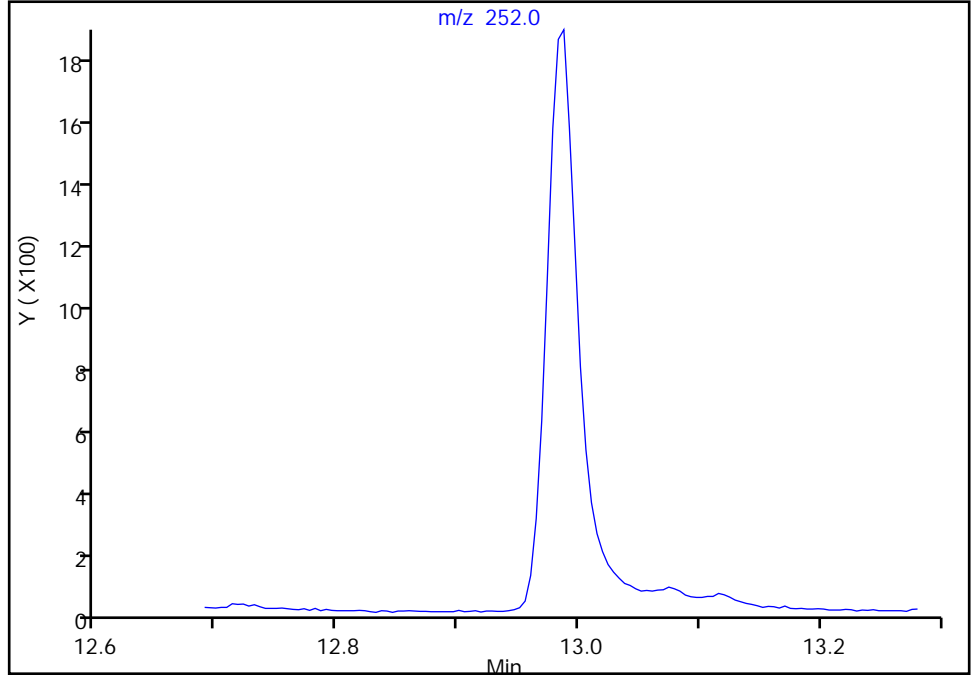
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

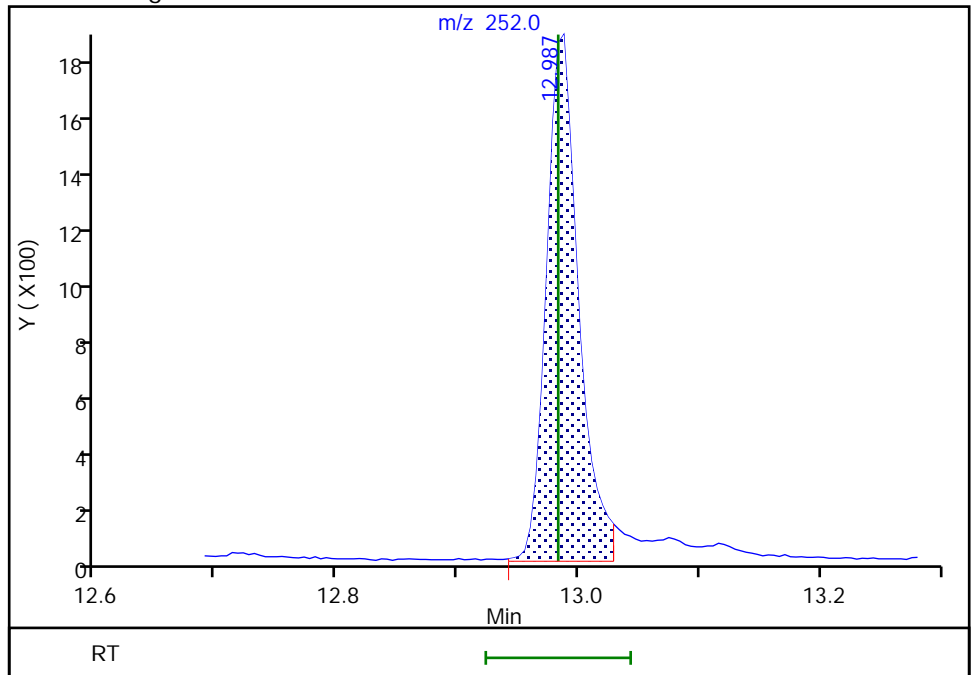
Not Detected
Expected RT: 12.98

Processing Integration Results



Manual Integration Results

RT: 12.99
Area: 3231
Amount: 18.130150
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:18:25
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Seattle

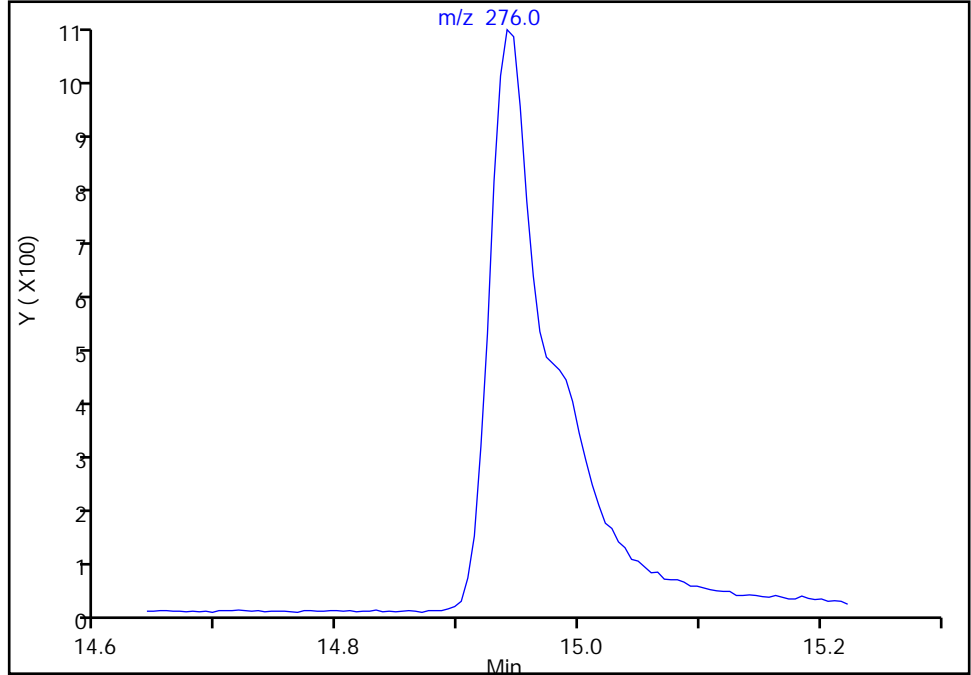
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

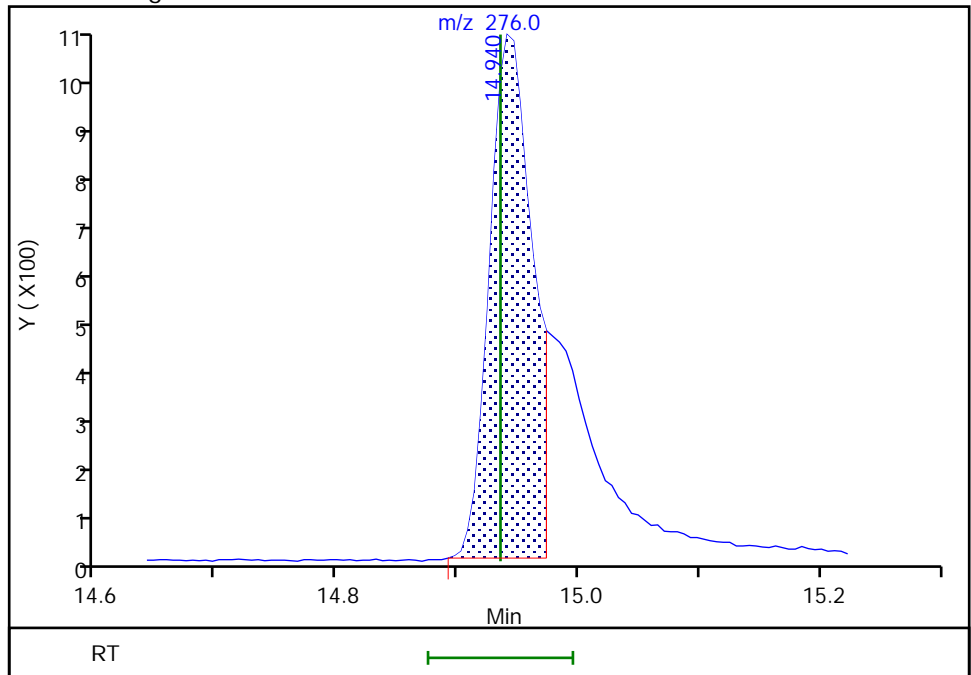
Not Detected
Expected RT: 14.93

Processing Integration Results



Manual Integration Results

RT: 14.94
Area: 2407
Amount: 17.073181
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:18:40
Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Seattle

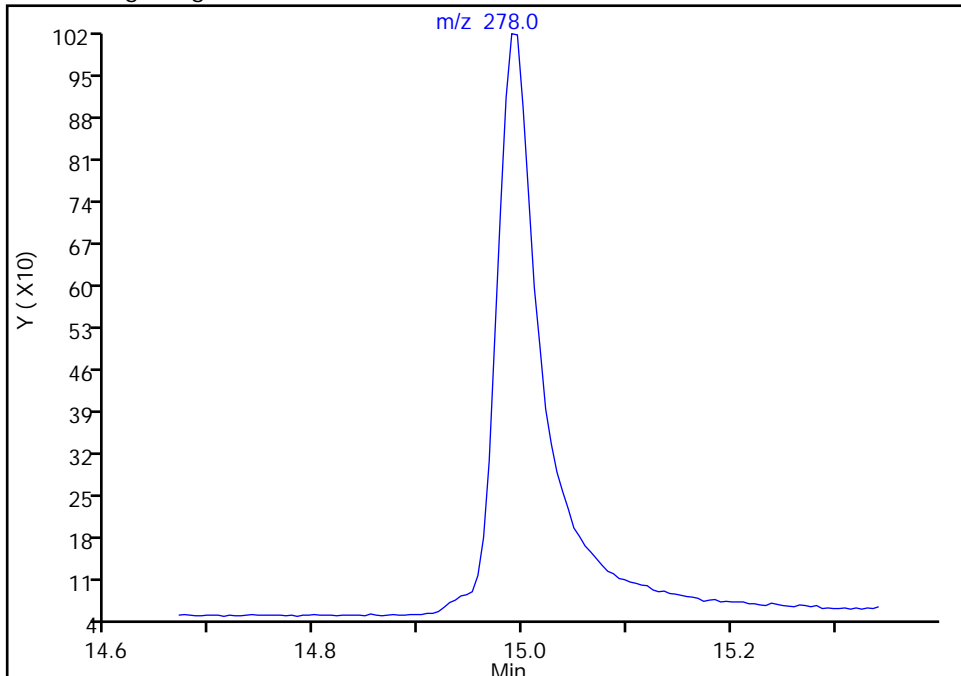
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

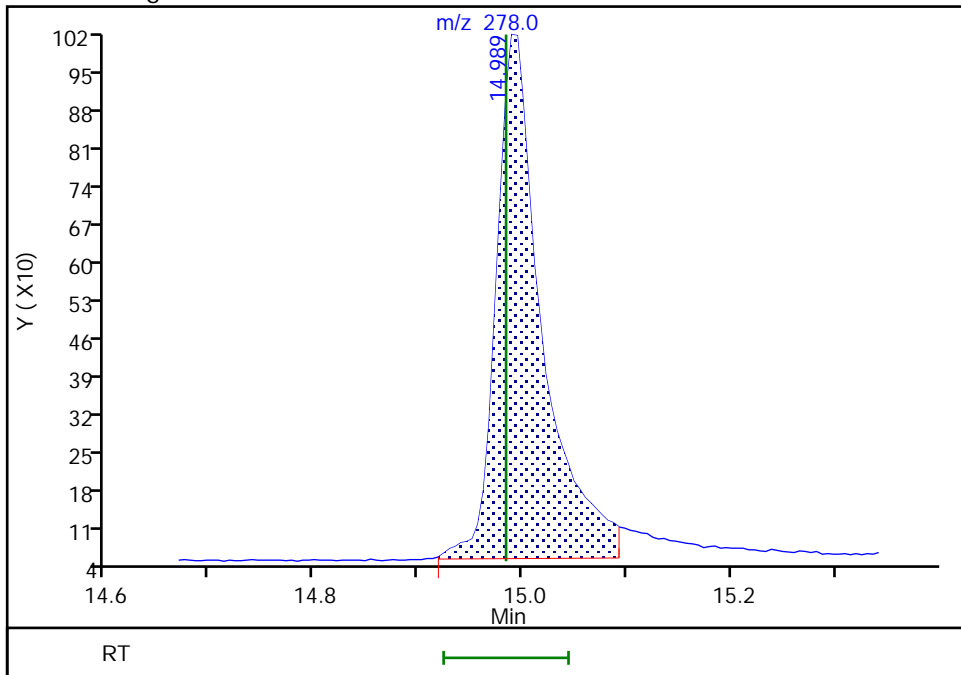
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 14.99
Area: 2953
Amount: 17.322307
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:13
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

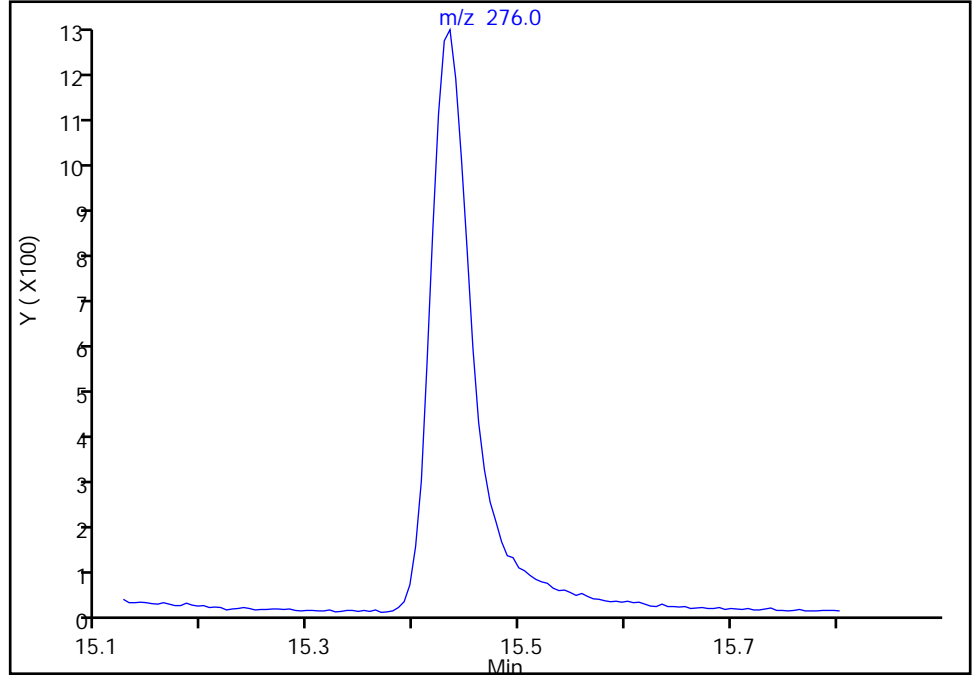
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

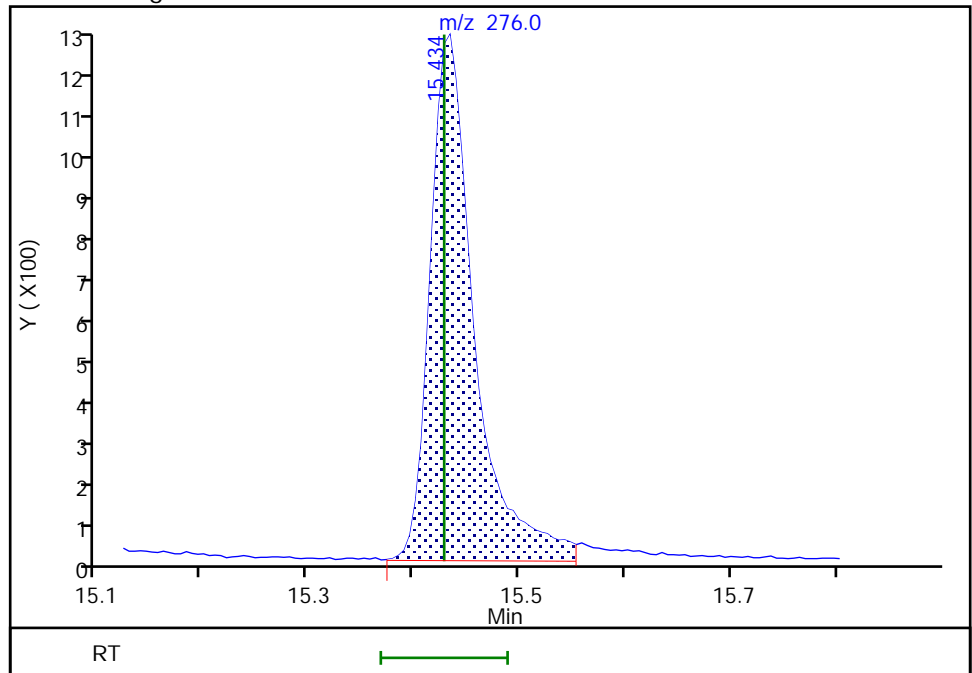
Not Detected
Expected RT: 15.43

Processing Integration Results



Manual Integration Results

RT: 15.43
Area: 3494
Amount: 18.853612
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
 Lims ID: std4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 14-Jan-2022 04:07:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 4
 Operator ID: jcm Instrument ID: TAC050
 Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 14-Jan-2022 15:42:18 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:11:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	21130	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	70	9435	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	14400	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	50	11178	100.0	100.0	M
* 5 Perylene-d12	264	13.079	13.074	0.005	69	12679	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.814	5.809	0.005	67	1249	10.0	10.0	
\$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	1552	10.0	10.3	M
\$ 7 2,4,6-Tribromophenol	330	7.637	7.628	0.009	56	178	10.0	12.5	Ma
\$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.502	0.004	68	1556	10.0	9.30	a
\$ 9 Terphenyl-d14	244	9.900	9.896	0.004	95	1200	10.0	10.4	Ma
11 Naphthalene	128	5.189	5.189	0.000	100	2280	10.0	10.2	a
12 2-Methylnaphthalene	141	5.841	5.841	0.000	97	1274	10.0	10.1	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	97	1224	10.0	9.97	
14 Acenaphthylene	152	6.717	6.717	0.000	100	1947	10.0	9.76	
15 Acenaphthene	153	6.884	6.884	0.000	96	1248	10.0	9.97	
16 Fluorene	166	7.394	7.389	0.005	93	1345	10.0	9.64	Ma
18 Phenanthrene	178	8.342	8.342	0.000	100	1982	10.0	9.82	
19 Anthracene	178	8.393	8.389	0.004	100	1949	10.0	9.76	Ma
20 Fluoranthene	202	9.522	9.522	0.000	52	1885	10.0	9.37	a
21 Pyrene	202	9.750	9.746	0.004	51	1921	10.0	8.97	a
22 Benzo[a]anthracene	228	11.017	11.012	0.004	72	1677	10.0	9.14	M
23 Chrysene	228	11.058	11.057	0.001	100	2005	10.0	10.5	M
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.895	0.000	0	1754	10.0	8.60	M
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	97	1654	10.0	9.19	M
25 Benzo[k]fluoranthene	252	12.516	12.511	0.005	96	2146	10.0	10.8	M
26 Benzo[a]pyrene	252	12.987	12.983	0.004	97	1600	10.0	8.89	M
27 Indeno[1,2,3-cd]pyrene	276	14.946	14.935	0.011	96	1224	10.0	9.08	M
28 Dibenz(a,h)anthracene	278	15.000	14.984	0.016	95	1524	10.0	8.96	M
29 Benzo[g,h,i]perylene	276	15.434	15.429	0.005	95	1725	10.0	9.27	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

8270ccvl_50_00039

Amount Added: 200.00

Units: uL

8270SIM_IS_00069

Amount Added: 8.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D

Injection Date: 14-Jan-2022 04:07:30

Instrument ID: TAC050

Lims ID: std4

Client ID:

Operator ID: jcm

ALS Bottle#: 13

Worklist Smp#: 13

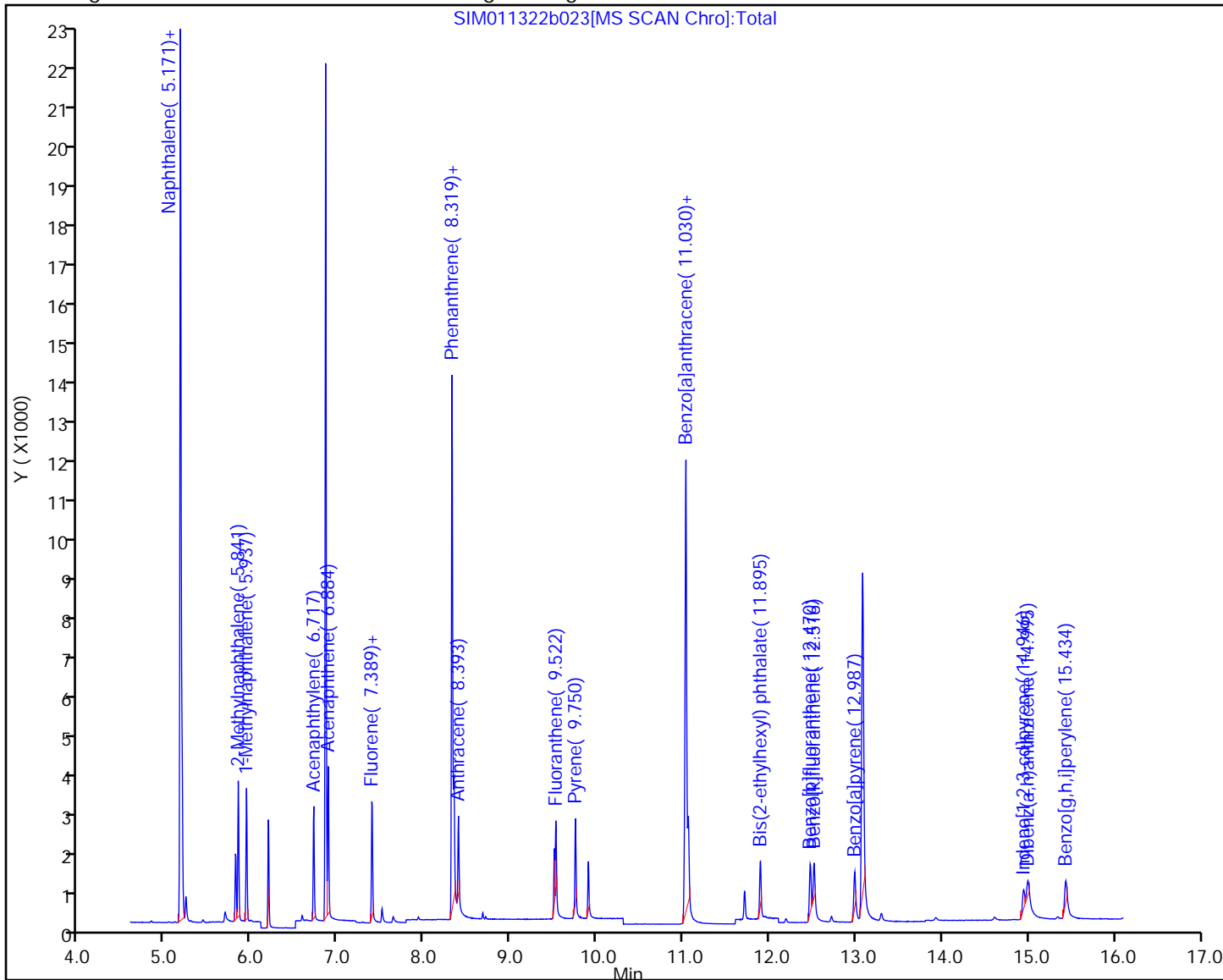
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

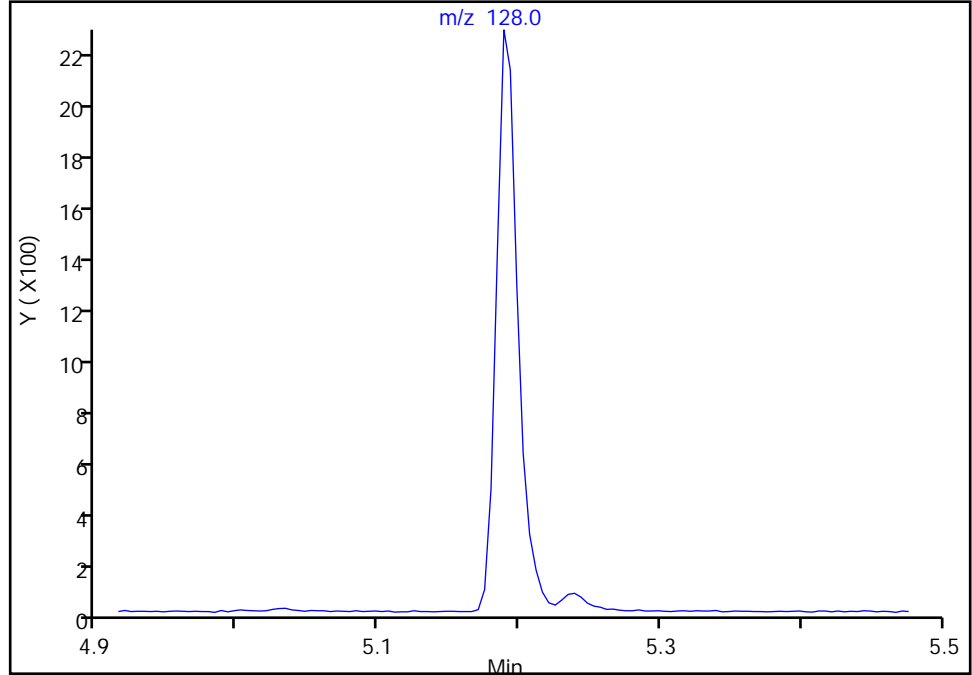
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

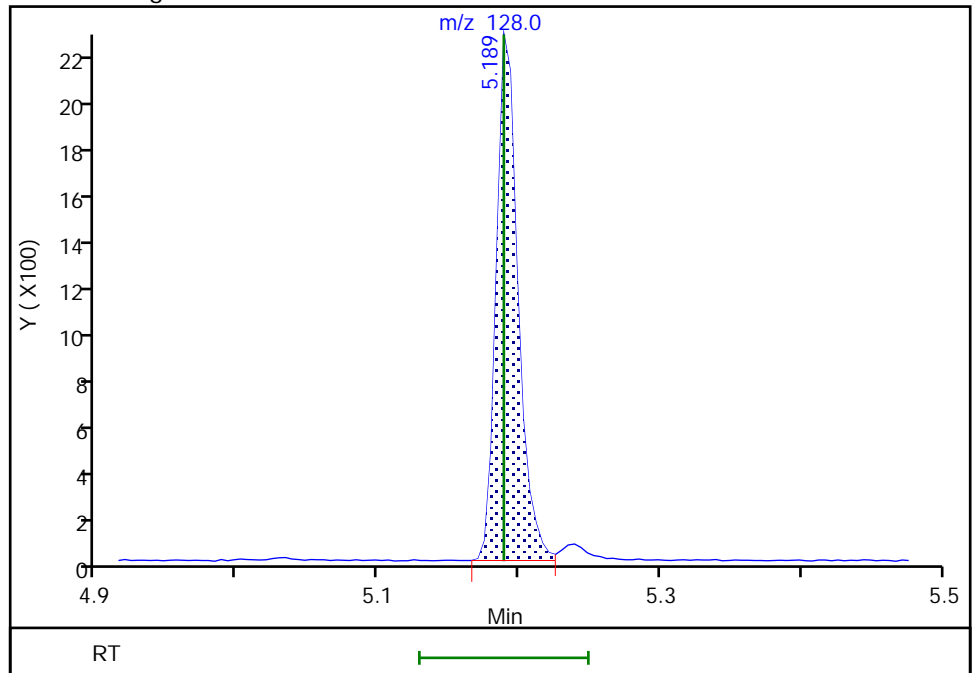
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 2280
Amount: 10.202171
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:23:10
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Seattle

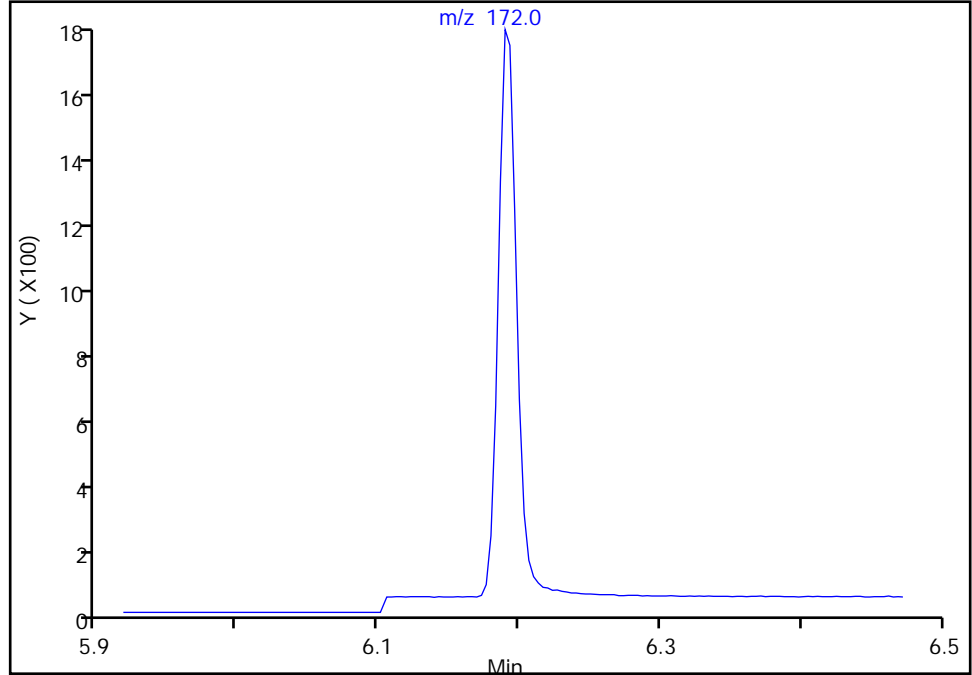
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

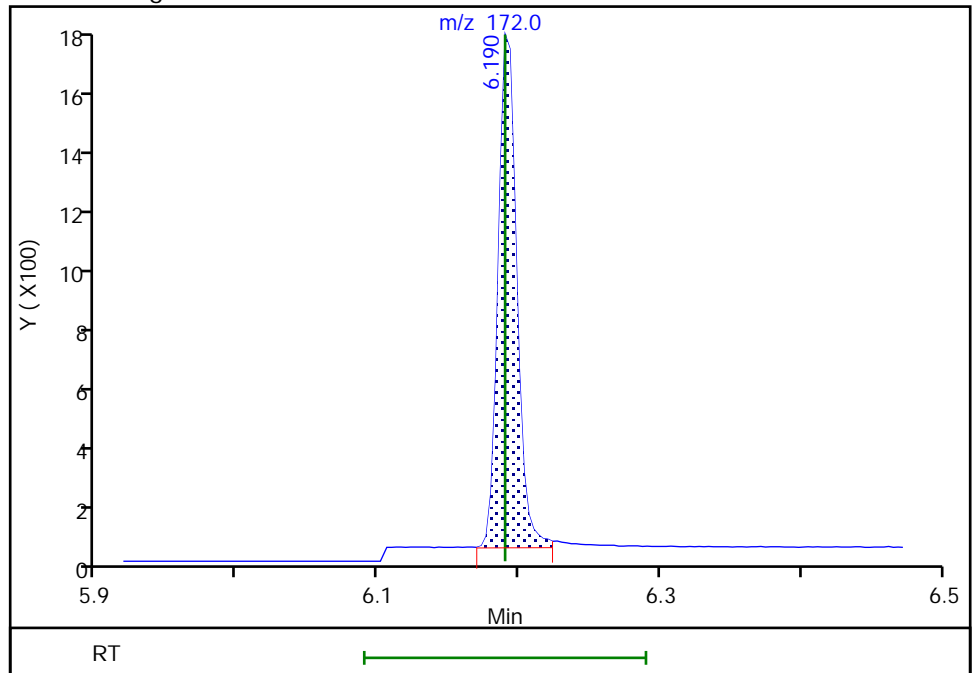
Not Detected
Expected RT: 6.19

Processing Integration Results



RT: 6.19
Area: 1552
Amount: 10.279726
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:23:53
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

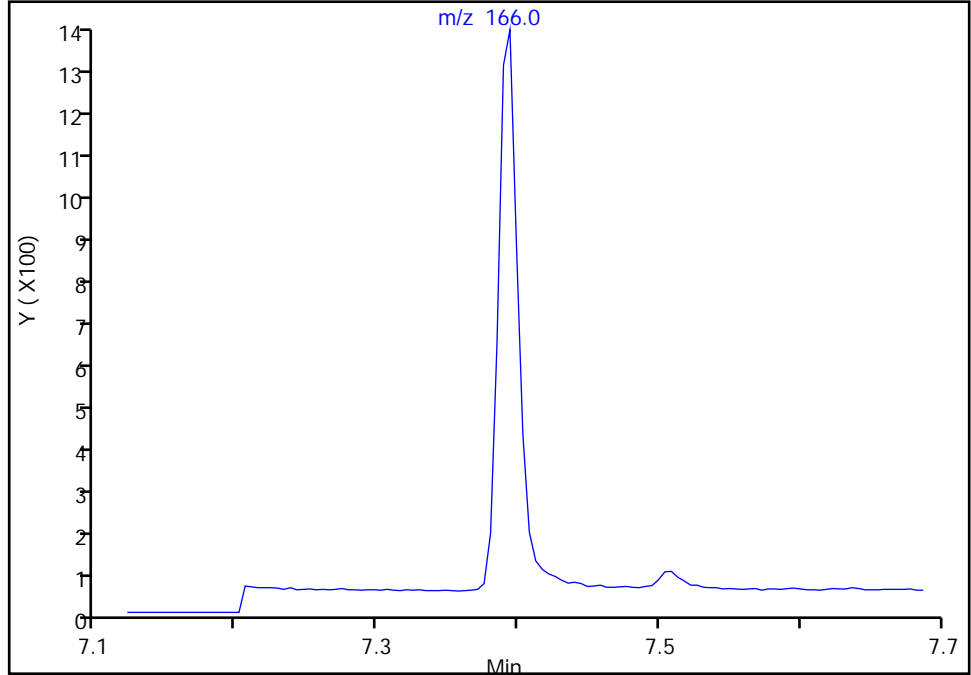
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Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Fluorene, CAS: 86-73-7

Signal: 1

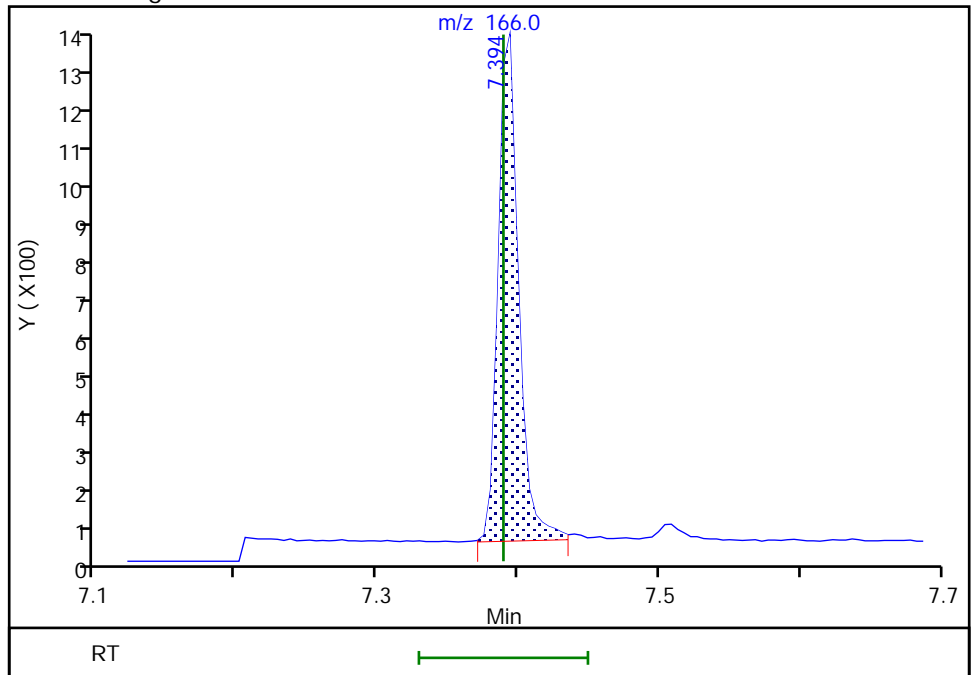
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 1345
Amount: 9.637814
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:22:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

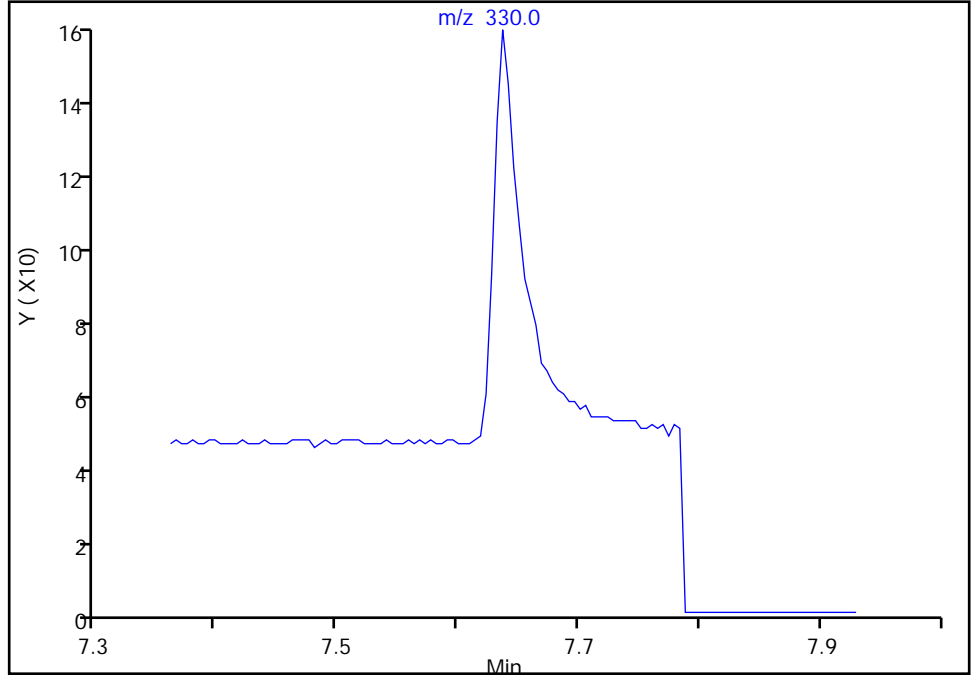
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 7 2,4,6-Tribromophenol, CAS: 118-79-6
Signal: 1

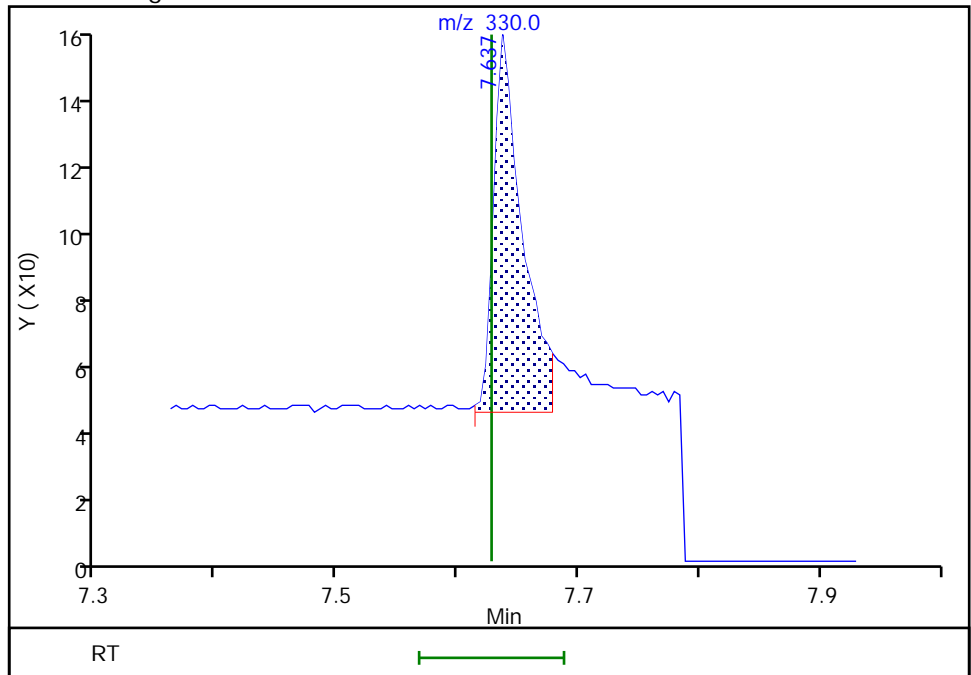
Not Detected
Expected RT: 7.63

Processing Integration Results



Manual Integration Results

RT: 7.64
Area: 178
Amount: 12.463633
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:23:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

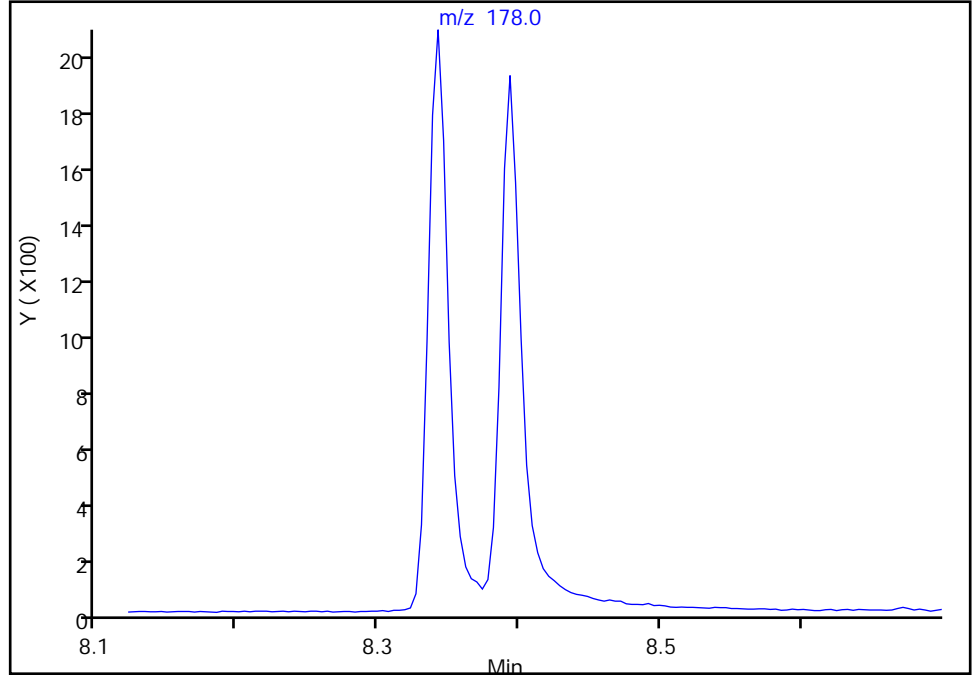
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Anthracene, CAS: 120-12-7

Signal: 1

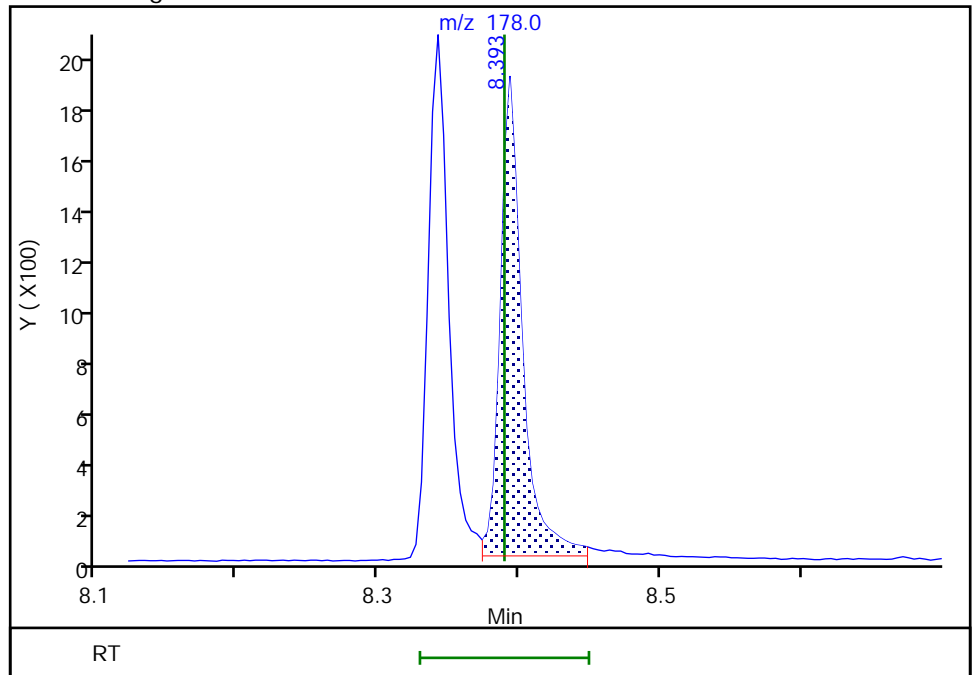
Not Detected
Expected RT: 8.39

Processing Integration Results



Manual Integration Results

RT: 8.39
Area: 1949
Amount: 9.756345
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

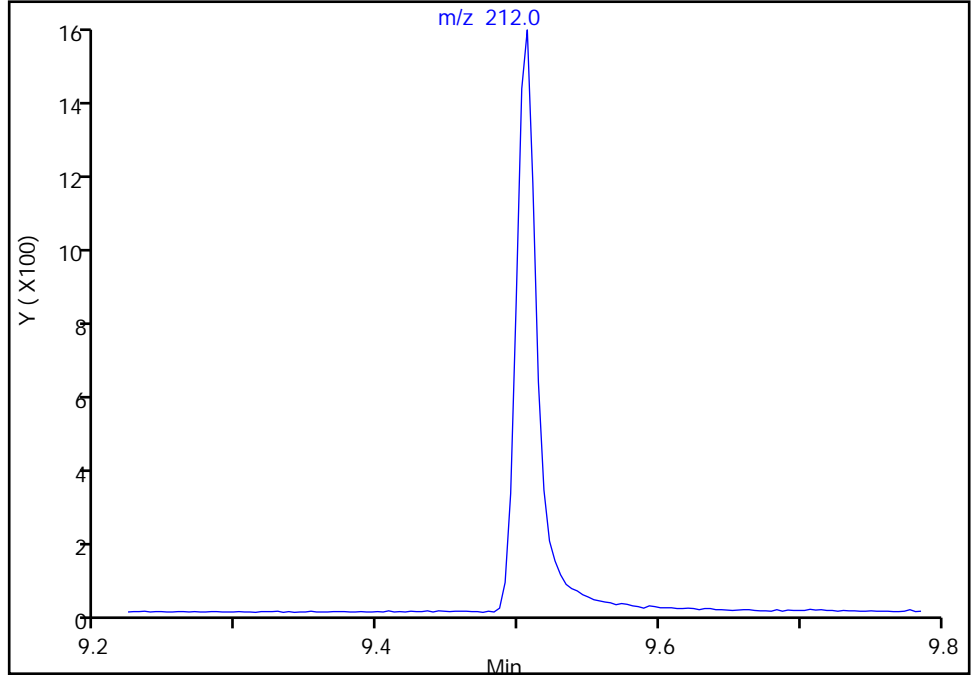
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 8 Fluoranthene-d10 (Surr), CAS: 93951-69-0
Signal: 1

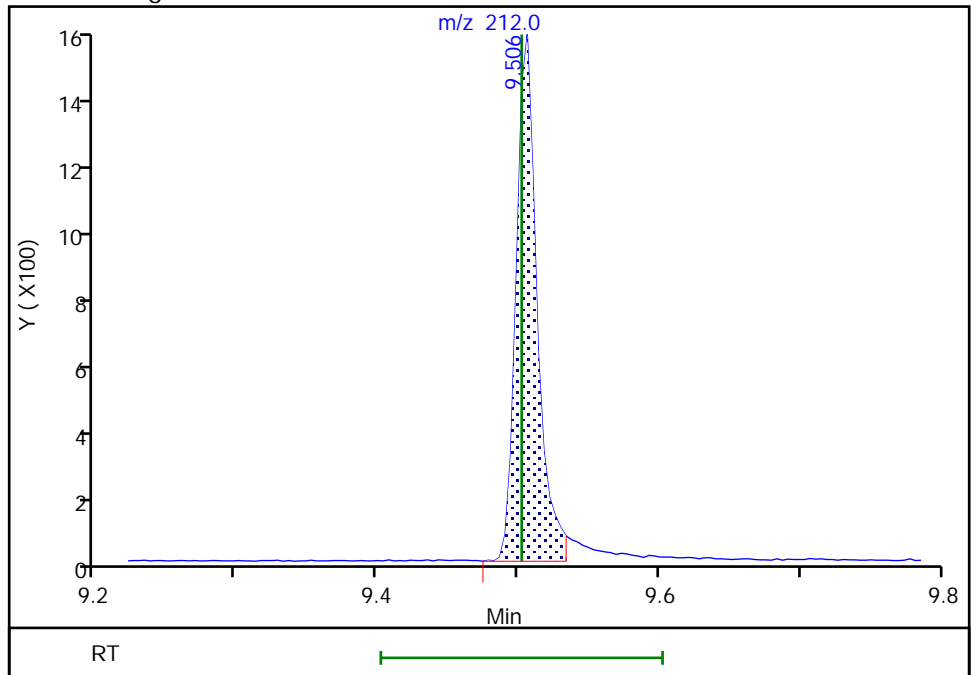
Not Detected
Expected RT: 9.50

Processing Integration Results



RT: 9.51
Area: 1556
Amount: 9.295836
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:23:24
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Seattle

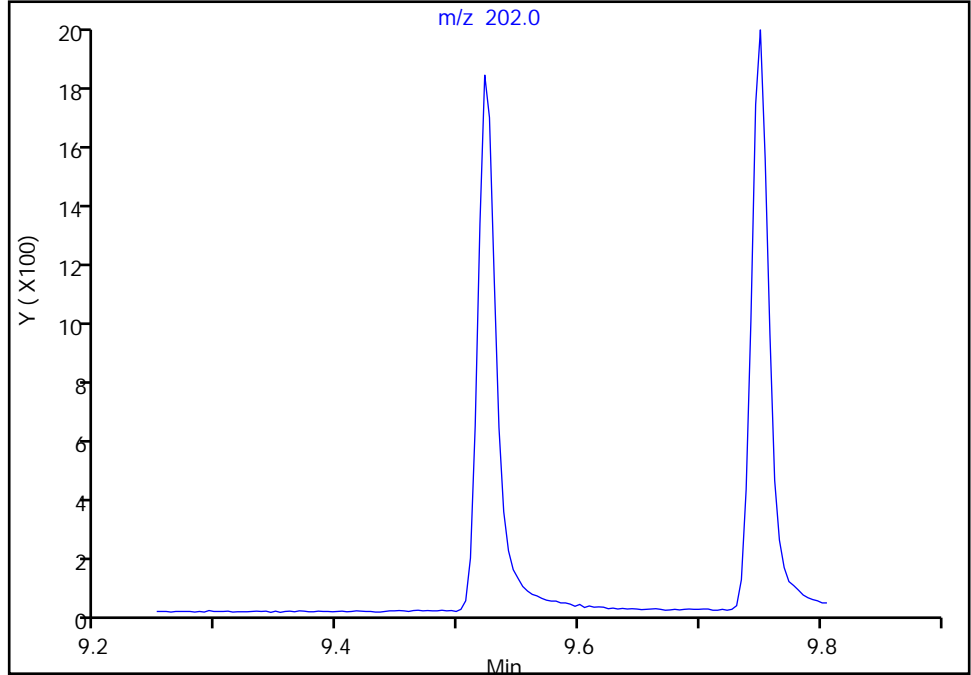
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Fluoranthene, CAS: 206-44-0

Signal: 1

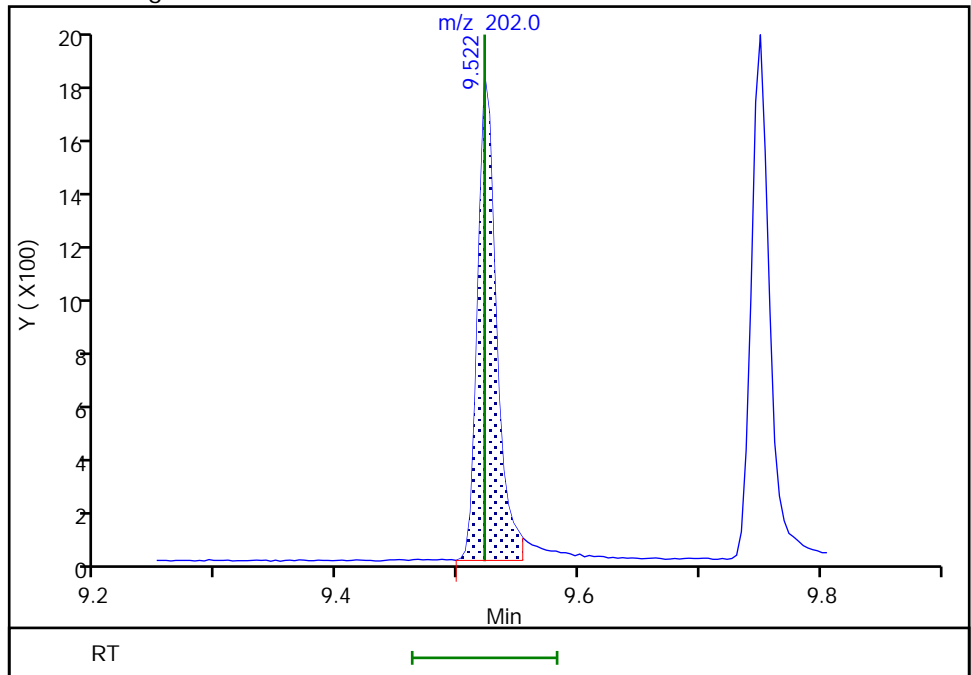
Not Detected
Expected RT: 9.52

Processing Integration Results



RT: 9.52
Area: 1885
Amount: 9.371987
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:21:31
Audit Action: Assigned Compound ID

Audit Reason: Assign Peak

Eurofins Seattle

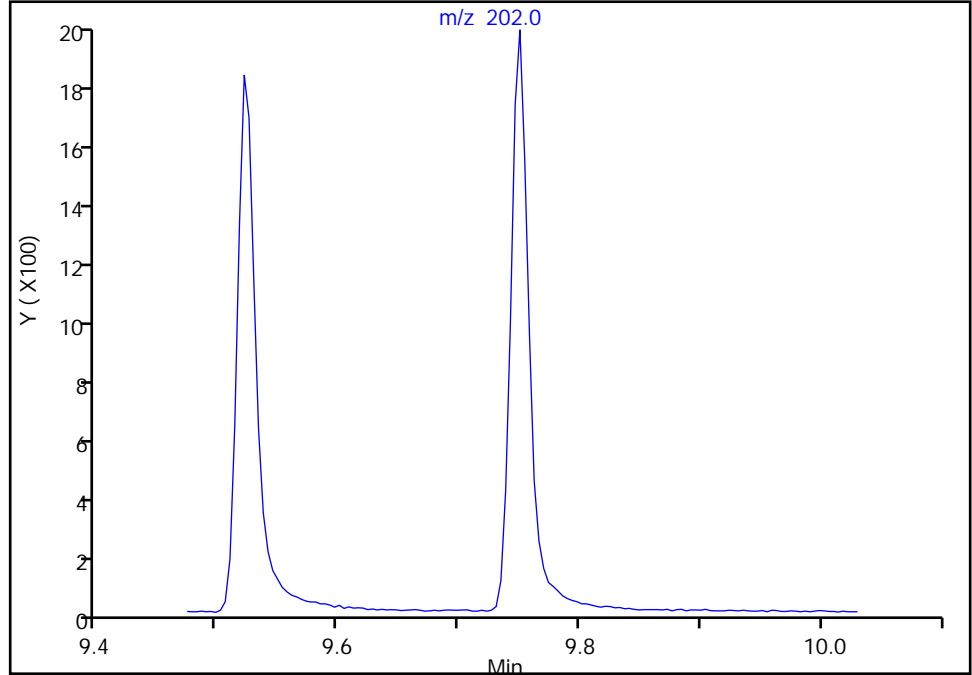
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Pyrene, CAS: 129-00-0

Signal: 1

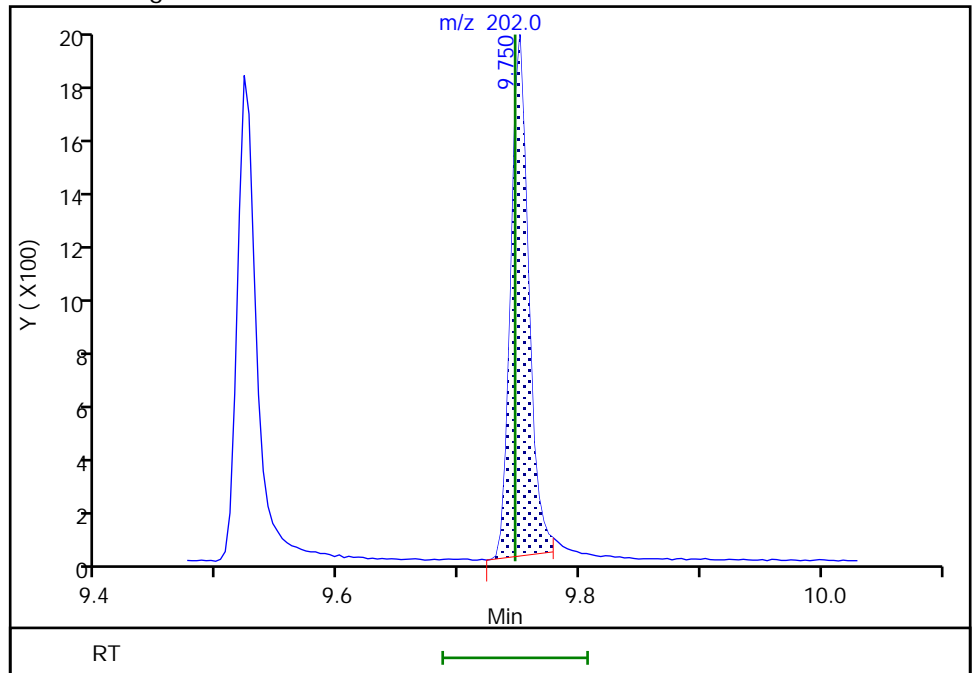
Not Detected
Expected RT: 9.75

Processing Integration Results



RT: 9.75
Area: 1921
Amount: 8.966867
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:21:24
Audit Action: Assigned Compound ID

Audit Reason: Assign Peak

Eurofins Seattle

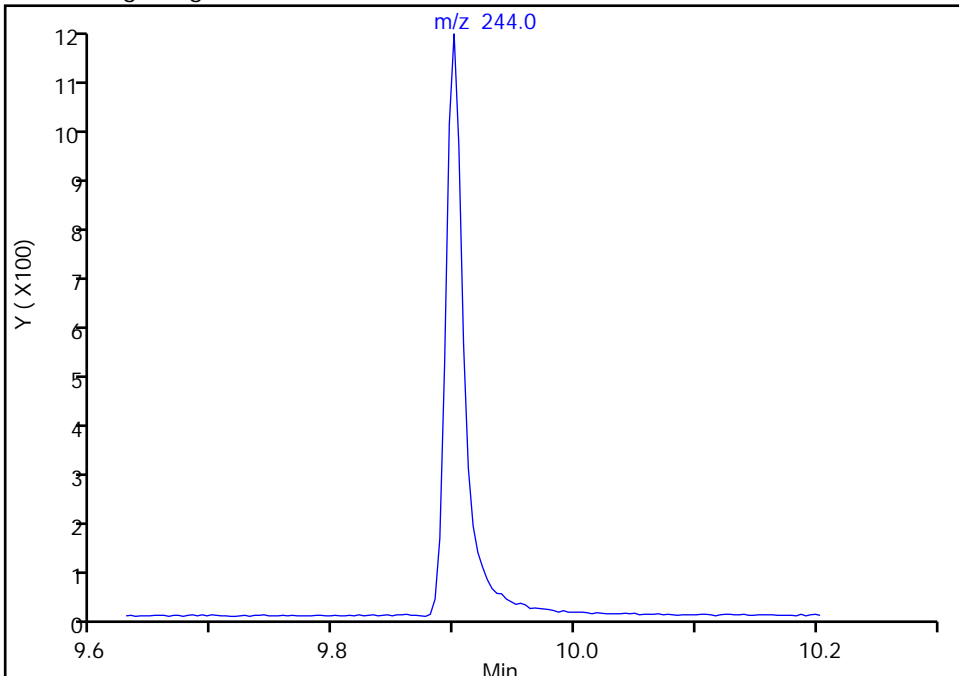
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 9 Terphenyl-d14, CAS: 1718-51-0

Signal: 1

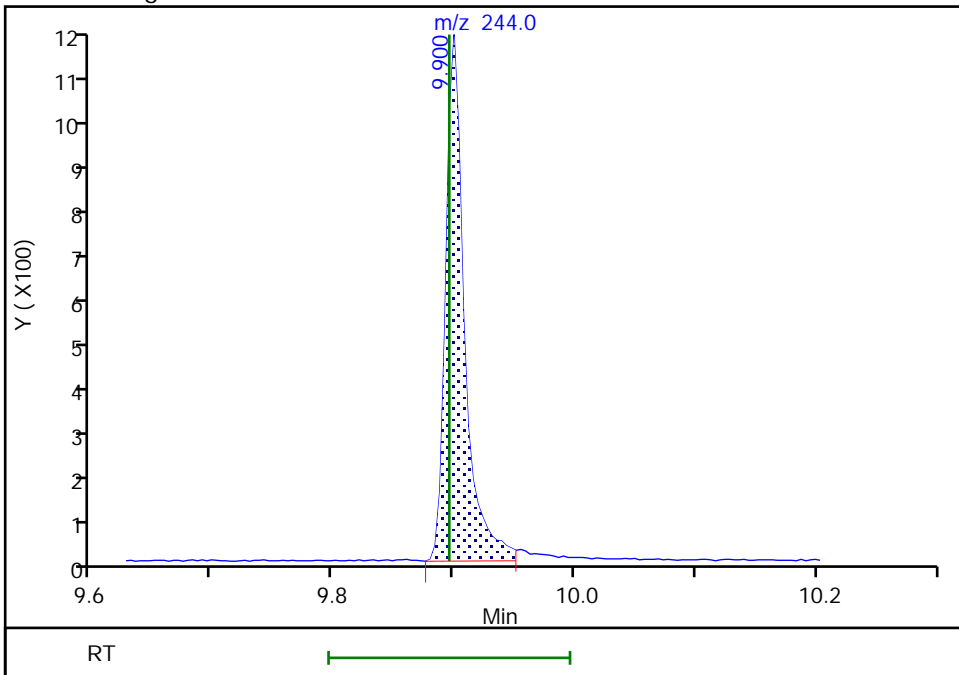
Not Detected
Expected RT: 9.90

Processing Integration Results



Manual Integration Results

RT: 9.90
Area: 1200
Amount: 10.397832
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:23:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

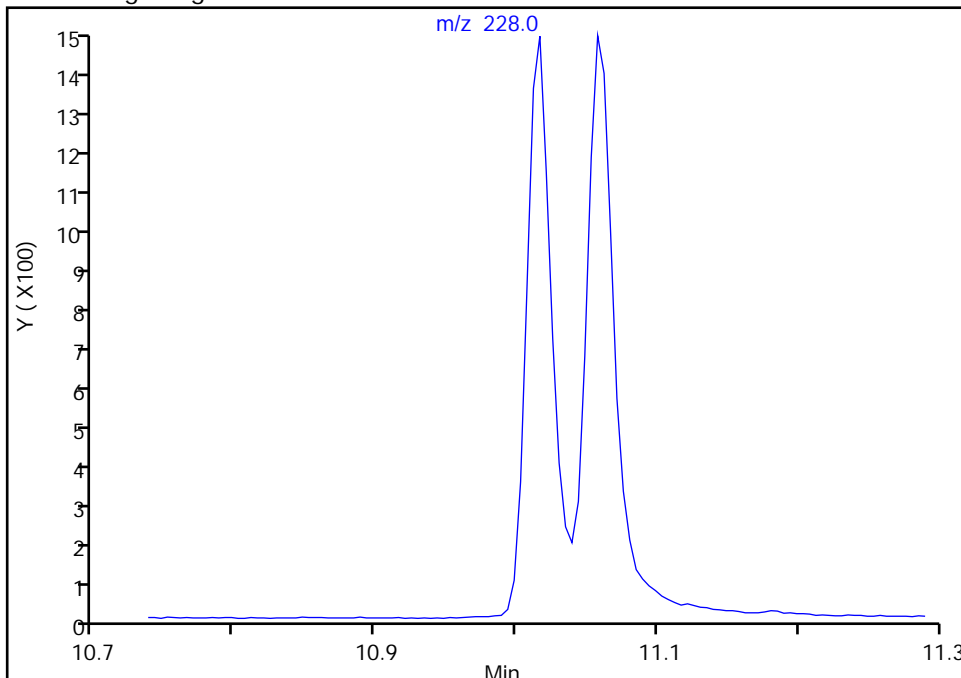
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

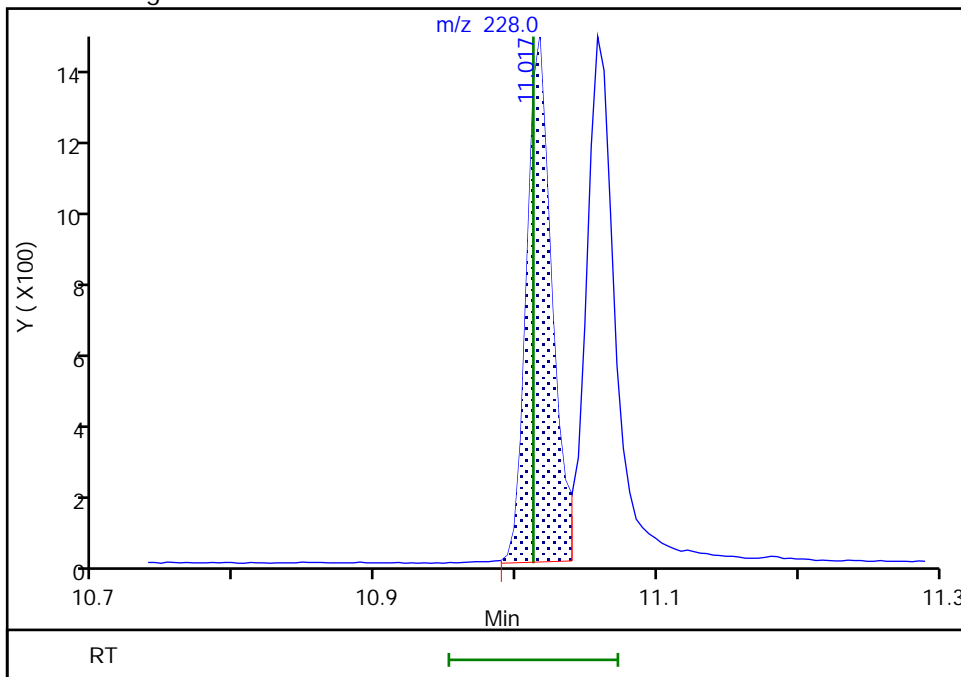
Not Detected
Expected RT: 11.01

Processing Integration Results



Manual Integration Results

RT: 11.02
Area: 1677
Amount: 9.138805
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:20
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

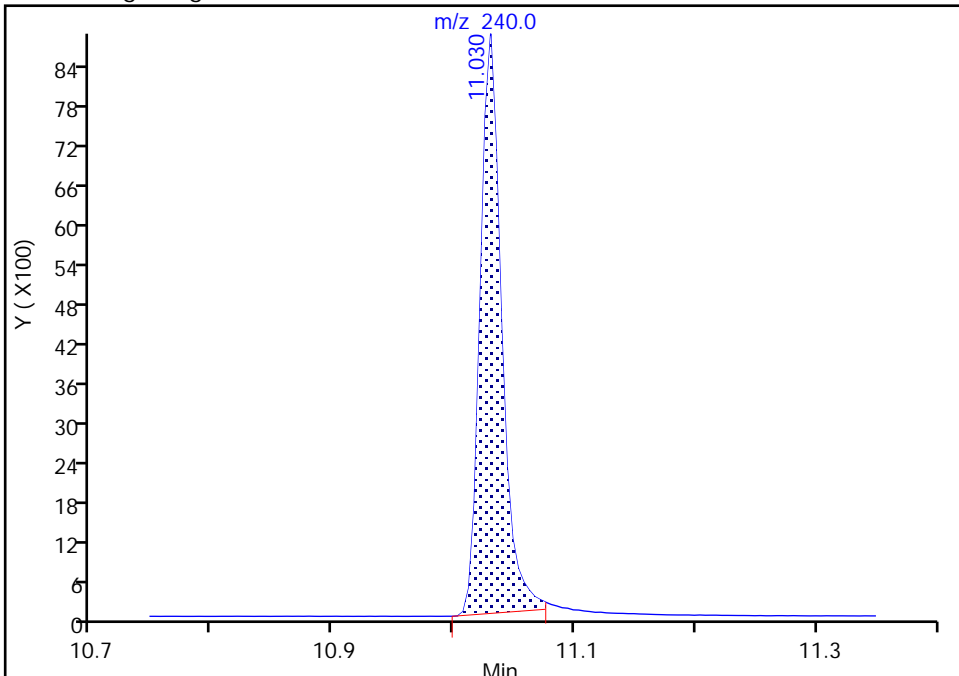
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

* 4 Chrysene-d12, CAS: 1719-03-5

Signal: 1

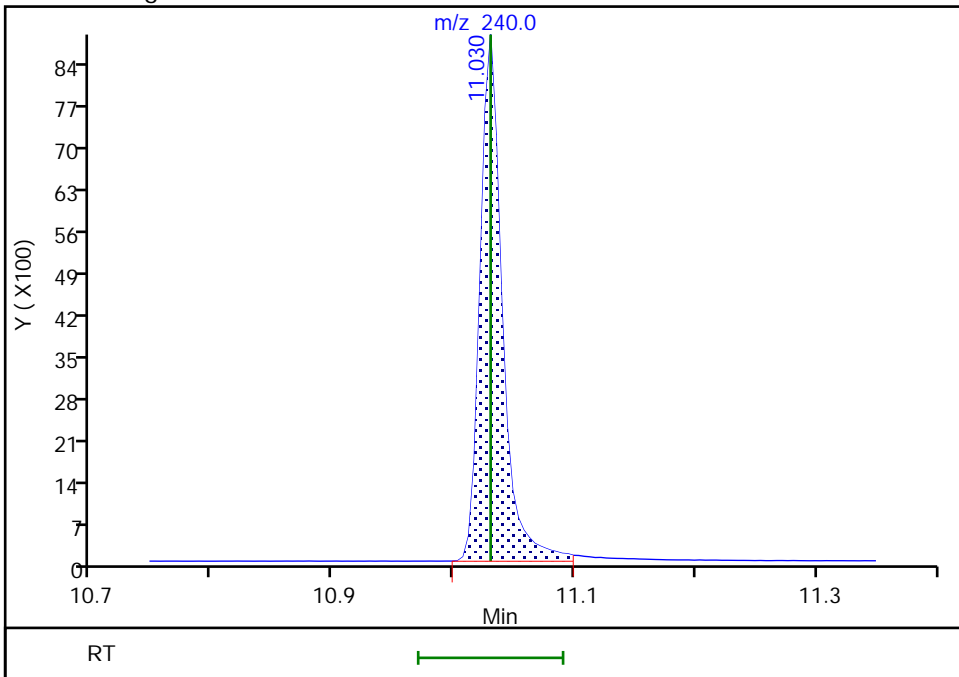
RT: 11.03
Area: 10718
Amount: 100.0000
Amount Units: ug/L

Processing Integration Results



RT: 11.03
Area: 11178
Amount: 100.0000
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:36:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

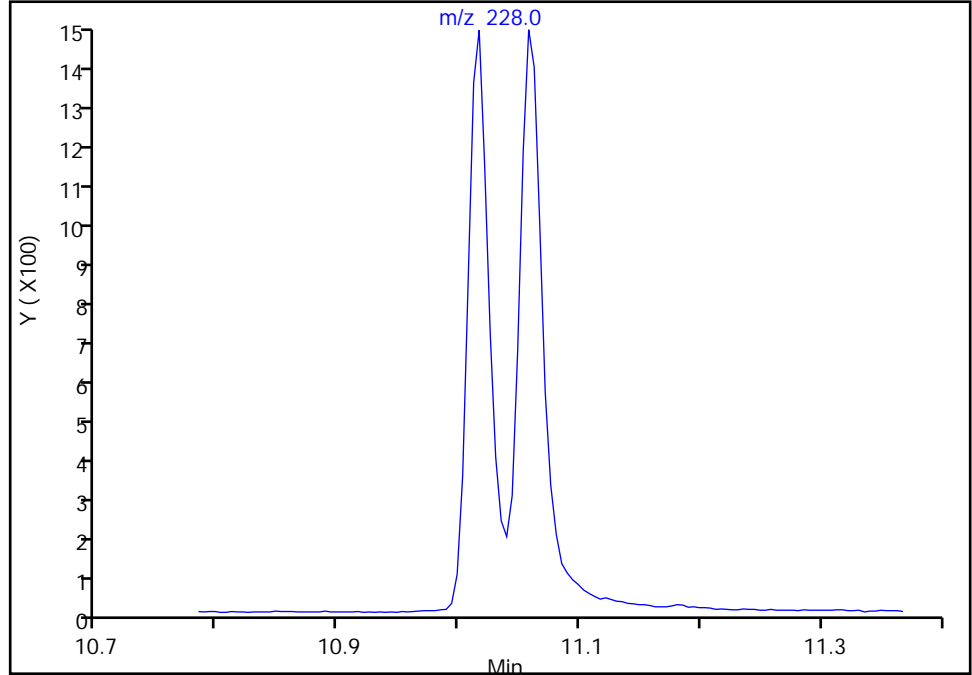
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Chrysene, CAS: 218-01-9

Signal: 1

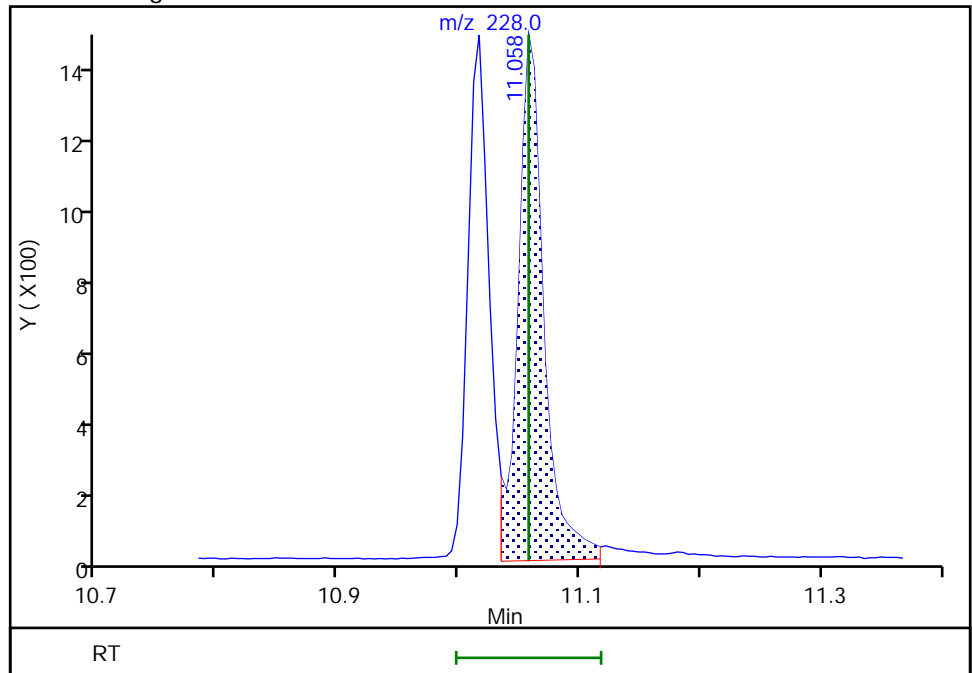
Not Detected
Expected RT: 11.06

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 2005
Amount: 10.490072
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:14
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

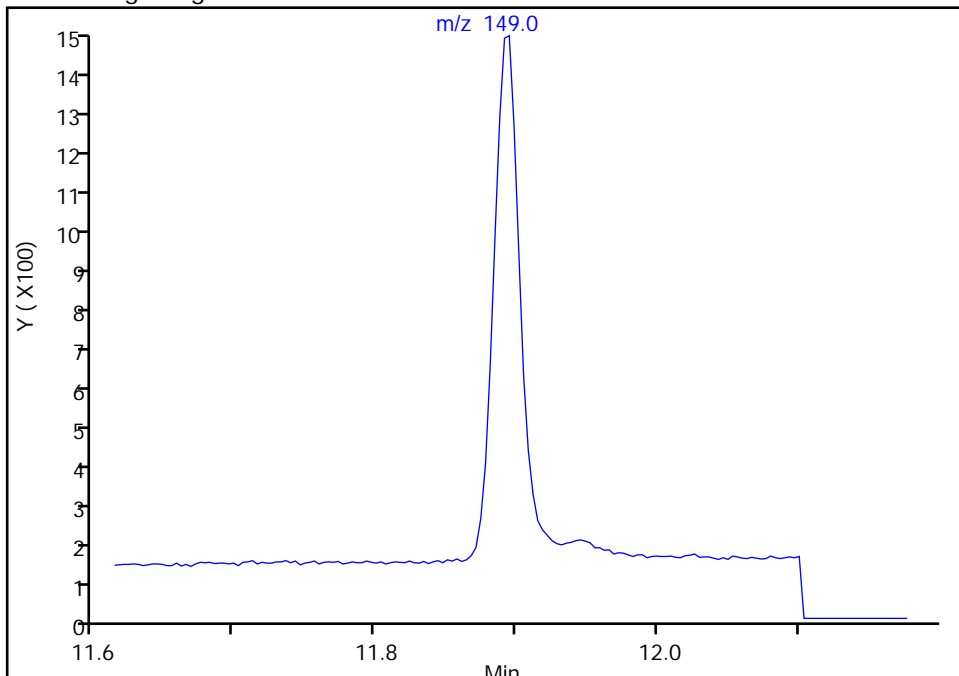
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

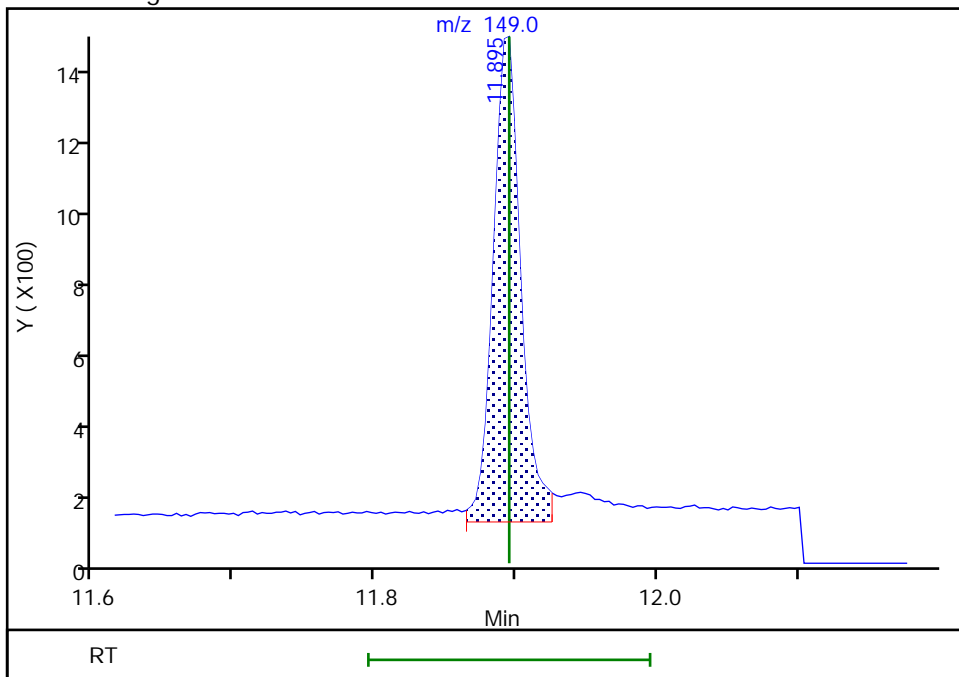
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 1754
Amount: 8.596257
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:09
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

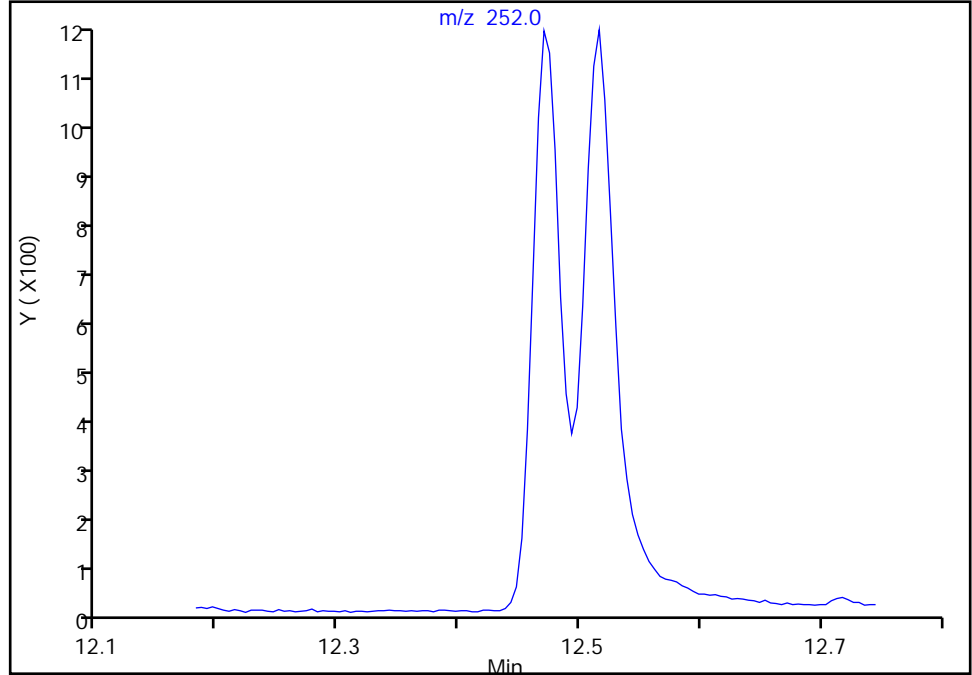
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

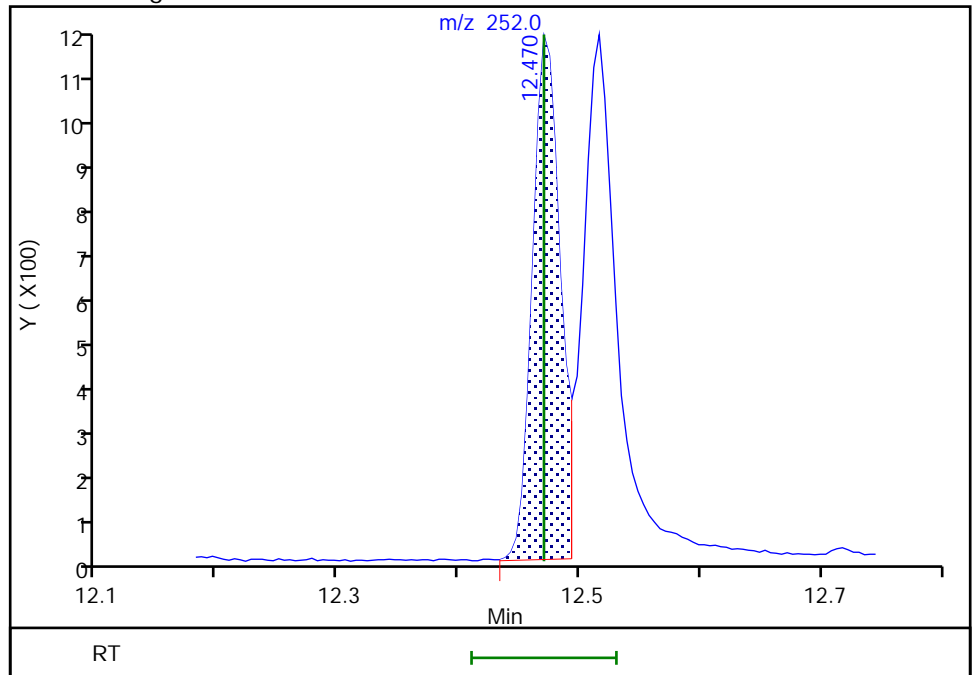
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 1654
Amount: 9.192187
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:06
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

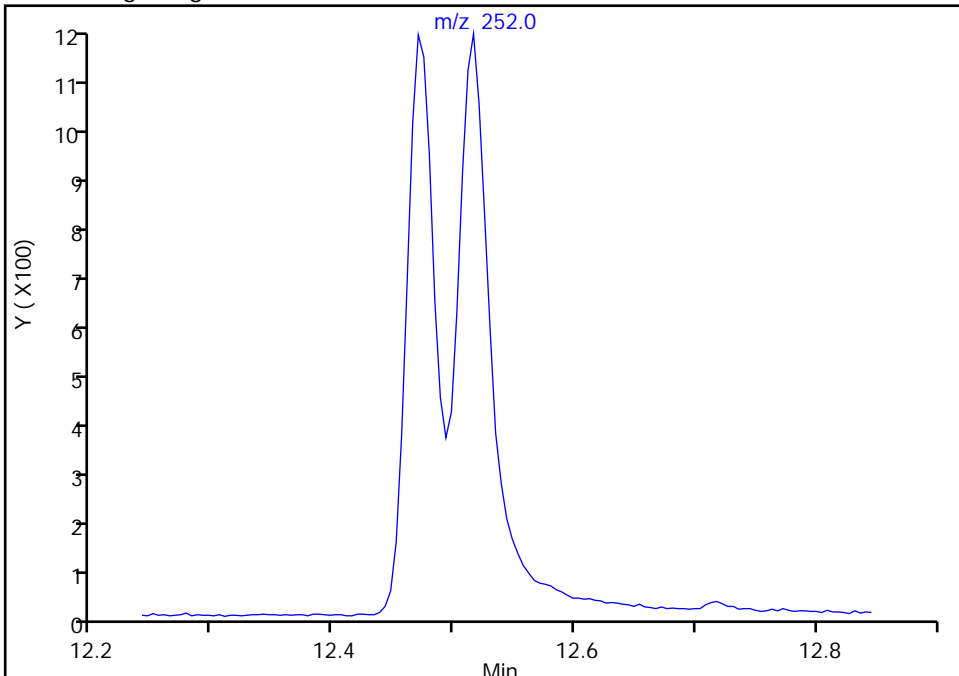
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

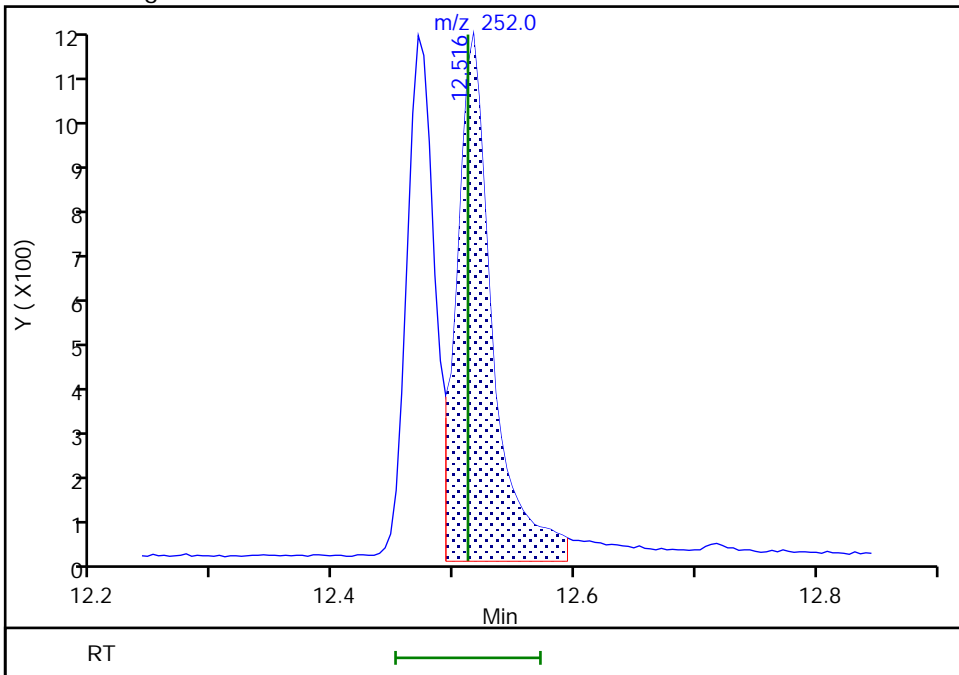
Not Detected
Expected RT: 12.51

Processing Integration Results



RT: 12.52
Area: 2146
Amount: 10.796595
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:21:01
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

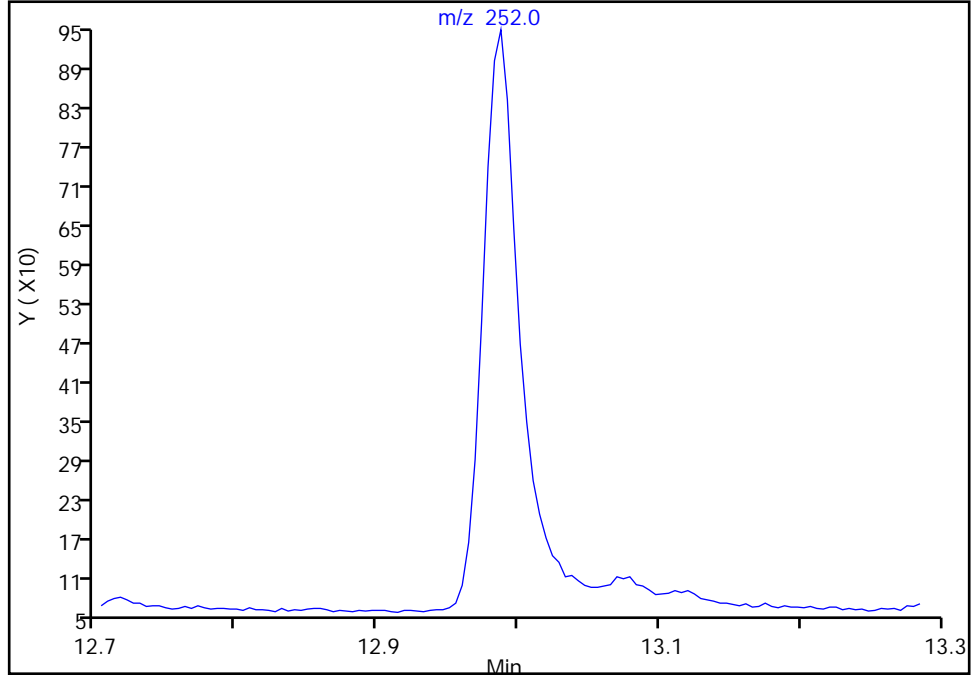
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

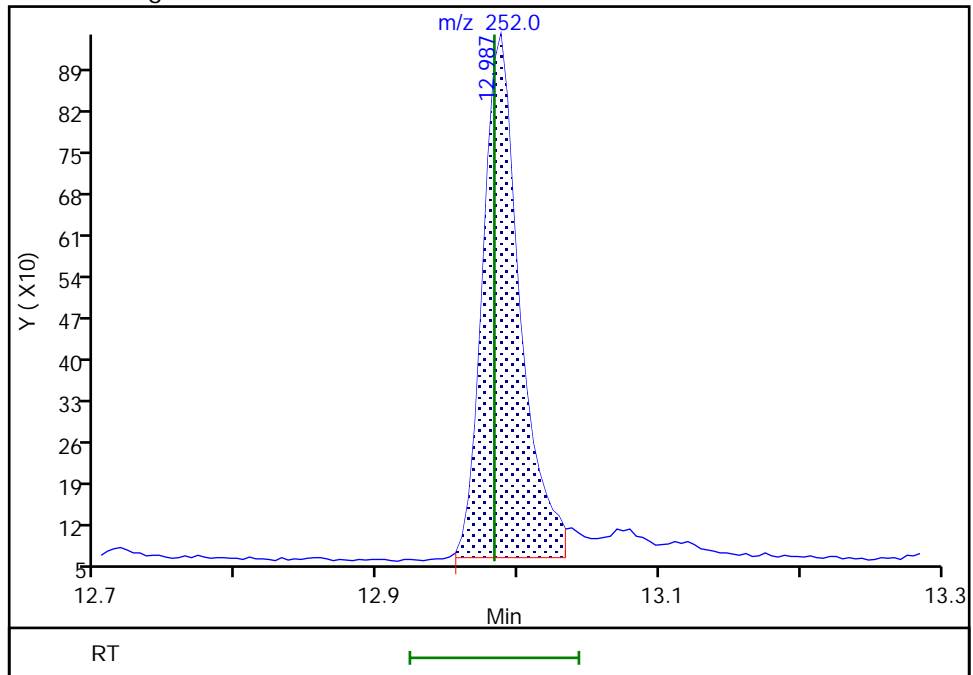
Not Detected
Expected RT: 12.98

Processing Integration Results



Manual Integration Results

RT: 12.99
Area: 1600
Amount: 8.885143
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:58
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

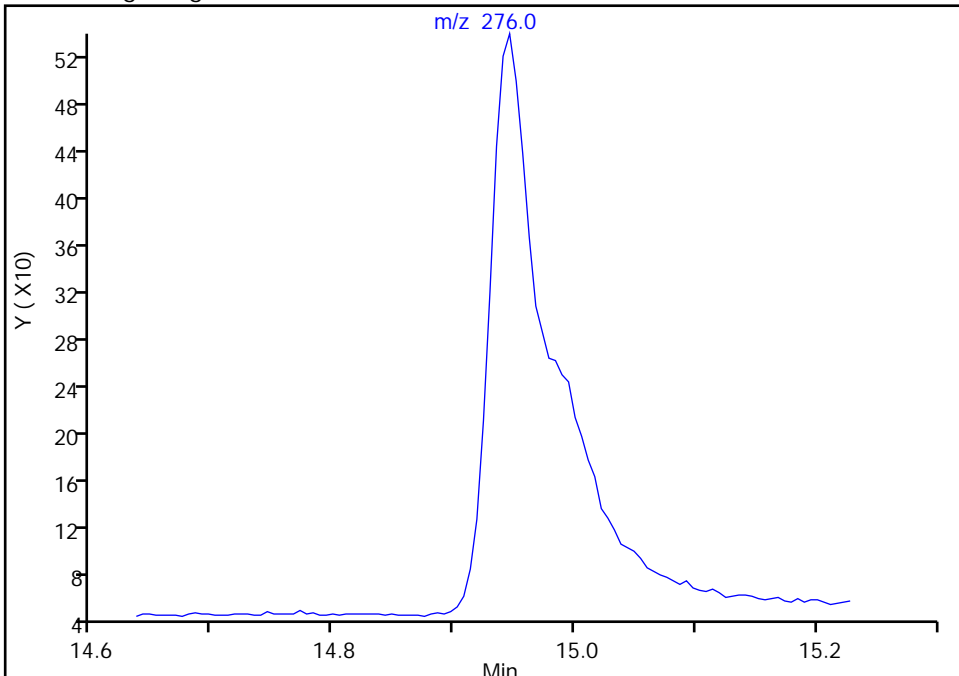
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

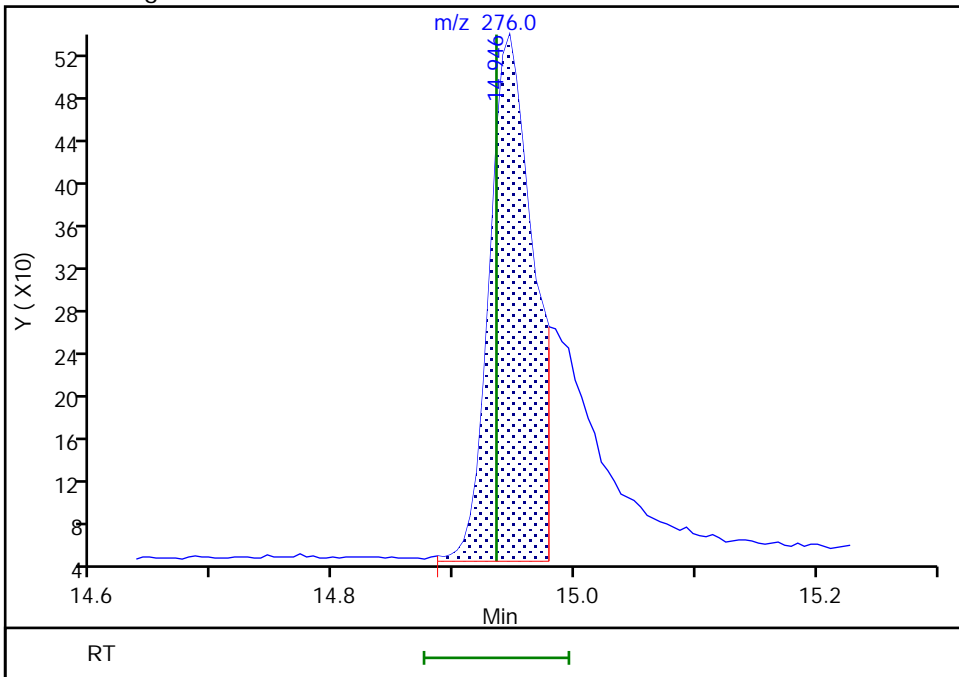
Not Detected
Expected RT: 14.93

Processing Integration Results



Manual Integration Results

RT: 14.95
Area: 1224
Amount: 9.076876
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:51
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

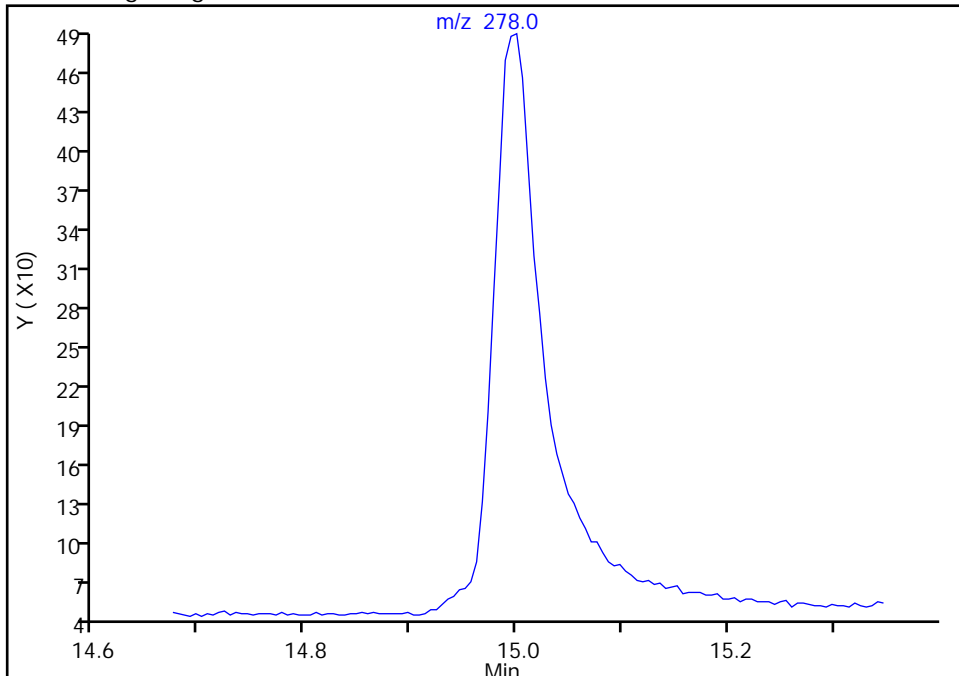
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

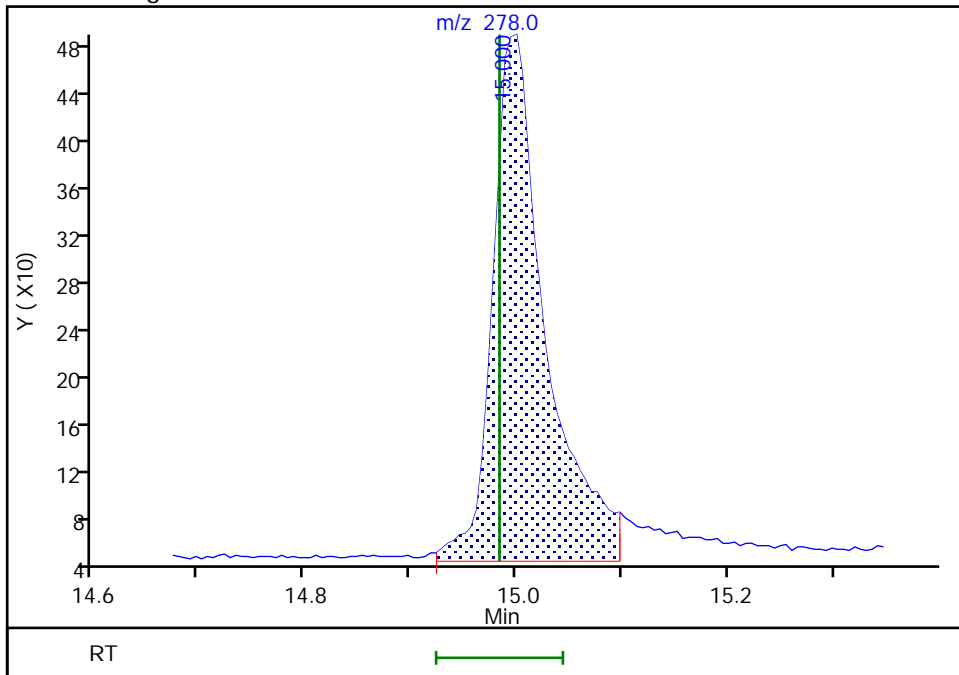
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 15.00
Area: 1524
Amount: 8.962254
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:46
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

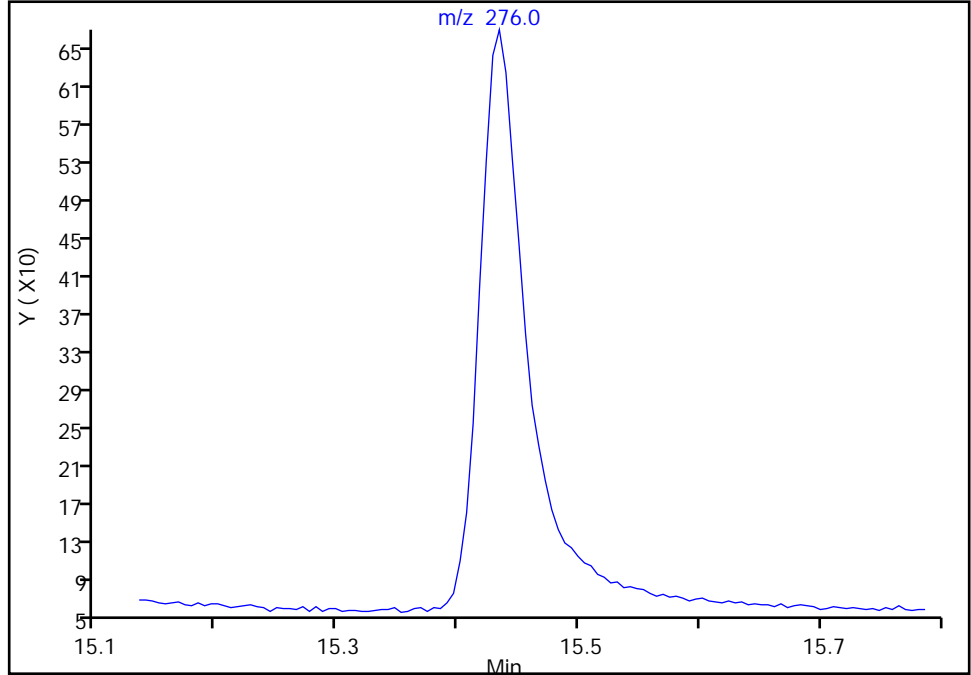
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

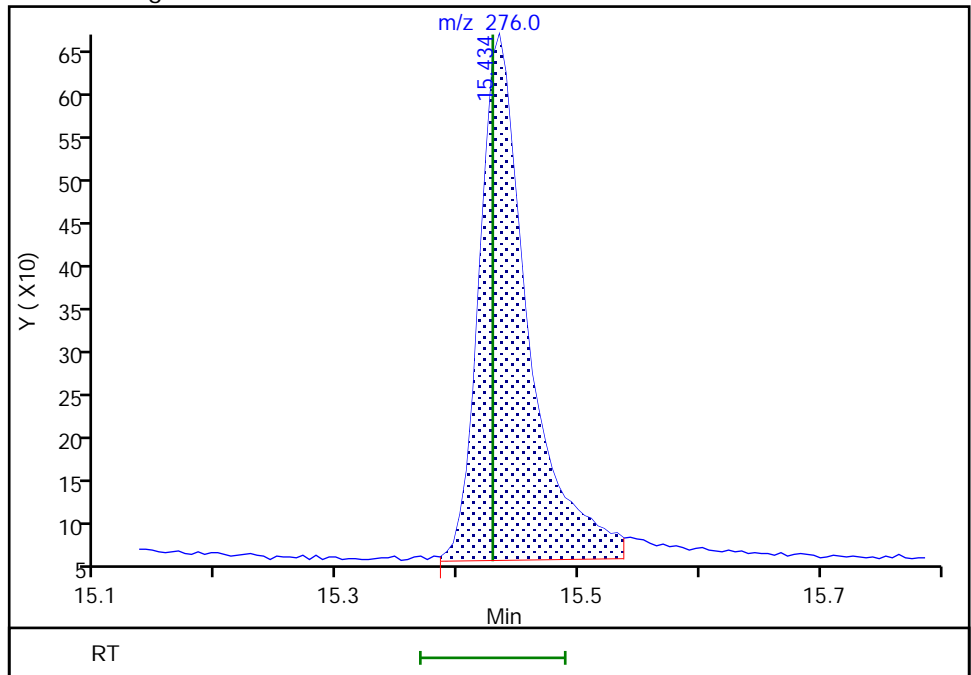
Not Detected
Expected RT: 15.43

Processing Integration Results



Manual Integration Results

RT: 15.43
Area: 1725
Amount: 9.273472
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:41
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
 Lims ID: std3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 14-Jan-2022 04:26:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 3
 Operator ID: jcm Instrument ID: TAC050
 Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 14-Jan-2022 15:42:20 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:18:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	22788	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	69	10125	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	15677	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	49	12288	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.074	0.005	69	14073	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	674	5.00	5.00	M
\$ 10 2-Fluorobiphenyl	172	6.193	6.190	0.003	0	854	5.00	5.27	M
\$ 7 2,4,6-Tribromophenol	330	7.637	7.628	0.009	58	113	5.00	9.58	M
\$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.502	0.004	68	1038	5.00	5.24	M
\$ 9 Terphenyl-d14	244	9.900	9.896	0.004	94	782	5.00	6.22	M
11 Naphthalene	128	5.189	5.189	0.000	100	1258	5.00	5.22	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	96	702	5.00	5.14	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	99	671	5.00	5.07	M
14 Acenaphthylene	152	6.717	6.717	0.000	100	1063	5.00	4.97	M
15 Acenaphthene	153	6.884	6.884	0.000	95	682	5.00	5.08	
16 Fluorene	166	7.394	7.389	0.005	96	762	5.00	5.09	M
18 Phenanthrene	178	8.342	8.342	0.000	100	1265	5.00	5.29	M
19 Anthracene	178	8.393	8.389	0.004	98	1238	5.00	5.31	M
20 Fluoranthene	202	9.522	9.522	0.000	52	1256	5.00	5.28	M
21 Pyrene	202	9.750	9.746	0.004	29	1375	5.00	5.47	M
22 Benzo[a]anthracene	228	11.012	11.012	0.000	89	1118	5.00	5.03	M
23 Chrysene	228	11.058	11.057	0.001	99	1221	5.00	5.15	M
30 Bis(2-ethylhexyl) phthalate	149	11.891	11.895	-0.004	0	1083	5.00	4.52	M
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	98	1076	5.00	5.05	M
25 Benzo[k]fluoranthene	252	12.516	12.511	0.005	95	1238	5.00	5.23	M
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	1088	5.00	5.13	M
27 Indeno[1,2,3-cd]pyrene	276	14.940	14.935	0.005	96	804	5.00	5.46	M
28 Dibenz(a,h)anthracene	278	14.995	14.984	0.011	95	1020	5.00	5.16	M
29 Benzo[g,h,i]perylene	276	15.434	15.429	0.005	91	1138	5.00	5.22	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

8270ccvl_50_00039

Amount Added: 100.00

Units: uL

8270SIM_IS_00069

Amount Added: 9.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D

Injection Date: 14-Jan-2022 04:26:30

Instrument ID: TAC050

Lims ID: std3

Client ID:

Operator ID: jcm

ALS Bottle#: 14

Worklist Smp#: 14

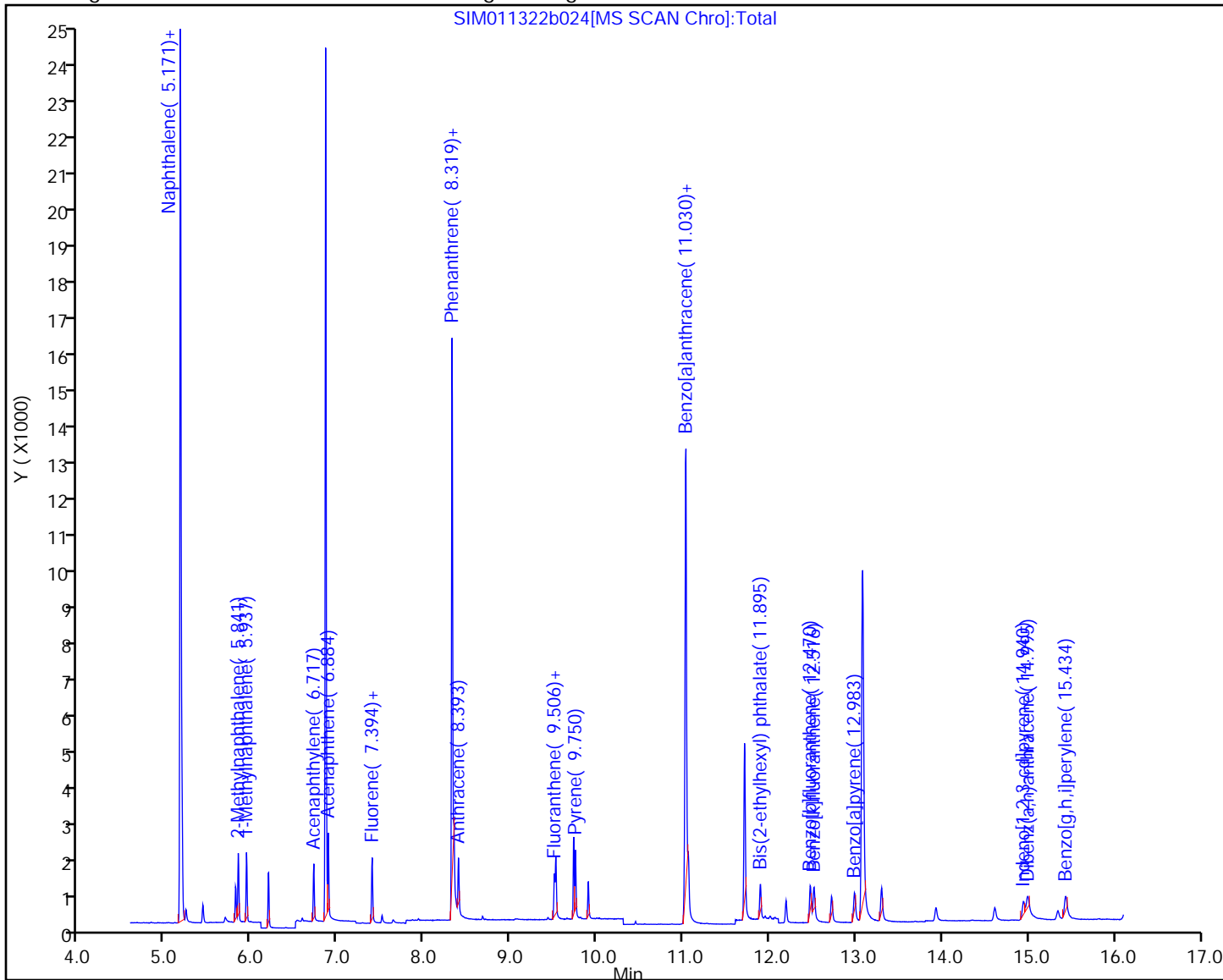
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

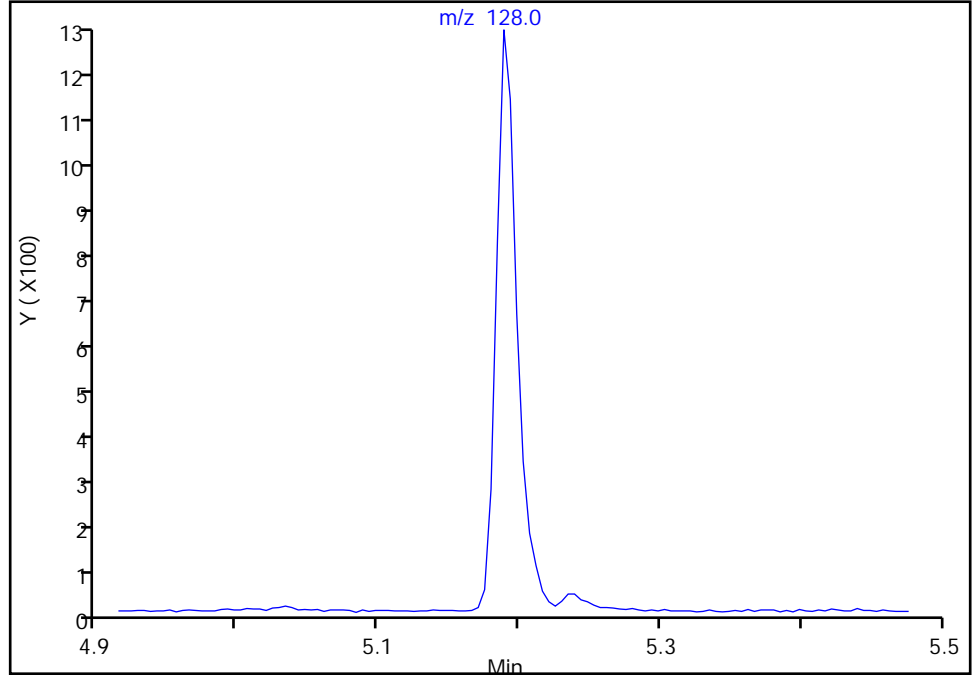
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

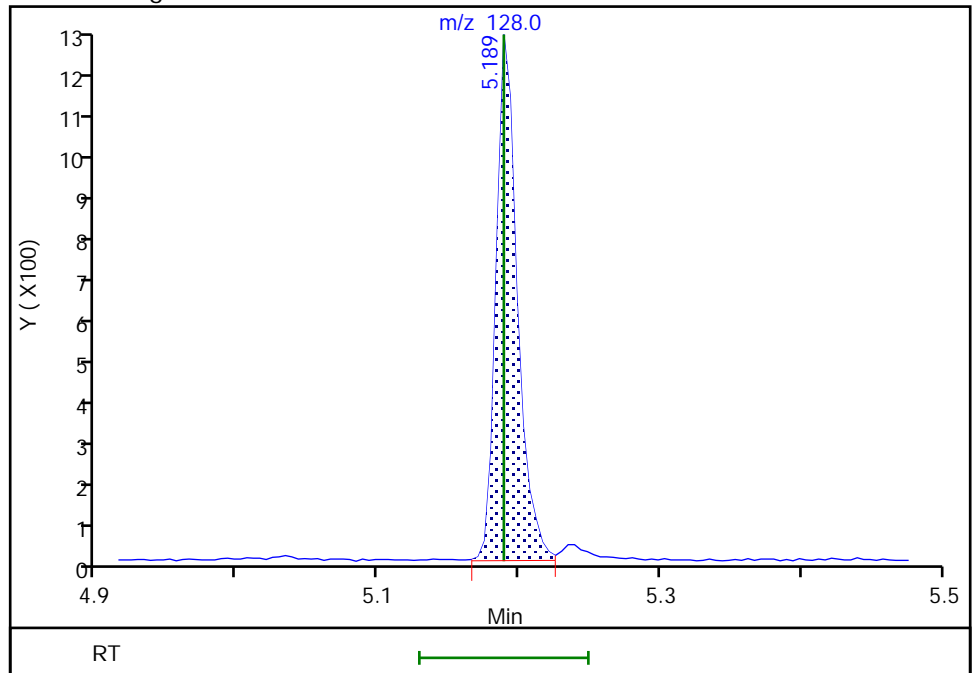
Not Detected
Expected RT: 5.19

Processing Integration Results



RT: 5.19
Area: 1258
Amount: 5.219533
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:25:06
Audit Action: Manually Integrated

Audit Reason: Assign Peak

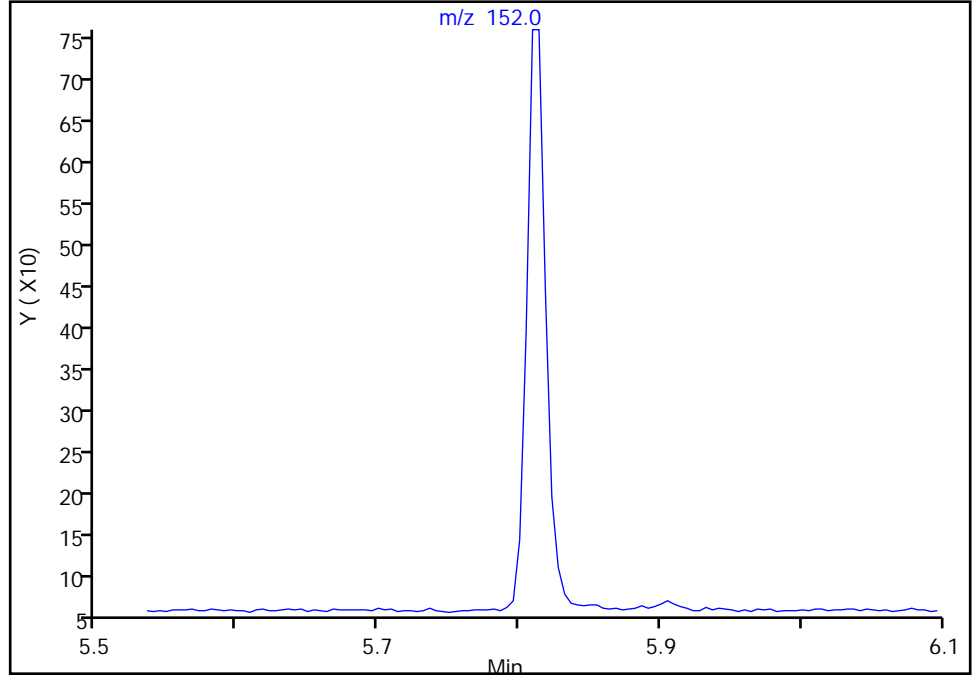
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 6 2-methylnaphthalene-d10, CAS: 7297-45-2
Signal: 1

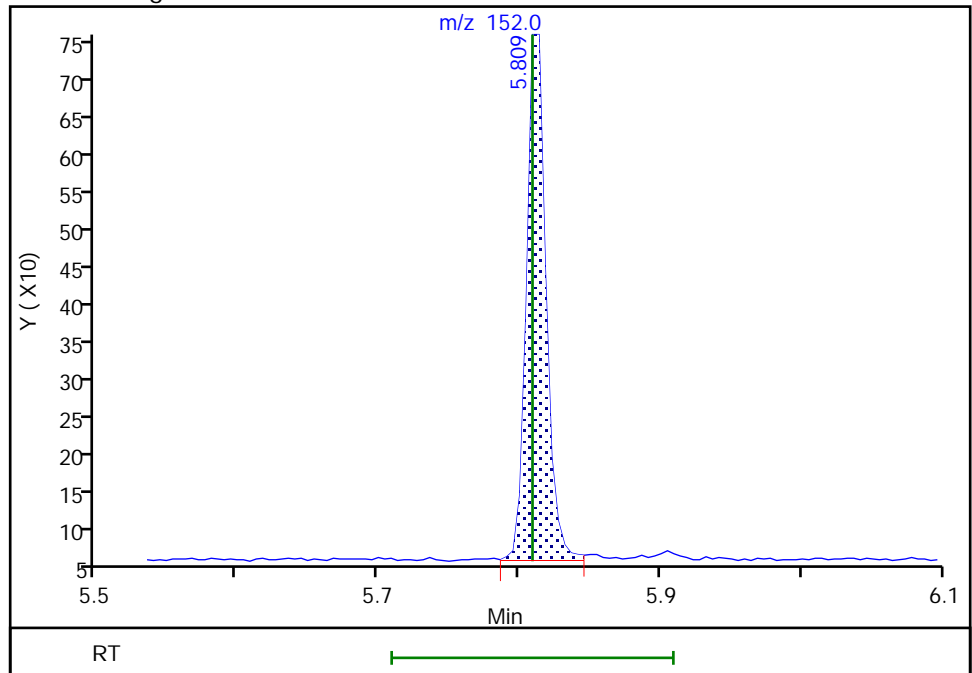
Not Detected
Expected RT: 5.81

Processing Integration Results



RT: 5.81
Area: 674
Amount: 4.999521
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:24:42
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

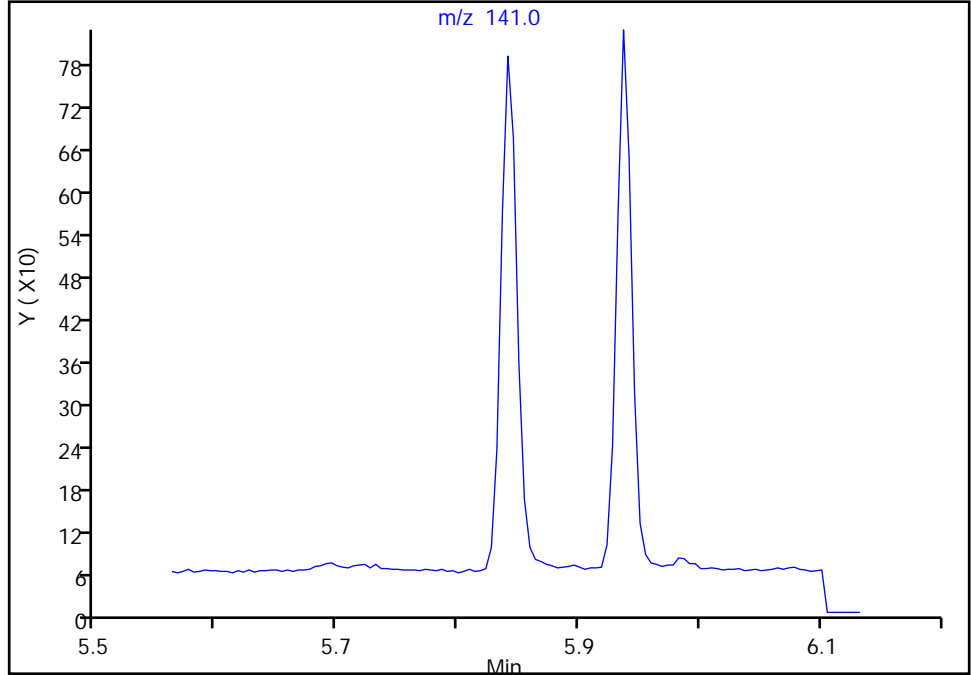
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

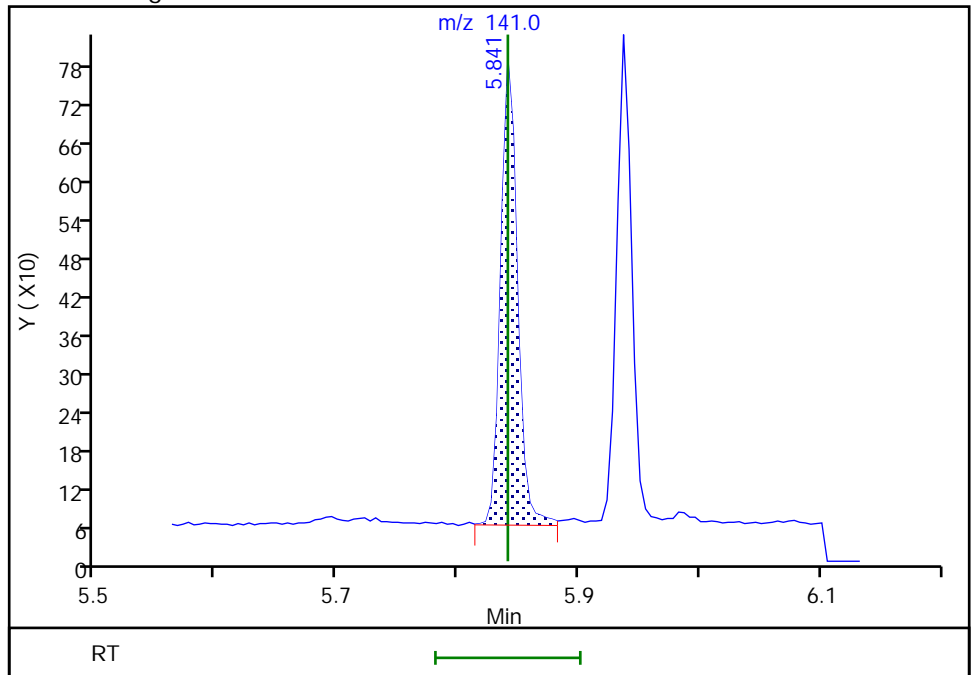
Not Detected
Expected RT: 5.84

Processing Integration Results



RT: 5.84
Area: 702
Amount: 5.135764
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:25:10
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

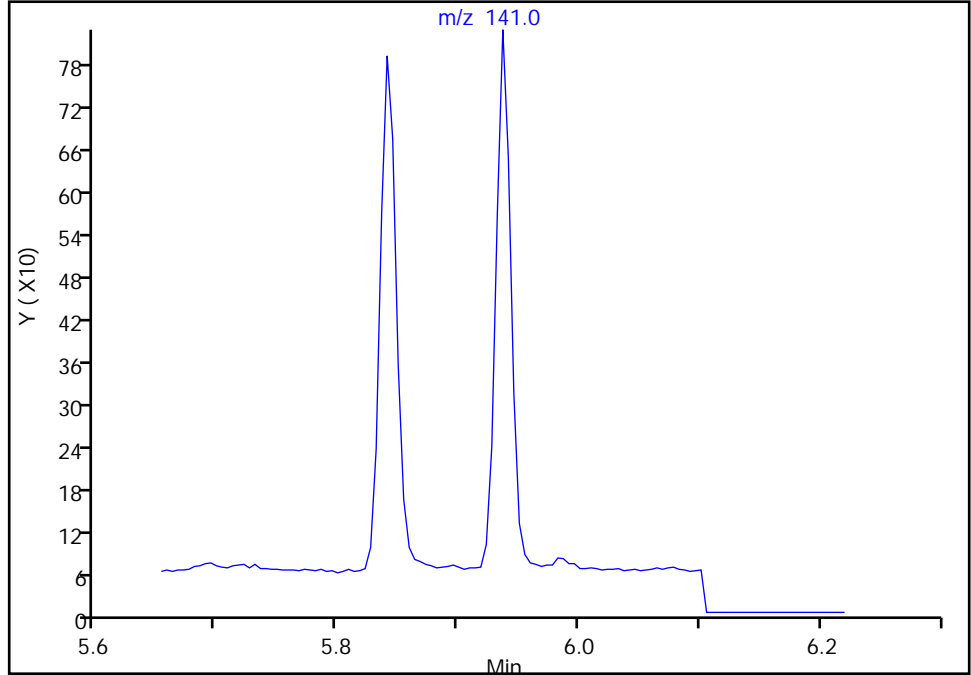
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

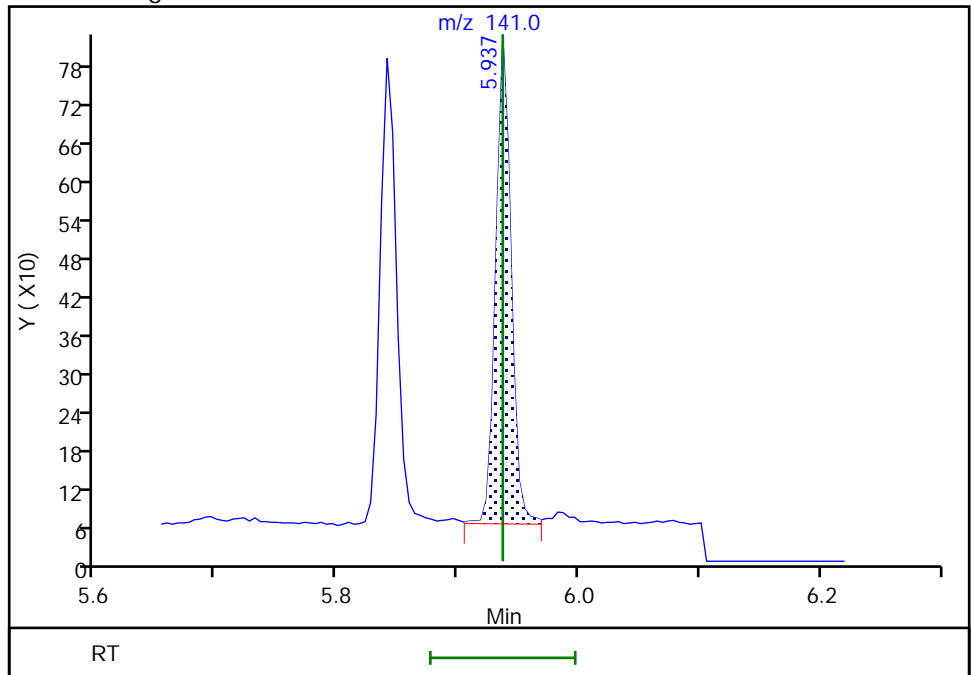
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 671
Amount: 5.068040
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:14
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

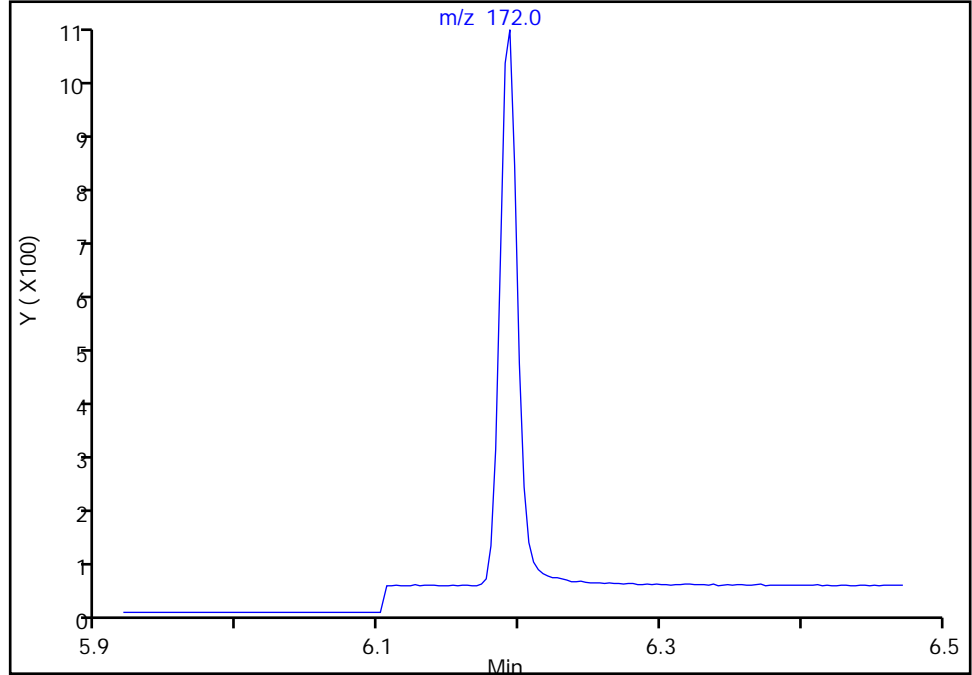
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

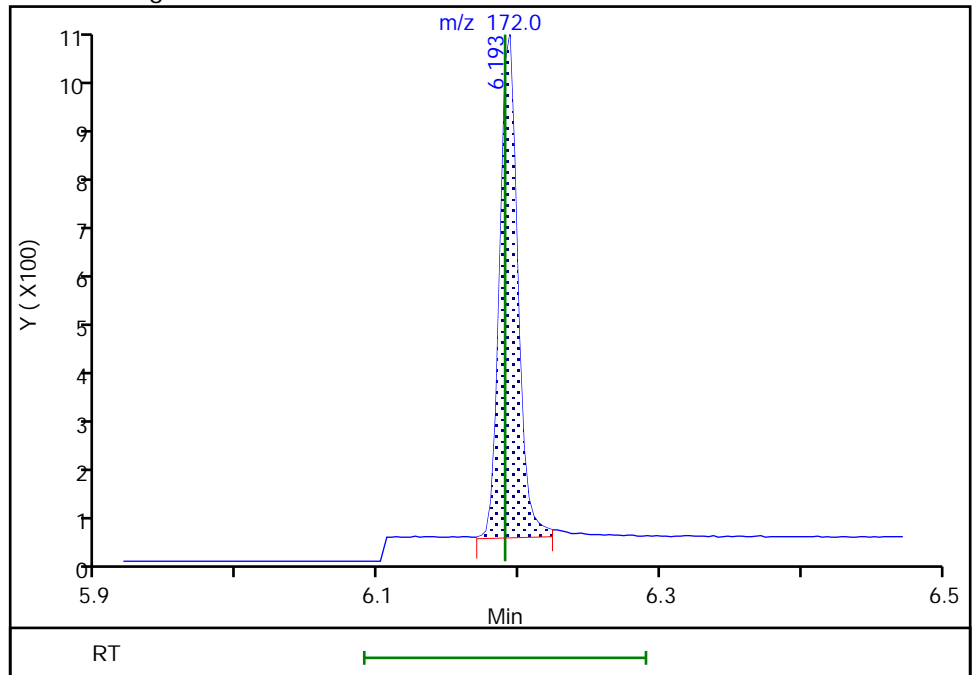
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 854
Amount: 5.271019
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:24:47
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

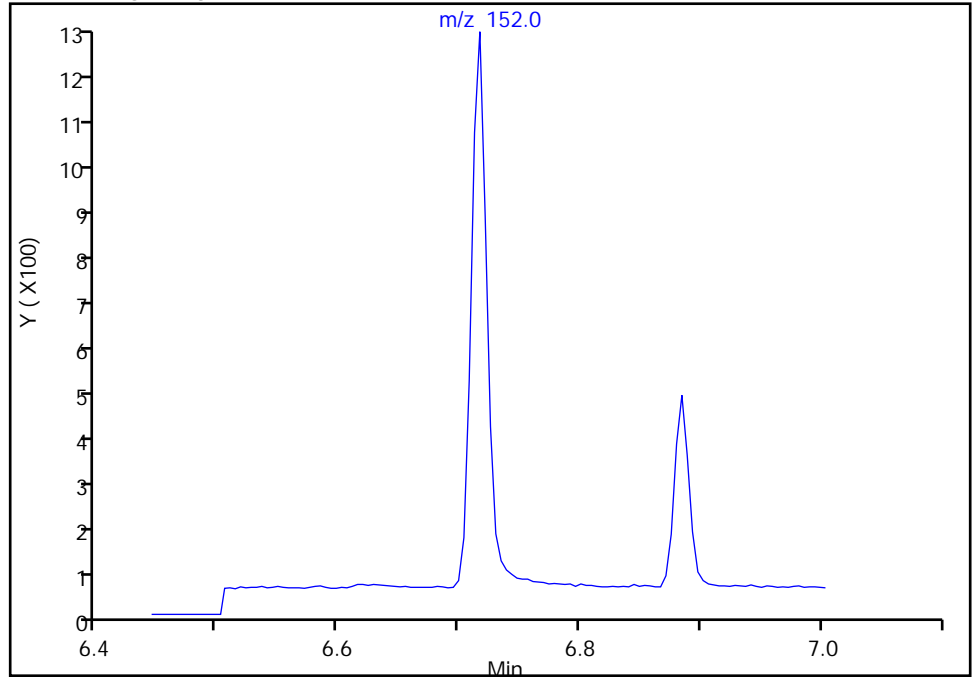
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Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

14 Acenaphthylene, CAS: 208-96-8

Signal: 1

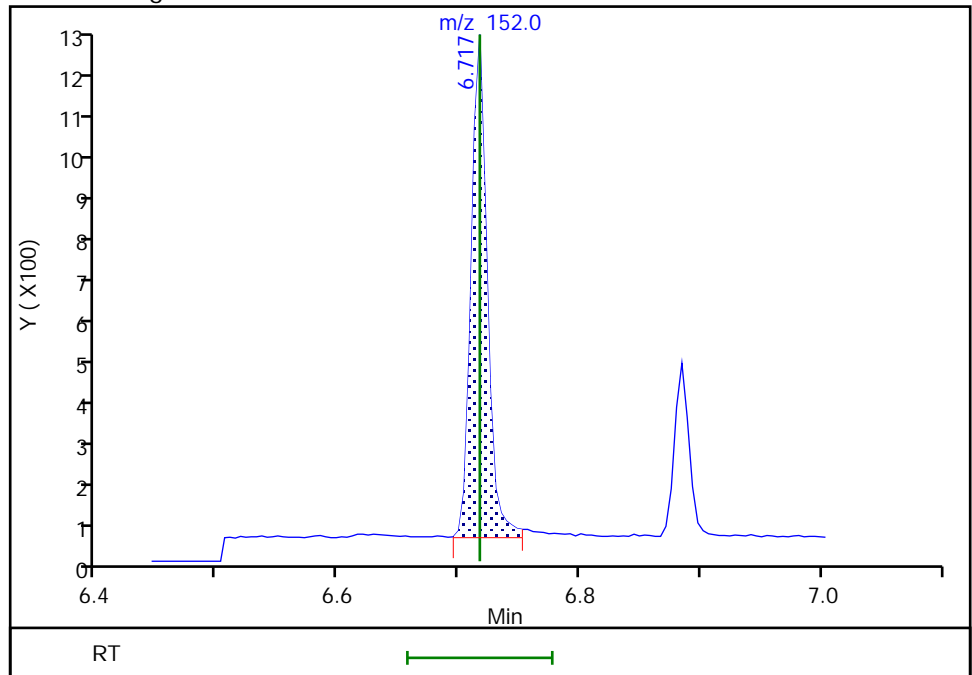
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 1063
Amount: 4.965980
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:18
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

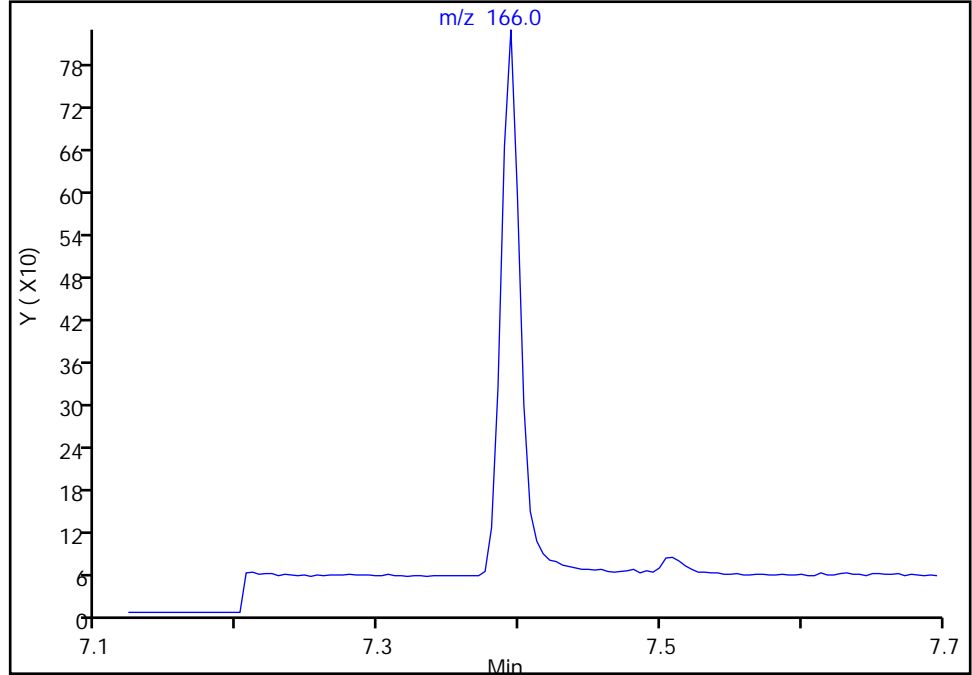
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Fluorene, CAS: 86-73-7

Signal: 1

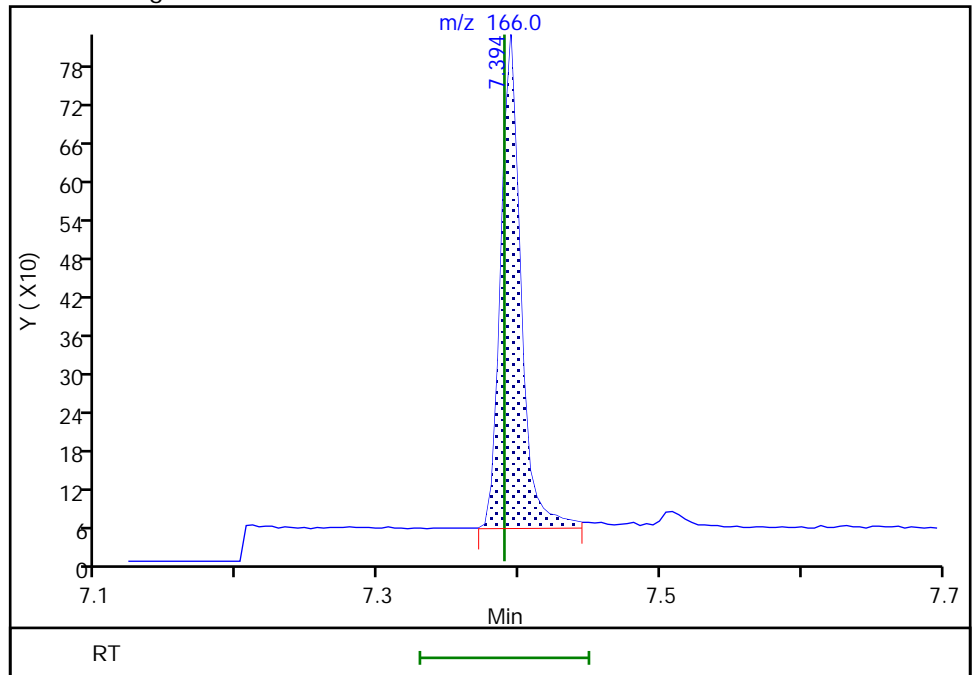
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 762
Amount: 5.088129
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:24
Audit Action: Manually Integrated

Audit Reason: Assign Peak

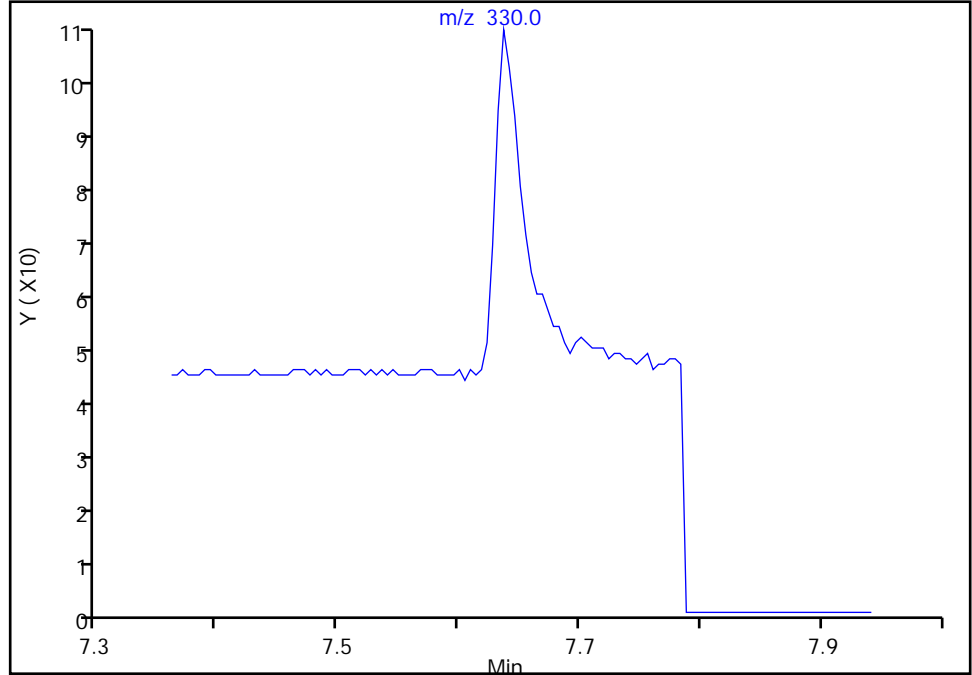
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 7 2,4,6-Tribromophenol, CAS: 118-79-6
Signal: 1

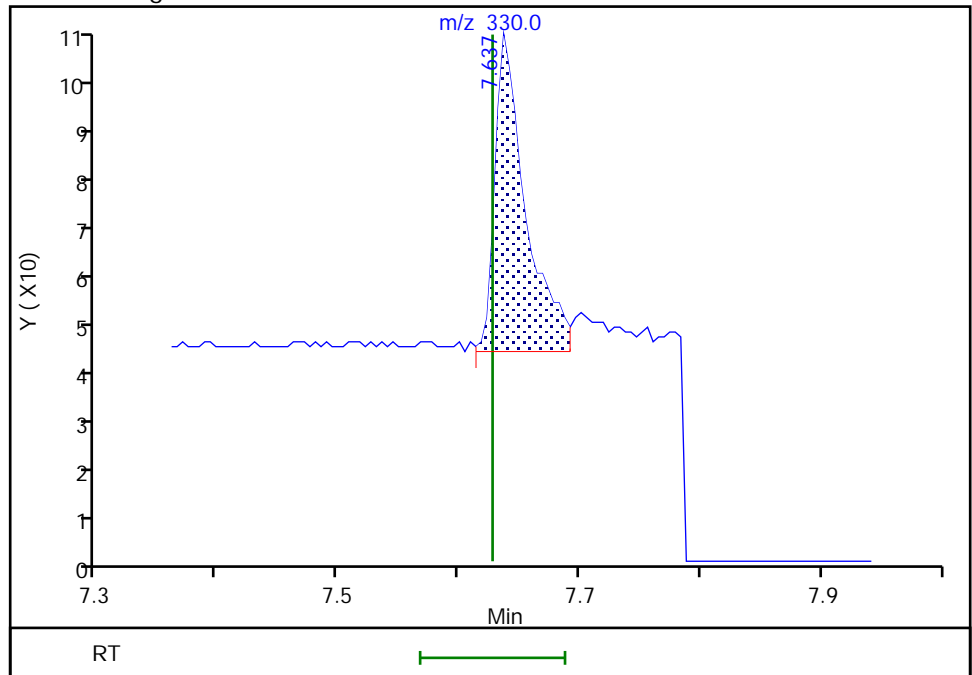
Not Detected
Expected RT: 7.63

Processing Integration Results



Manual Integration Results

RT: 7.64
Area: 113
Amount: 9.578742
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:24:51
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

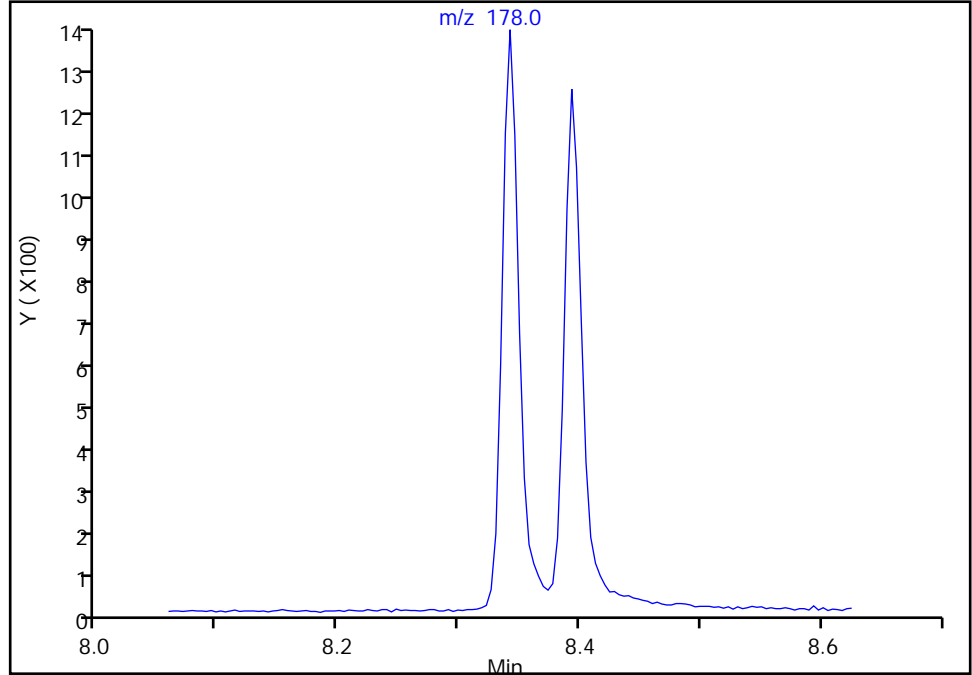
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Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

18 Phenanthrene, CAS: 85-01-8

Signal: 1

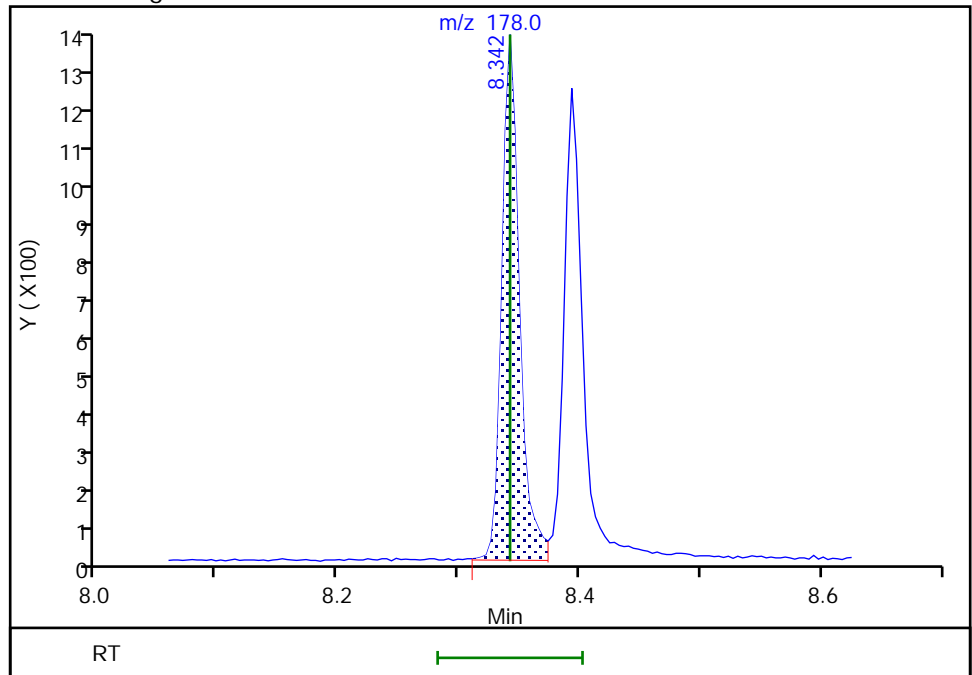
Not Detected
Expected RT: 8.34

Processing Integration Results



RT: 8.34
Area: 1265
Amount: 5.285785
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:25:31
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

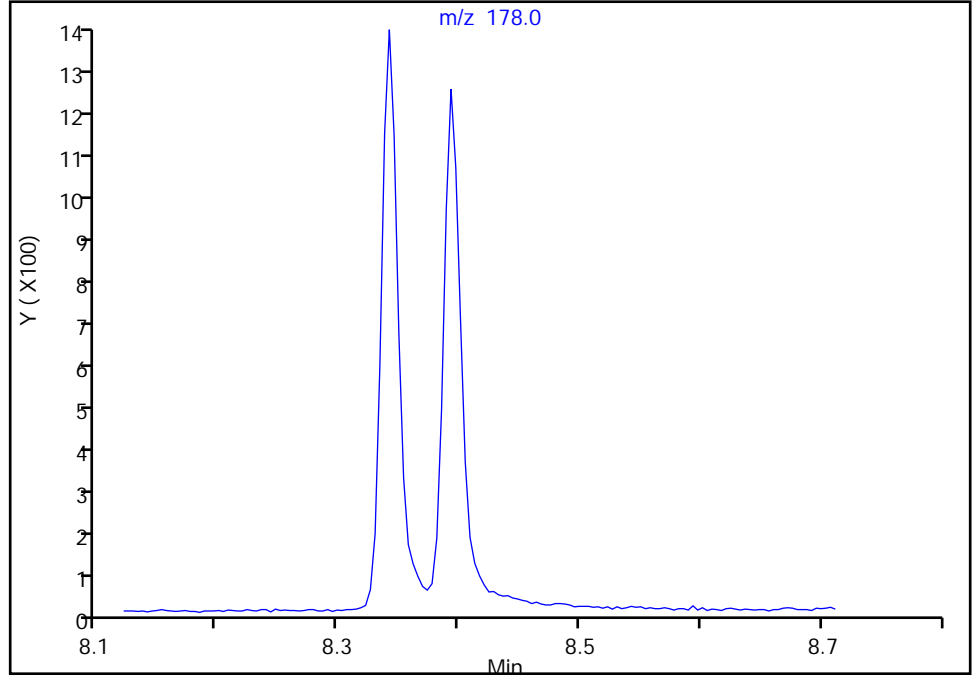
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Anthracene, CAS: 120-12-7

Signal: 1

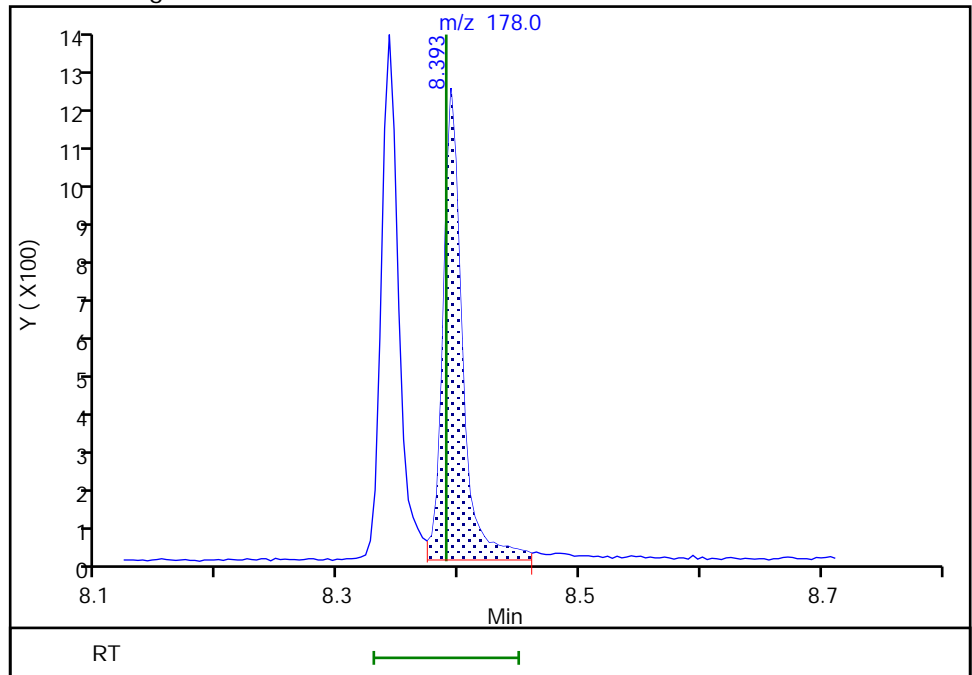
Not Detected
Expected RT: 8.39

Processing Integration Results



RT: 8.39
Area: 1238
Amount: 5.313964
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:25:38
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

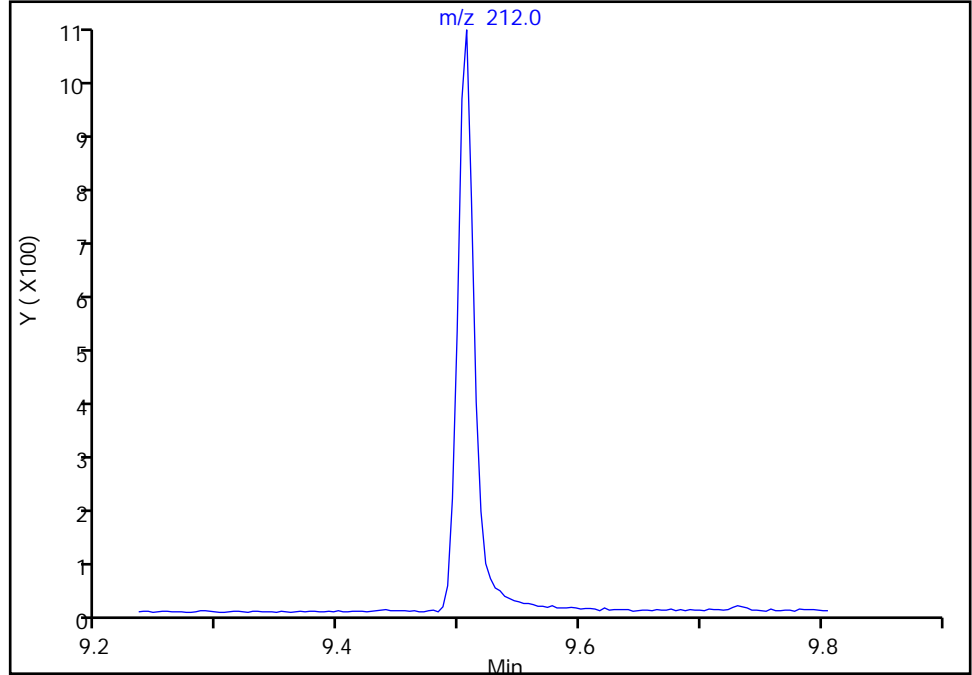
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 8 Fluoranthene-d10 (Surr), CAS: 93951-69-0

Signal: 1

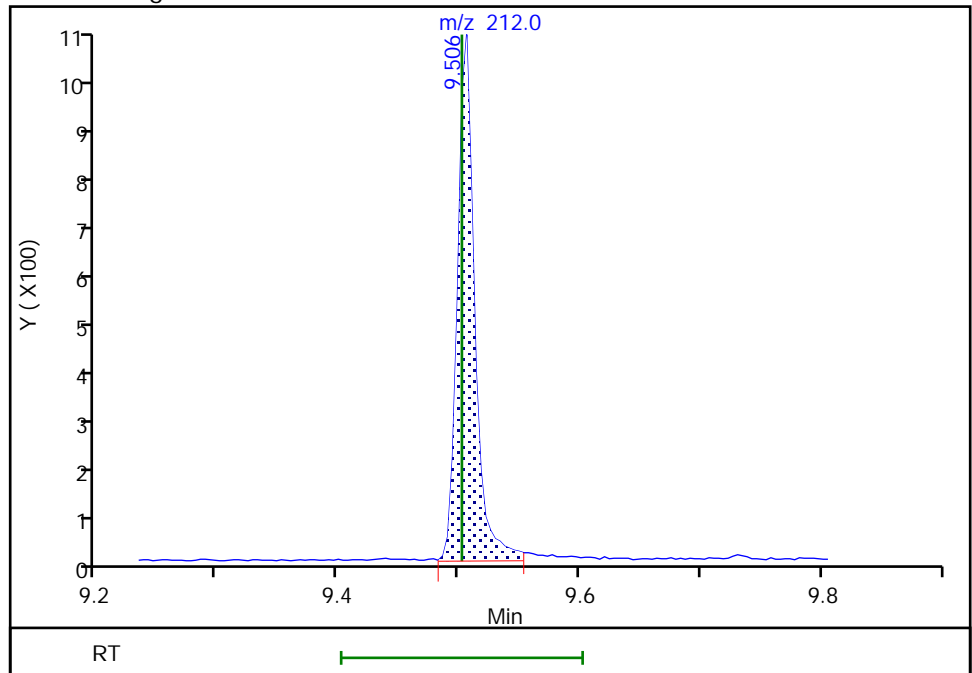
Not Detected
Expected RT: 9.50

Processing Integration Results



Manual Integration Results

RT: 9.51
Area: 1038
Amount: 5.240464
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:24:56
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

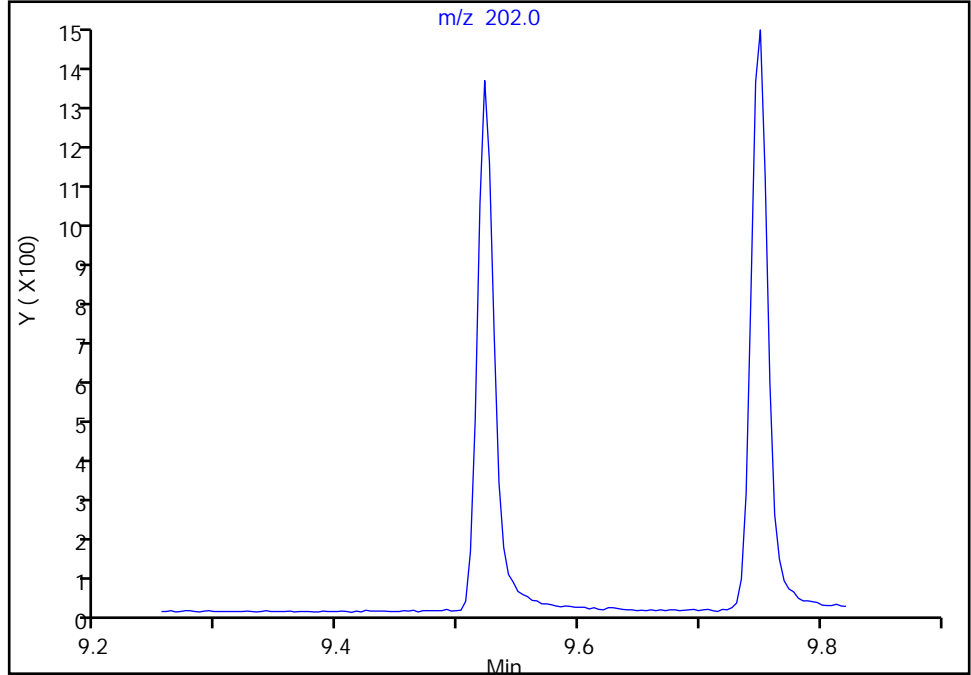
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Fluoranthene, CAS: 206-44-0

Signal: 1

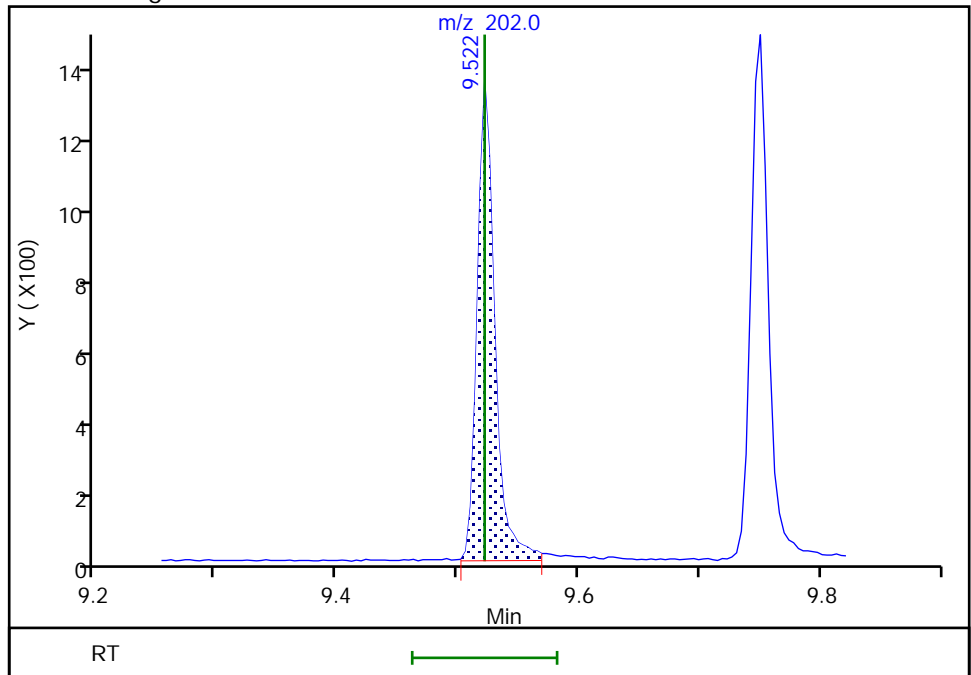
Not Detected
Expected RT: 9.52

Processing Integration Results



RT: 9.52
Area: 1256
Amount: 5.278999
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:26:06
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

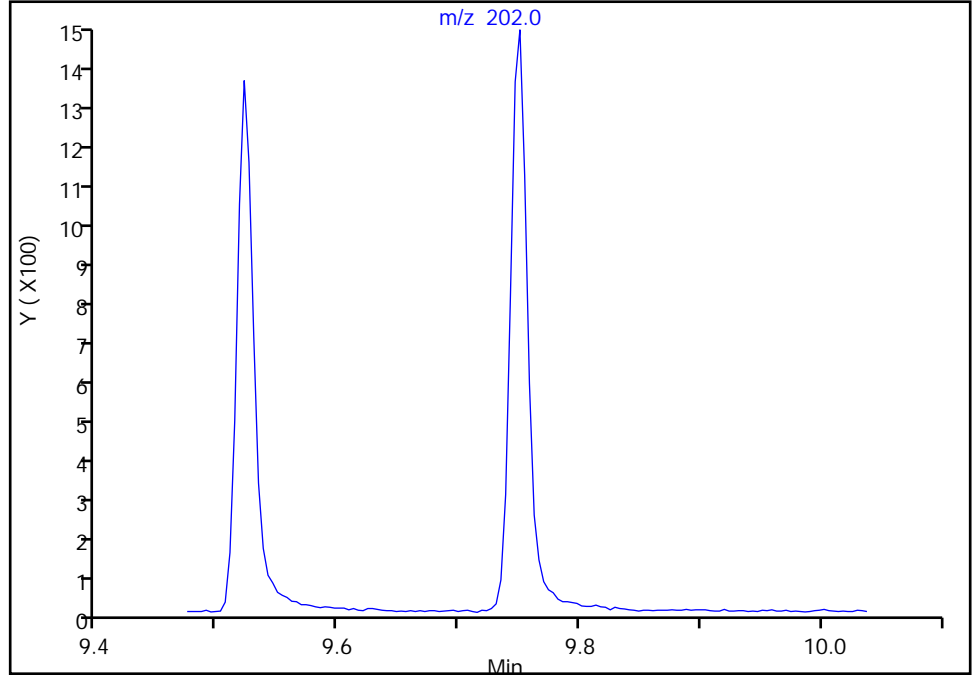
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Pyrene, CAS: 129-00-0

Signal: 1

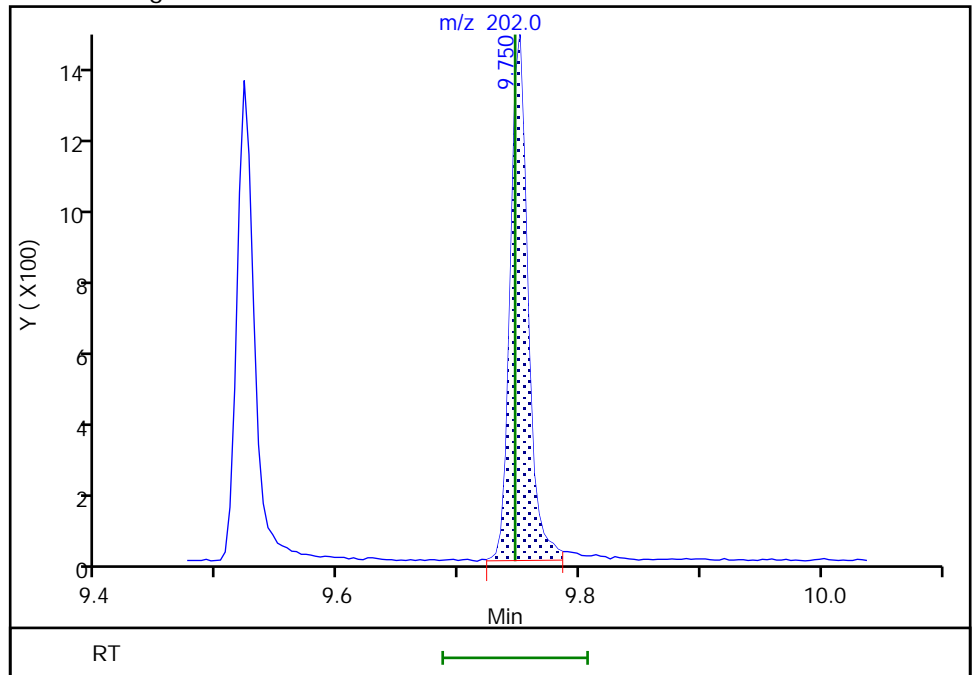
Not Detected
Expected RT: 9.75

Processing Integration Results



Manual Integration Results

RT: 9.75
Area: 1375
Amount: 5.470931
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:10
Audit Action: Manually Integrated

Audit Reason: Assign Peak

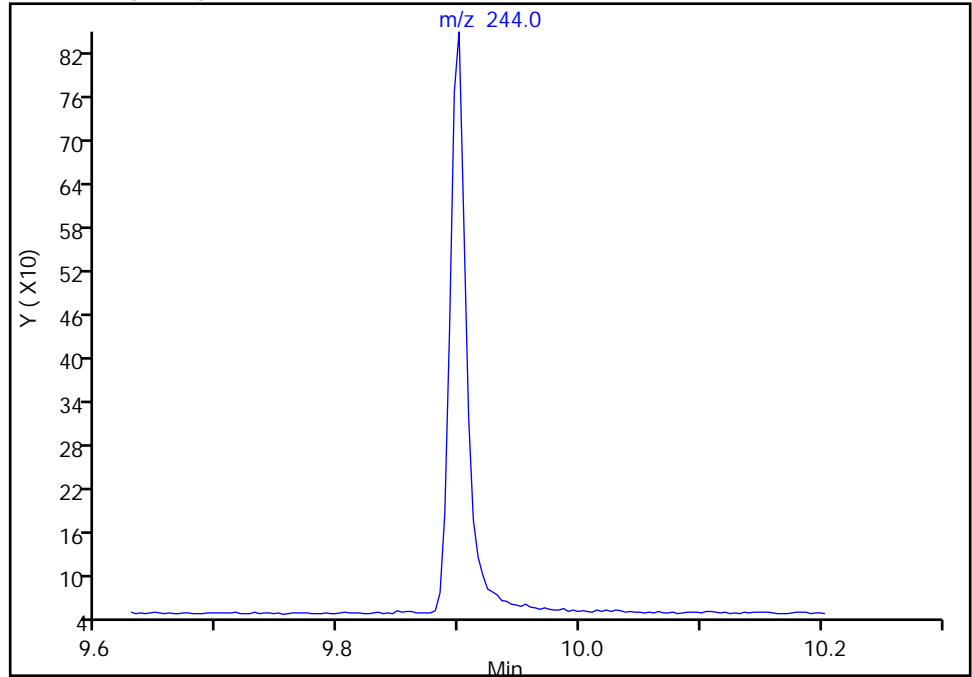
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 9 Terphenyl-d14, CAS: 1718-51-0
Signal: 1

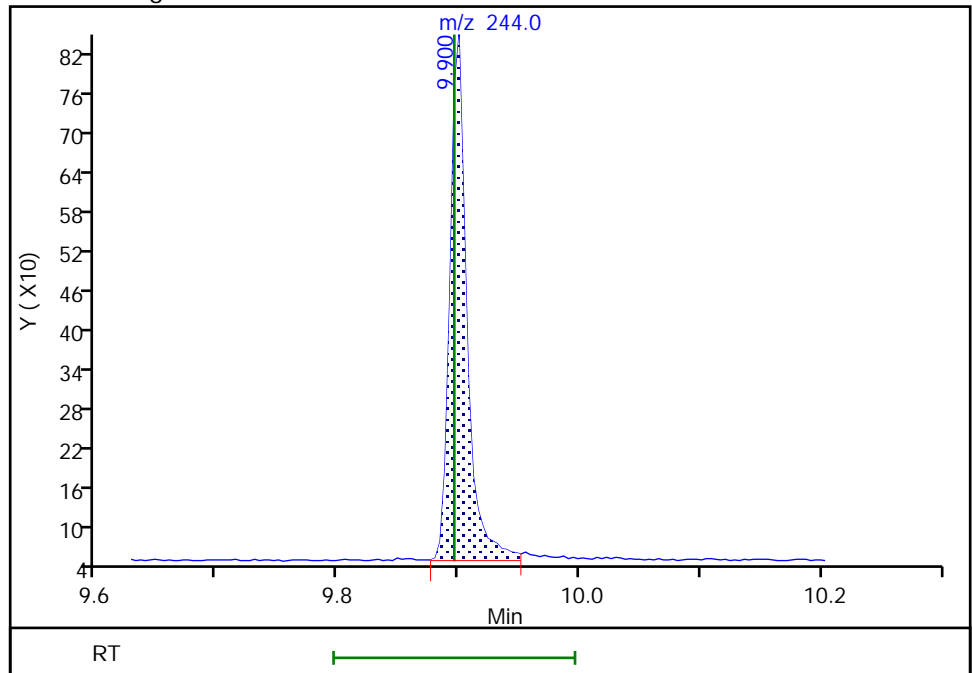
Not Detected
Expected RT: 9.90

Processing Integration Results



RT: 9.90
Area: 782
Amount: 6.223975
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:25:02
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

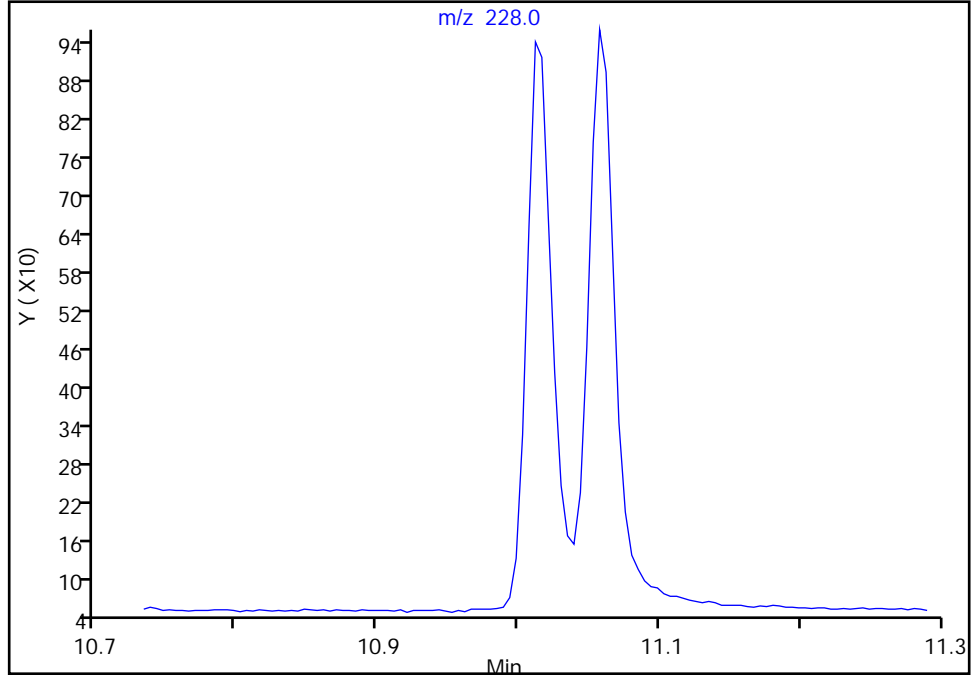
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

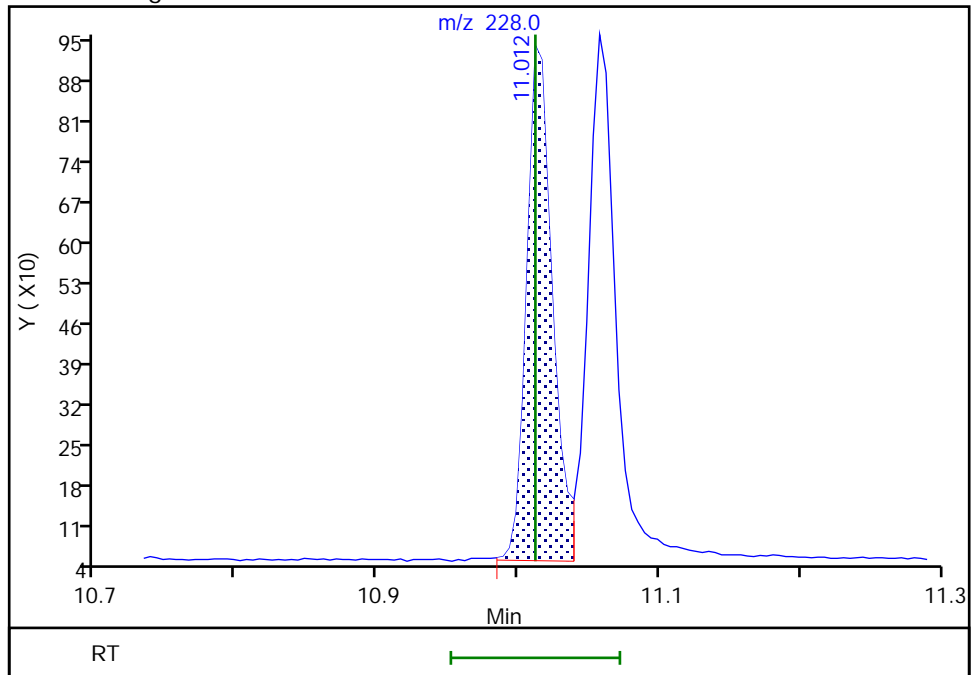
Not Detected
Expected RT: 11.01

Processing Integration Results



RT: 11.01
Area: 1118
Amount: 5.025826
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:26:26
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

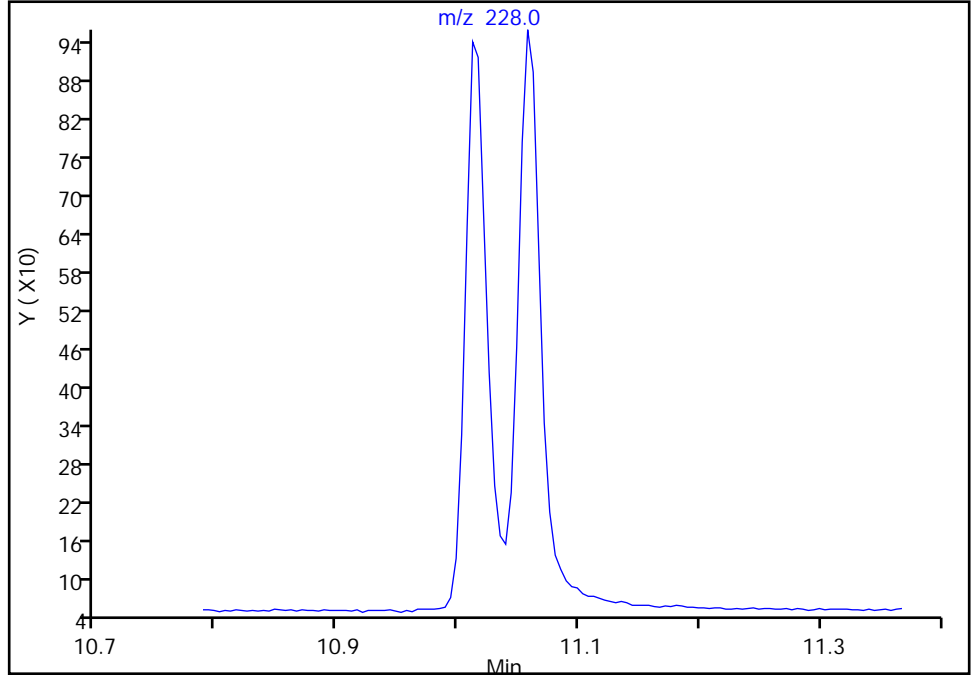
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Chrysene, CAS: 218-01-9

Signal: 1

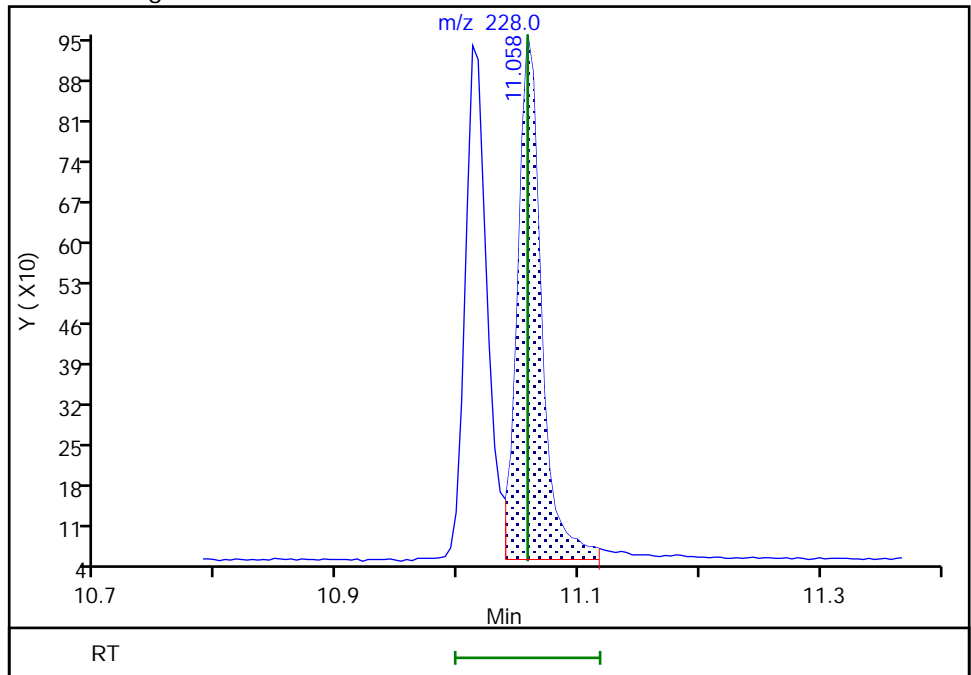
Not Detected
Expected RT: 11.06

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 1221
Amount: 5.148902
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:39
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

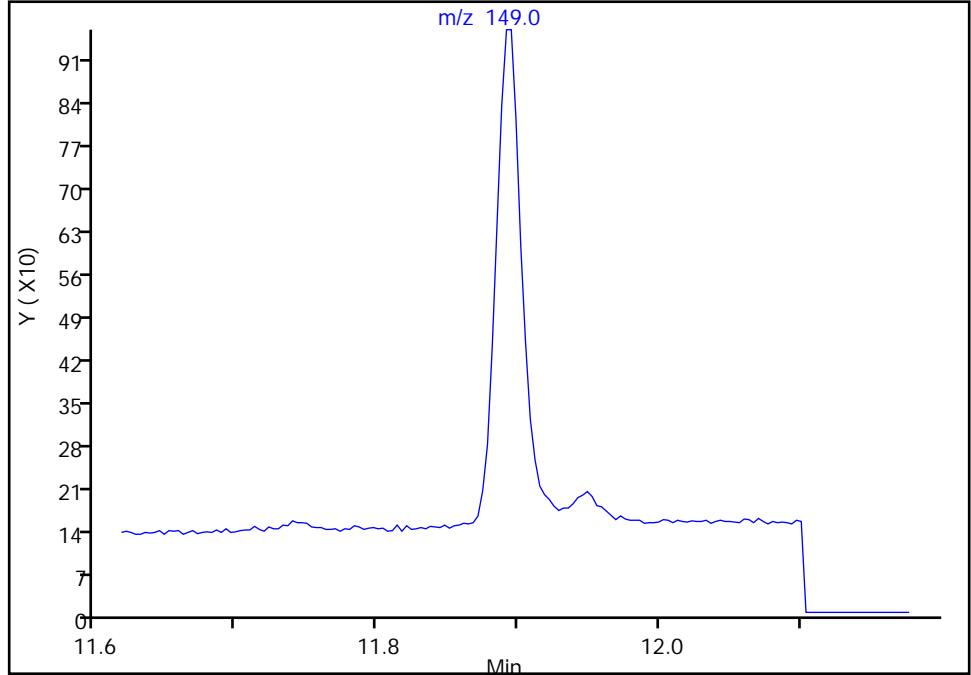
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

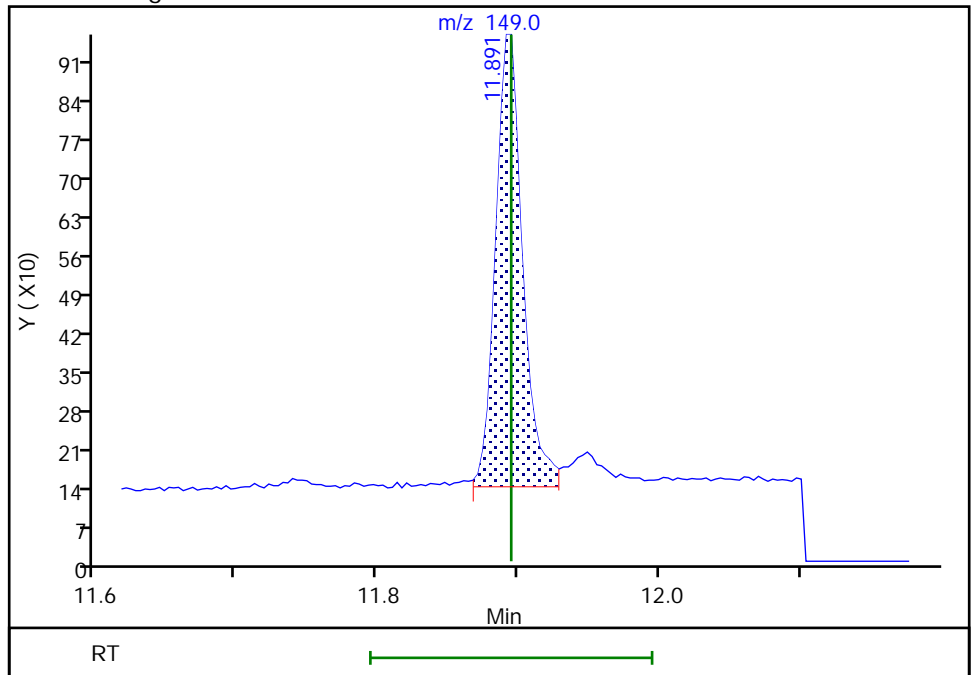
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 1083
Amount: 4.520571
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:44
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

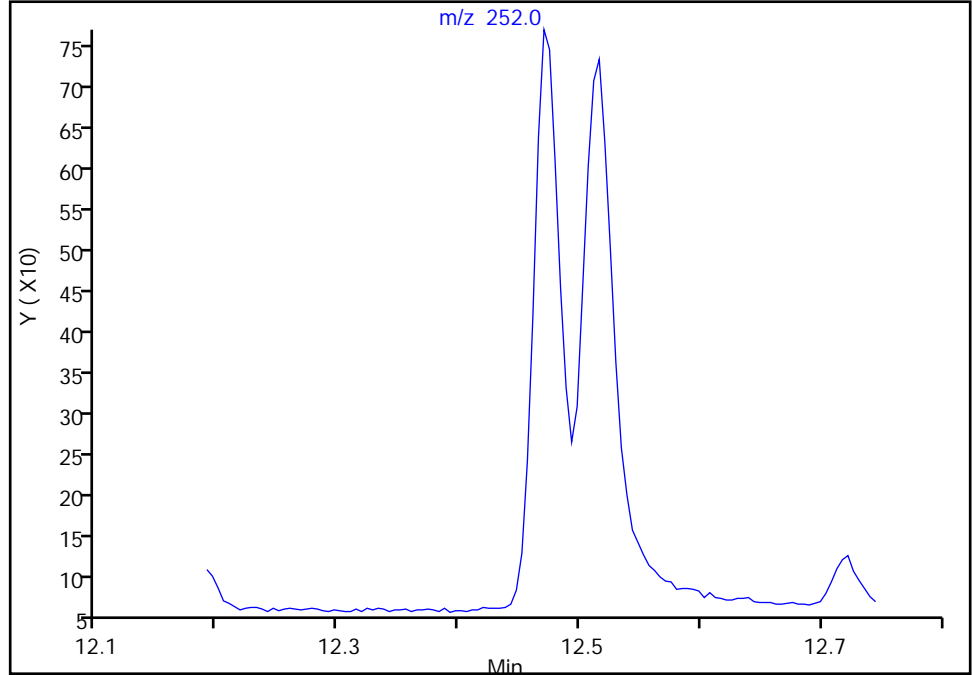
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

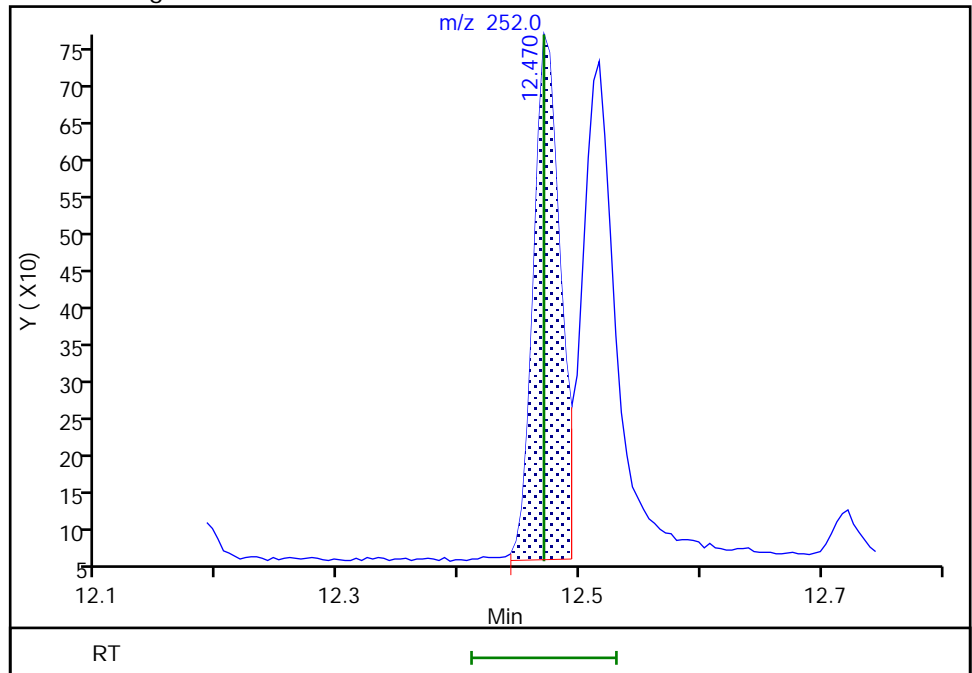
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 1076
Amount: 5.050499
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:51
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

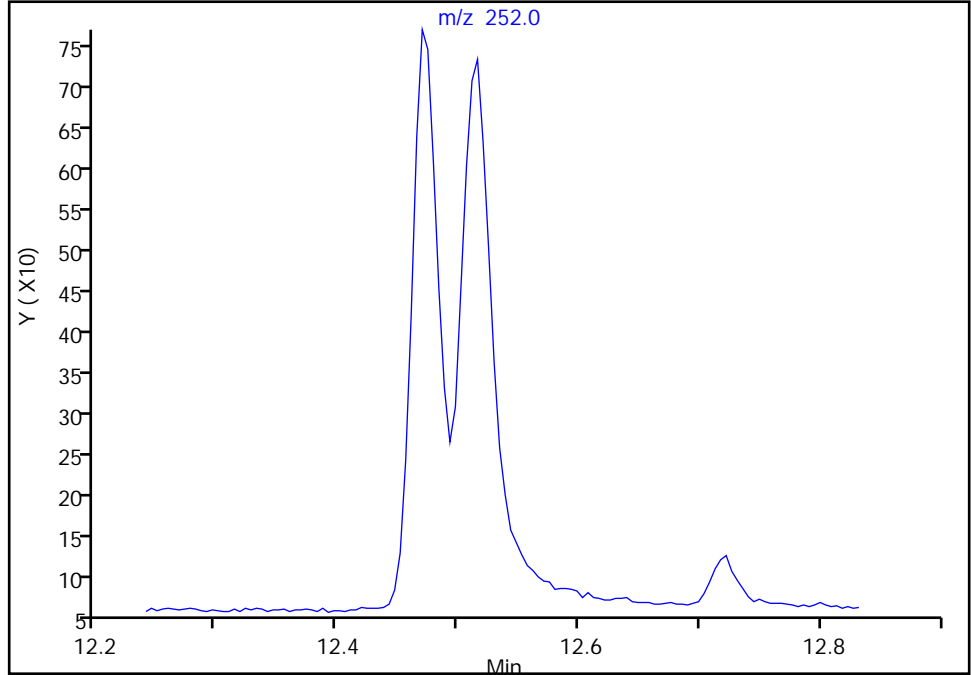
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
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Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

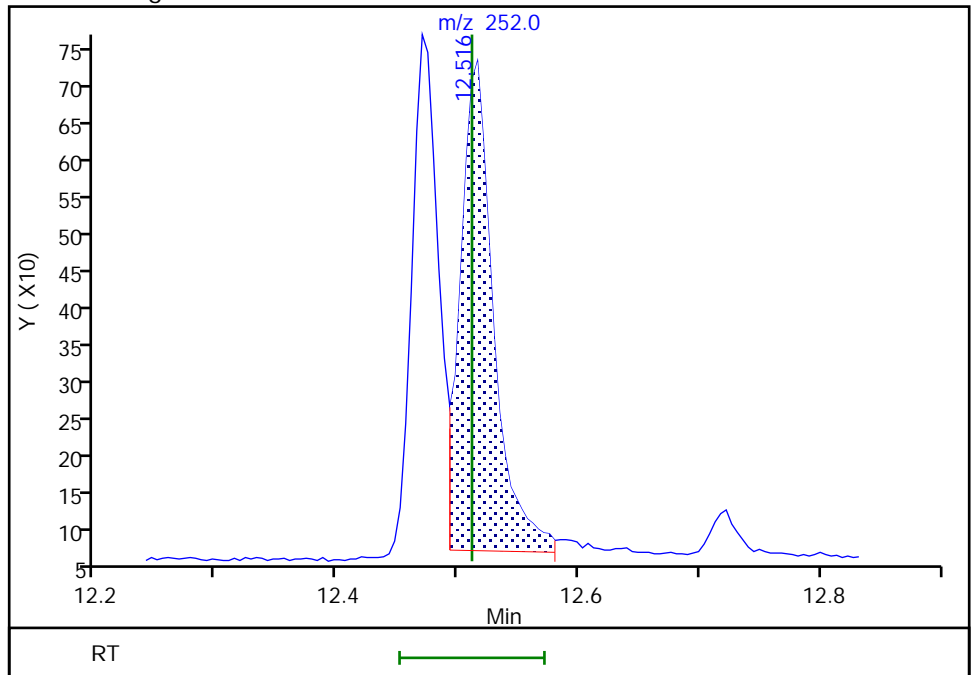
Not Detected
Expected RT: 12.51

Processing Integration Results



Manual Integration Results

RT: 12.52
Area: 1238
Amount: 5.232427
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:57
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

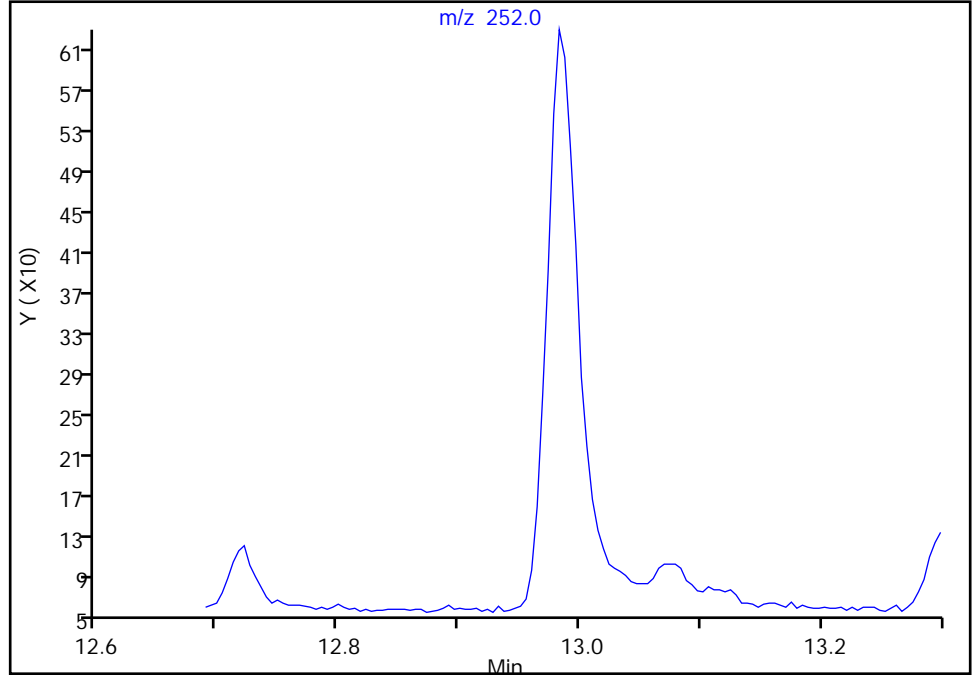
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

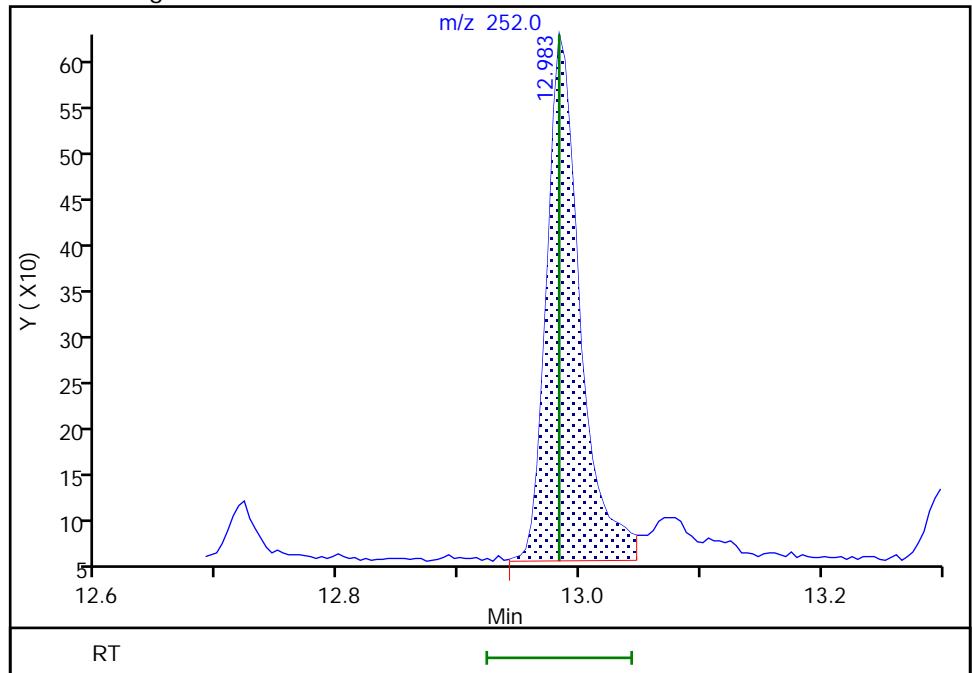
Not Detected
Expected RT: 12.98

Processing Integration Results



Manual Integration Results

RT: 12.98
Area: 1088
Amount: 5.127355
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:27:08
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

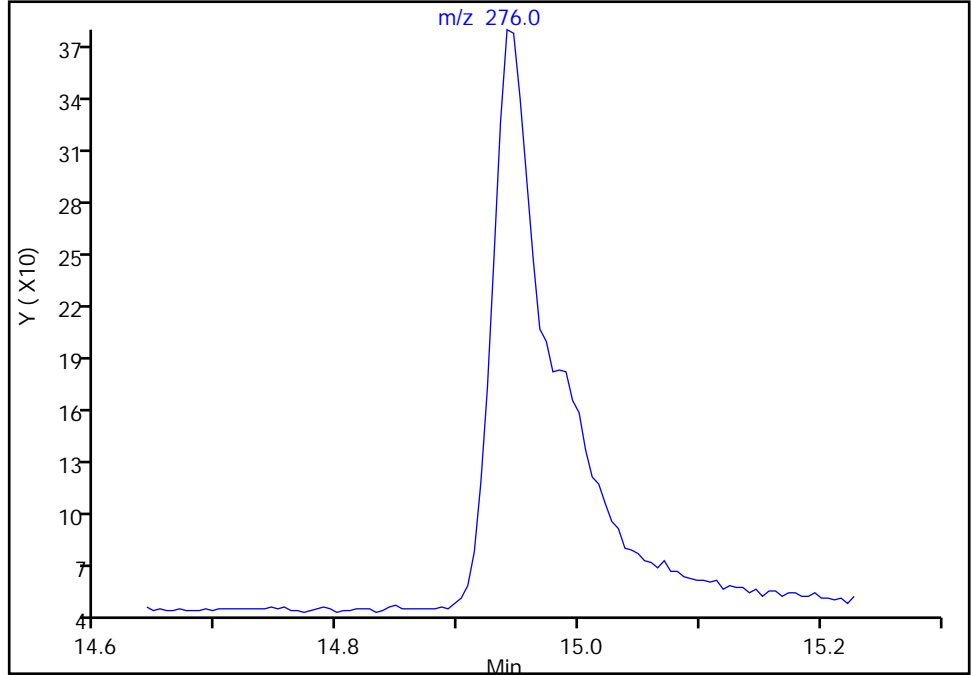
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

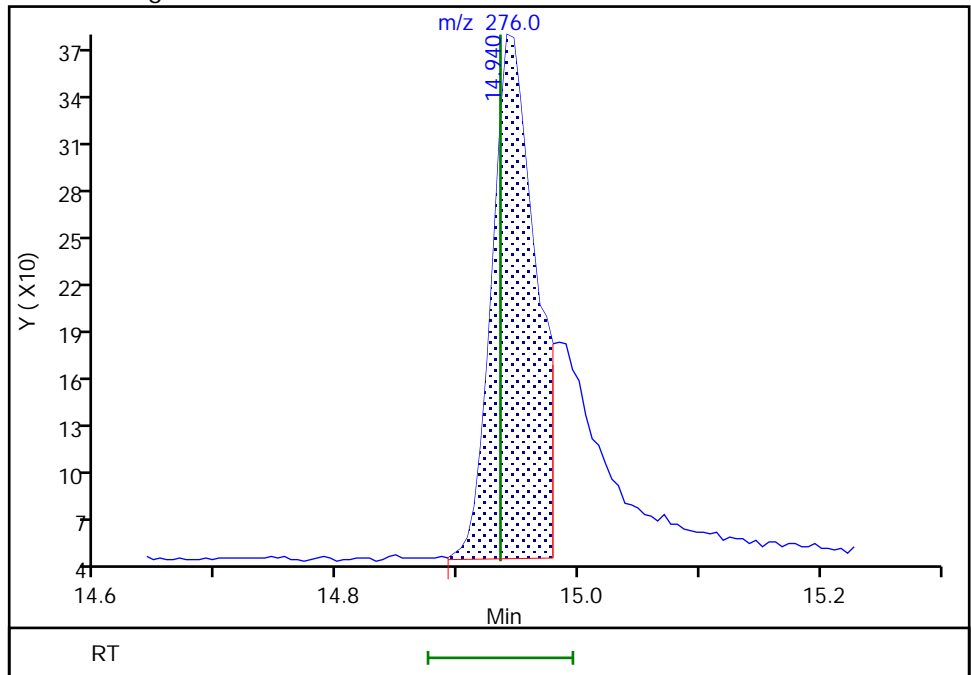
Not Detected
Expected RT: 14.93

Processing Integration Results



Manual Integration Results

RT: 14.94
Area: 804
Amount: 5.456935
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:27:14
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

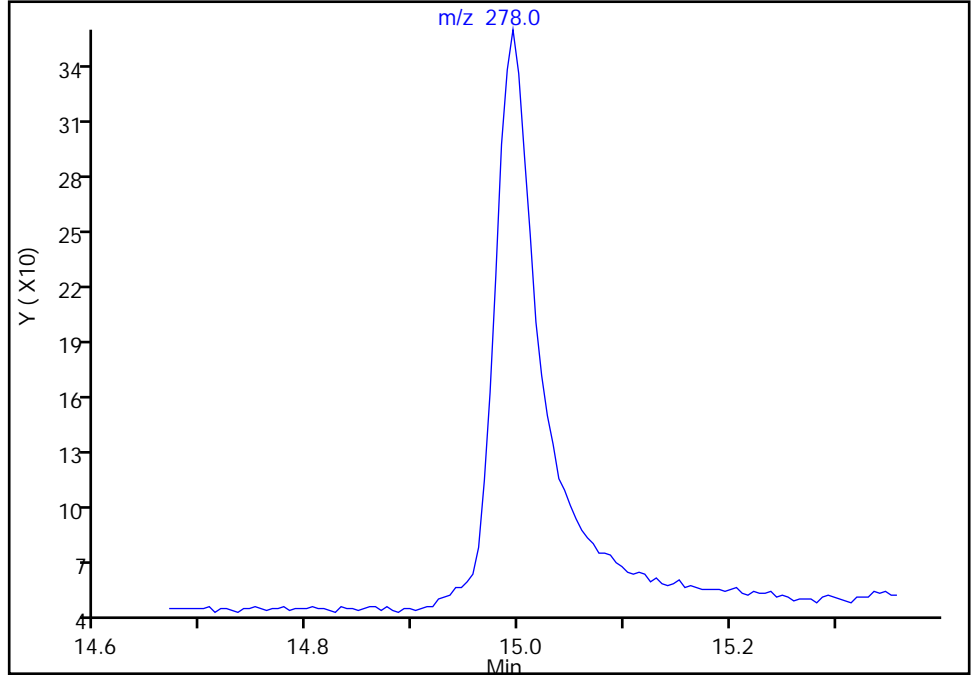
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

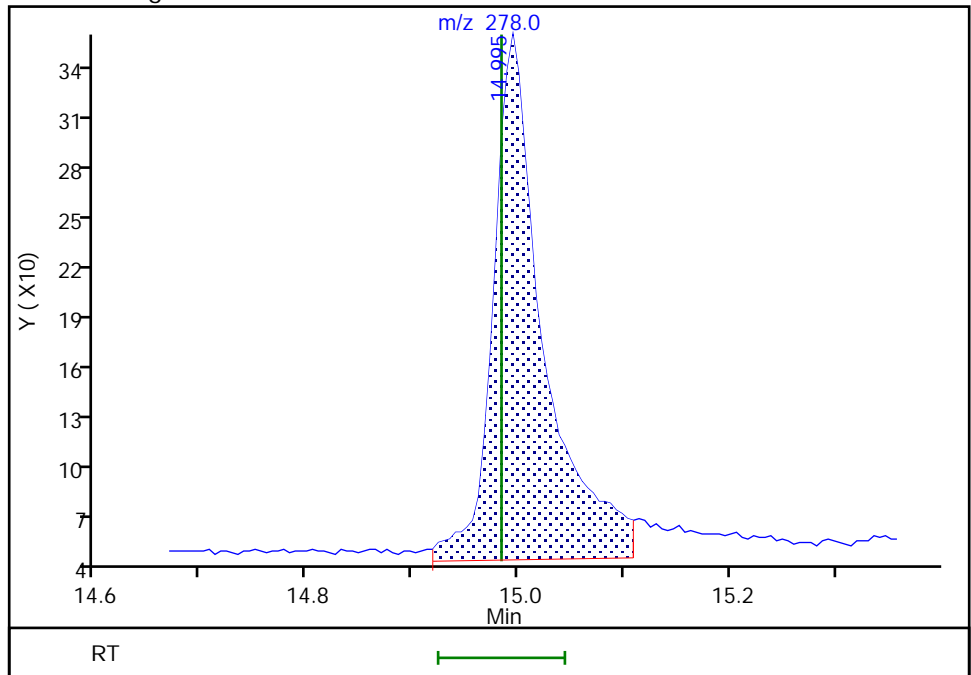
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 14.99
Area: 1020
Amount: 5.164623
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:27:18
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

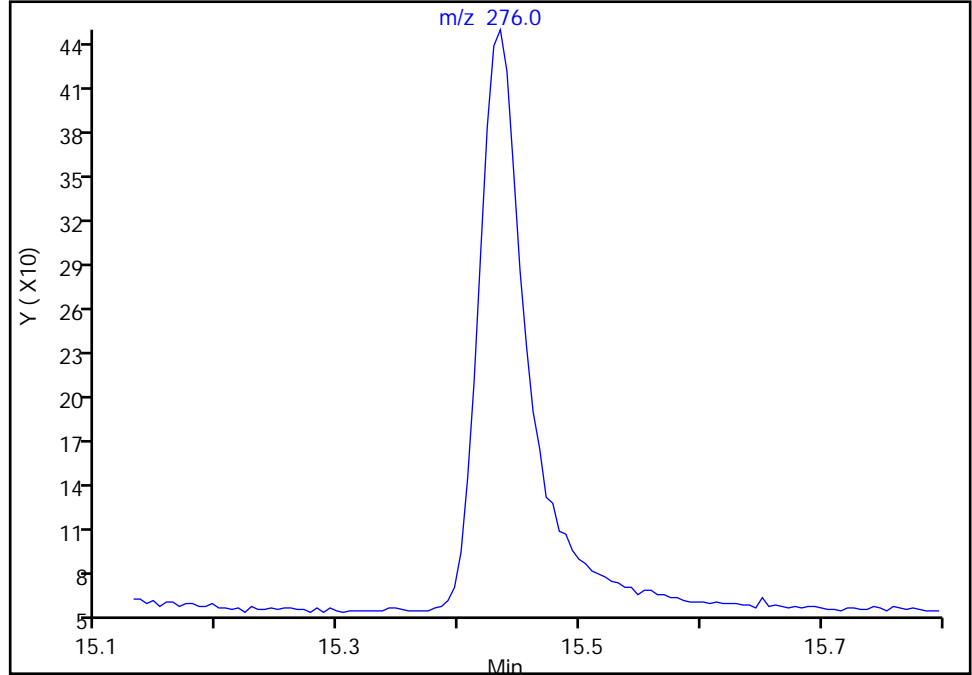
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

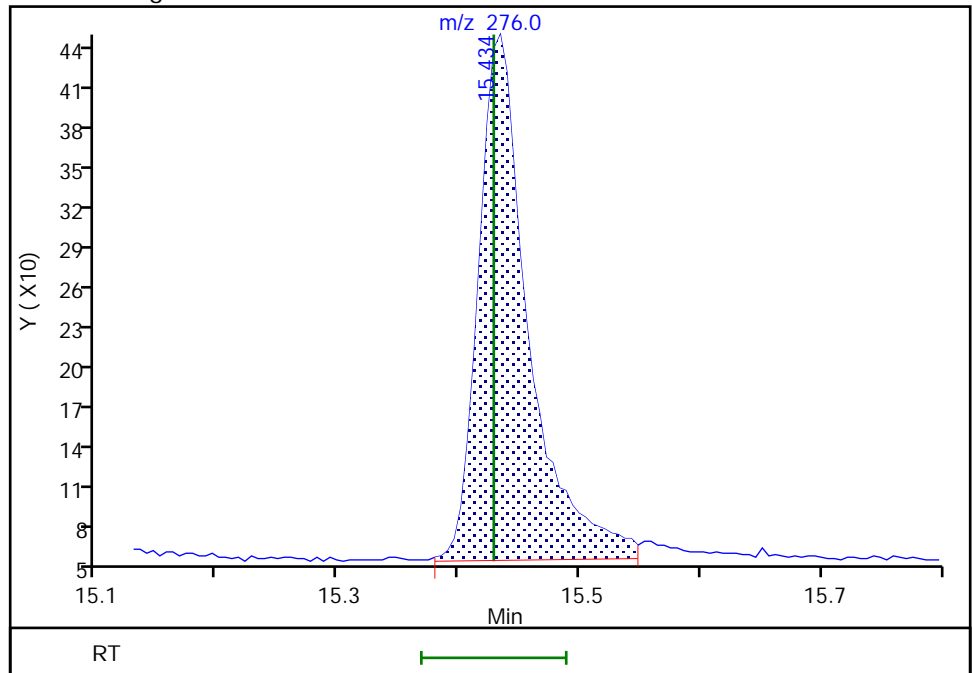
Not Detected
Expected RT: 15.43

Processing Integration Results



Manual Integration Results

RT: 15.43
Area: 1138
Amount: 5.220920
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:27:31
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 14-Jan-2022 04:45:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 2
 Operator ID: jcm Instrument ID: TAC050
 Sublist: chrom-TAC050_SIM_PAH*sub9
 Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 14-Jan-2022 15:42:22 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:26:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	21468	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	69	9515	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	14508	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	49	10882	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.074	0.005	69	13082	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.814	5.809	0.005	67	283	2.00	2.23	M
\$ 10 2-Fluorobiphenyl	172	6.193	6.190	0.003	0	336	2.00	2.21	M
\$ 7 2,4,6-Tribromophenol	330	7.641	7.628	0.013	49	57	2.00	7.64	M
\$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.502	0.004	68	476	2.00	2.00	M
\$ 9 Terphenyl-d14	244	9.900	9.896	0.004	94	359	2.00	3.09	M
11 Naphthalene	128	5.189	5.189	0.000	99	508	2.00	2.24	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	99	282	2.00	2.19	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	98	274	2.00	2.20	M
14 Acenaphthylene	152	6.717	6.717	0.000	100	422	2.00	2.10	M
15 Acenaphthene	153	6.884	6.884	0.000	90	283	2.00	2.24	M
16 Fluorene	166	7.394	7.389	0.005	95	316	2.00	2.25	M
18 Phenanthrene	178	8.342	8.342	0.000	100	566	2.00	1.97	M
19 Anthracene	178	8.393	8.389	0.004	99	553	2.00	2.09	M
20 Fluoranthene	202	9.526	9.522	0.004	52	571	2.00	1.99	M
21 Pyrene	202	9.750	9.746	0.004	51	611	2.00	1.98	M
22 Benzo[a]anthracene	228	11.017	11.012	0.005	26	524	2.00	2.04	M
23 Chrysene	228	11.058	11.057	0.001	99	561	2.00	1.96	M
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.895	0.000	0	509	2.00	2.07	M
24 Benzo[b]fluoranthene	252	12.475	12.470	0.005	97	491	2.00	2.06	M
25 Benzo[k]fluoranthene	252	12.516	12.511	0.005	95	540	2.00	2.04	M
26 Benzo[a]pyrene	252	12.987	12.983	0.004	97	494	2.00	2.09	M
27 Indeno[1,2,3-cd]pyrene	276	14.946	14.935	0.011	94	365	2.00	2.77	M
28 Dibenz(a,h)anthracene	278	15.000	14.984	0.016	95	429	2.00	2.01	M
29 Benzo[g,h,i]perylene	276	15.440	15.429	0.011	94	497	2.00	2.07	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

8270SIM_IS_00069

Amount Added: 9.60

Units: uL

8270ccvl_50_00039

Amount Added: 40.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D

Injection Date: 14-Jan-2022 04:45:30

Instrument ID: TAC050

Lims ID: std2

Client ID:

Operator ID: jcm

ALS Bottle#: 15

Worklist Smp#: 15

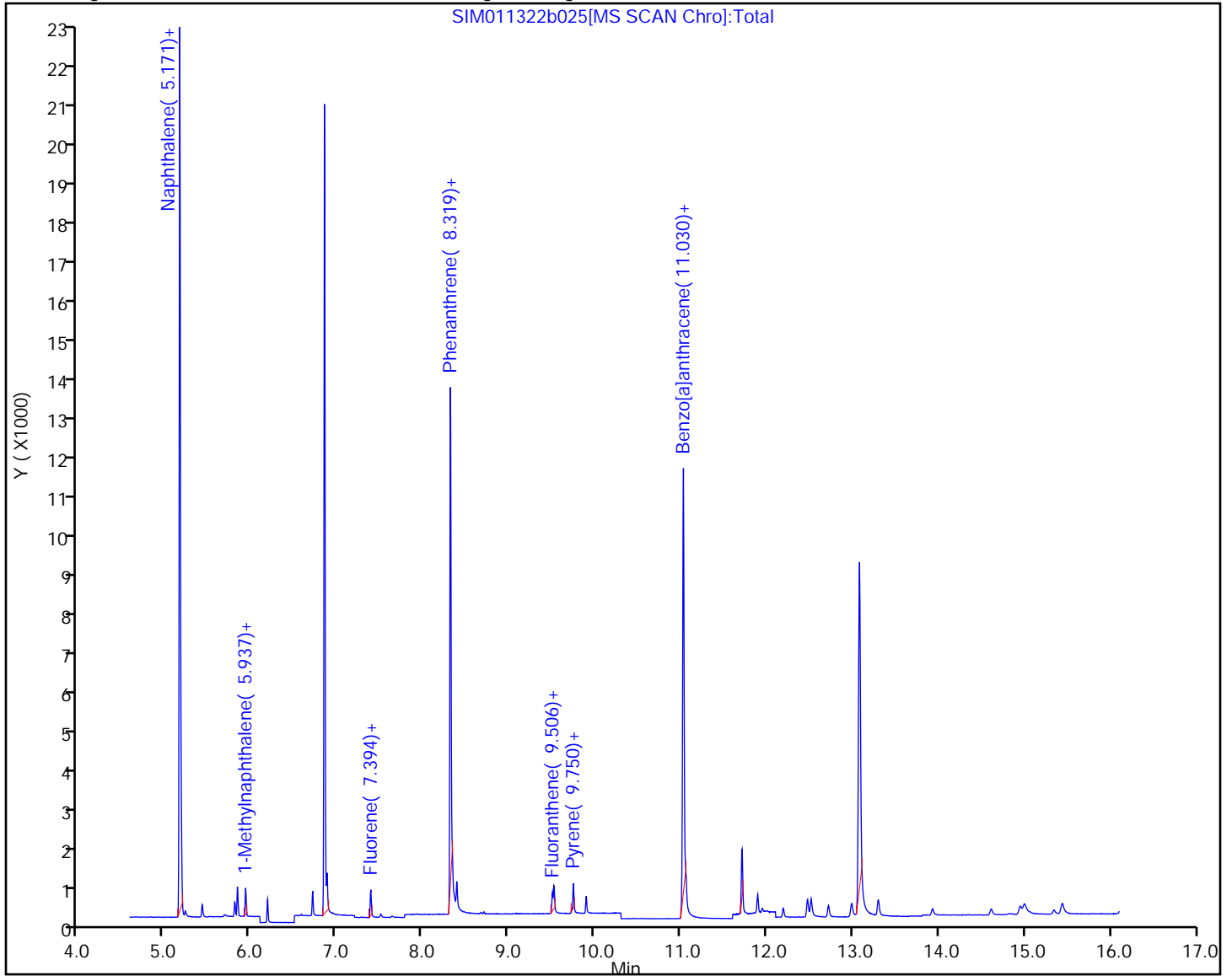
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

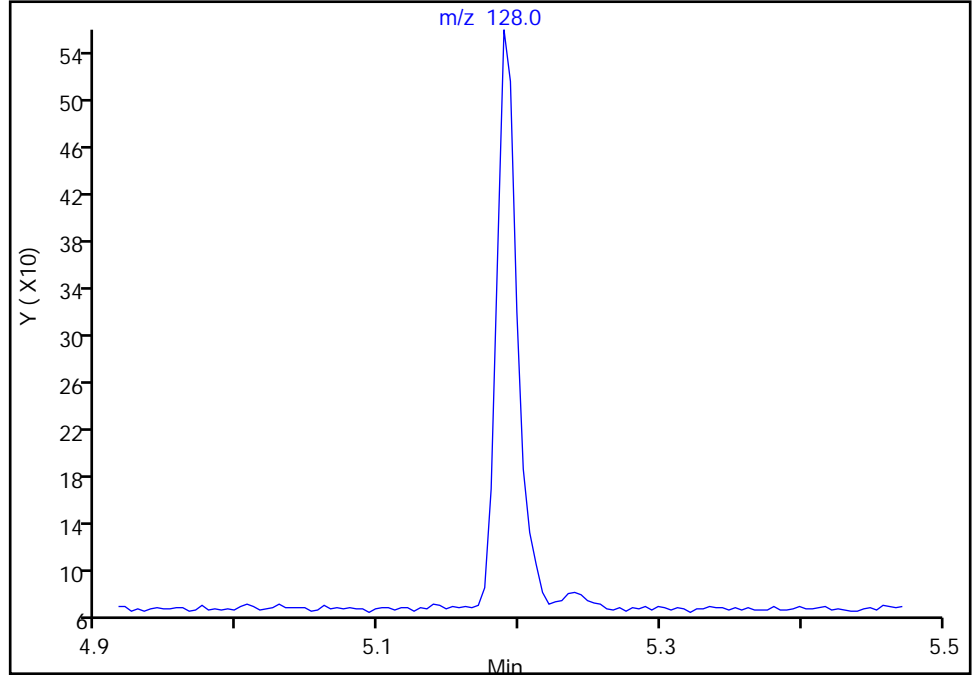
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

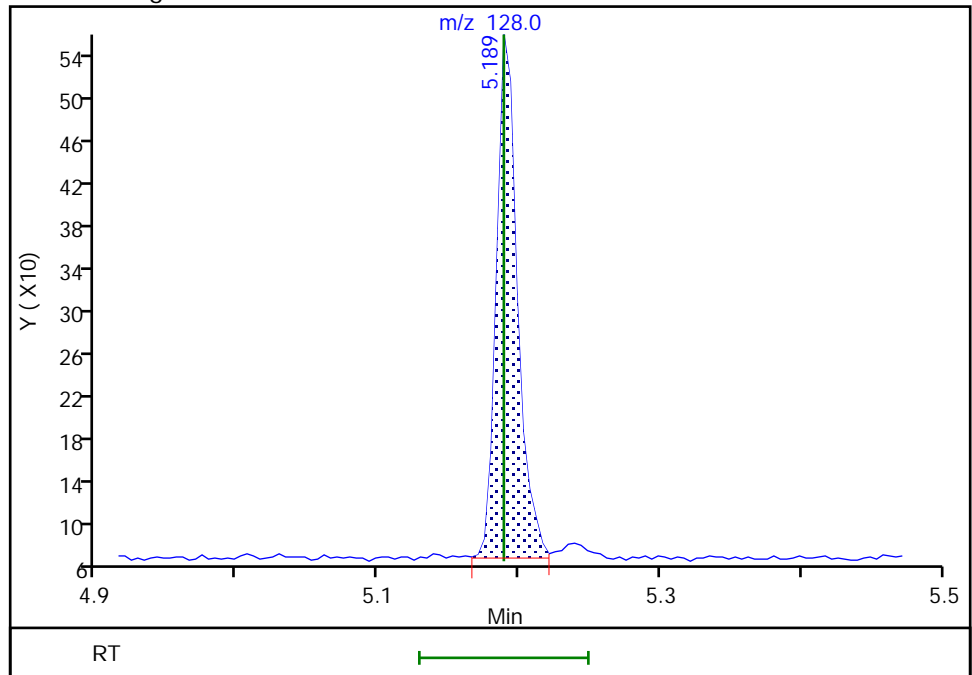
Not Detected
Expected RT: 5.19

Processing Integration Results



RT: 5.19
Area: 508
Amount: 2.237327
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:29:32
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

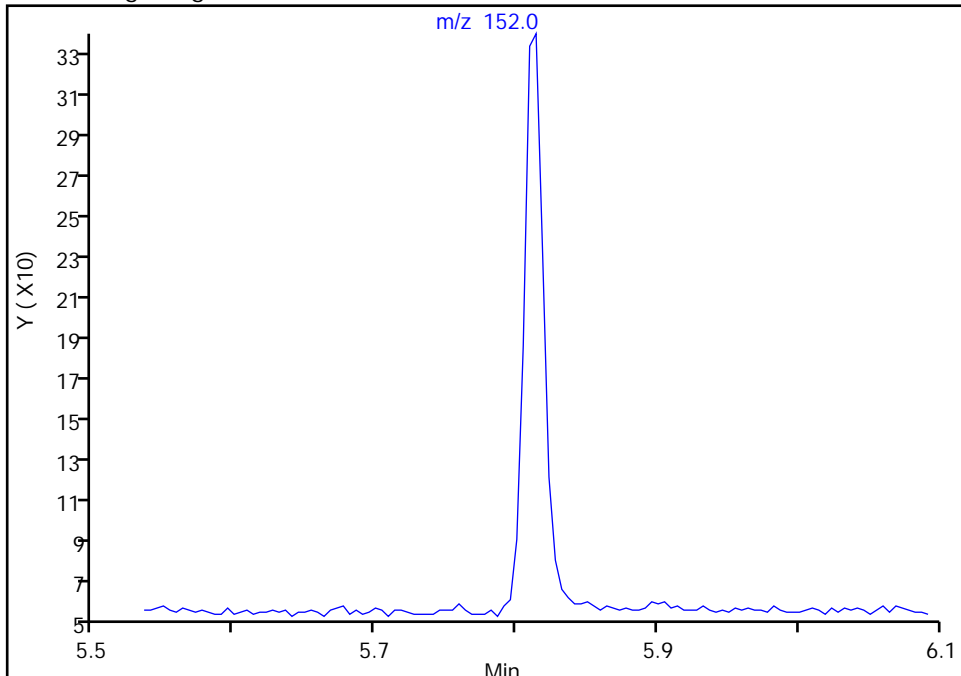
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 6 2-methylnaphthalene-d10, CAS: 7297-45-2

Signal: 1

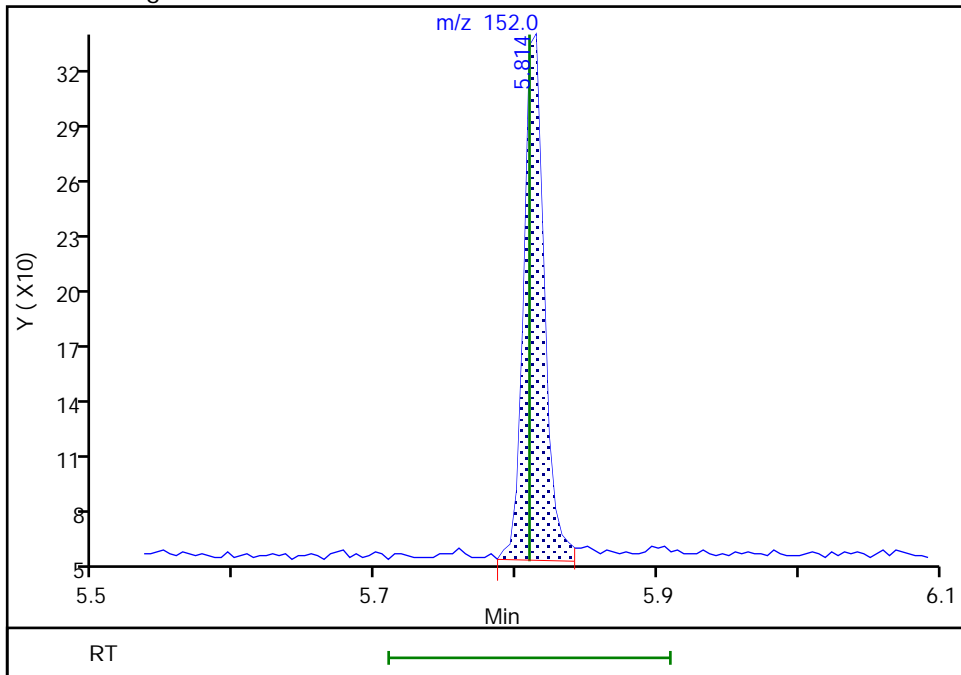
Not Detected
Expected RT: 5.81

Processing Integration Results



RT: 5.81
Area: 283
Amount: 2.228279
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:28:52
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

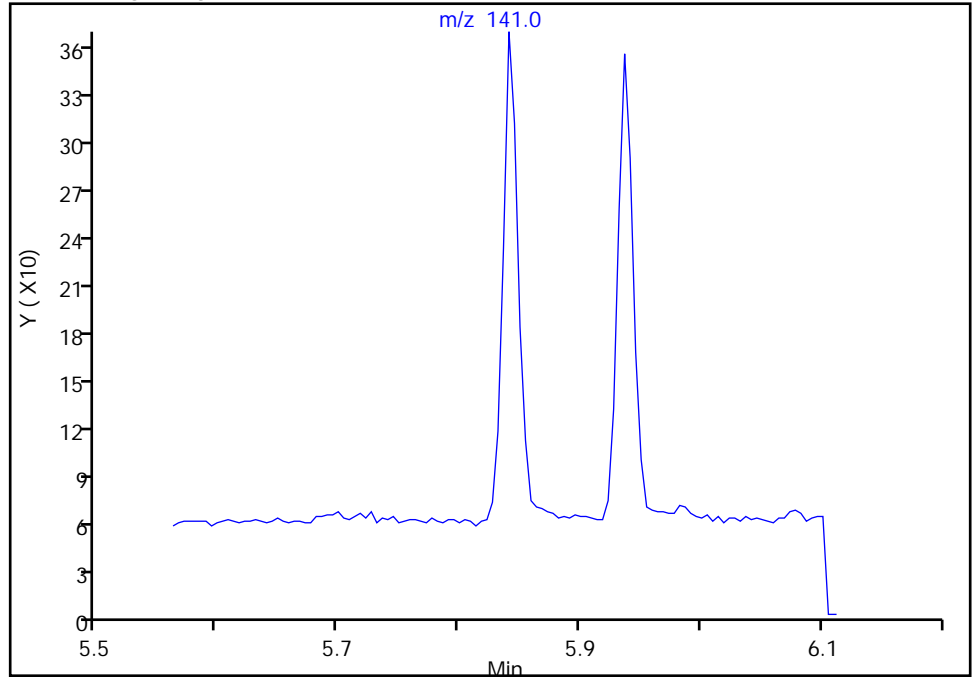
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

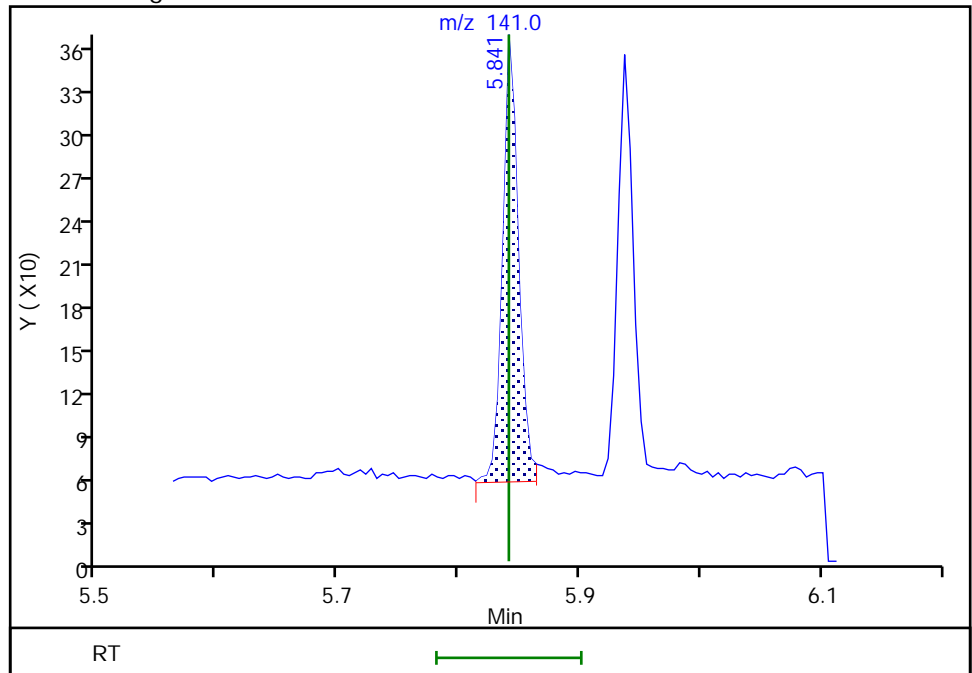
Not Detected
Expected RT: 5.84

Processing Integration Results



RT: 5.84
Area: 282
Amount: 2.189937
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:30:38
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

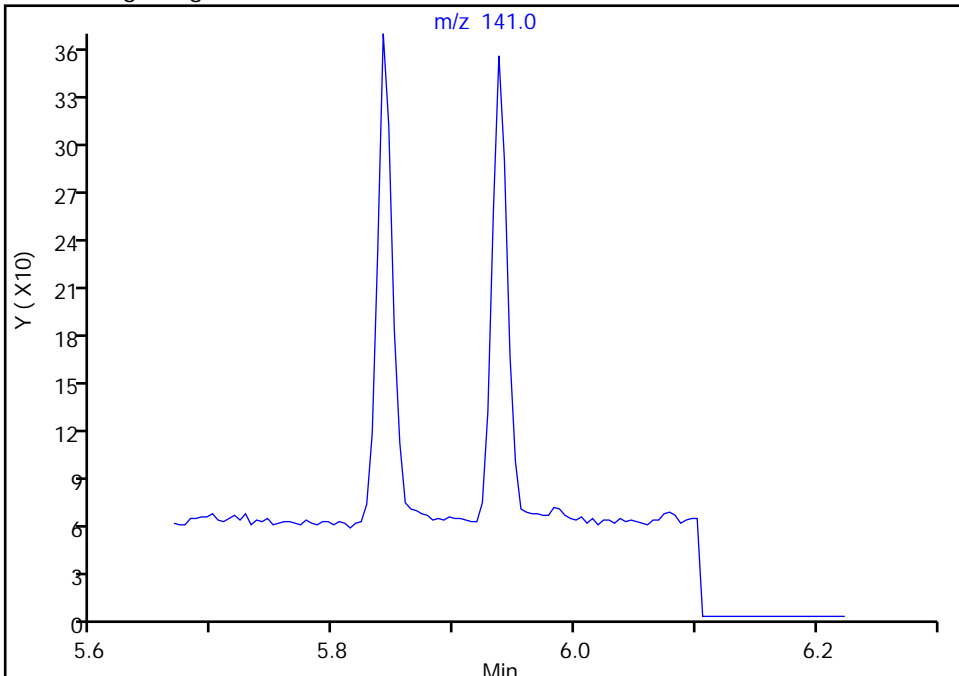
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

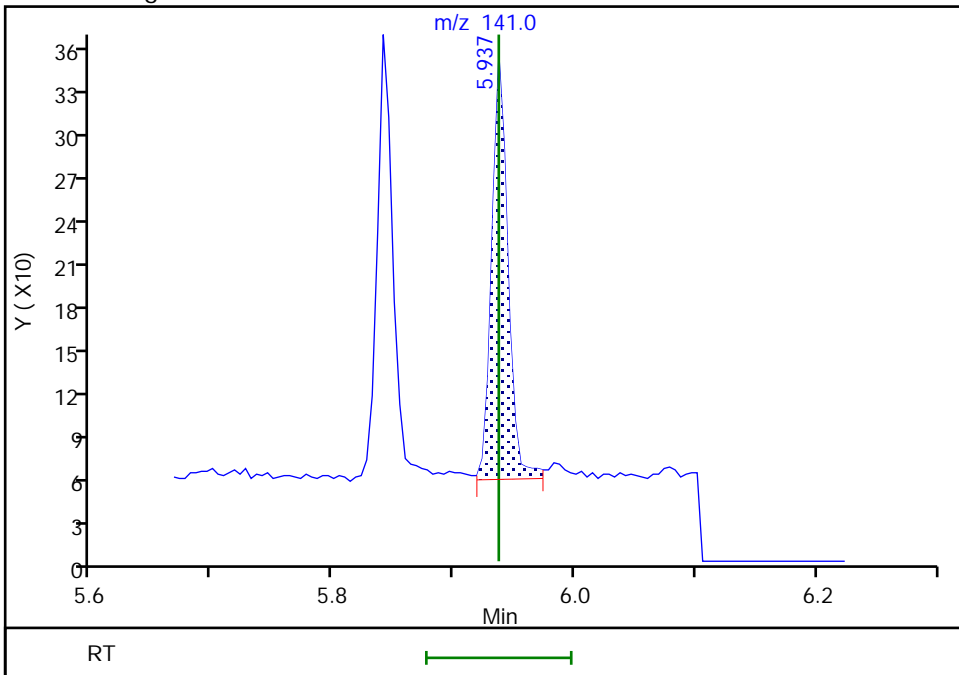
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 274
Amount: 2.196760
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:30:42
Audit Action: Manually Integrated

Audit Reason: Assign Peak

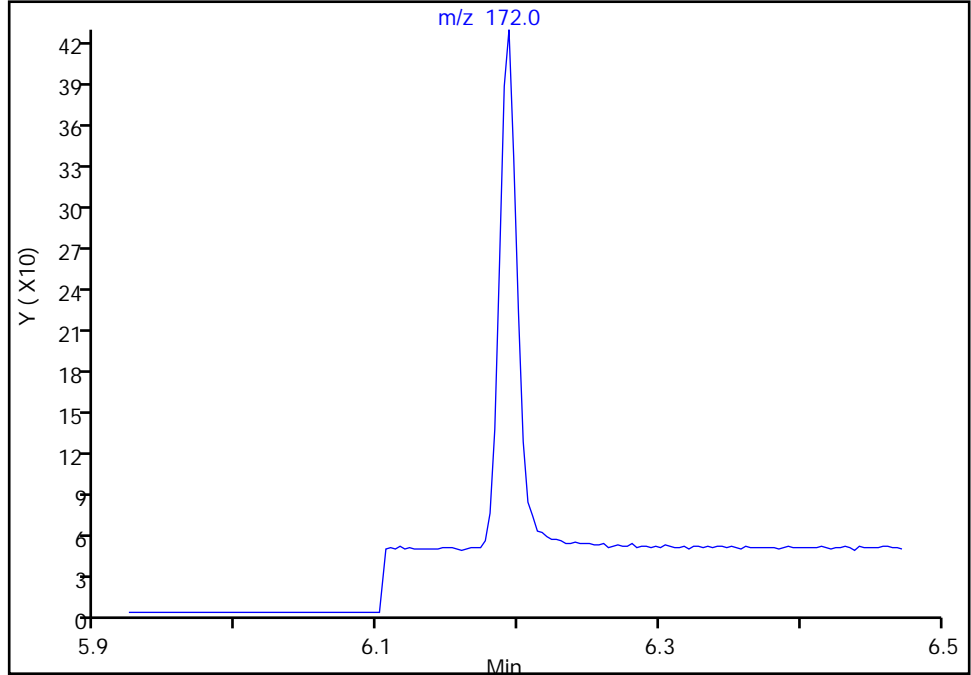
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8
Signal: 1

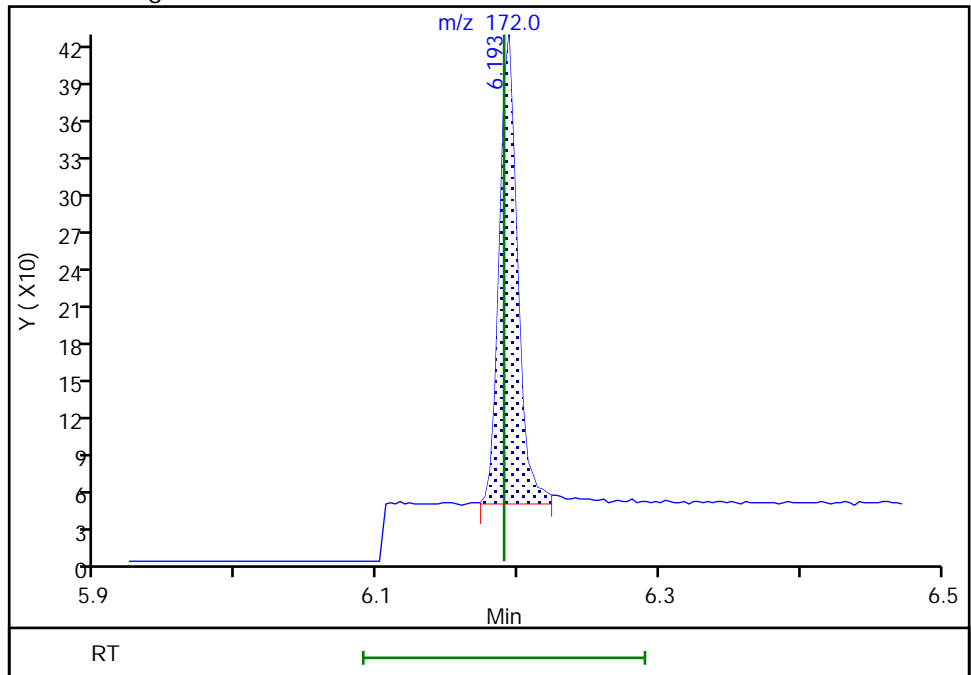
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 336
Amount: 2.206796
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:29:01
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

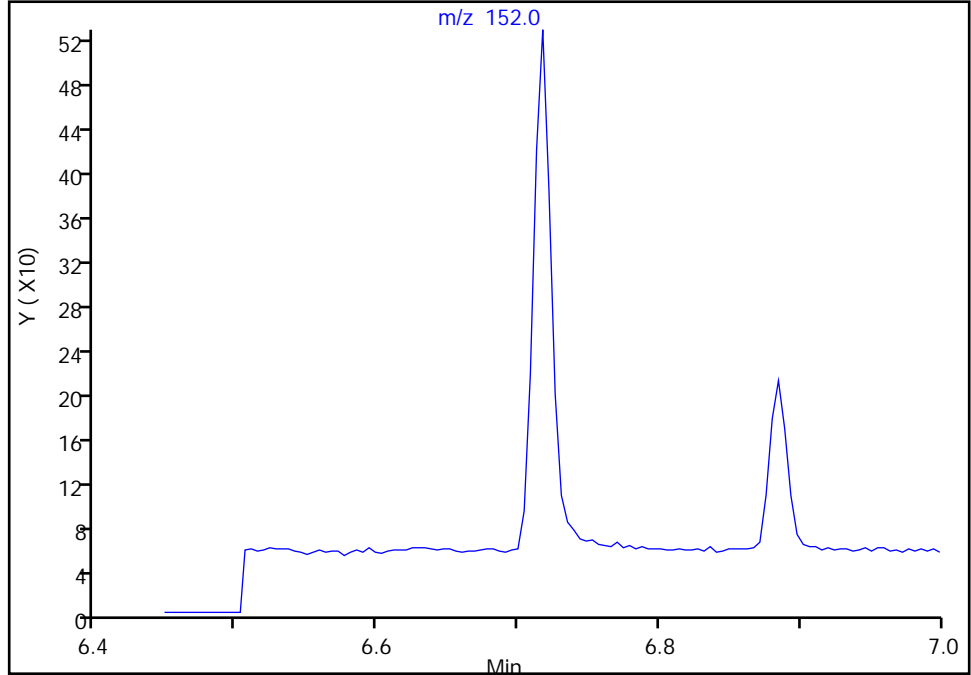
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

14 Acenaphthylene, CAS: 208-96-8

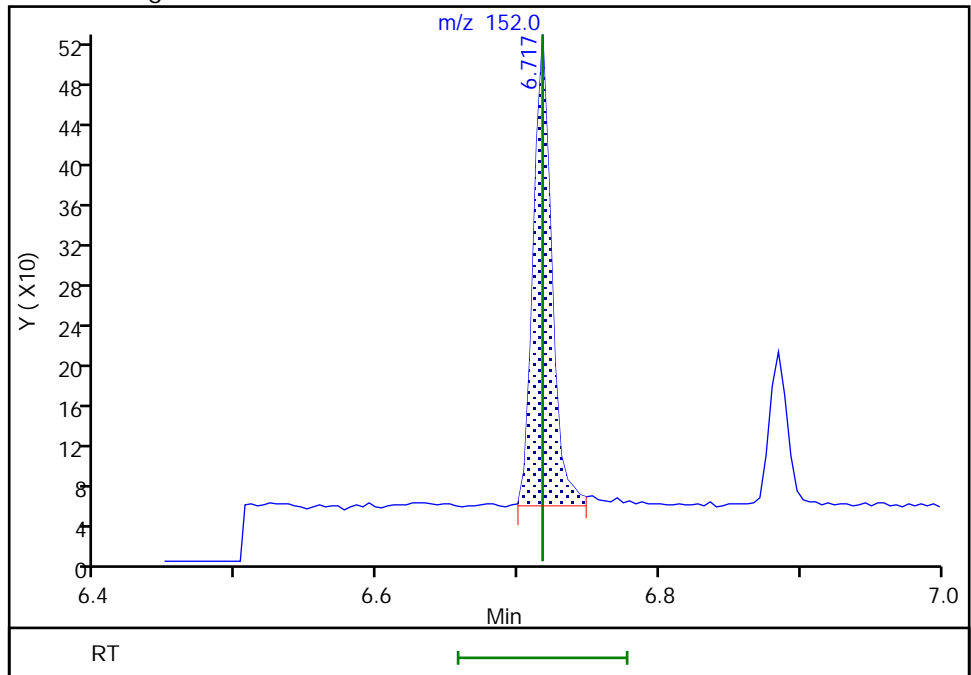
Signal: 1

Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results



RT: 6.72
Area: 422
Amount: 2.097831
Amount Units: ug/L

Reviewer: boylea, 14-Jan-2022 14:30:47
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

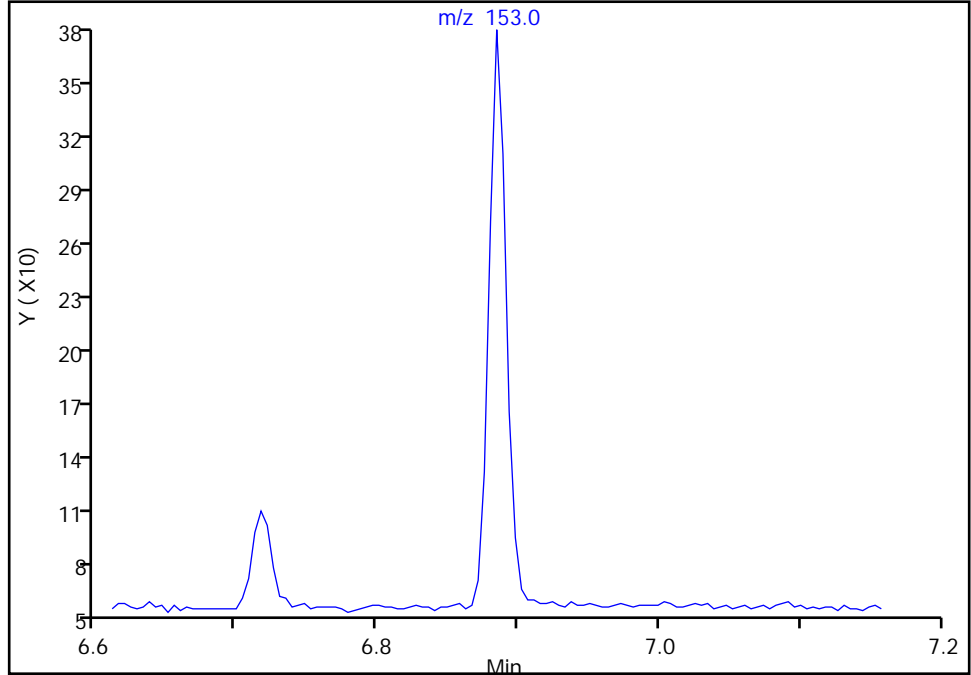
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

15 Acenaphthene, CAS: 83-32-9

Signal: 1

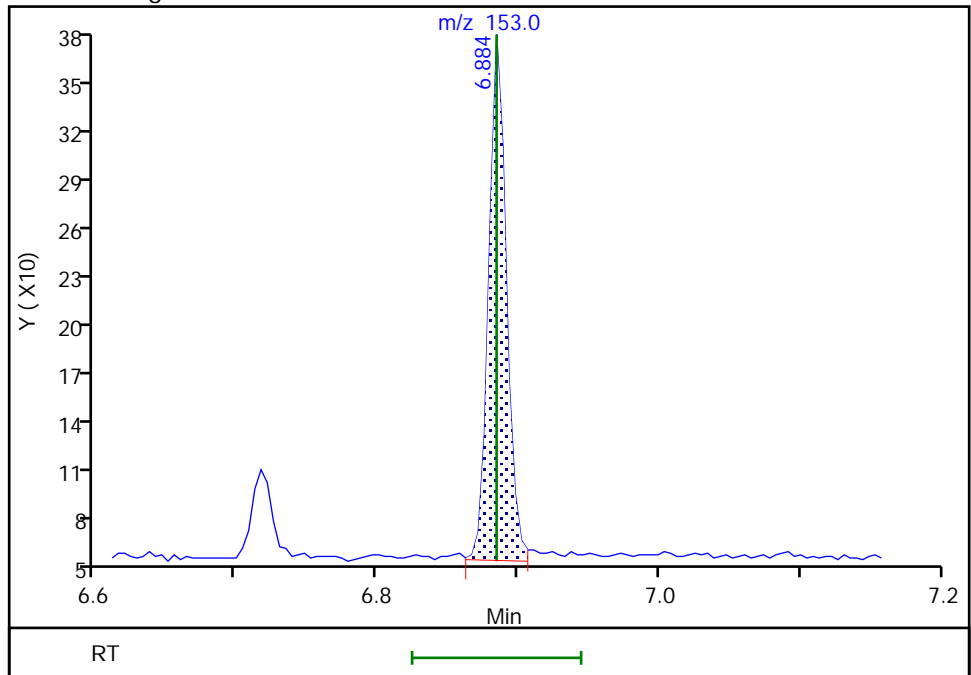
Not Detected
Expected RT: 6.88

Processing Integration Results



Manual Integration Results

RT: 6.88
Area: 283
Amount: 2.241789
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:30:51
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

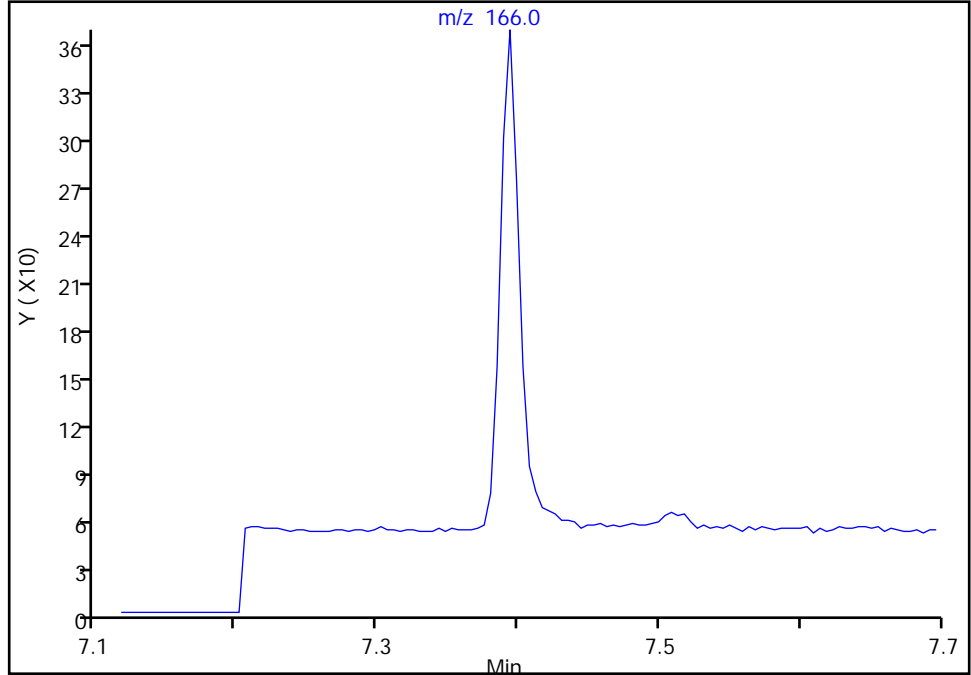
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Fluorene, CAS: 86-73-7

Signal: 1

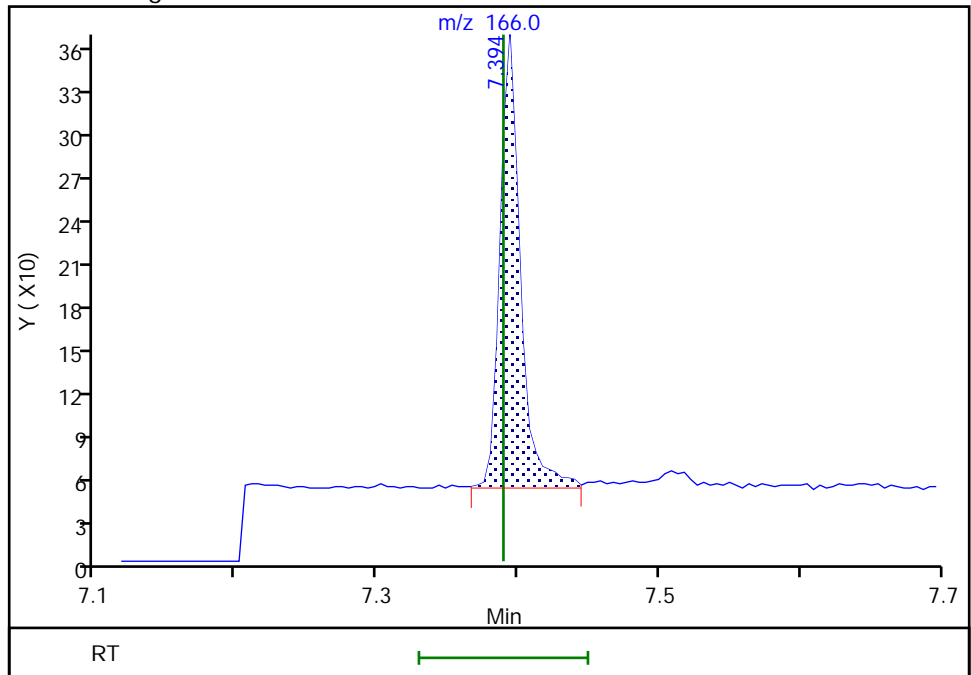
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 316
Amount: 2.245311
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:31:00
Audit Action: Manually Integrated

Audit Reason: Assign Peak

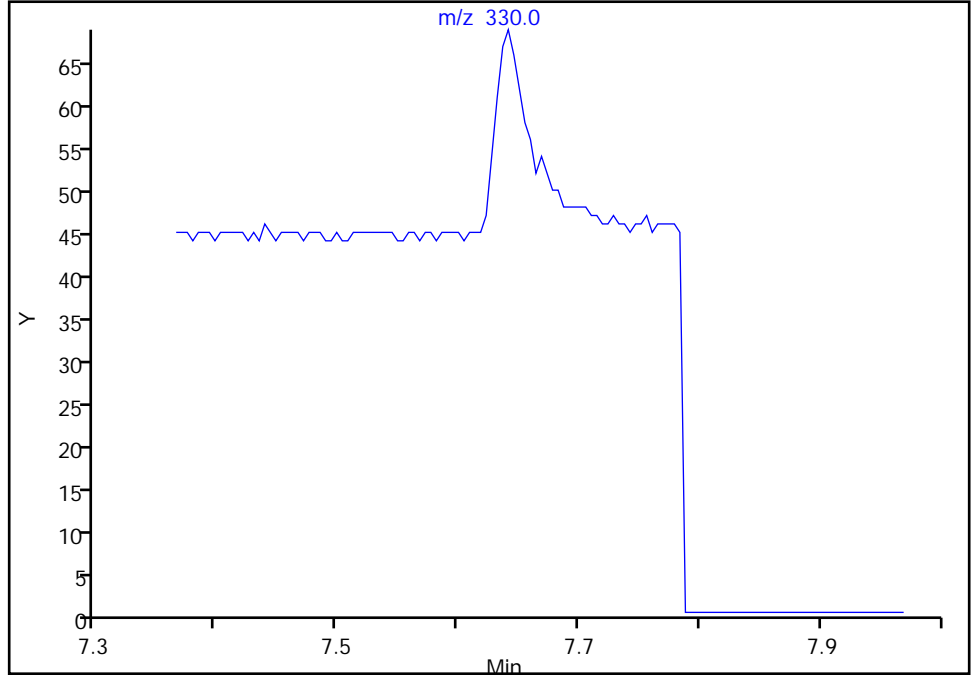
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 7 2,4,6-Tribromophenol, CAS: 118-79-6
Signal: 1

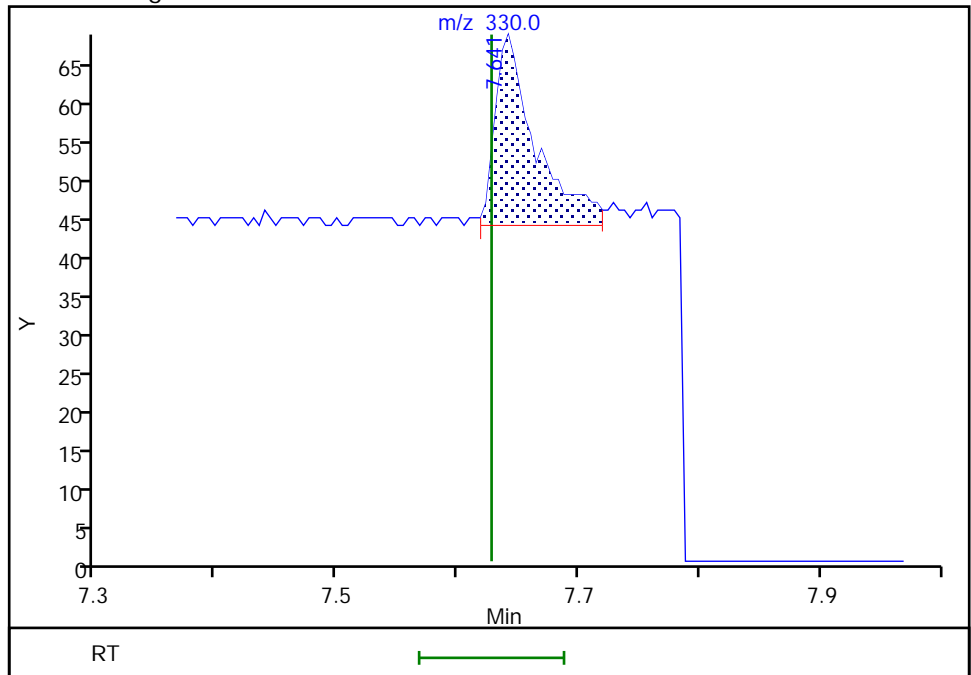
Not Detected
Expected RT: 7.63

Processing Integration Results



Manual Integration Results

RT: 7.64
Area: 57
Amount: 7.642771
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:29:07
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

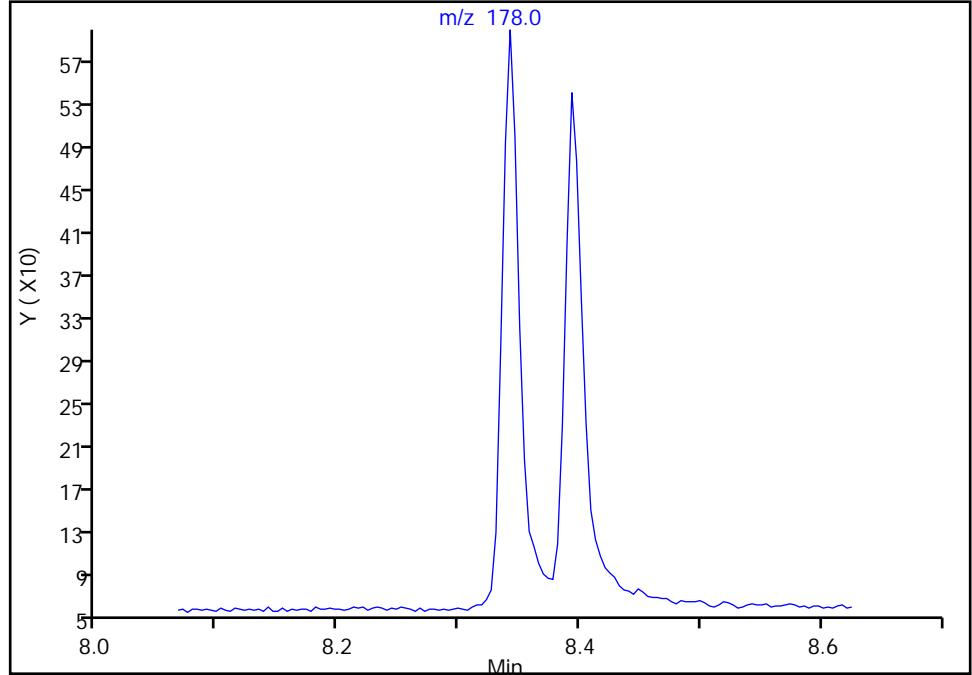
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

18 Phenanthrene, CAS: 85-01-8

Signal: 1

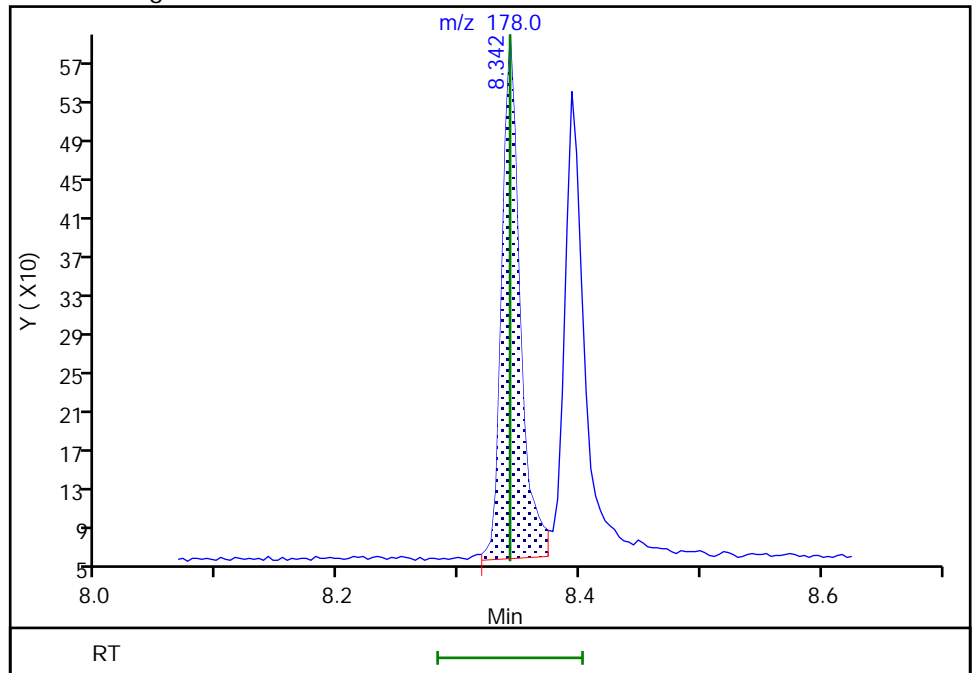
Not Detected
Expected RT: 8.34

Processing Integration Results



RT: 8.34
Area: 566
Amount: 1.967126
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:31:27
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

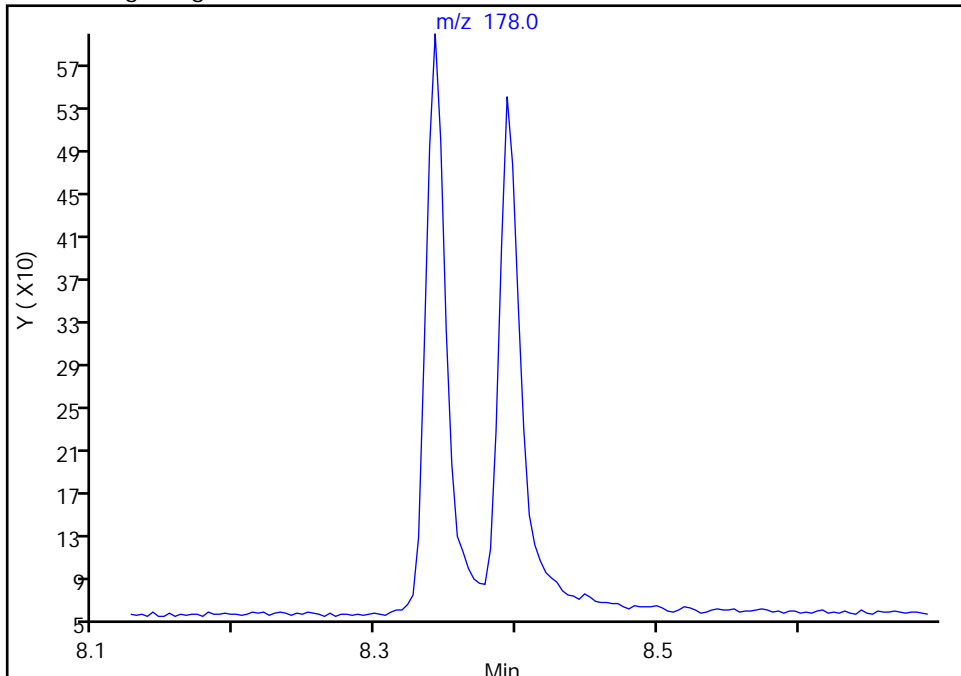
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Anthracene, CAS: 120-12-7

Signal: 1

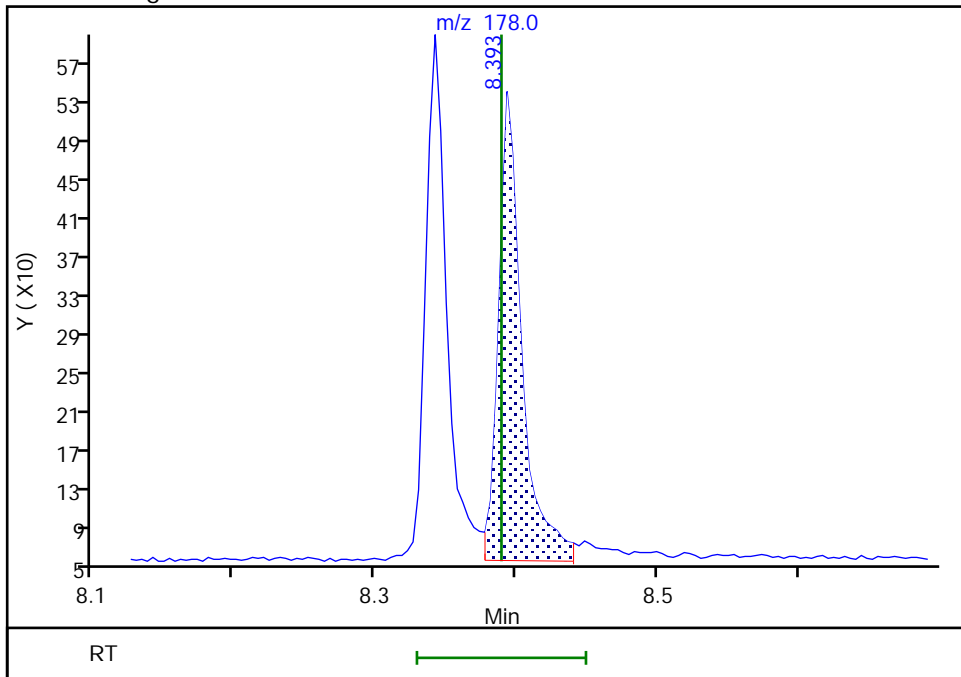
Not Detected
Expected RT: 8.39

Processing Integration Results



RT: 8.39
Area: 553
Amount: 2.094955
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:31:35
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

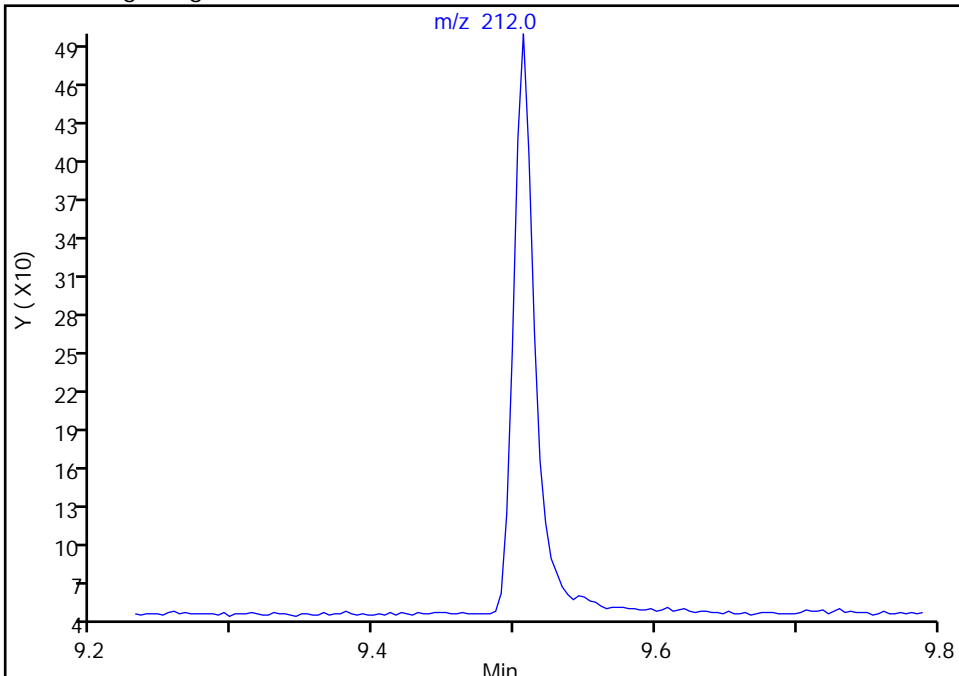
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 8 Fluoranthene-d10 (Surr), CAS: 93951-69-0

Signal: 1

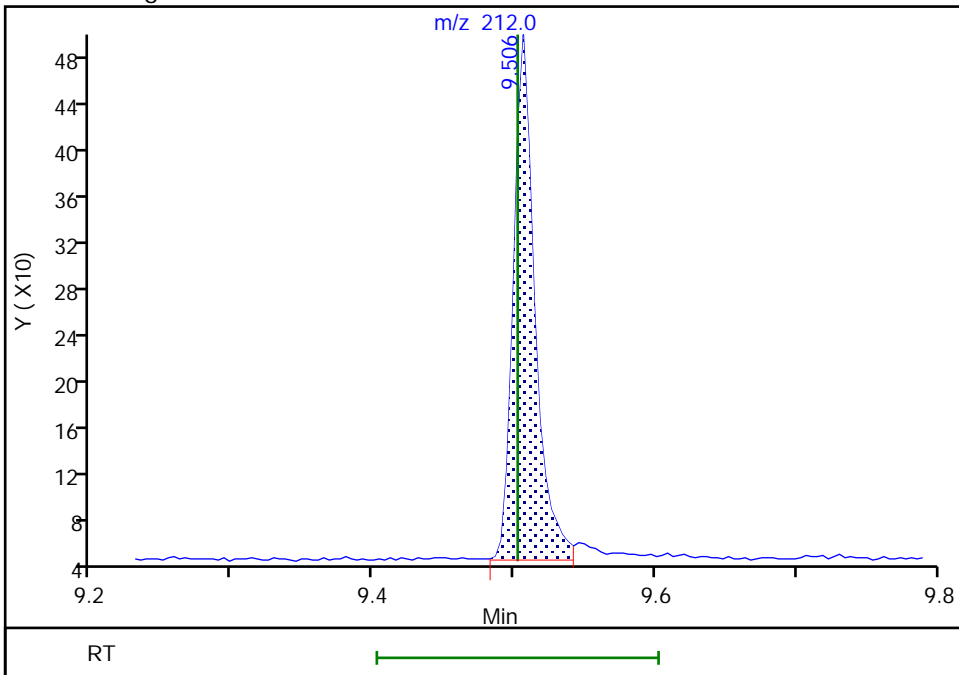
Not Detected
Expected RT: 9.50

Processing Integration Results



Manual Integration Results

RT: 9.51
Area: 476
Amount: 2.003238
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:29:12
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

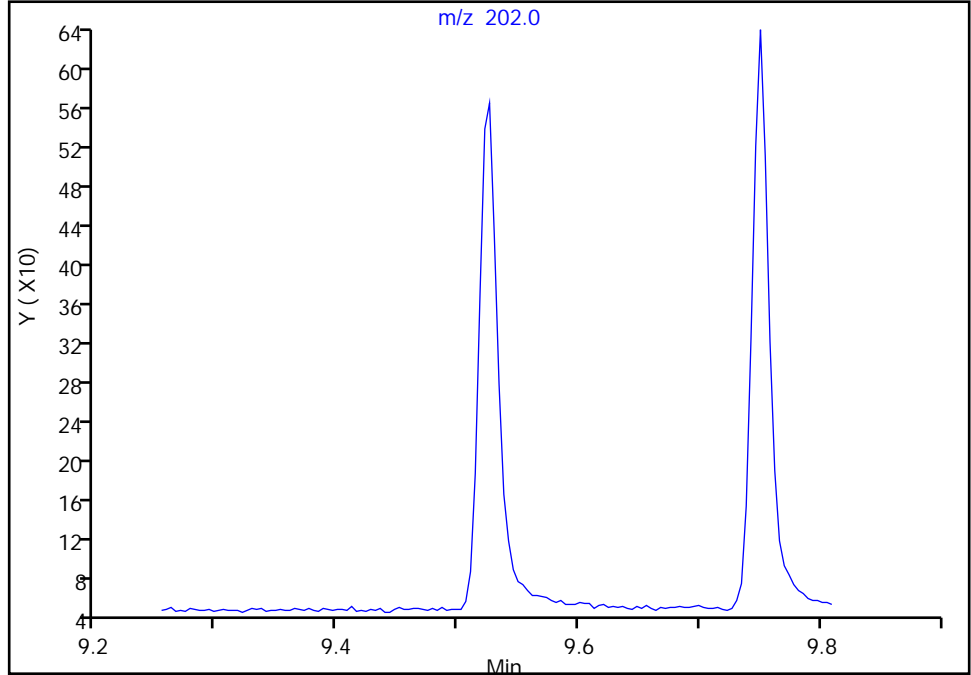
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Fluoranthene, CAS: 206-44-0

Signal: 1

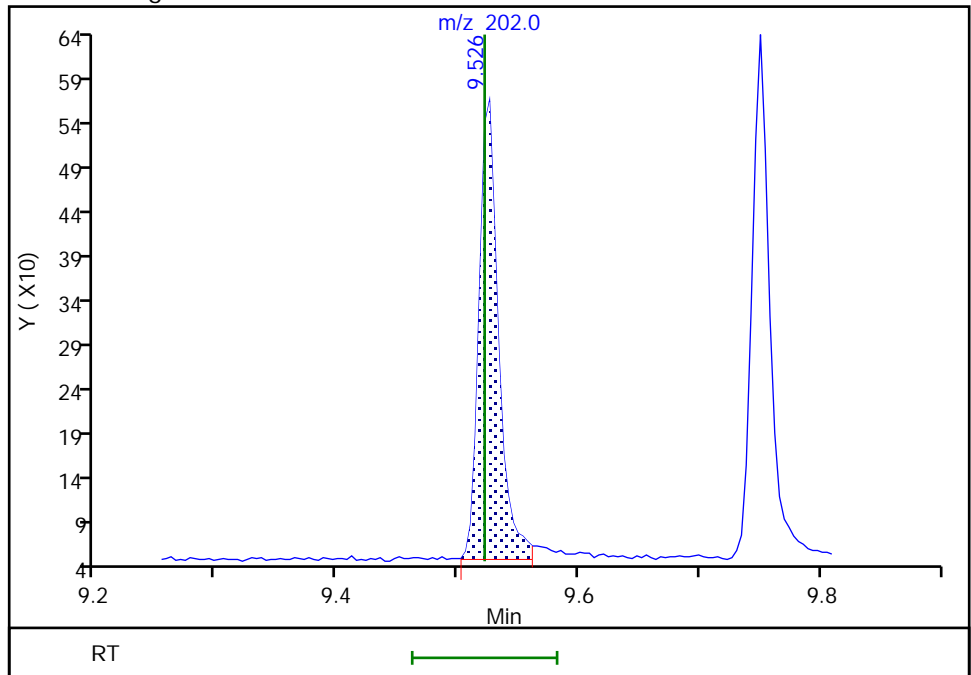
Not Detected
Expected RT: 9.52

Processing Integration Results



RT: 9.53
Area: 571
Amount: 1.994015
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:31:48
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

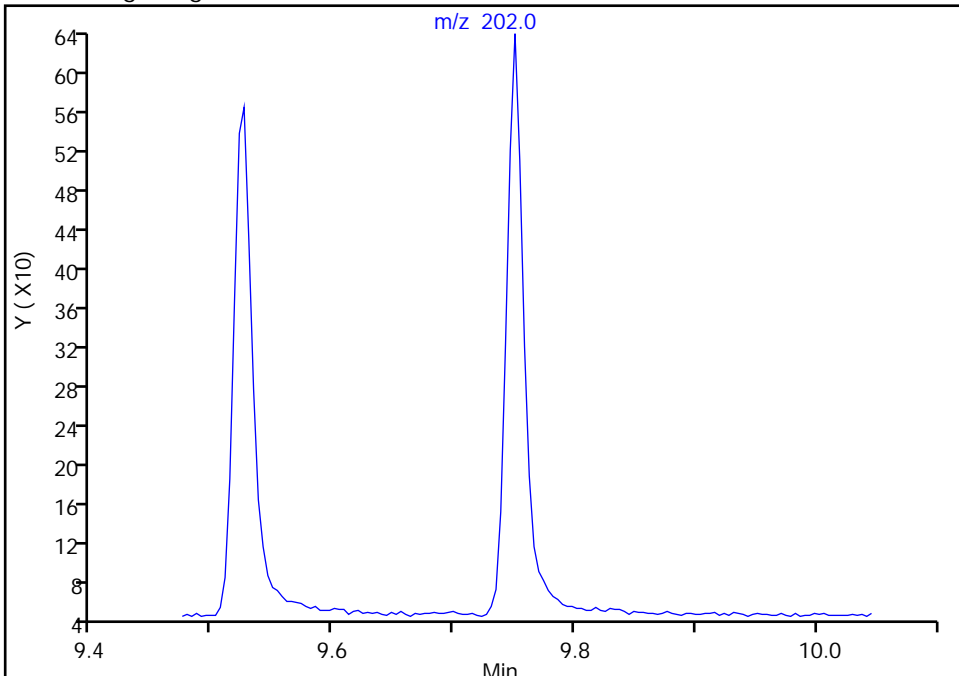
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Pyrene, CAS: 129-00-0

Signal: 1

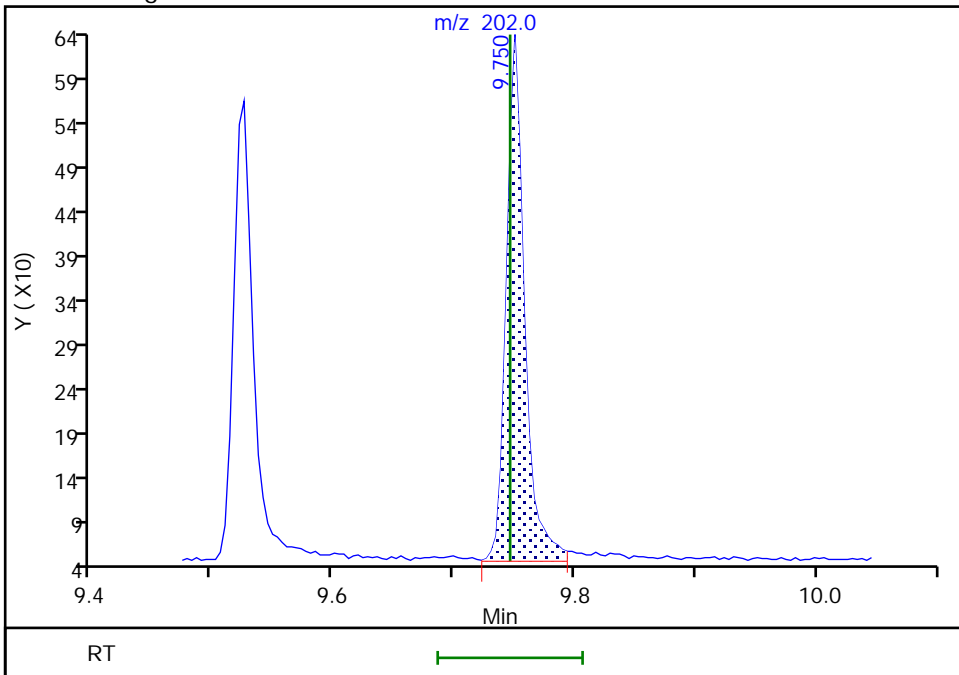
Not Detected
Expected RT: 9.75

Processing Integration Results



Manual Integration Results

RT: 9.75
Area: 611
Amount: 1.982742
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:31:58
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

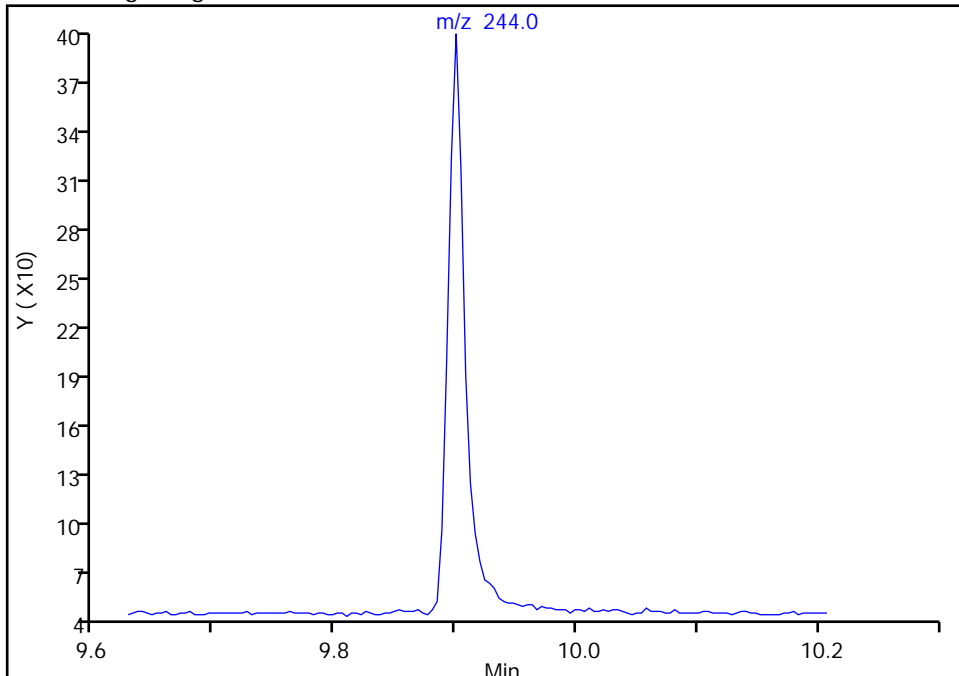
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 9 Terphenyl-d14, CAS: 1718-51-0

Signal: 1

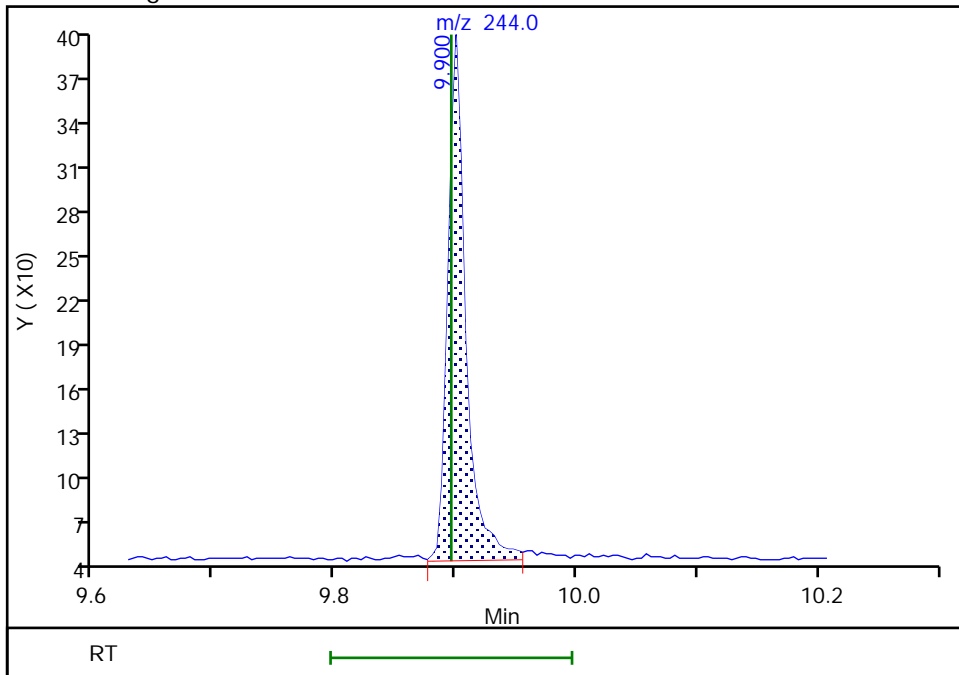
Not Detected
Expected RT: 9.90

Processing Integration Results



Manual Integration Results

RT: 9.90
Area: 359
Amount: 3.087528
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:29:20
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

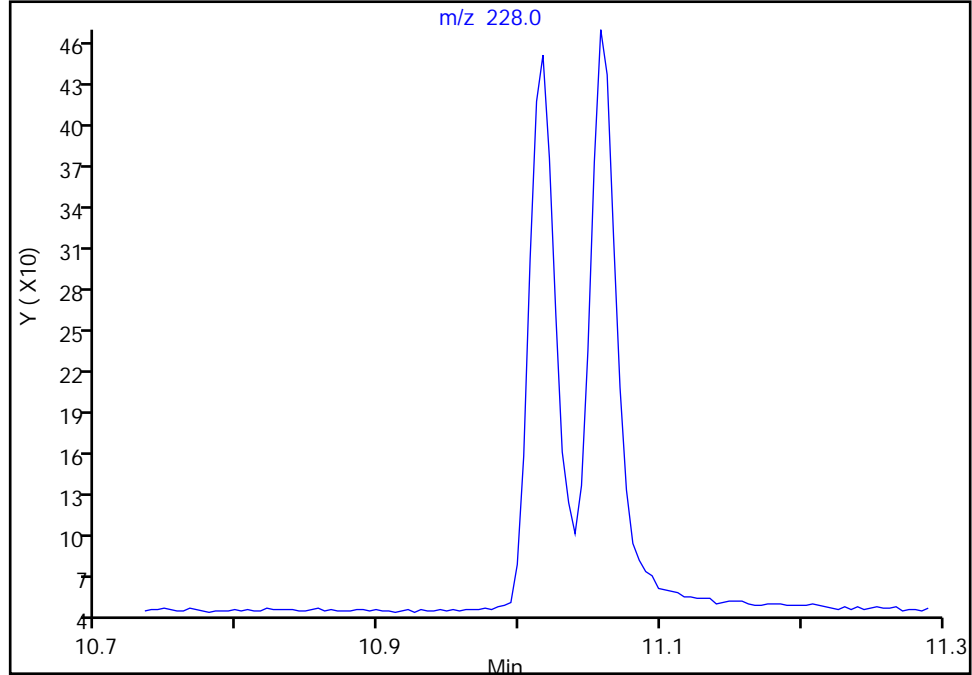
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

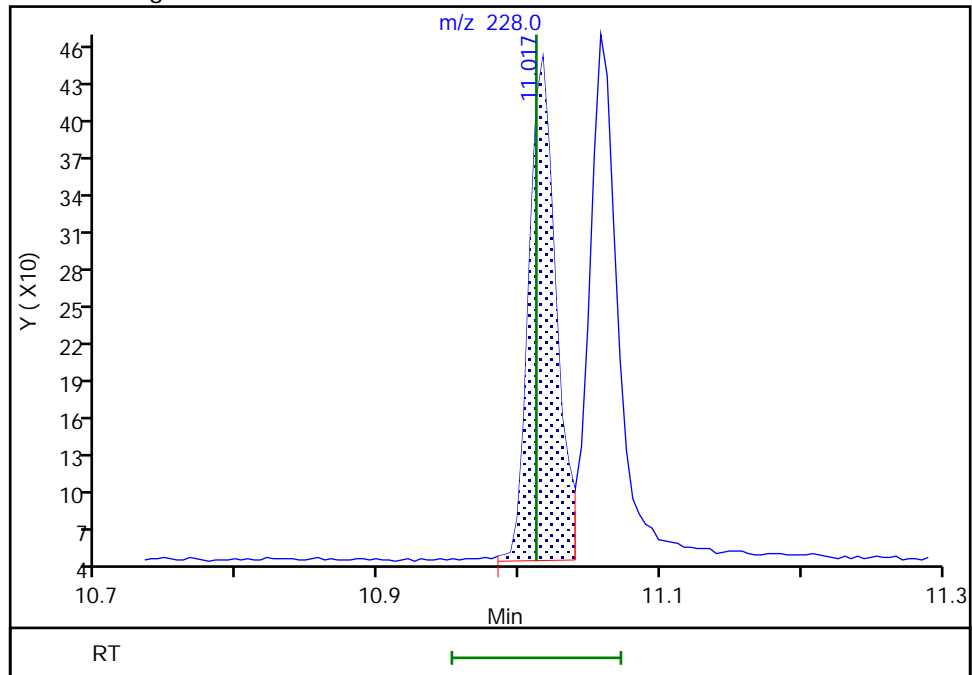
Not Detected
Expected RT: 11.01

Processing Integration Results



Manual Integration Results

RT: 11.02
Area: 524
Amount: 2.042284
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:08
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

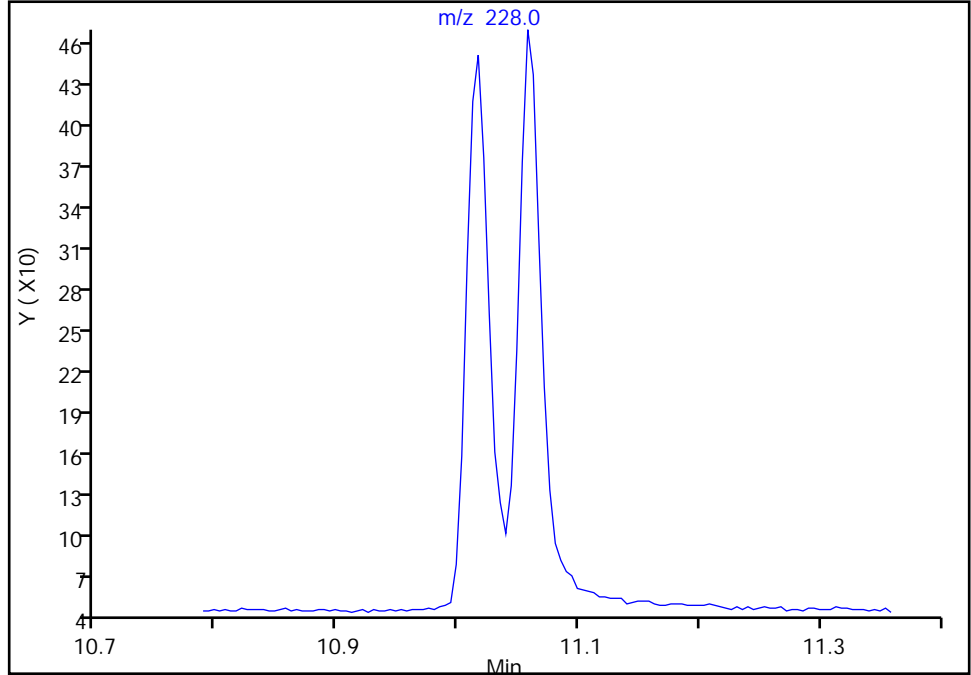
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Chrysene, CAS: 218-01-9

Signal: 1

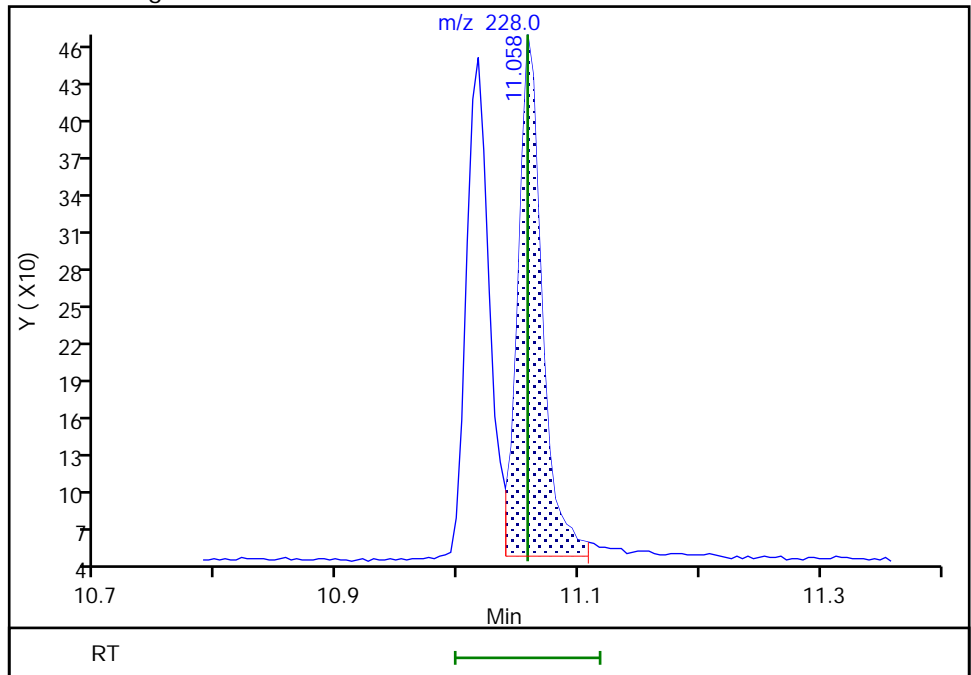
Not Detected
Expected RT: 11.06

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 561
Amount: 1.956936
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:13
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

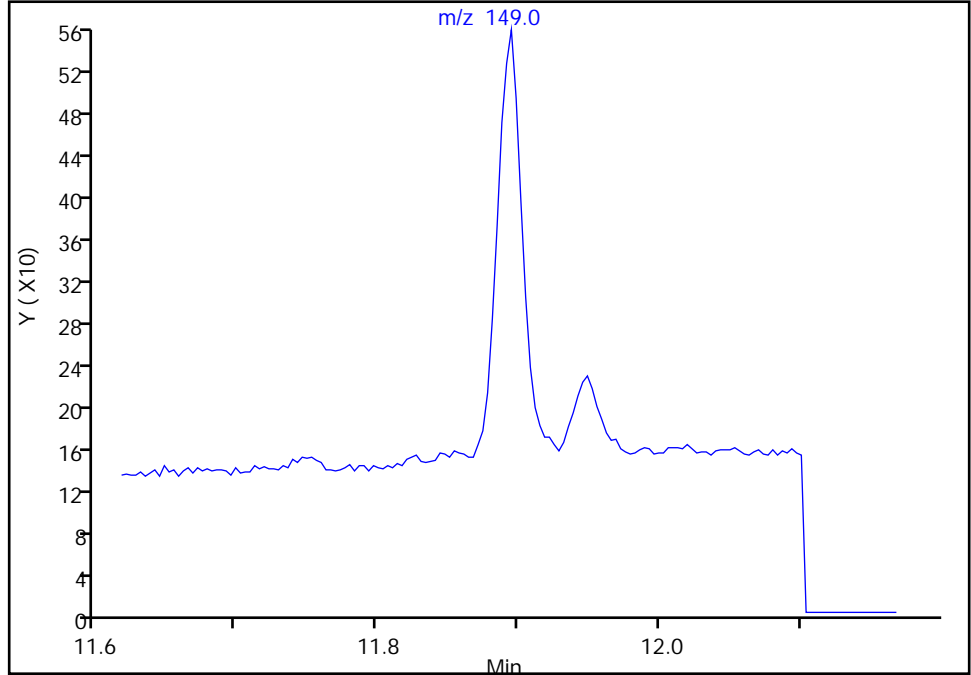
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

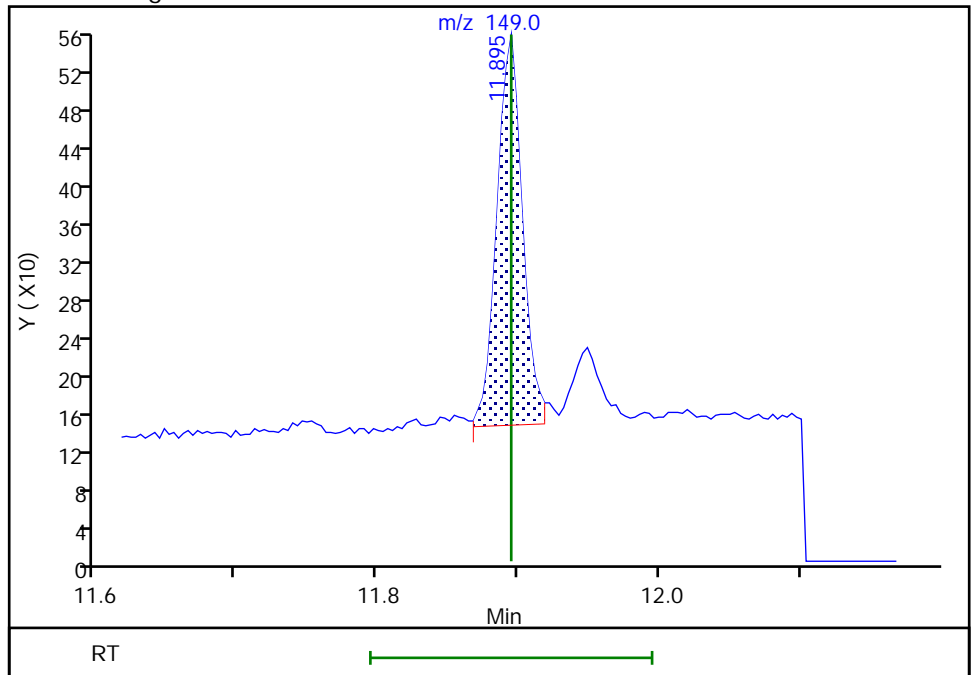
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 509
Amount: 2.068430
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:19
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

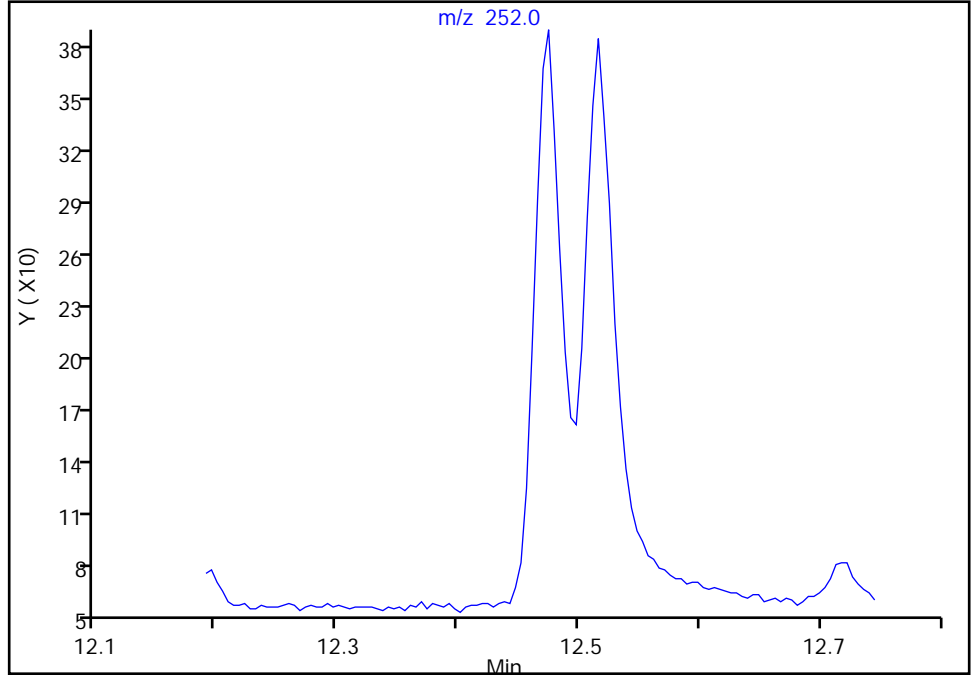
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

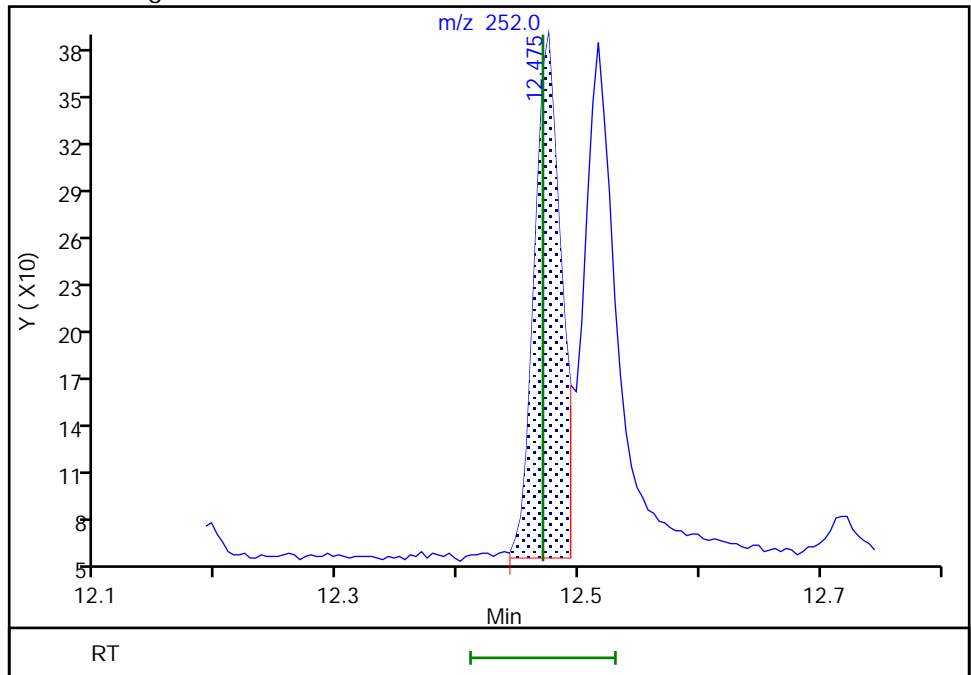
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 491
Amount: 2.064597
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:27
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

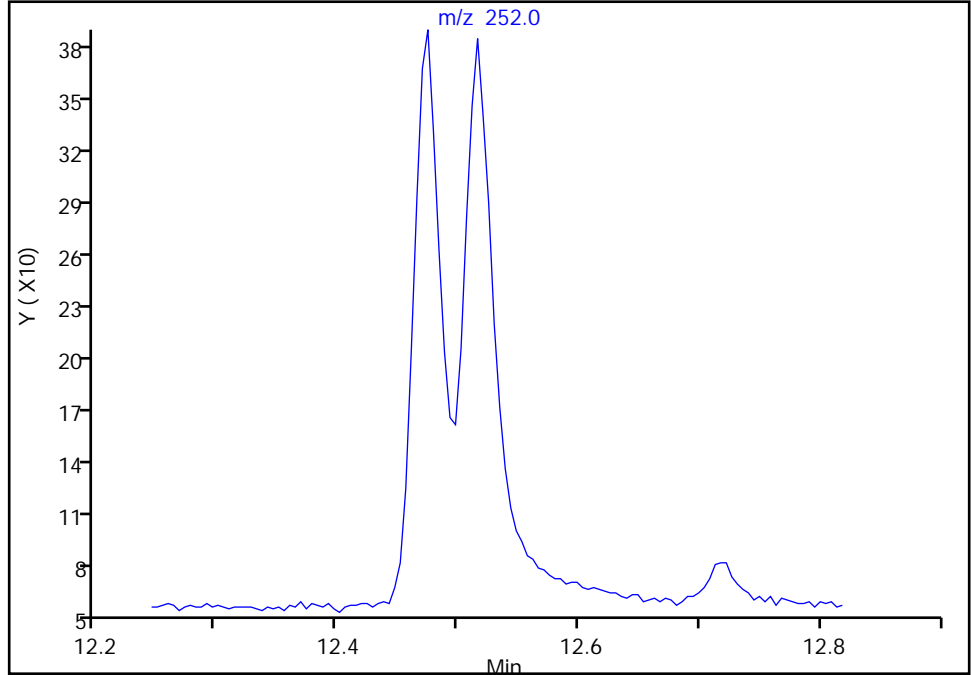
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

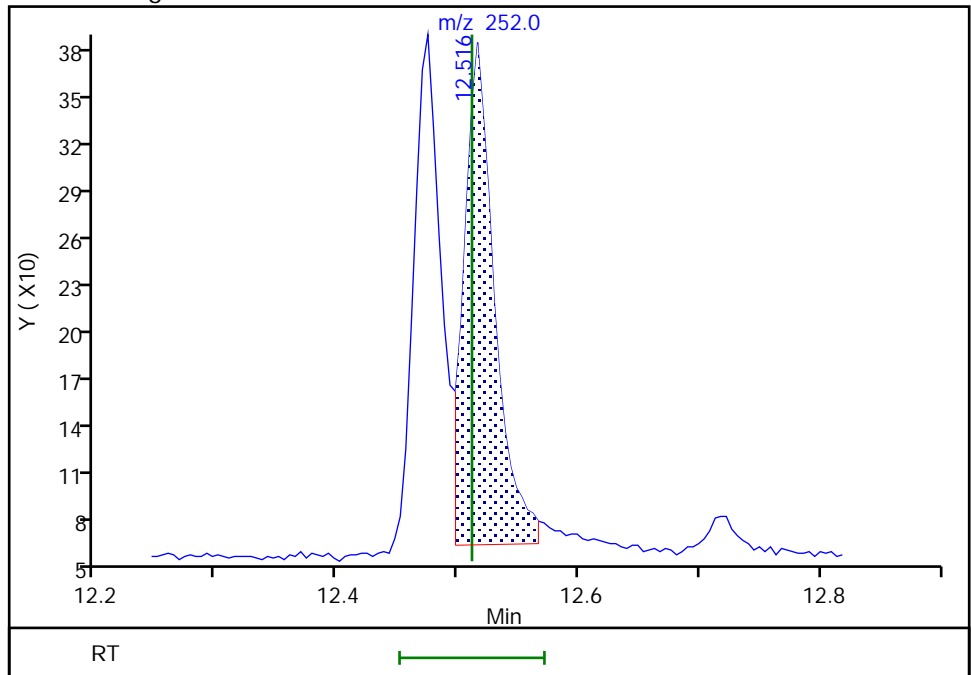
Not Detected
Expected RT: 12.51

Processing Integration Results



Manual Integration Results

RT: 12.52
Area: 540
Amount: 2.036308
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:35
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

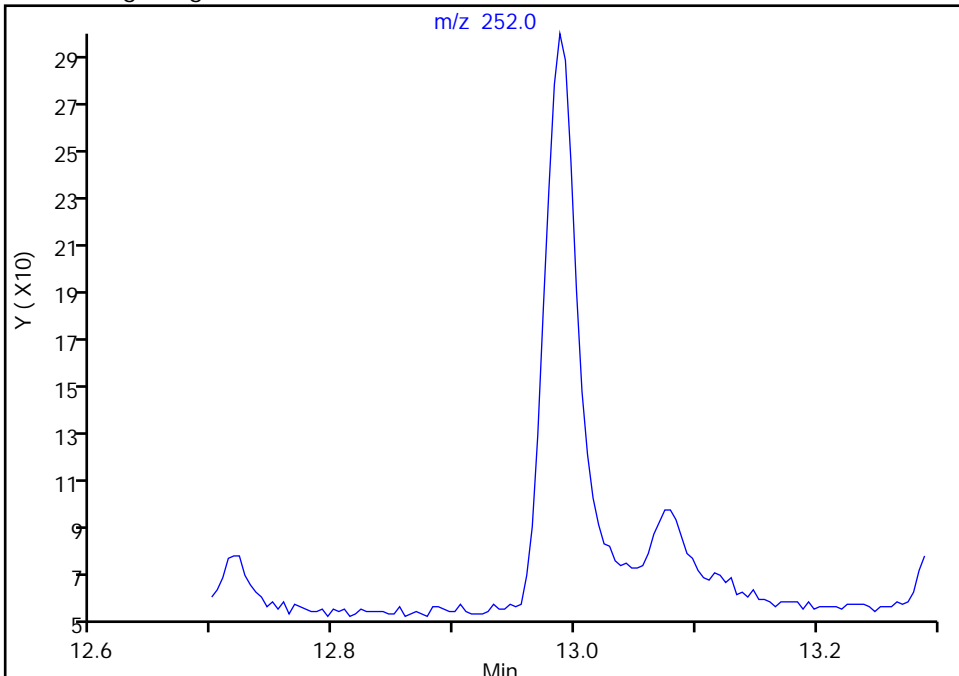
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

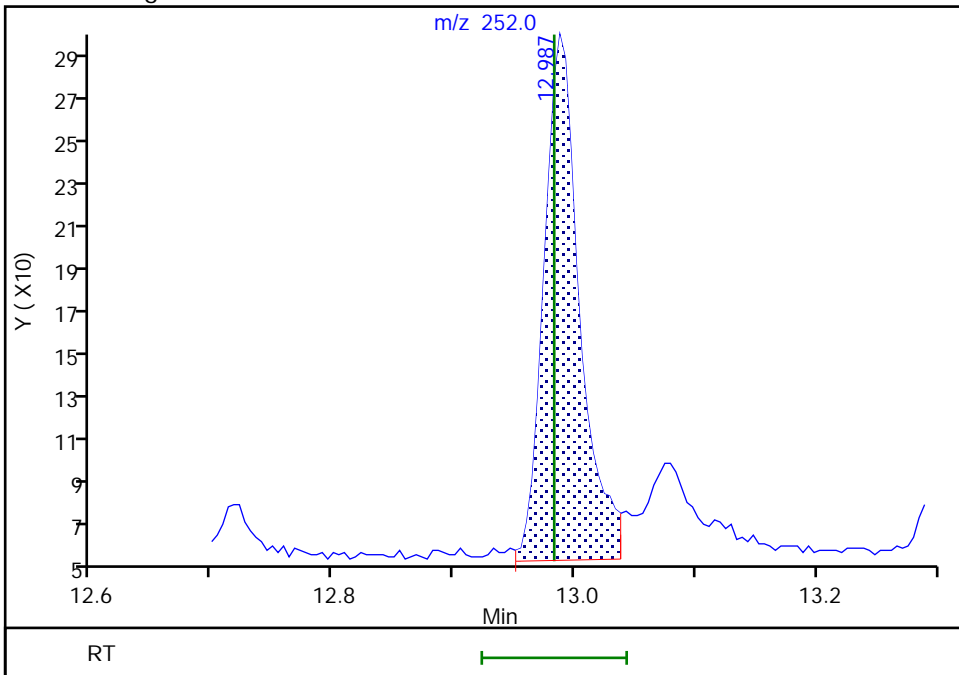
Not Detected
Expected RT: 12.98

Processing Integration Results



Manual Integration Results

RT: 12.99
Area: 494
Amount: 2.086996
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:43
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

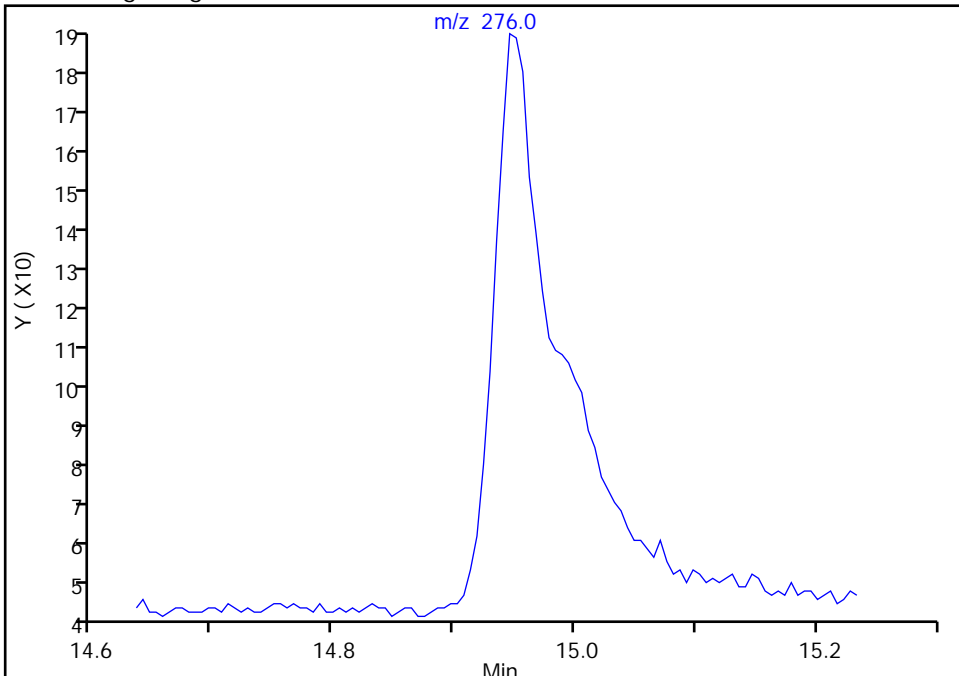
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

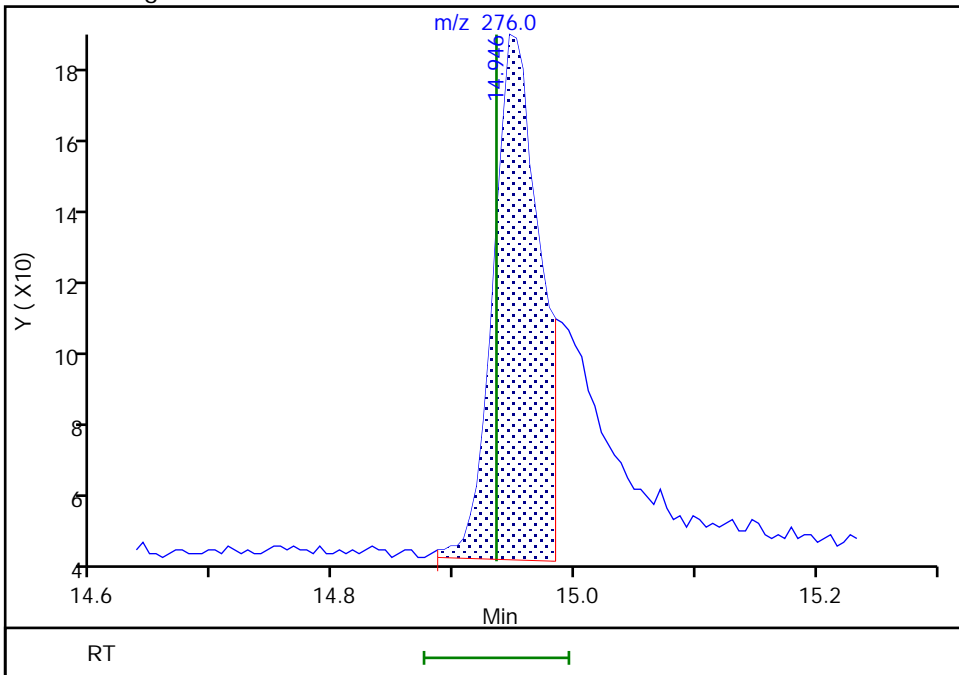
Not Detected
Expected RT: 14.93

Processing Integration Results



Manual Integration Results

RT: 14.95
Area: 365
Amount: 2.771632
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:51
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

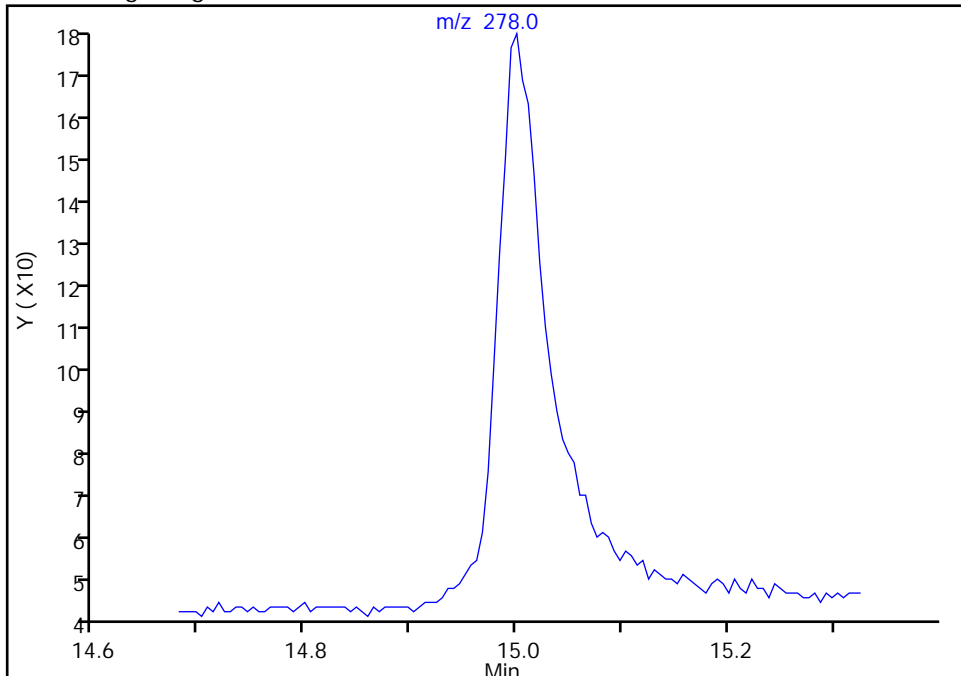
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

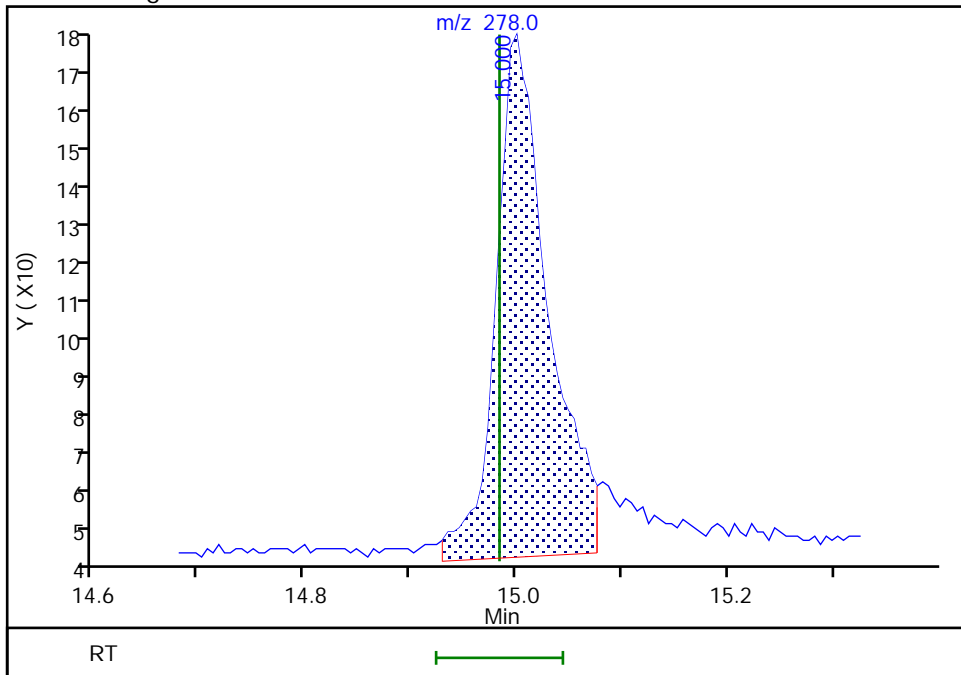
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 15.00
Area: 429
Amount: 2.006314
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:59
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

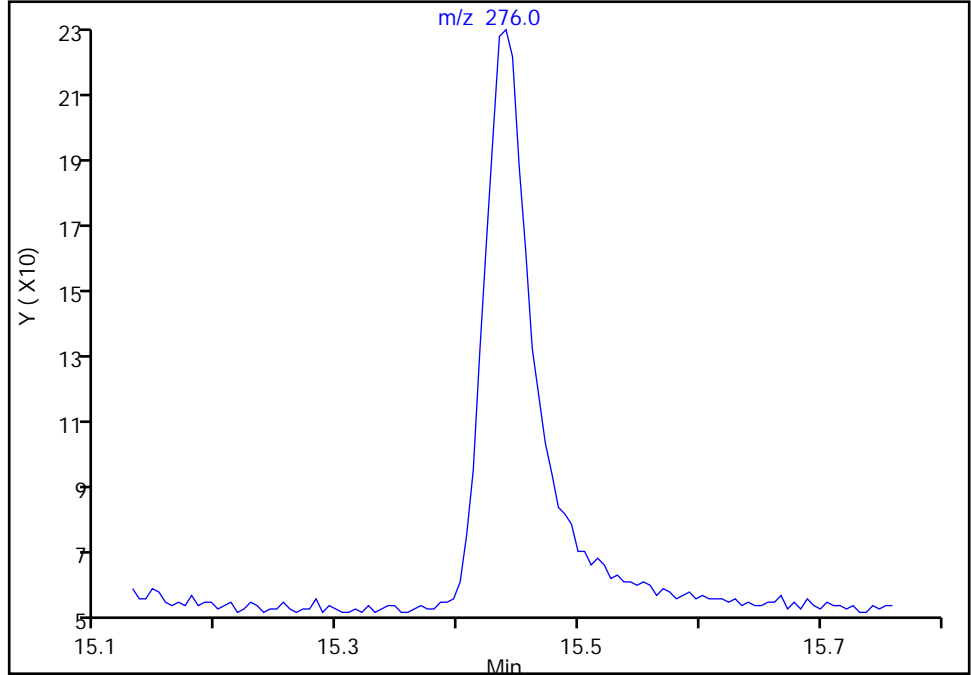
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

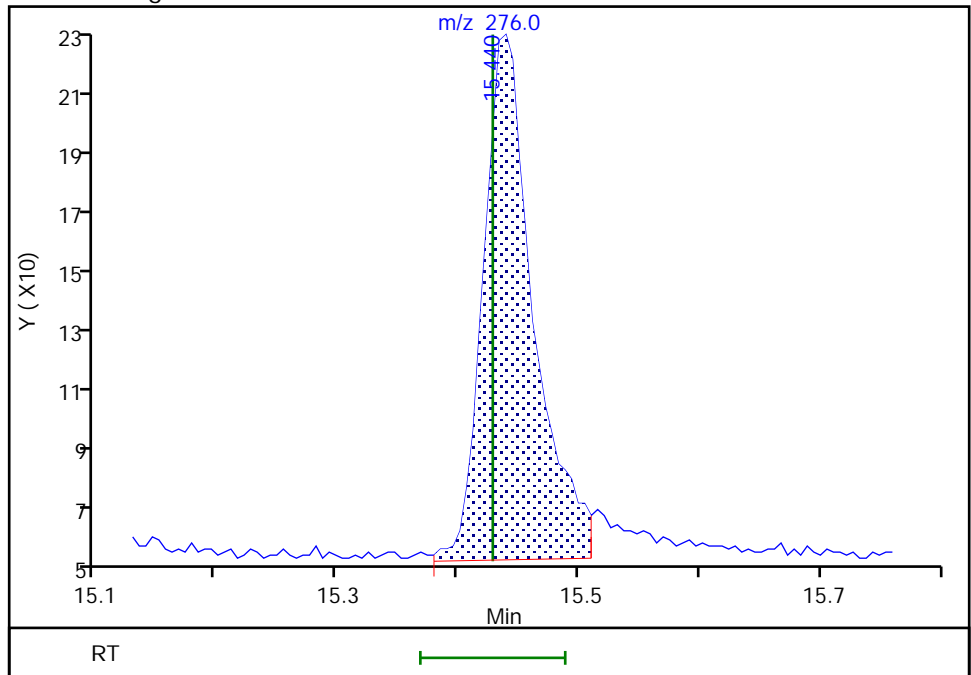
Not Detected
Expected RT: 15.43

Processing Integration Results



Manual Integration Results

RT: 15.44
Area: 497
Amount: 2.072665
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:33:33
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
 Lims ID: std1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 14-Jan-2022 05:04:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 1
 Operator ID: jcm Instrument ID: TAC050
 Sublist: chrom-TAC050_SIM_PAH*sub9
 Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 14-Jan-2022 15:42:24 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:29:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	20735	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	69	9073	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	14232	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	49	10350	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.074	0.005	69	12127	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.814	5.809	0.005	67	122	1.00	0.99	M
\$ 10 2-Fluorobiphenyl	172	6.193	6.190	0.003	0	156	1.00	1.07	M
\$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.502	0.004	68	296	1.00	0.8391	M
\$ 9 Terphenyl-d14	244	9.900	9.896	0.004	95	216	1.00	1.89	M
11 Naphthalene	128	5.189	5.189	0.000	88	256	1.00	1.17	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	97	122	1.00	0.9809	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	99	133	1.00	1.10	M
14 Acenaphthylene	152	6.717	6.717	0.000	100	199	1.00	1.04	M
15 Acenaphthene	153	6.885	6.884	0.001	82	125	1.00	1.04	M
16 Fluorene	166	7.394	7.389	0.005	99	148	1.00	1.10	M
18 Phenanthrene	178	8.342	8.342	0.000	35	355	1.00	0.8469	M
19 Anthracene	178	8.397	8.389	0.008	99	339	1.00	0.9684	M
20 Fluoranthene	202	9.526	9.522	0.004	55	360	1.00	0.8607	M
21 Pyrene	202	9.754	9.746	0.008	52	386	1.00	0.8357	M
22 Benzo[a]anthracene	228	11.017	11.012	0.005	24	316	1.00	0.8148	M
23 Chrysene	228	11.058	11.057	0.001	98	341	1.00	0.7148	M
30 Bis(2-ethylhexyl) phthalate	149	11.892	11.895	-0.003	0	301	1.00	1.02	M
24 Benzo[b]fluoranthene	252	12.475	12.470	0.005	98	286	1.00	0.99	M
25 Benzo[k]fluoranthene	252	12.521	12.511	0.010	92	313	1.00	0.9775	M
26 Benzo[a]pyrene	252	12.988	12.983	0.005	96	285	1.00	0.99	M
27 Indeno[1,2,3-cd]pyrene	276	14.957	14.935	0.022	96	194	1.00	1.68	M
28 Dibenz(a,h)anthracene	278	15.011	14.984	0.027	95	246	1.00	1.01	M
29 Benzo[g,h,i]perylene	276	15.440	15.429	0.011	91	281	1.00	0.9844	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

8270SIM_IS_00069

Amount Added: 9.80

Units: uL

8270ccvl_50_00039

Amount Added: 20.00

Units: uL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Injection Date: 14-Jan-2022 05:04:30

Instrument ID: TAC050

Lims ID: std1

Client ID:

Operator ID: jcm

ALS Bottle#: 16

Worklist Smp#: 16

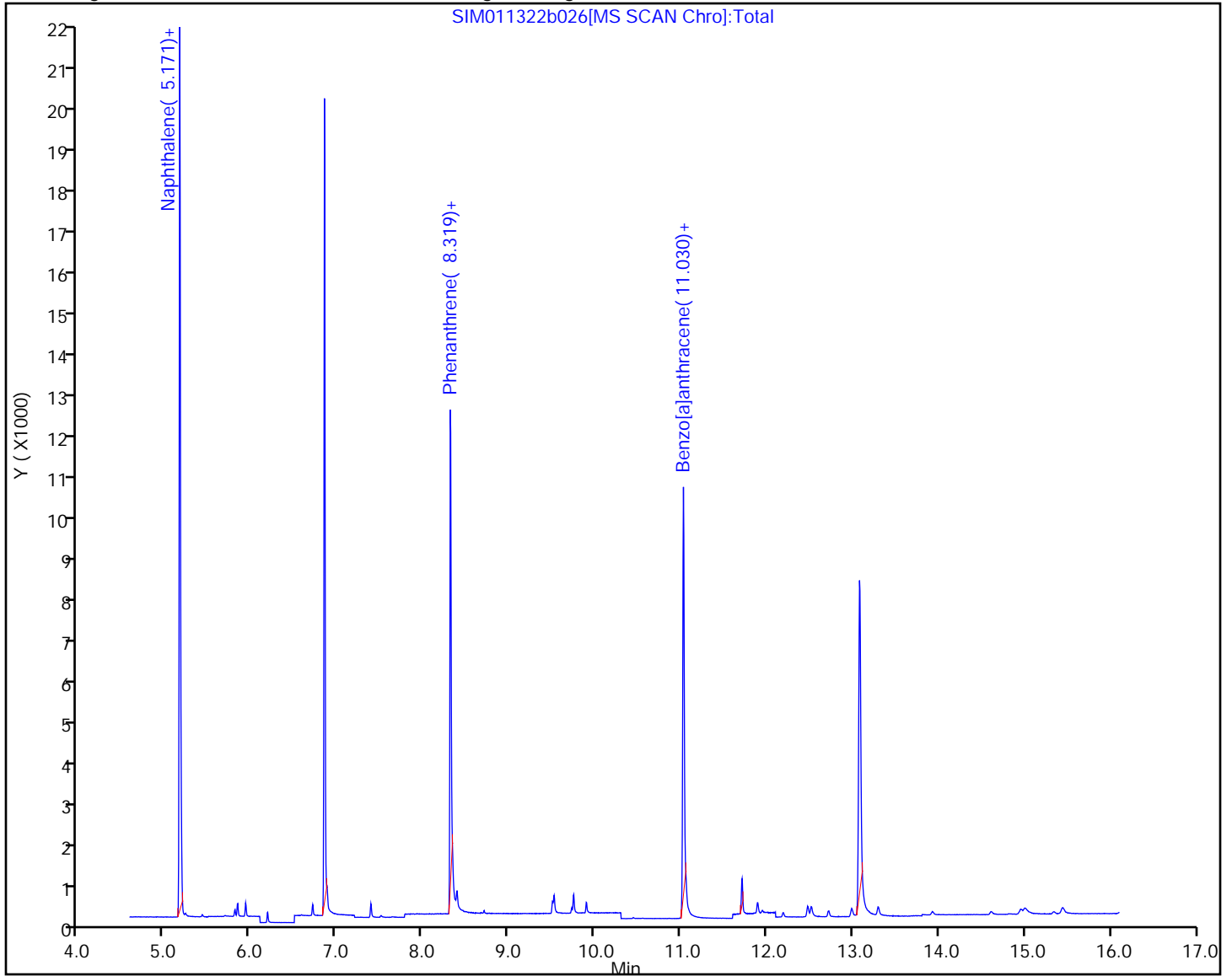
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

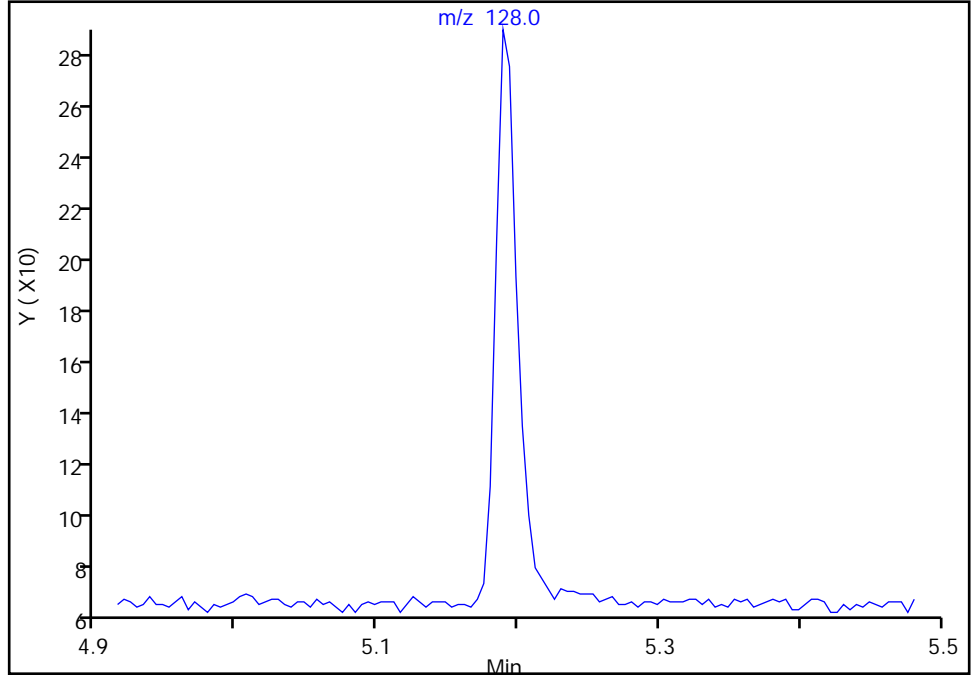
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

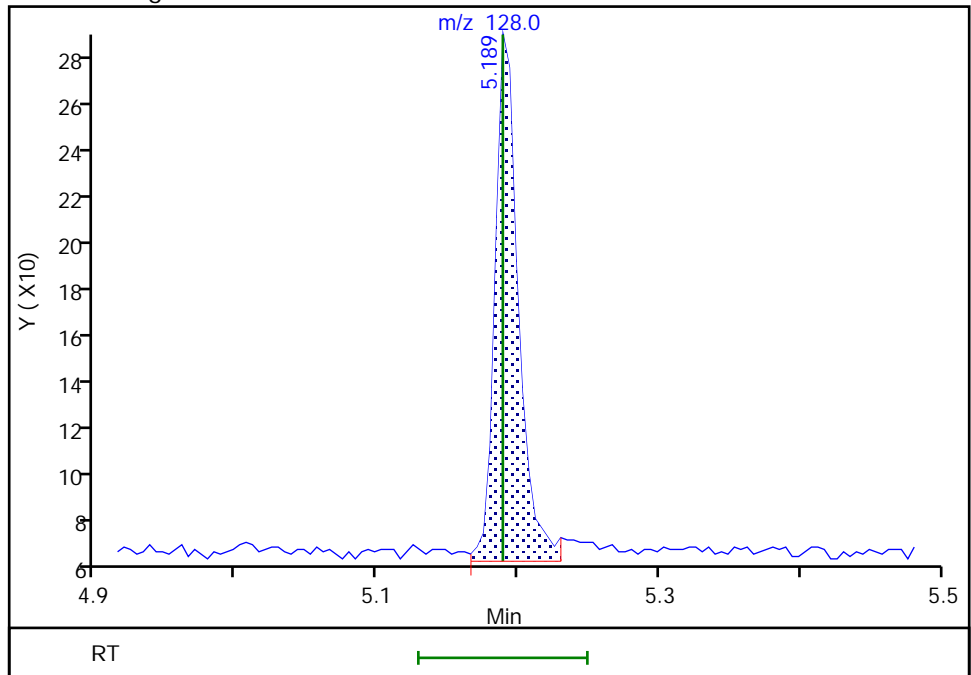
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 256
Amount: 1.167329
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:18
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

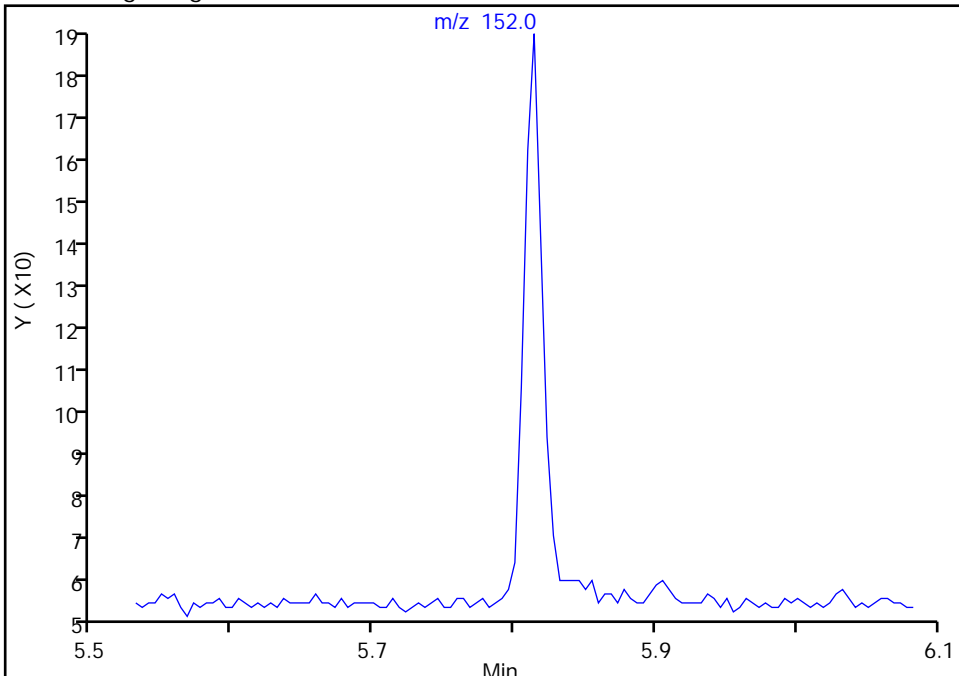
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 6 2-methylnaphthalene-d10, CAS: 7297-45-2

Signal: 1

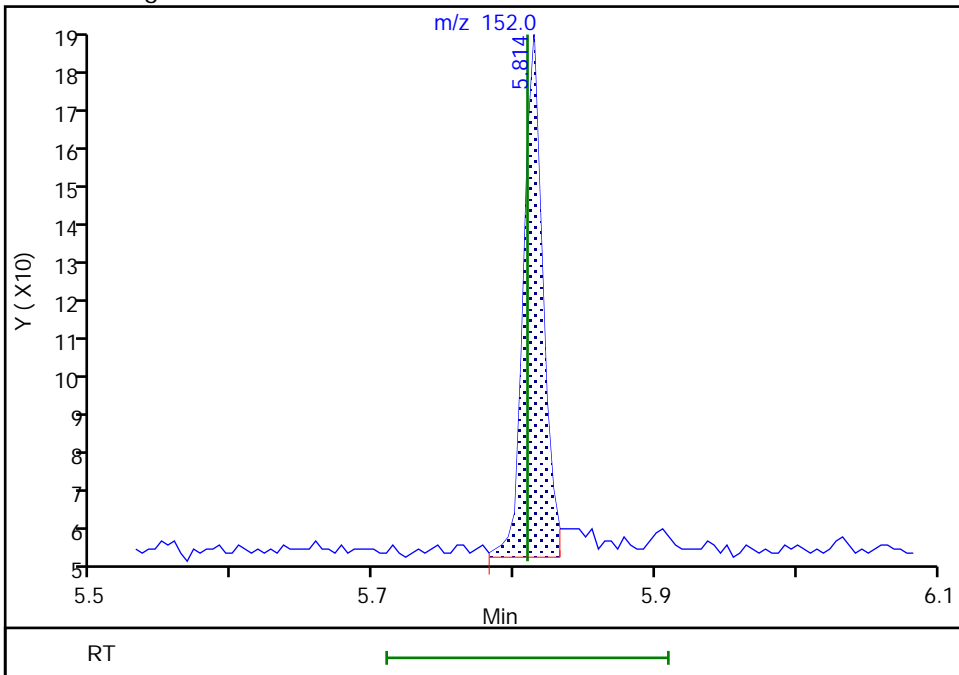
Not Detected
Expected RT: 5.81

Processing Integration Results



Manual Integration Results

RT: 5.81
Area: 122
Amount: 0.994559
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:36:49
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

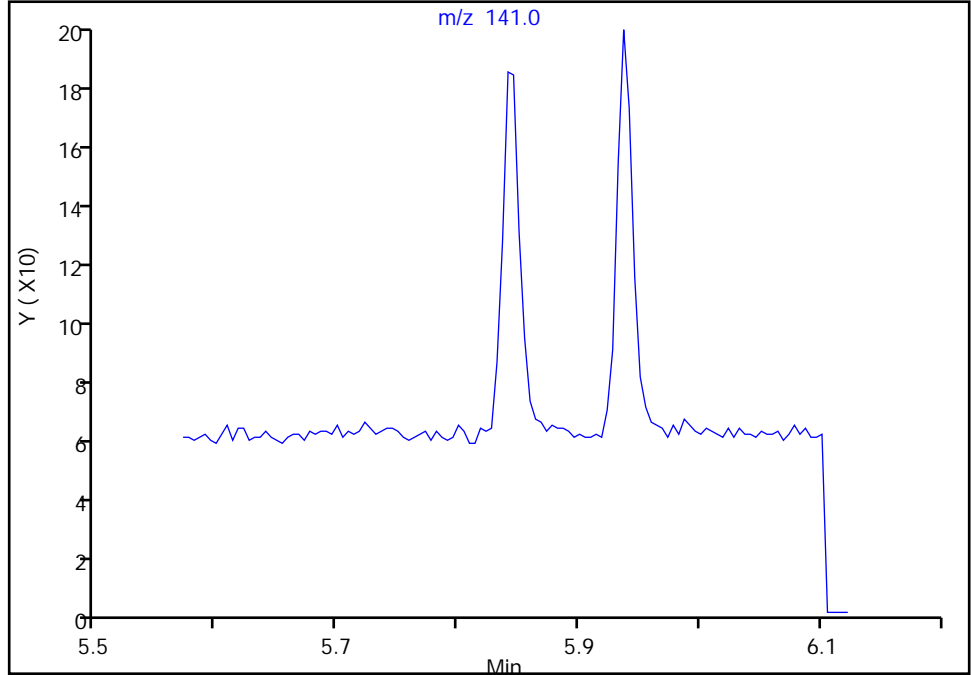
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

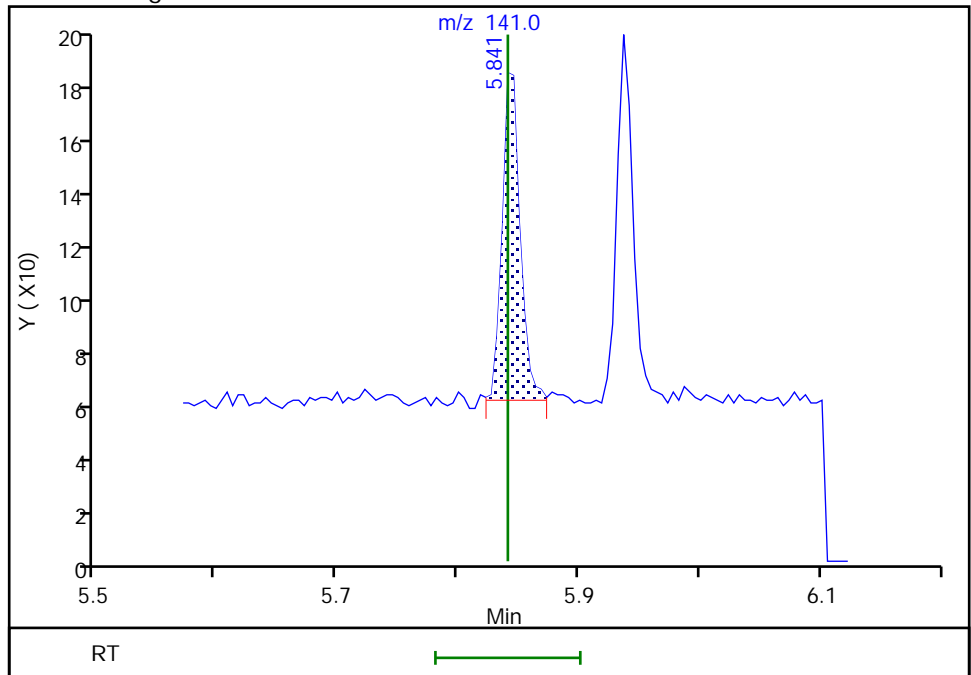
Not Detected
Expected RT: 5.84

Processing Integration Results



RT: 5.84
Area: 122
Amount: 0.980912
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:37:24
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

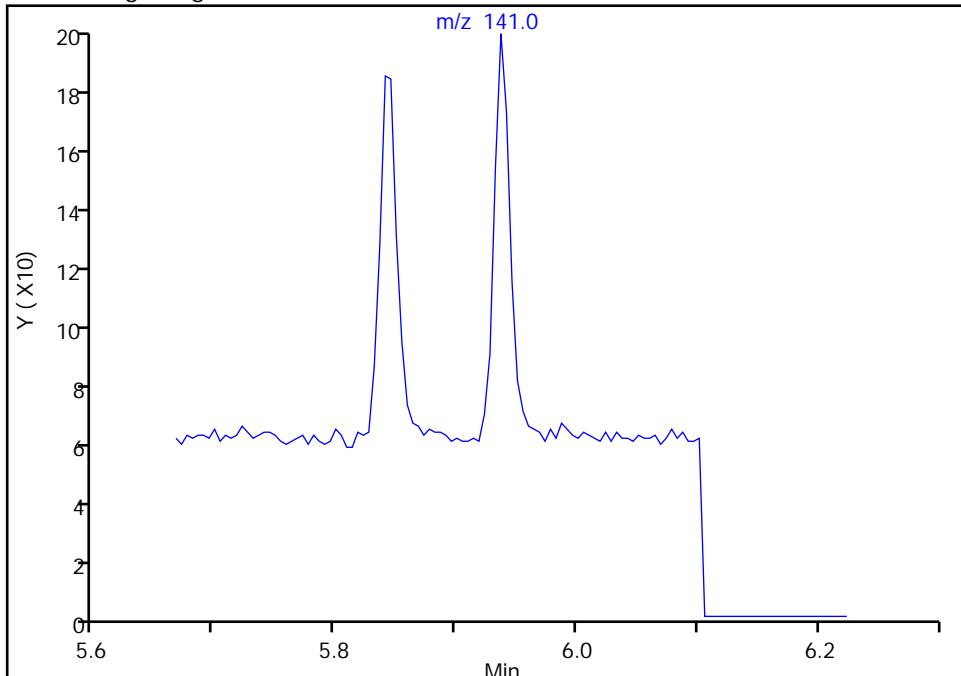
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

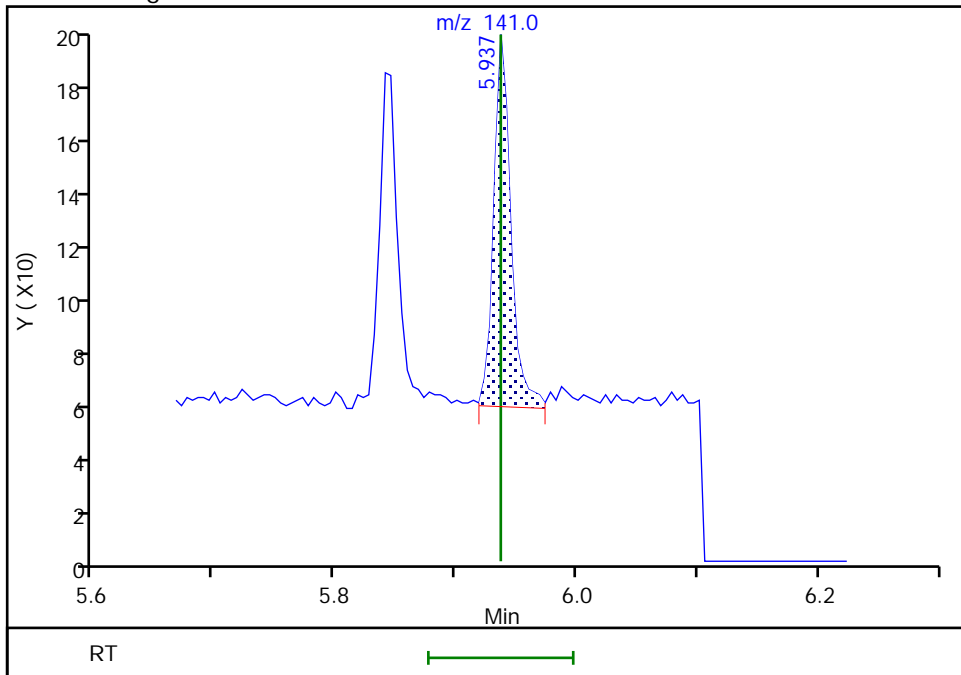
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 133
Amount: 1.104006
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:30
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

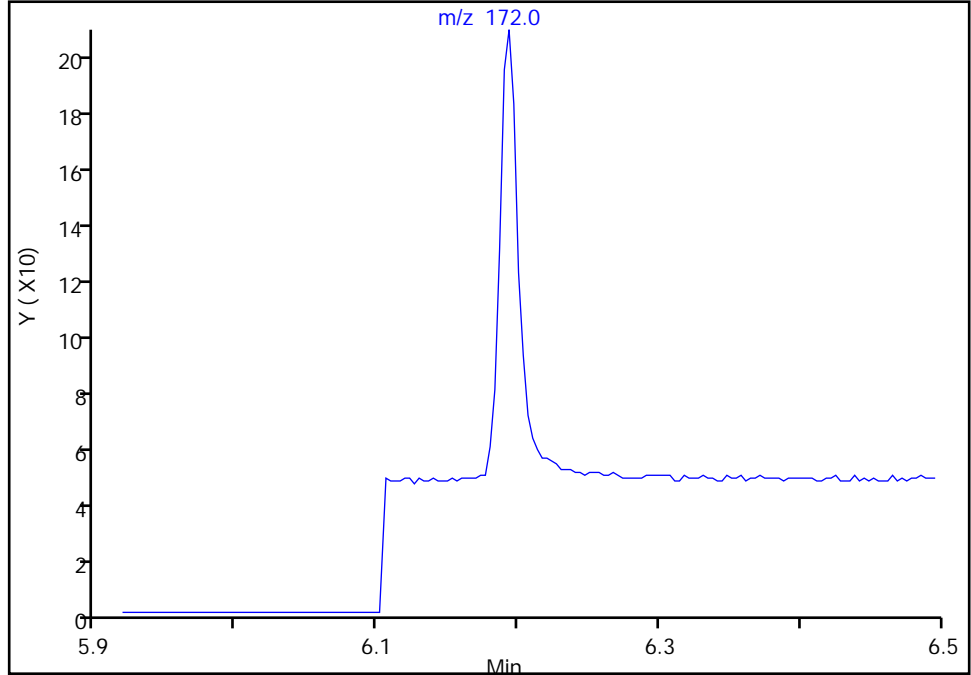
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

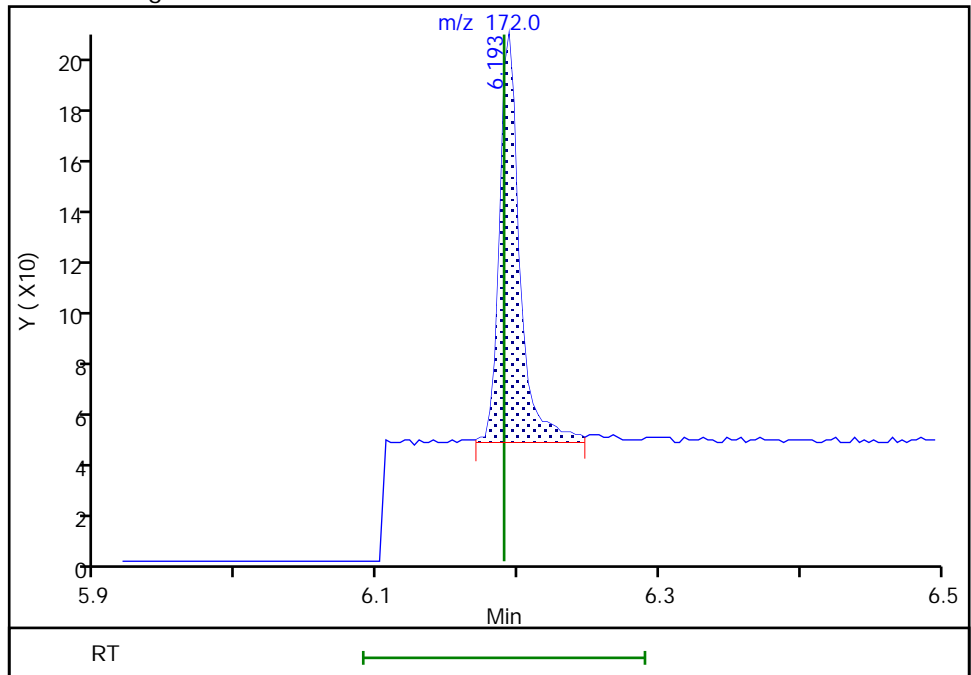
Not Detected
Expected RT: 6.19

Processing Integration Results



RT: 6.19
Area: 156
Amount: 1.074497
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:37:01
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

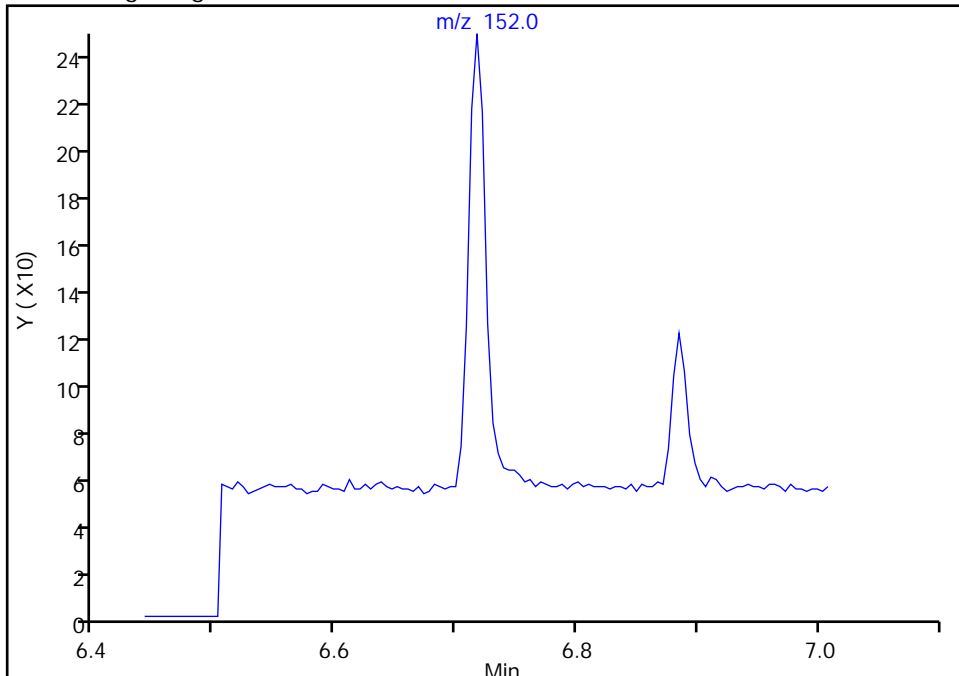
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

14 Acenaphthylene, CAS: 208-96-8

Signal: 1

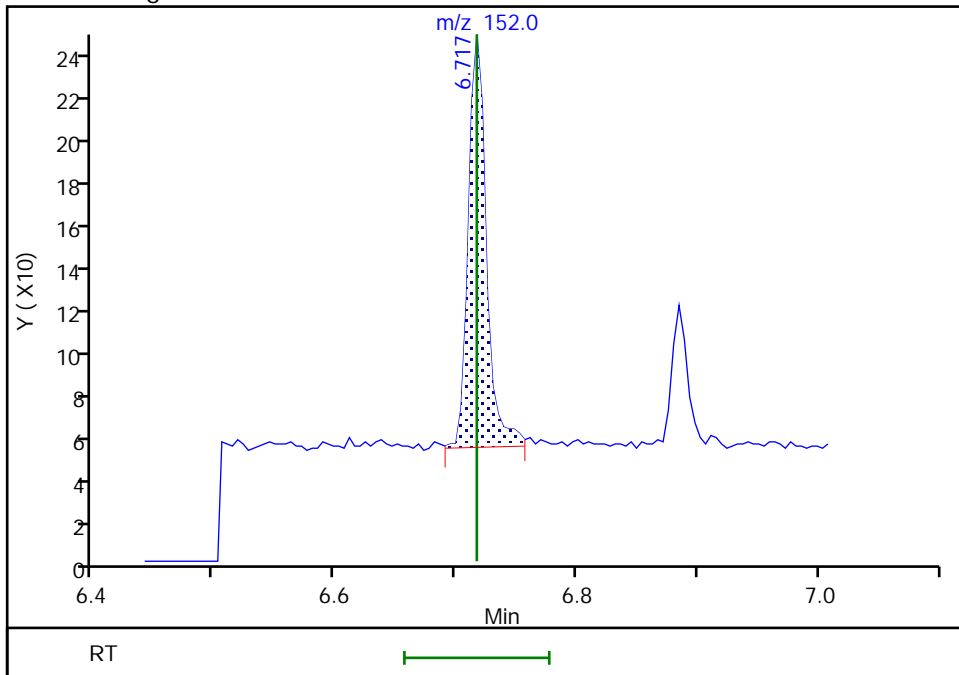
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 199
Amount: 1.037454
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:37
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

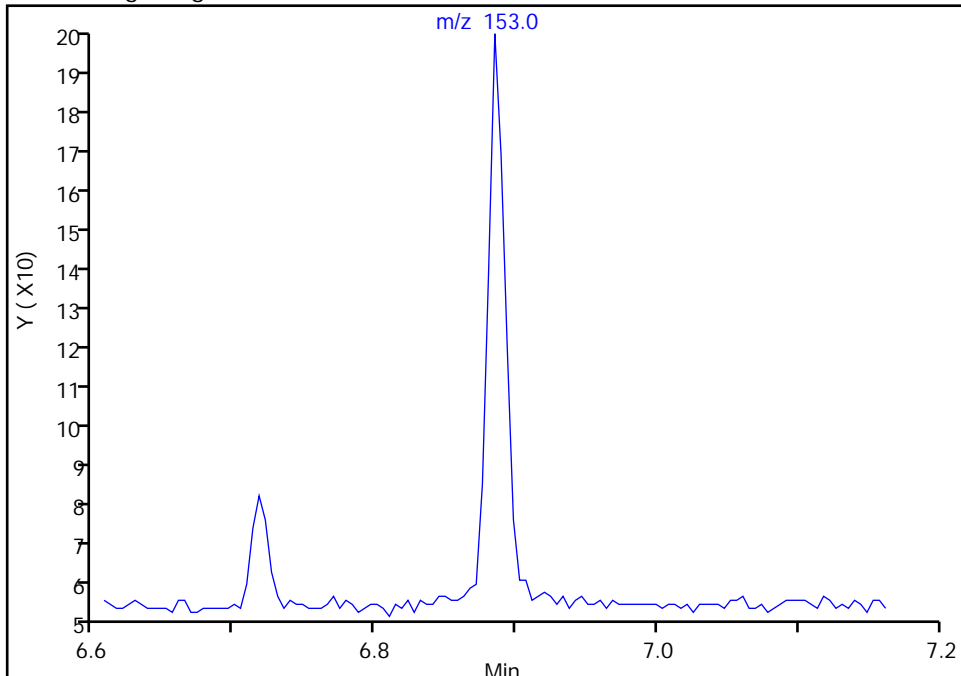
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

15 Acenaphthene, CAS: 83-32-9

Signal: 1

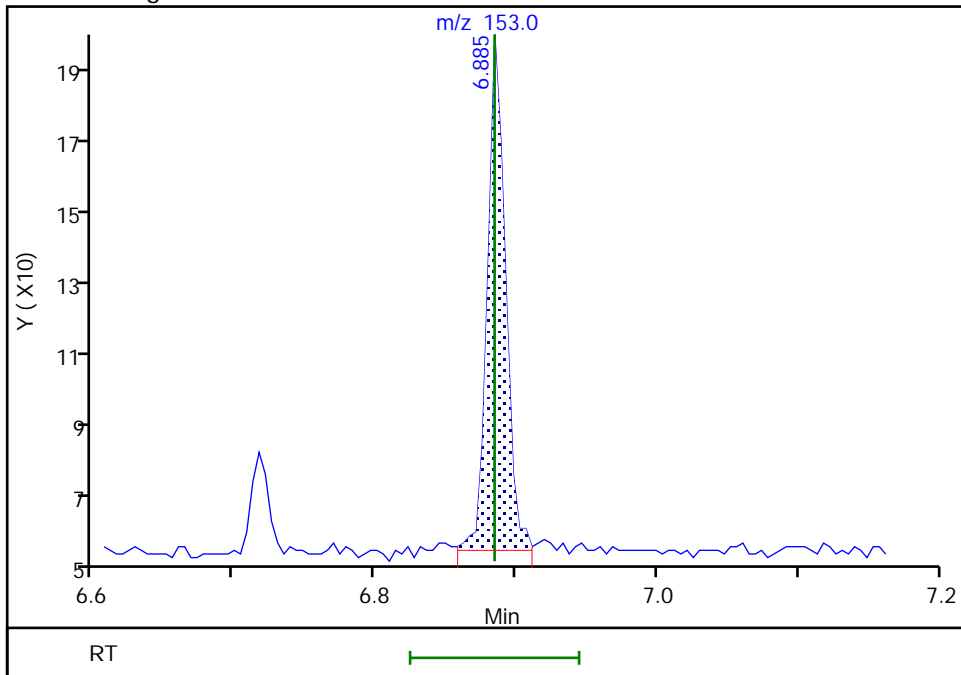
Not Detected
Expected RT: 6.88

Processing Integration Results



Manual Integration Results

RT: 6.88
Area: 125
Amount: 1.038427
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:44
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

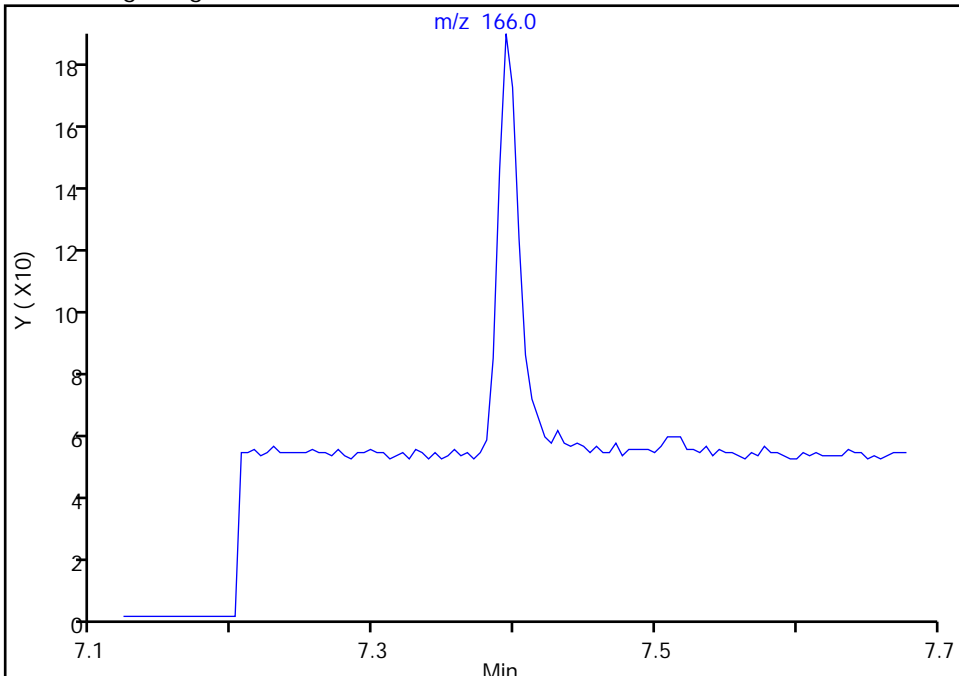
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Fluorene, CAS: 86-73-7

Signal: 1

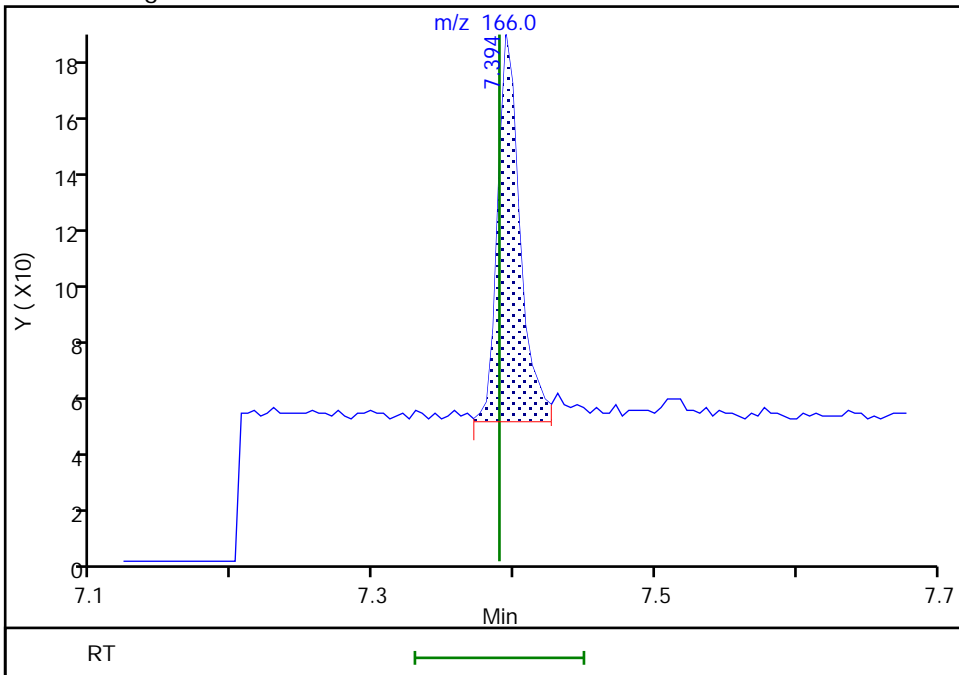
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 148
Amount: 1.102831
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:57
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

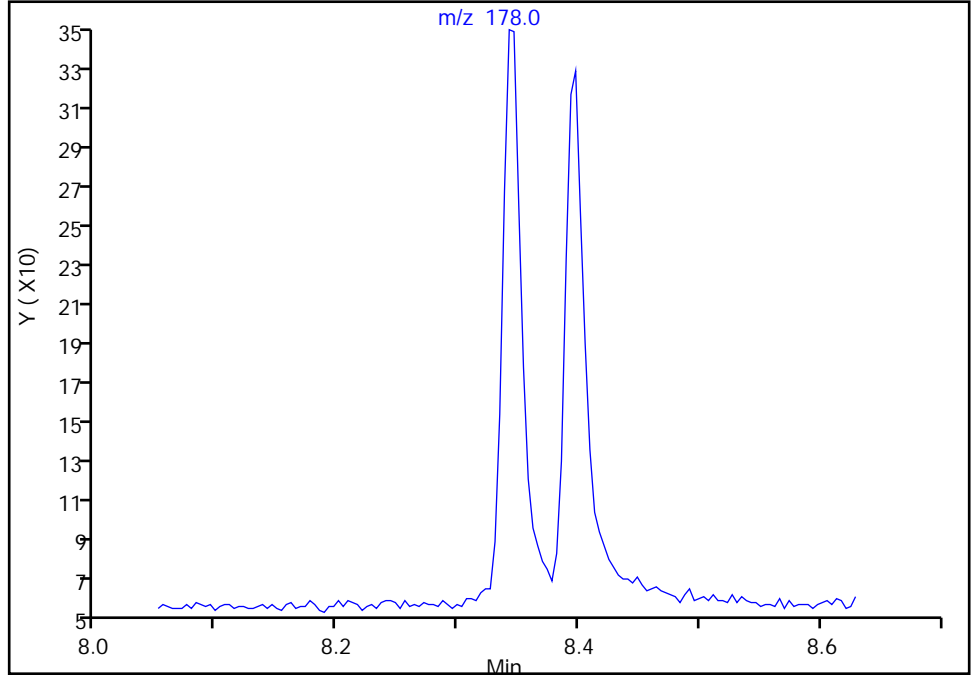
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

18 Phenanthrene, CAS: 85-01-8

Signal: 1

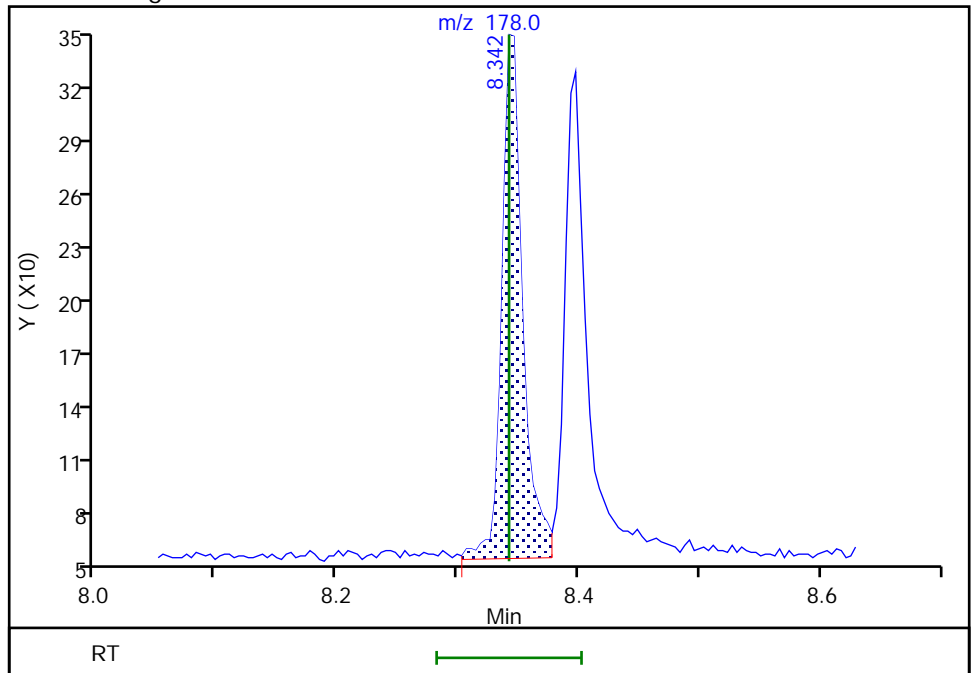
Not Detected
Expected RT: 8.34

Processing Integration Results



Manual Integration Results

RT: 8.34
Area: 355
Amount: 0.846866
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:05
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

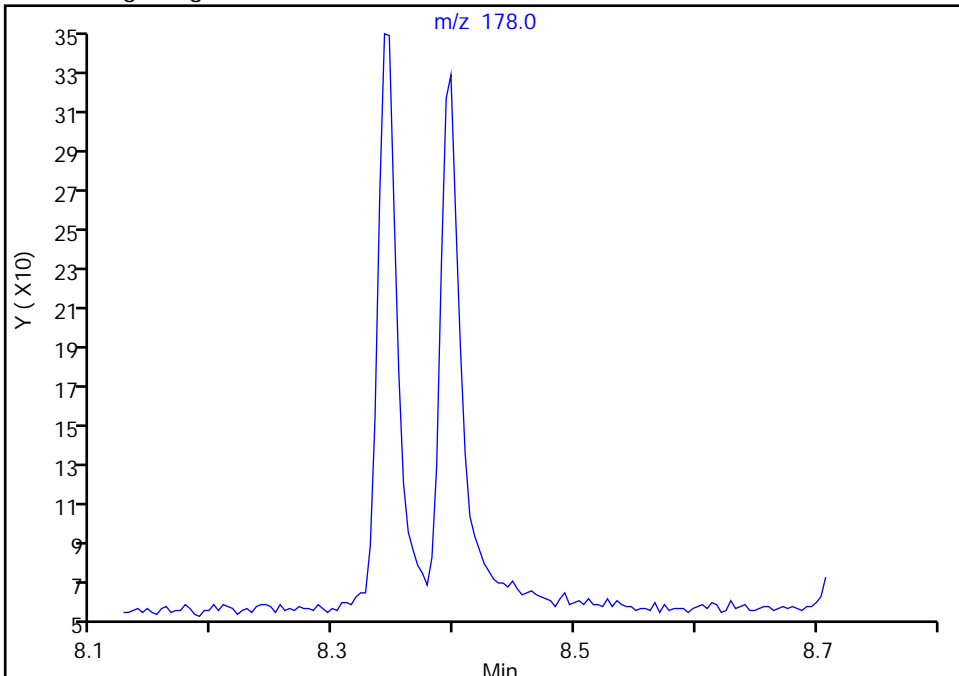
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Anthracene, CAS: 120-12-7

Signal: 1

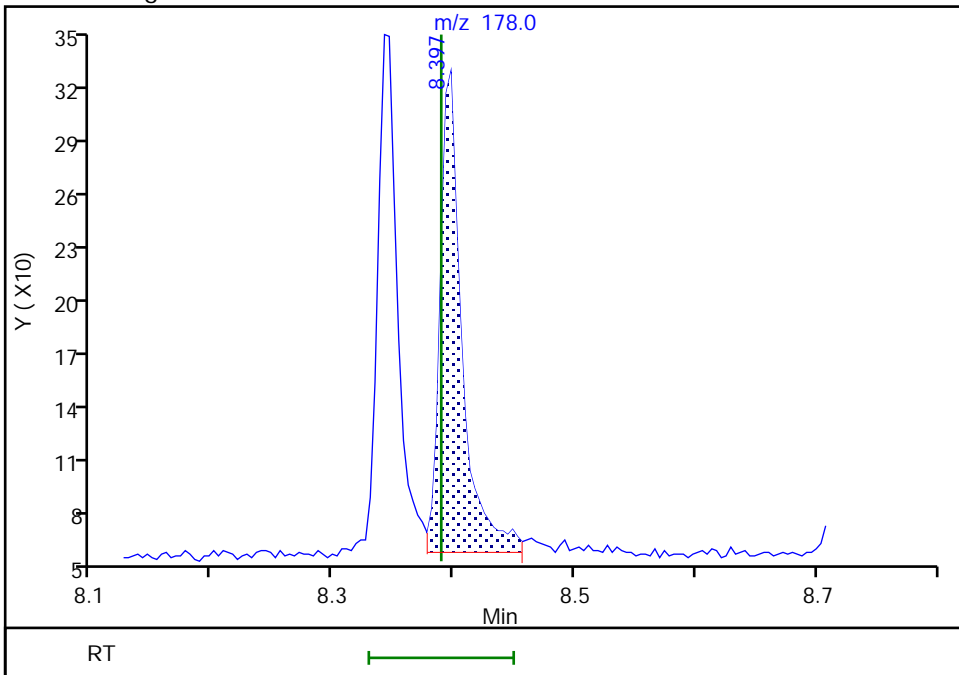
Not Detected
Expected RT: 8.39

Processing Integration Results



Manual Integration Results

RT: 8.40
Area: 339
Amount: 0.968377
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:09
Audit Action: Manually Integrated

Audit Reason: Assign Peak

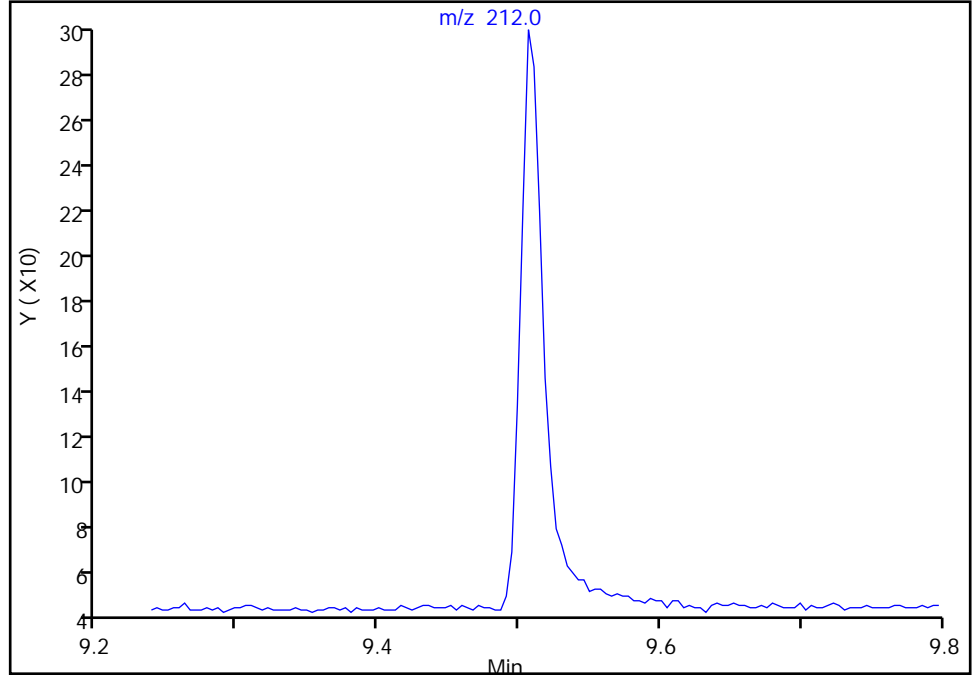
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 8 Fluoranthene-d10 (Surr), CAS: 93951-69-0
Signal: 1

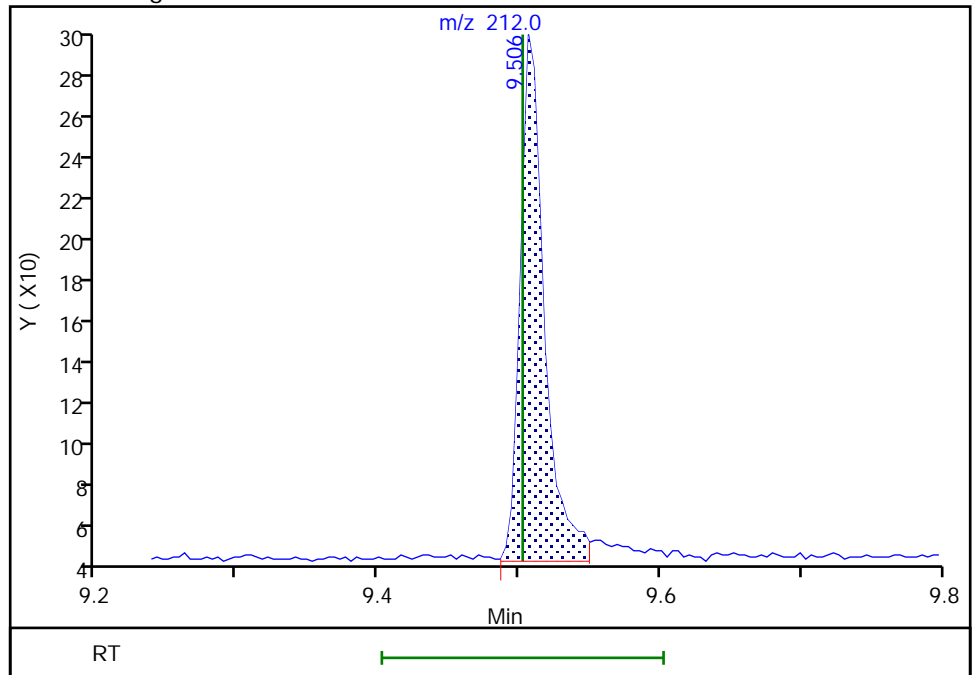
Not Detected
Expected RT: 9.50

Processing Integration Results



RT: 9.51
Area: 296
Amount: 0.839144
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:37:09
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

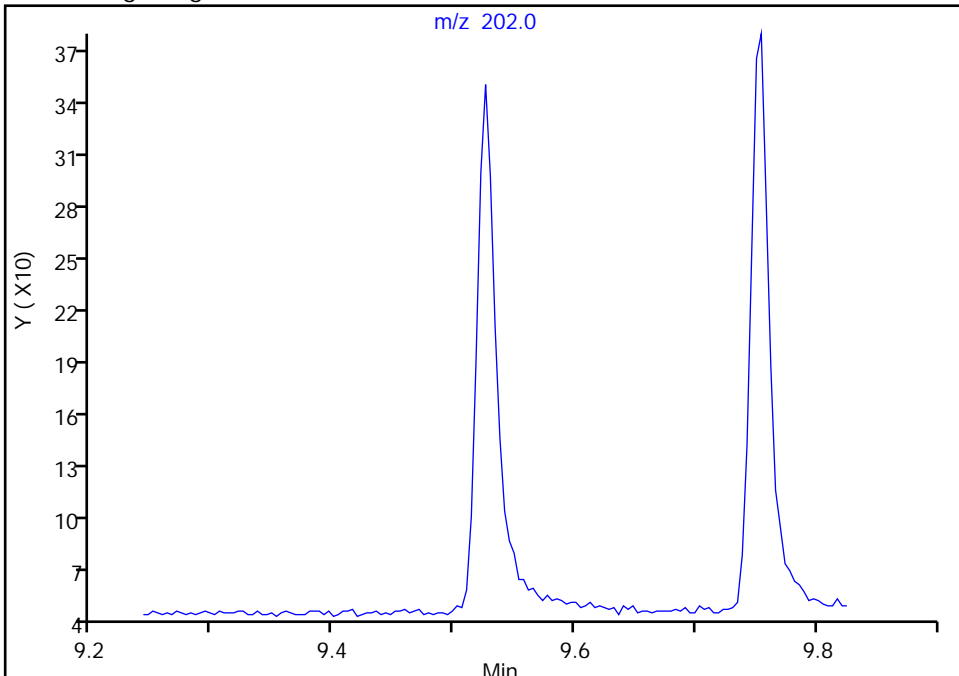
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Fluoranthene, CAS: 206-44-0

Signal: 1

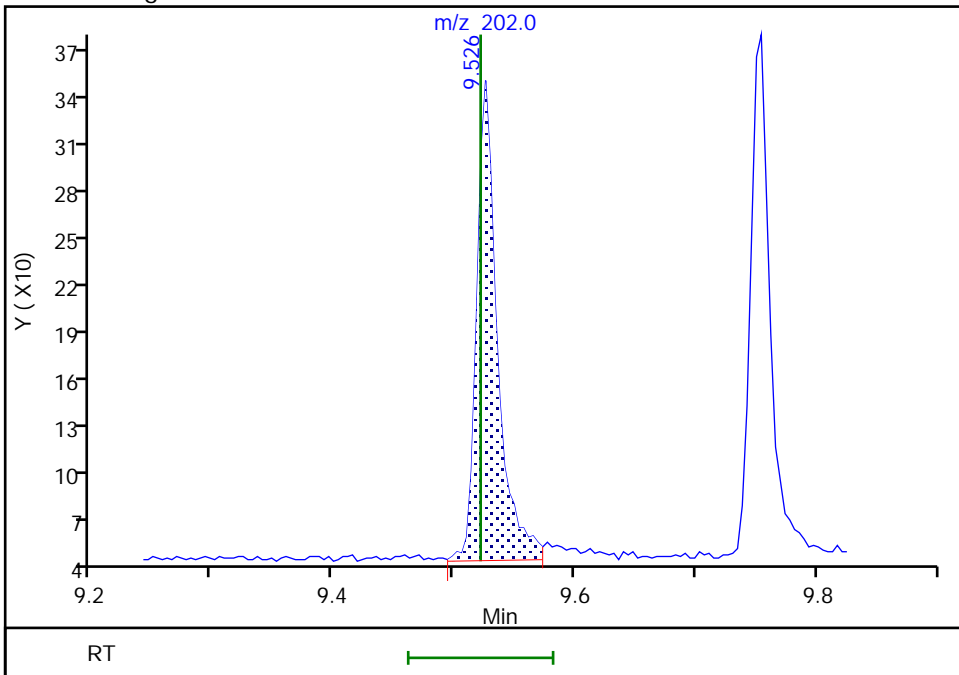
Not Detected
Expected RT: 9.52

Processing Integration Results



Manual Integration Results

RT: 9.53
Area: 360
Amount: 0.860666
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:15
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

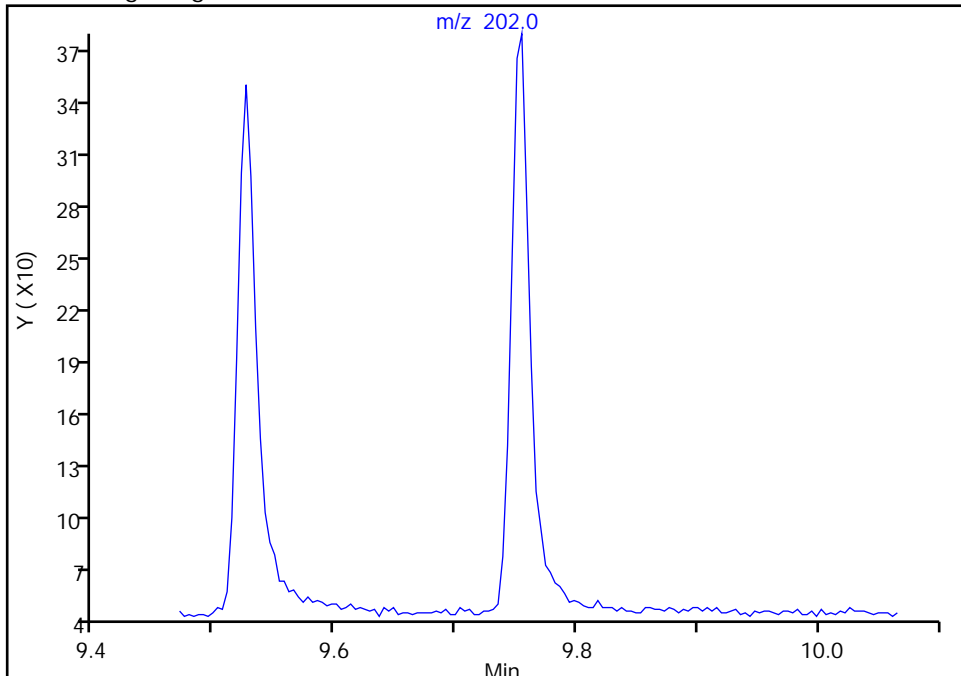
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Pyrene, CAS: 129-00-0

Signal: 1

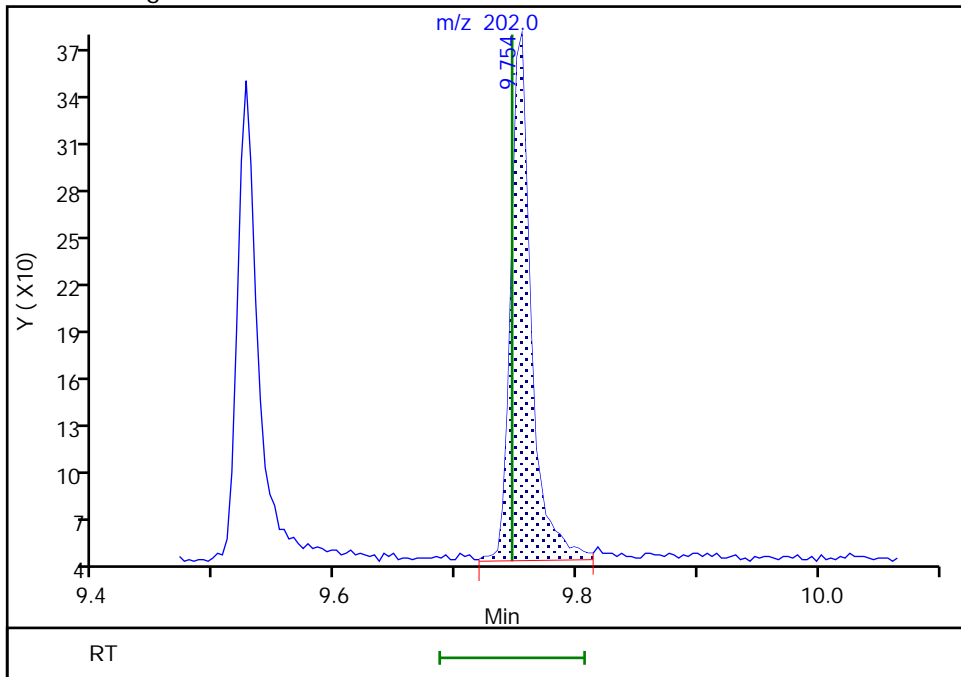
Not Detected
Expected RT: 9.75

Processing Integration Results



Manual Integration Results

RT: 9.75
Area: 386
Amount: 0.835702
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:23
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

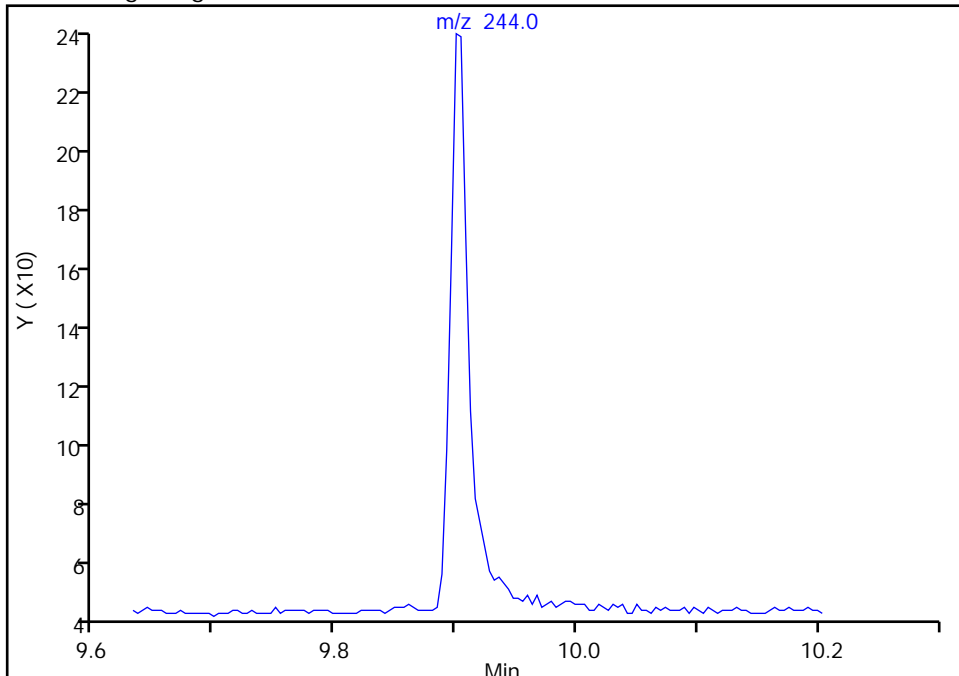
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 9 Terphenyl-d14, CAS: 1718-51-0

Signal: 1

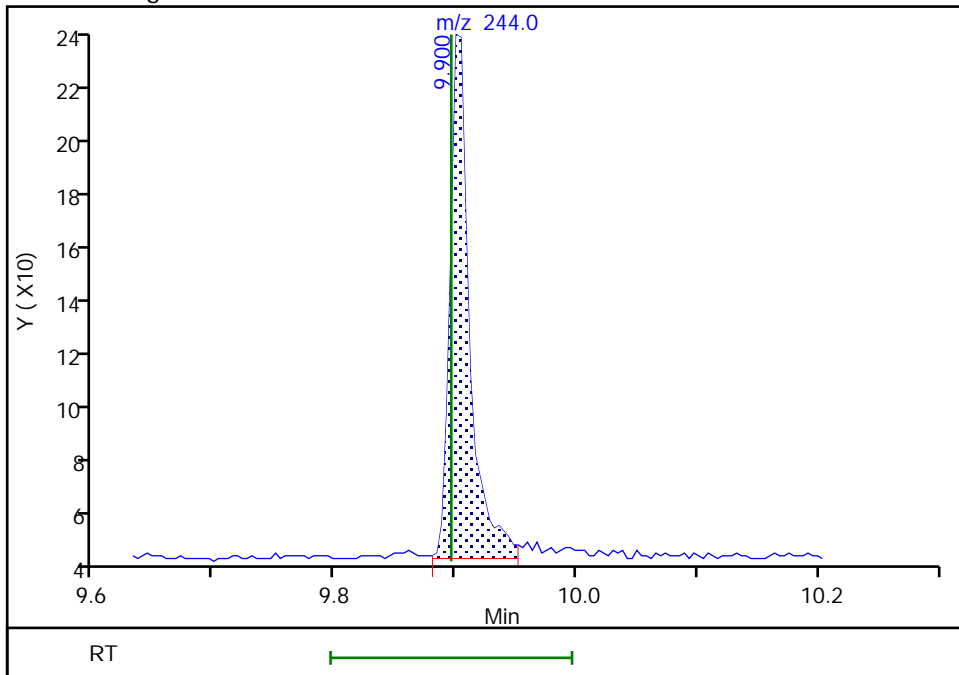
Not Detected
Expected RT: 9.90

Processing Integration Results



Manual Integration Results

RT: 9.90
Area: 216
Amount: 1.893703
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:13
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

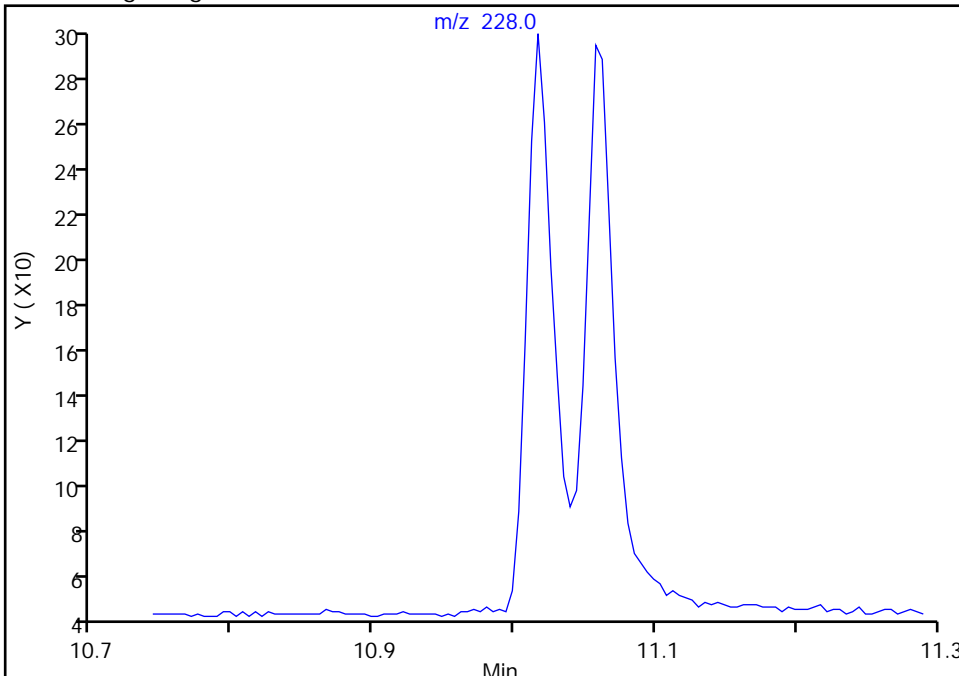
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

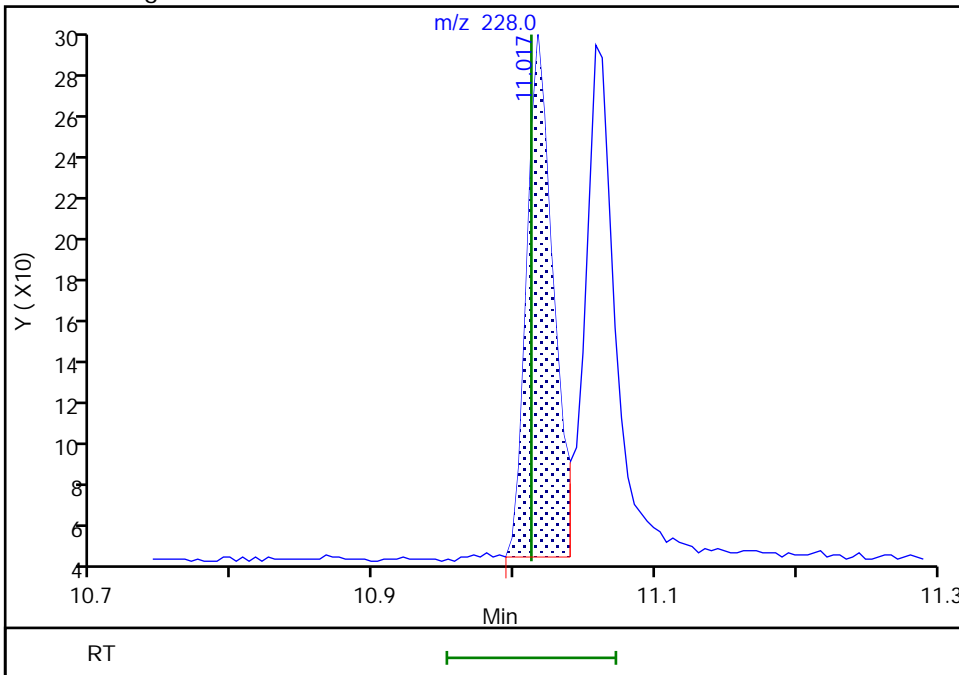
Not Detected
Expected RT: 11.01

Processing Integration Results



Manual Integration Results

RT: 11.02
Area: 316
Amount: 0.814772
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:31
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

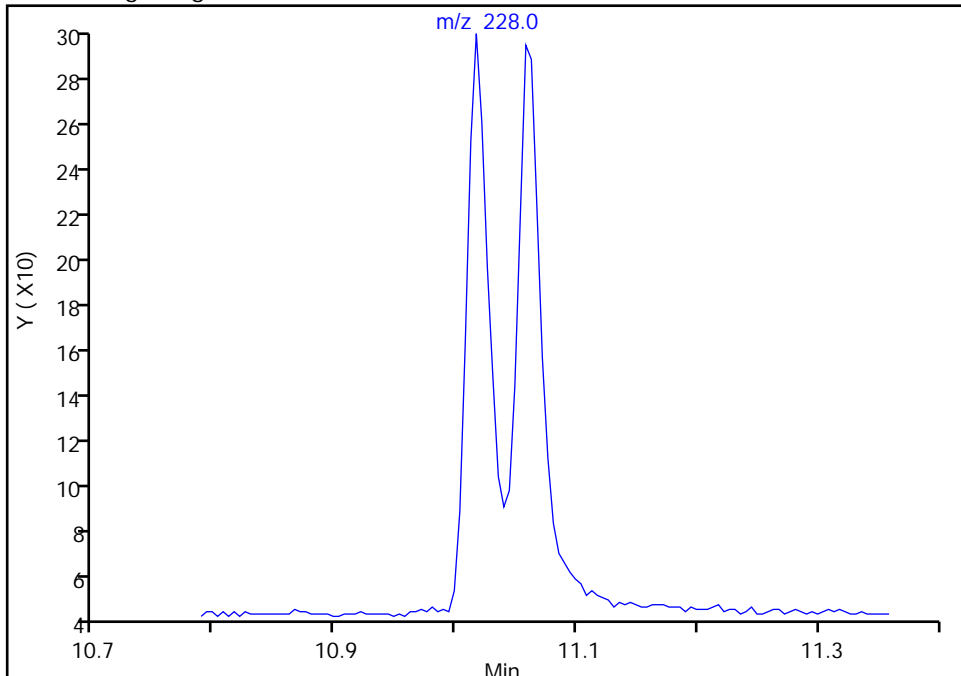
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Chrysene, CAS: 218-01-9

Signal: 1

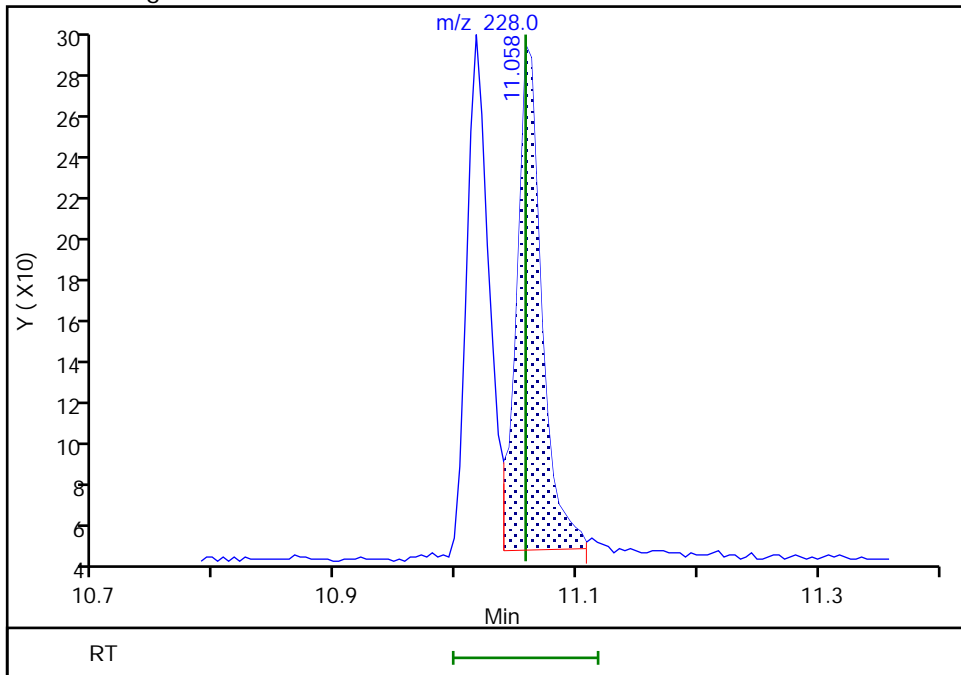
Not Detected
Expected RT: 11.06

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 341
Amount: 0.714780
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:38
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

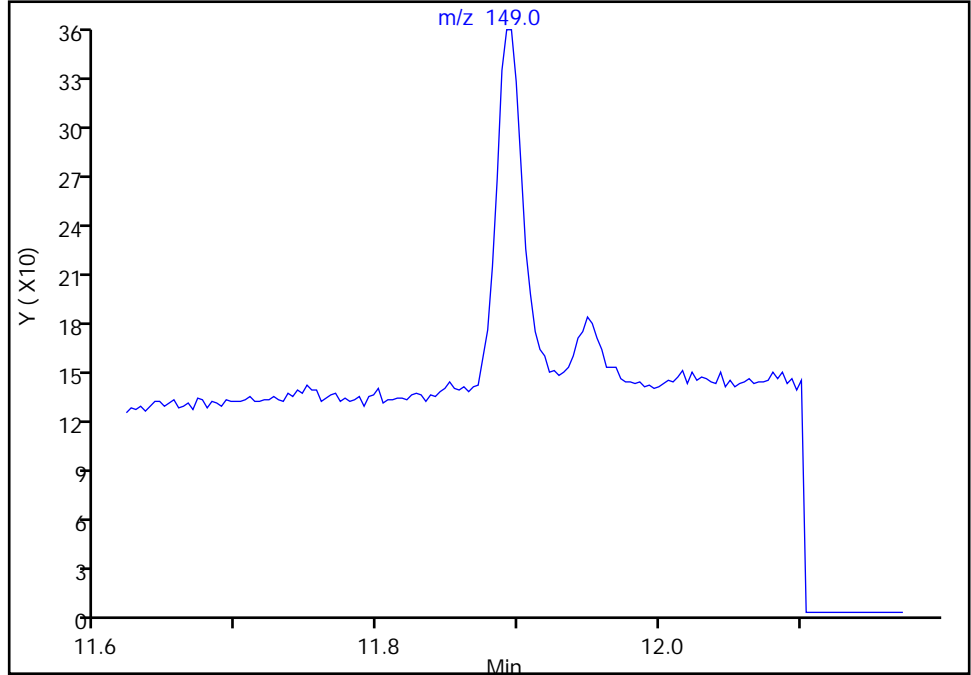
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

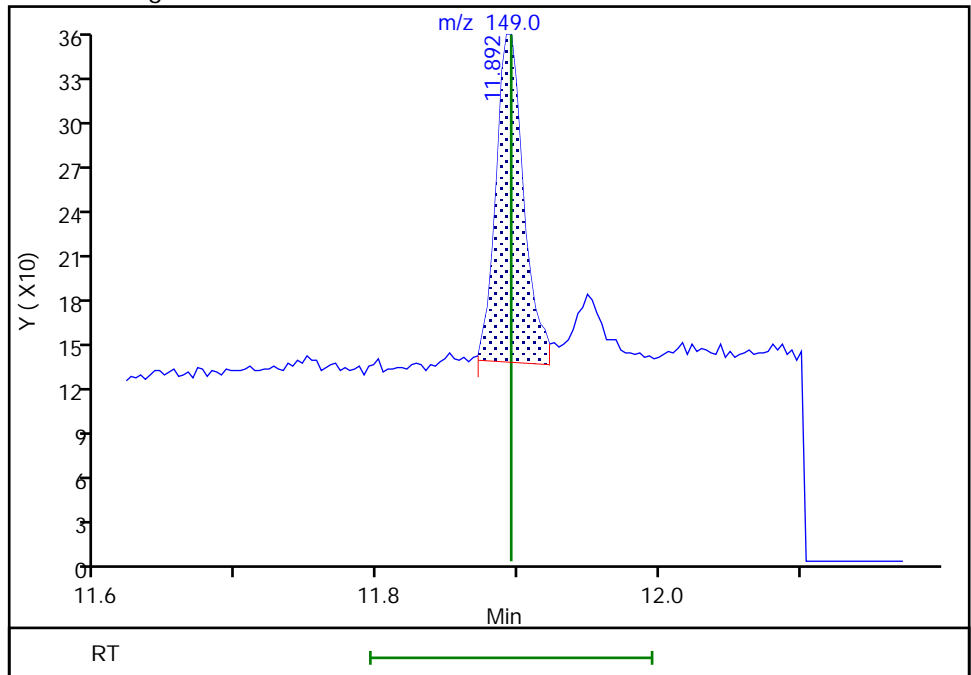
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 301
Amount: 1.019203
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:44
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

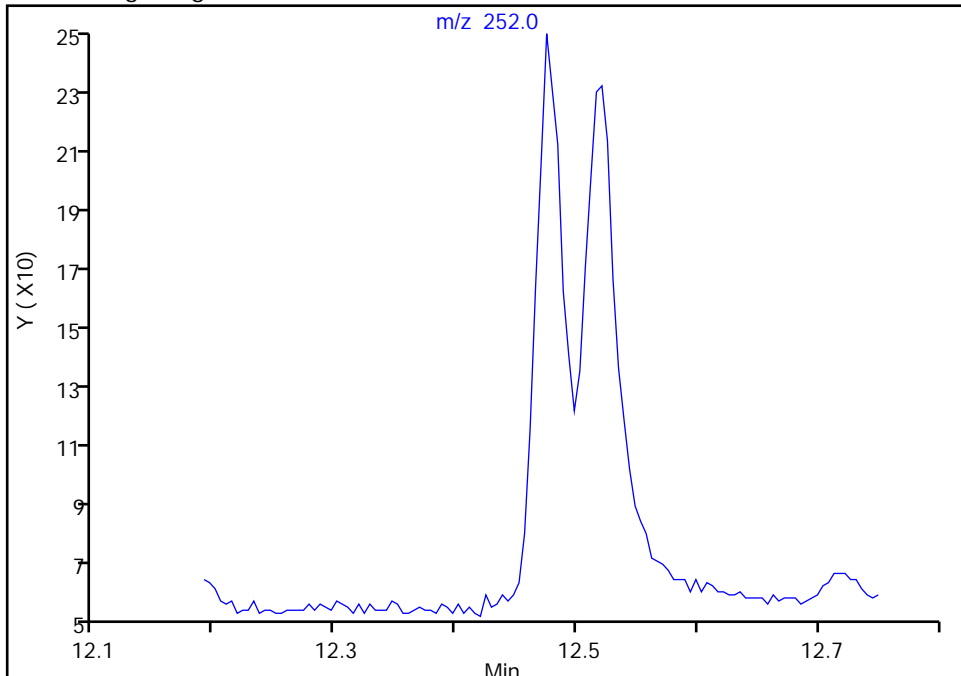
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

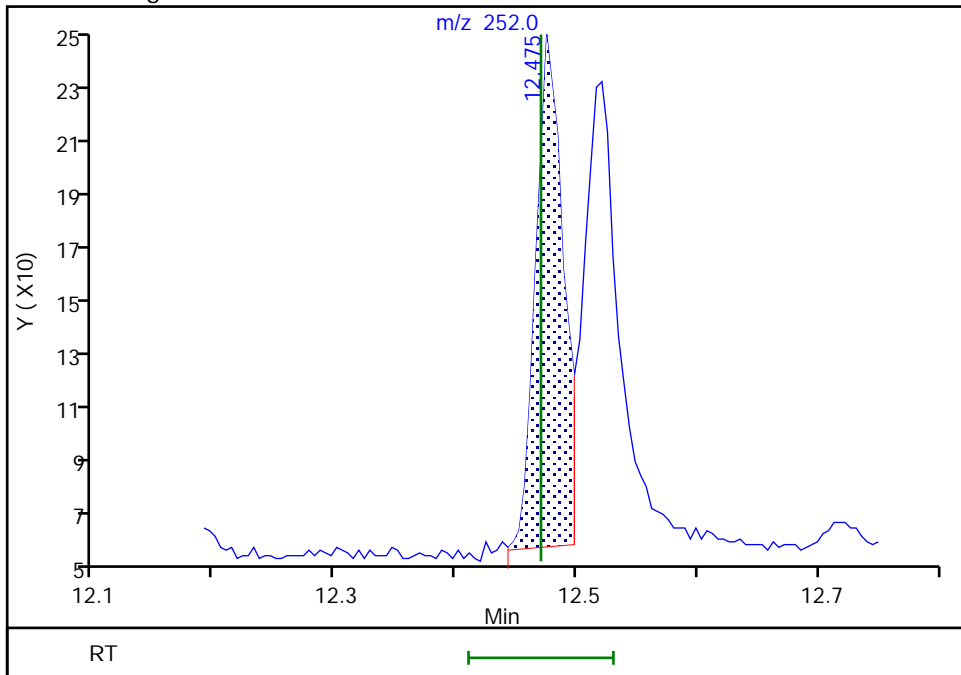
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 286
Amount: 0.994627
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:50
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

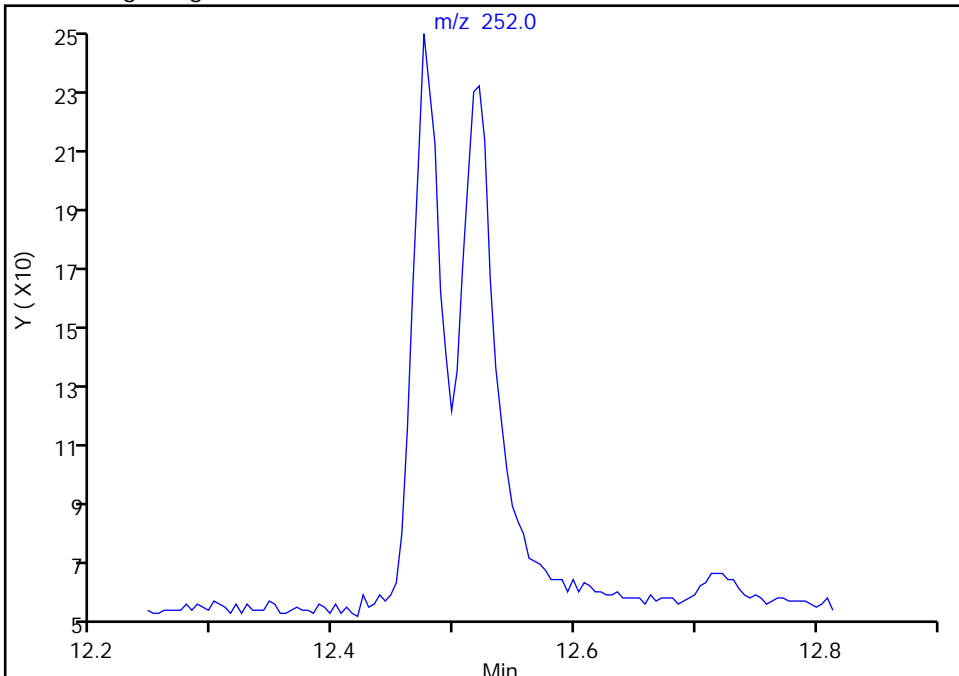
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

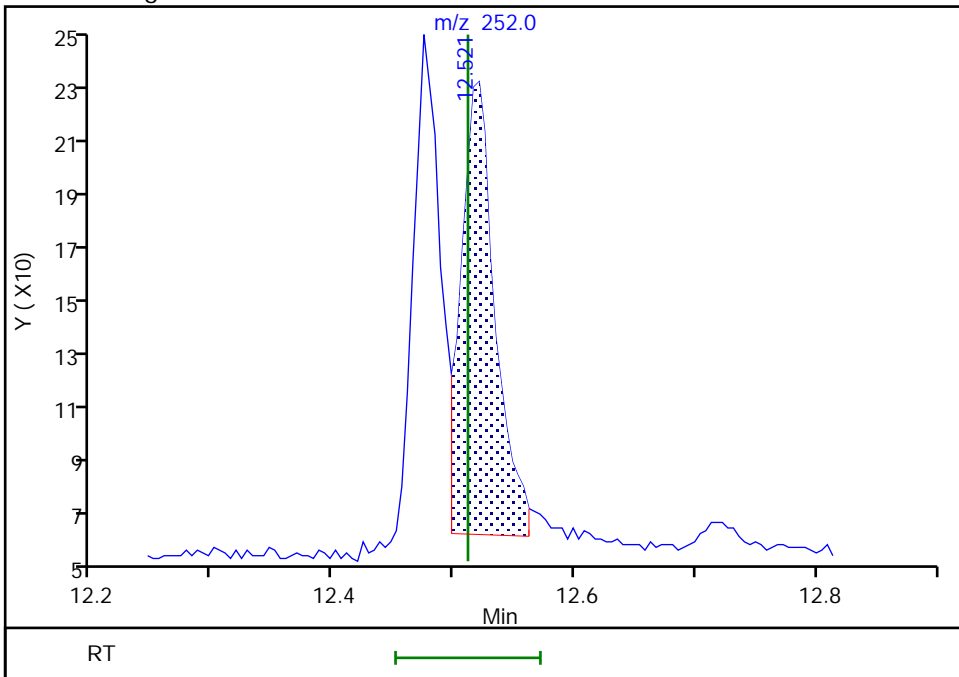
Not Detected
Expected RT: 12.51

Processing Integration Results



Manual Integration Results

RT: 12.52
Area: 313
Amount: 0.977507
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:55
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

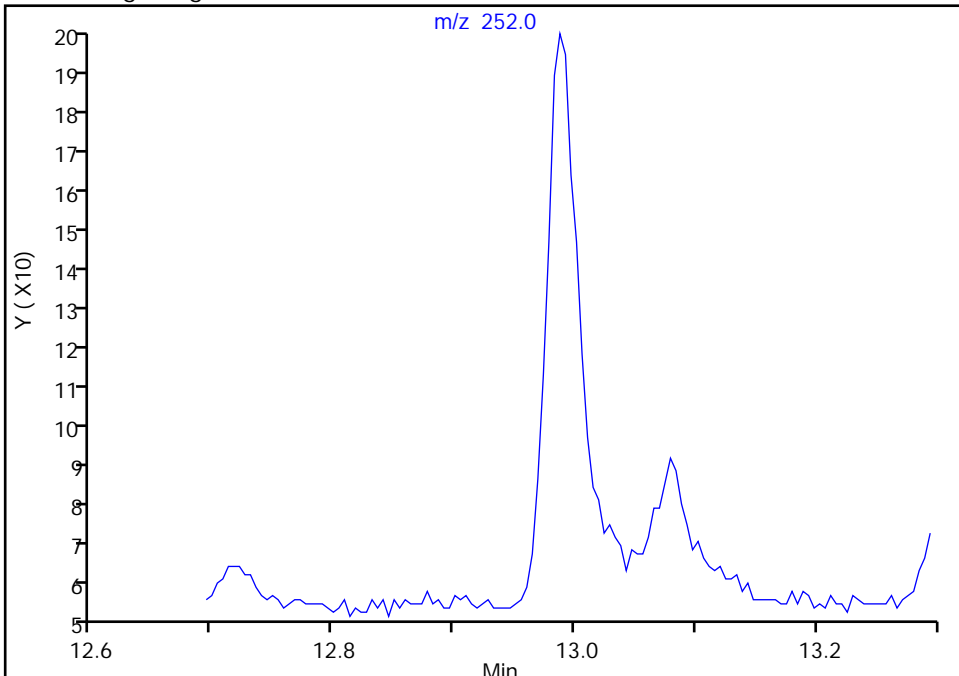
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

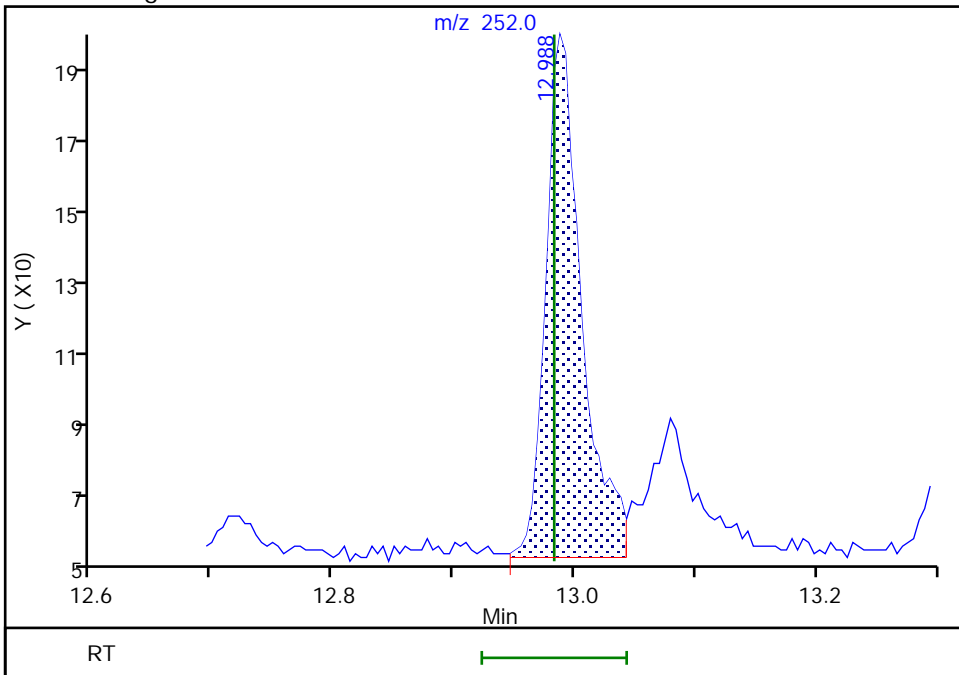
Not Detected
Expected RT: 12.98

Processing Integration Results



Manual Integration Results

RT: 12.99
Area: 285
Amount: 0.990717
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:39:04
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

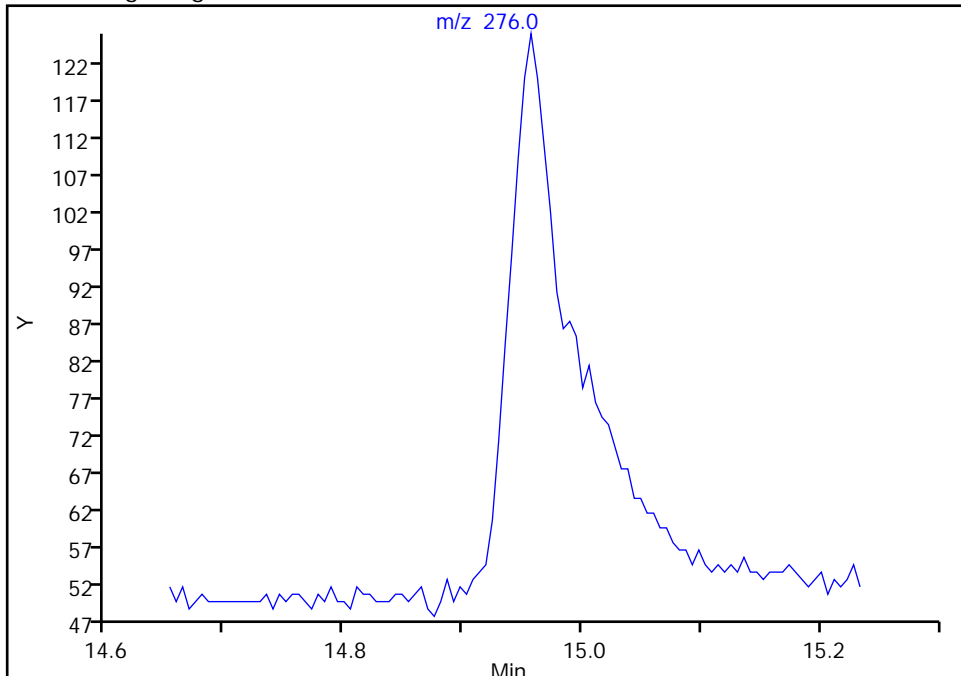
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

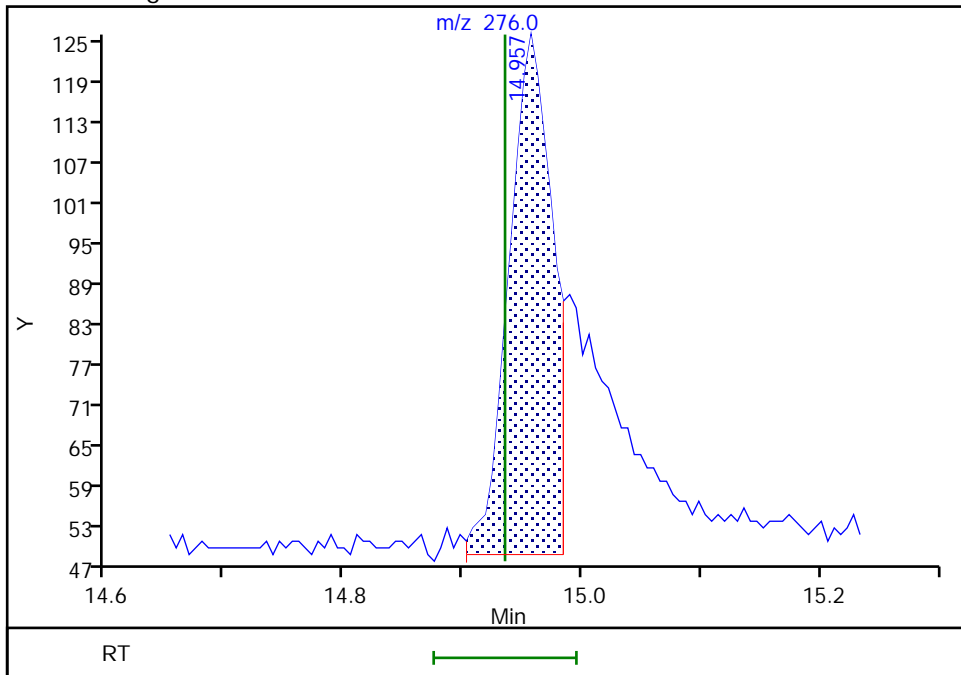
Not Detected
Expected RT: 14.93

Processing Integration Results



Manual Integration Results

RT: 14.96
Area: 194
Amount: 1.678006
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:39:14
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

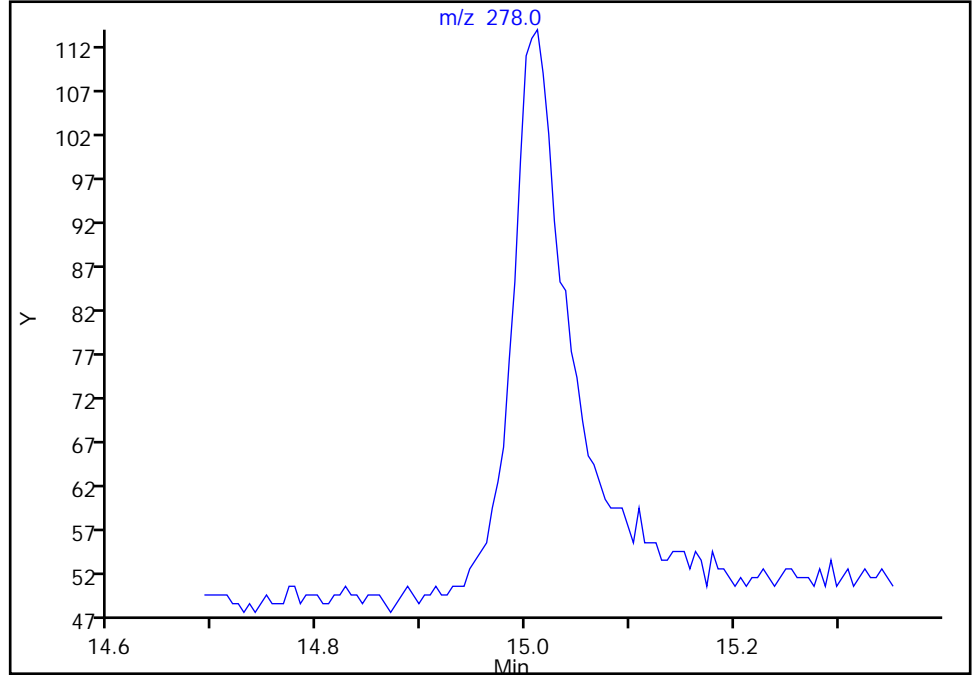
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

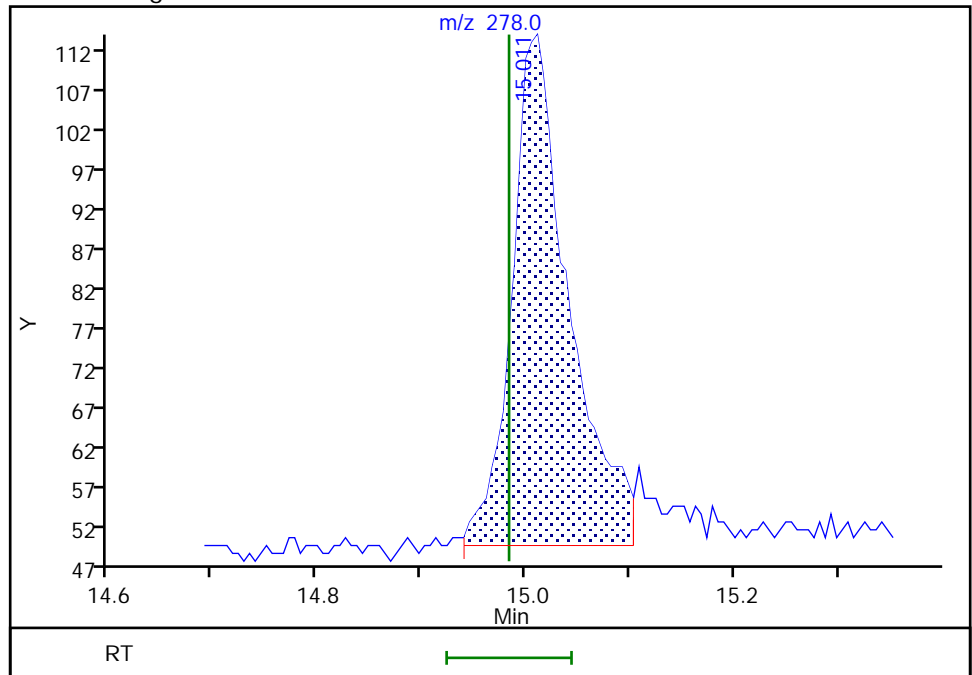
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 15.01
Area: 246
Amount: 1.010912
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:39:23
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

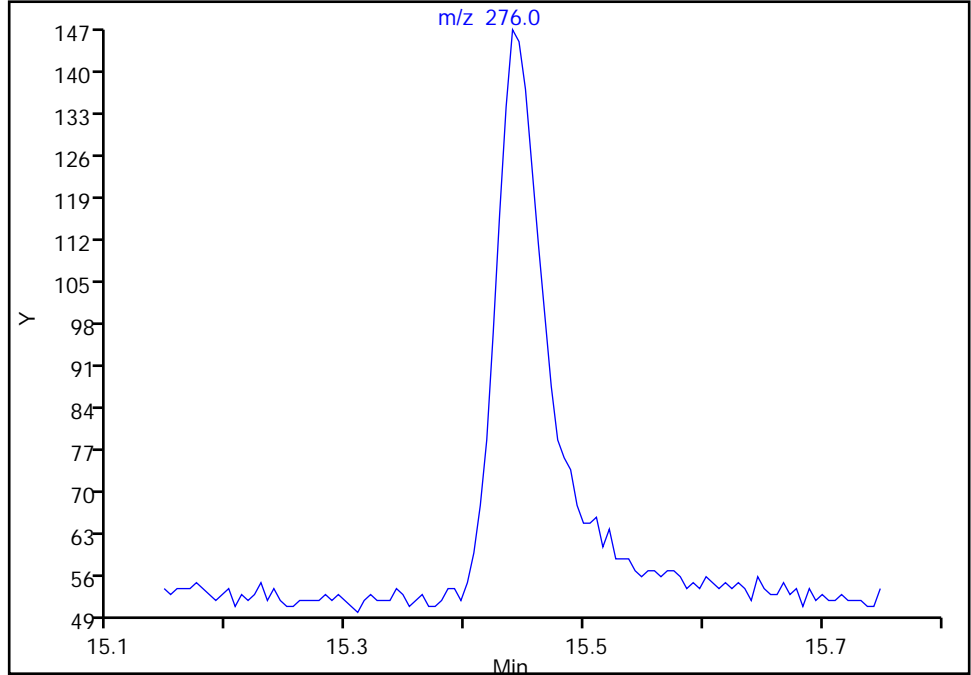
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

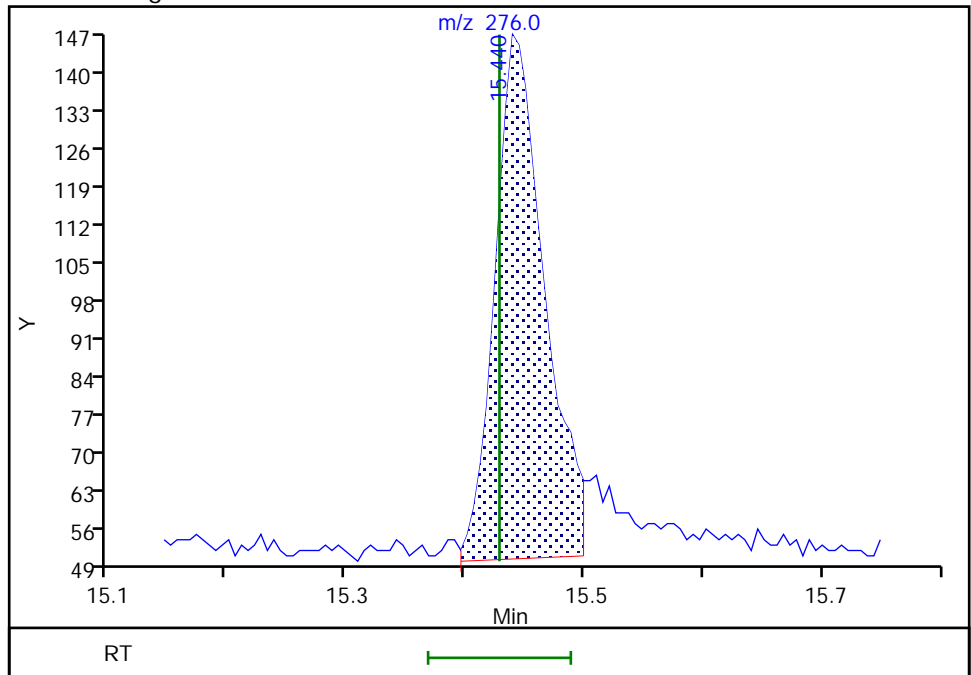
Not Detected
Expected RT: 15.43

Processing Integration Results



Manual Integration Results

RT: 15.44
Area: 281
Amount: 0.984422
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:39:32
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Calibration

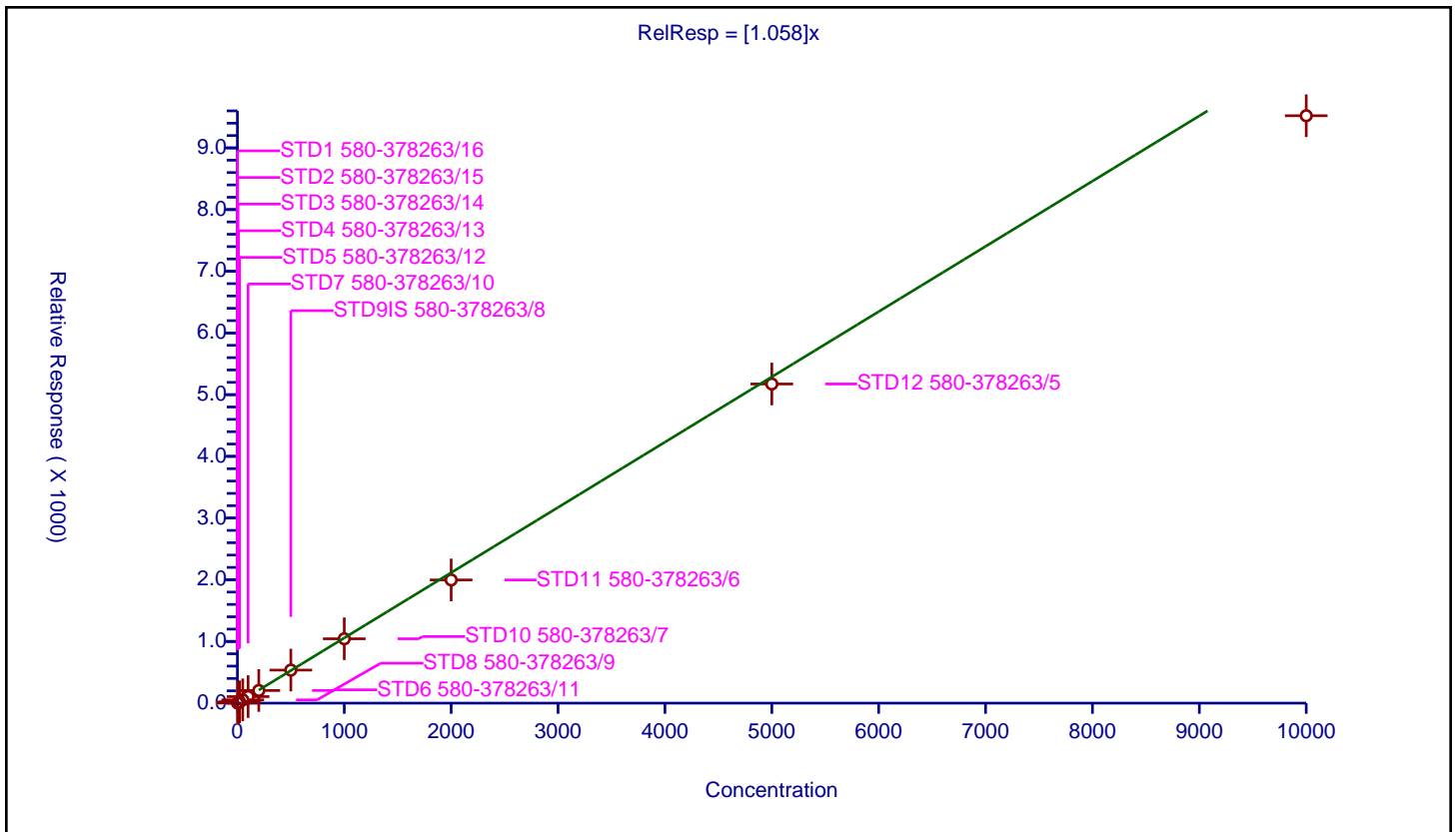
/ Naphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.058

Error Coefficients	
Standard Error:	776000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.234627	100.0	20735.0	1.234627	N
2	STD2 580-378263/15	2.0	2.366313	100.0	21468.0	1.183156	Y
3	STD3 580-378263/14	5.0	5.520449	100.0	22788.0	1.10409	Y
4	STD4 580-378263/13	10.0	10.790345	100.0	21130.0	1.079035	Y
5	STD5 580-378263/12	20.0	21.69931	100.0	21291.0	1.084965	Y
6	STD6 580-378263/11	50.0	52.857677	100.0	21416.0	1.057154	Y
7	STD7 580-378263/10	100.0	105.88261	100.0	22864.0	1.058826	Y
8	STD8 580-378263/9	200.0	205.02246	100.0	25824.0	1.025112	Y
9	STD9IS 580-378263/8	500.0	535.471953	100.0	22195.0	1.070944	Y
10	STD10 580-378263/7	1000.0	1043.259661	100.0	23211.0	1.04326	Y
11	STD11 580-378263/6	2000.0	1996.965844	100.0	22807.0	0.998483	Y
12	STD12 580-378263/5	5000.0	5173.262203	100.0	21838.0	1.034652	Y
13	STD13 580-378263/4	10000.0	9521.454393	100.0	23790.0	0.952145	Y



Calibration

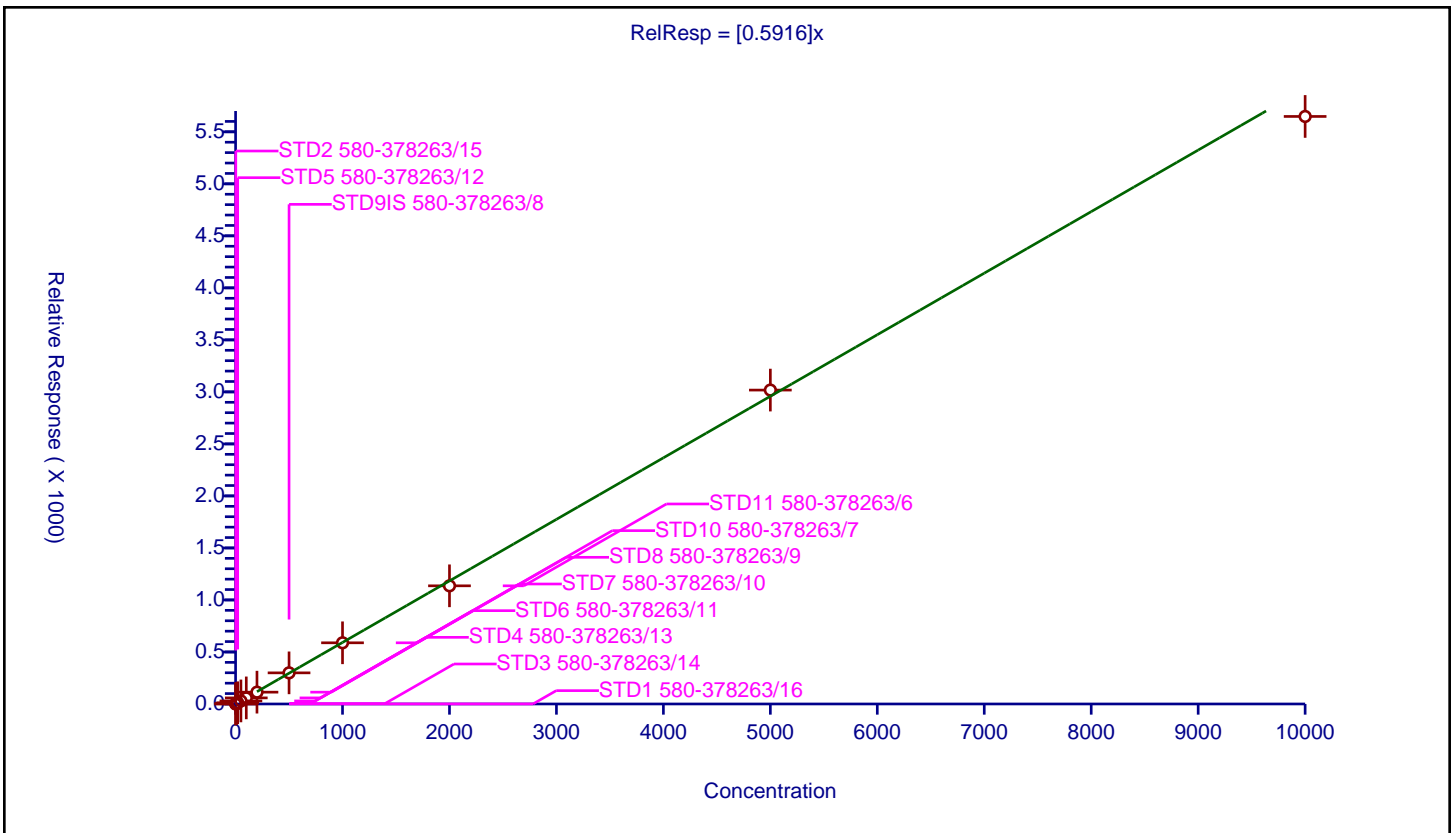
/ 2-methylnaphthalene-d10

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5916

Error Coefficients	
Standard Error:	439000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	0.588377	100.0	20735.0	0.588377	Y
2	STD2 580-378263/15	2.0	1.318241	100.0	21468.0	0.659121	Y
3	STD3 580-378263/14	5.0	2.957697	100.0	22788.0	0.591539	Y
4	STD4 580-378263/13	10.0	5.911027	100.0	21130.0	0.591103	Y
5	STD5 580-378263/12	20.0	11.897046	100.0	21291.0	0.594852	Y
6	STD6 580-378263/11	50.0	29.407919	100.0	21416.0	0.588158	Y
7	STD7 580-378263/10	100.0	58.620539	100.0	22864.0	0.586205	Y
8	STD8 580-378263/9	200.0	113.665582	100.0	25824.0	0.568328	Y
9	STD9IS 580-378263/8	500.0	299.378238	100.0	22195.0	0.598756	Y
10	STD10 580-378263/7	1000.0	588.040153	100.0	23211.0	0.58804	Y
11	STD11 580-378263/6	2000.0	1136.067874	100.0	22807.0	0.568034	Y
12	STD12 580-378263/5	5000.0	3017.377965	100.0	21838.0	0.603476	Y
13	STD13 580-378263/4	10000.0	5647.595628	100.0	23790.0	0.56476	Y



Calibration

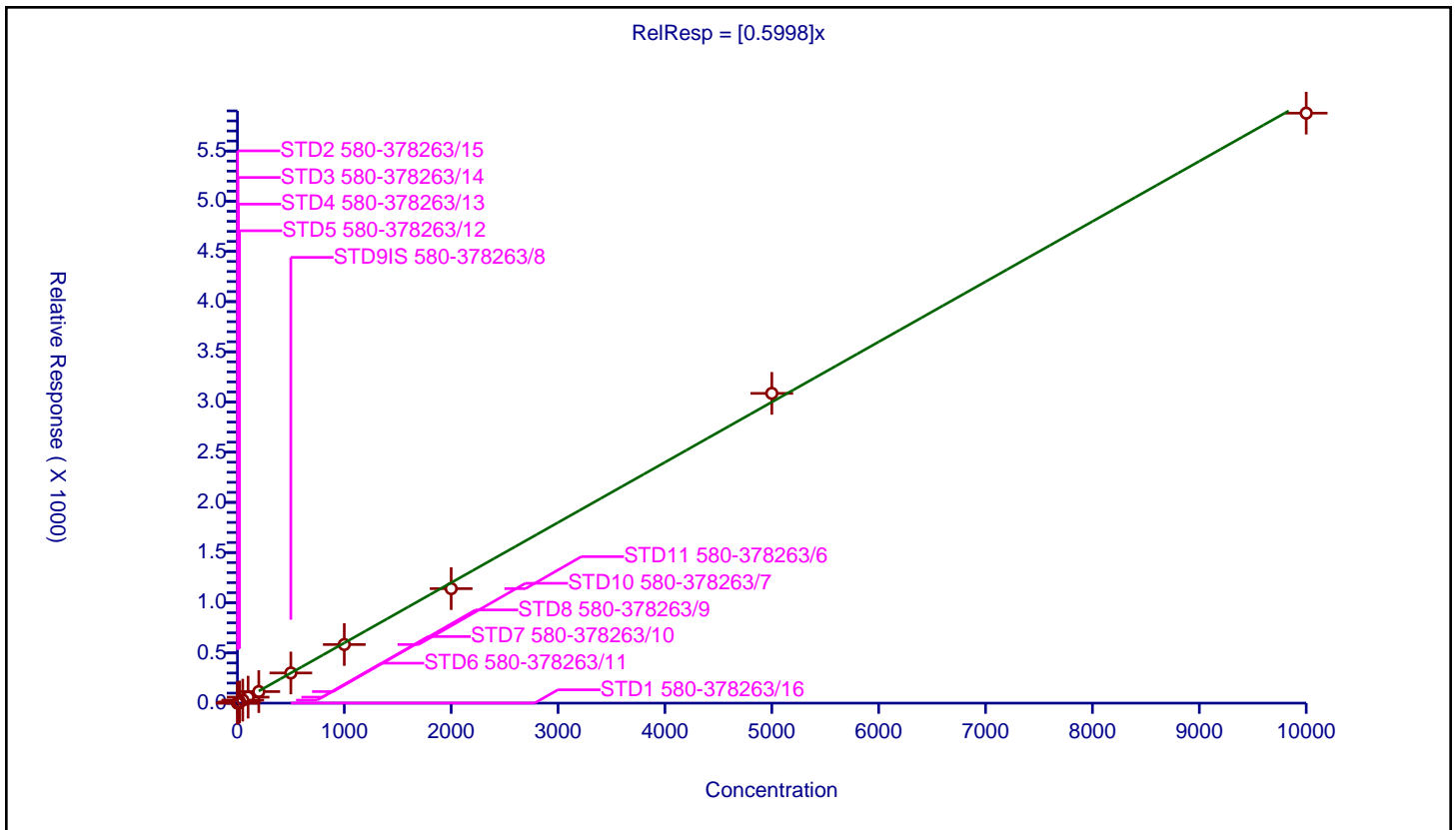
/ 2-Methylnaphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5998

Error Coefficients	
Standard Error:	455000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	0.588377	100.0	20735.0	0.588377	Y
2	STD2 580-378263/15	2.0	1.313583	100.0	21468.0	0.656792	Y
3	STD3 580-378263/14	5.0	3.080569	100.0	22788.0	0.616114	Y
4	STD4 580-378263/13	10.0	6.029342	100.0	21130.0	0.602934	Y
5	STD5 580-378263/12	20.0	12.108403	100.0	21291.0	0.60542	Y
6	STD6 580-378263/11	50.0	29.916885	100.0	21416.0	0.598338	Y
7	STD7 580-378263/10	100.0	59.490903	100.0	22864.0	0.594909	Y
8	STD8 580-378263/9	200.0	114.935719	100.0	25824.0	0.574679	Y
9	STD9IS 580-378263/8	500.0	300.567695	100.0	22195.0	0.601135	Y
10	STD10 580-378263/7	1000.0	583.904183	100.0	23211.0	0.583904	Y
11	STD11 580-378263/6	2000.0	1140.434954	100.0	22807.0	0.570217	Y
12	STD12 580-378263/5	5000.0	3085.928199	100.0	21838.0	0.617186	Y
13	STD13 580-378263/4	10000.0	5877.435897	100.0	23790.0	0.587744	Y



Calibration

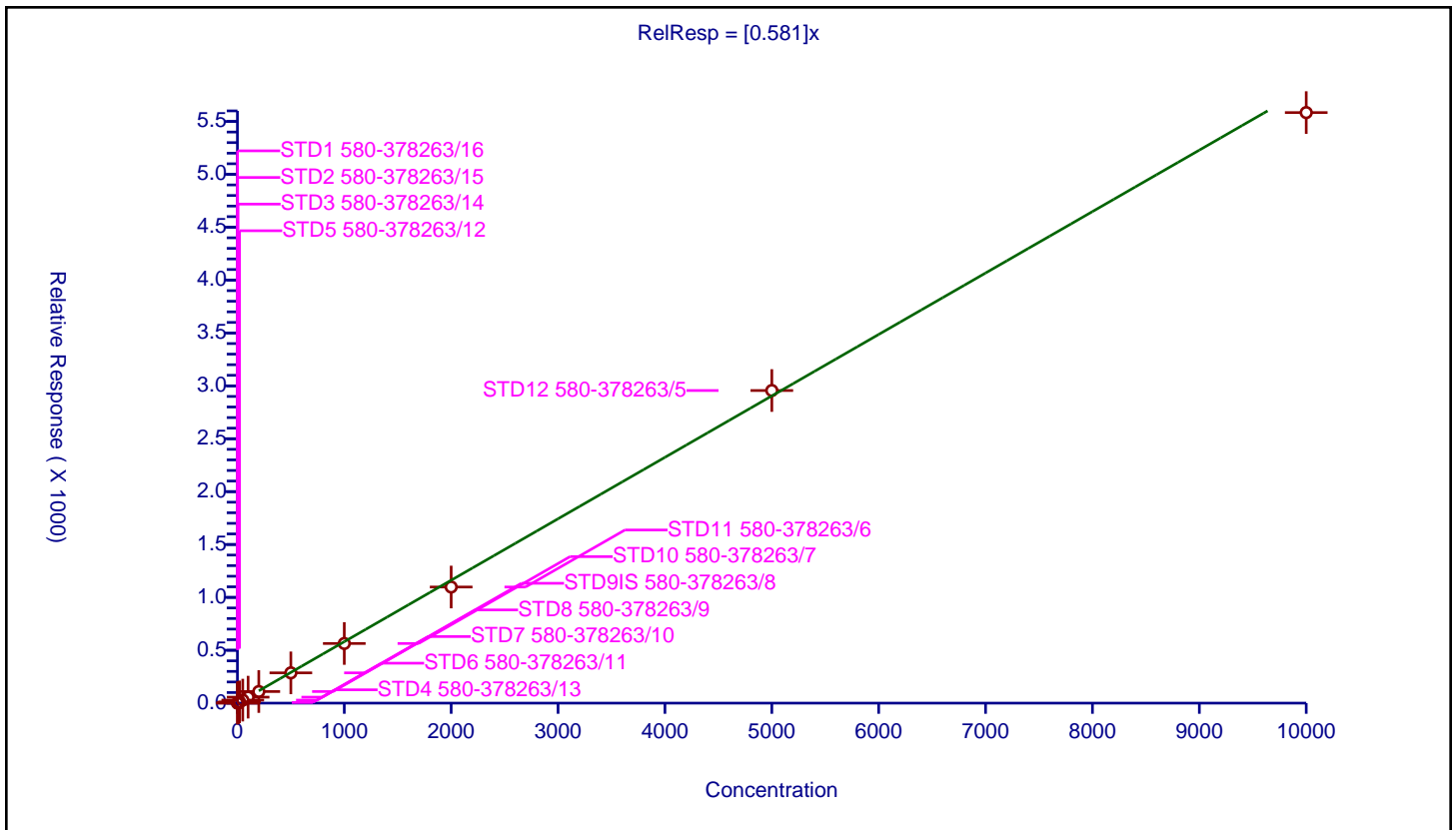
/ 1-Methylnaphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.581

Error Coefficients	
Standard Error:	433000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	0.641428	100.0	20735.0	0.641428	Y
2	STD2 580-378263/15	2.0	1.276318	100.0	21468.0	0.638159	Y
3	STD3 580-378263/14	5.0	2.944532	100.0	22788.0	0.588906	Y
4	STD4 580-378263/13	10.0	5.792712	100.0	21130.0	0.579271	Y
5	STD5 580-378263/12	20.0	11.699779	100.0	21291.0	0.584989	Y
6	STD6 580-378263/11	50.0	28.576765	100.0	21416.0	0.571535	Y
7	STD7 580-378263/10	100.0	56.604269	100.0	22864.0	0.566043	Y
8	STD8 580-378263/9	200.0	109.576363	100.0	25824.0	0.547882	Y
9	STD9IS 580-378263/8	500.0	286.222122	100.0	22195.0	0.572444	Y
10	STD10 580-378263/7	1000.0	563.879195	100.0	23211.0	0.563879	Y
11	STD11 580-378263/6	2000.0	1097.803306	100.0	22807.0	0.548902	Y
12	STD12 580-378263/5	5000.0	2955.865922	100.0	21838.0	0.591173	Y
13	STD13 580-378263/4	10000.0	5583.917612	100.0	23790.0	0.558392	Y



Calibration

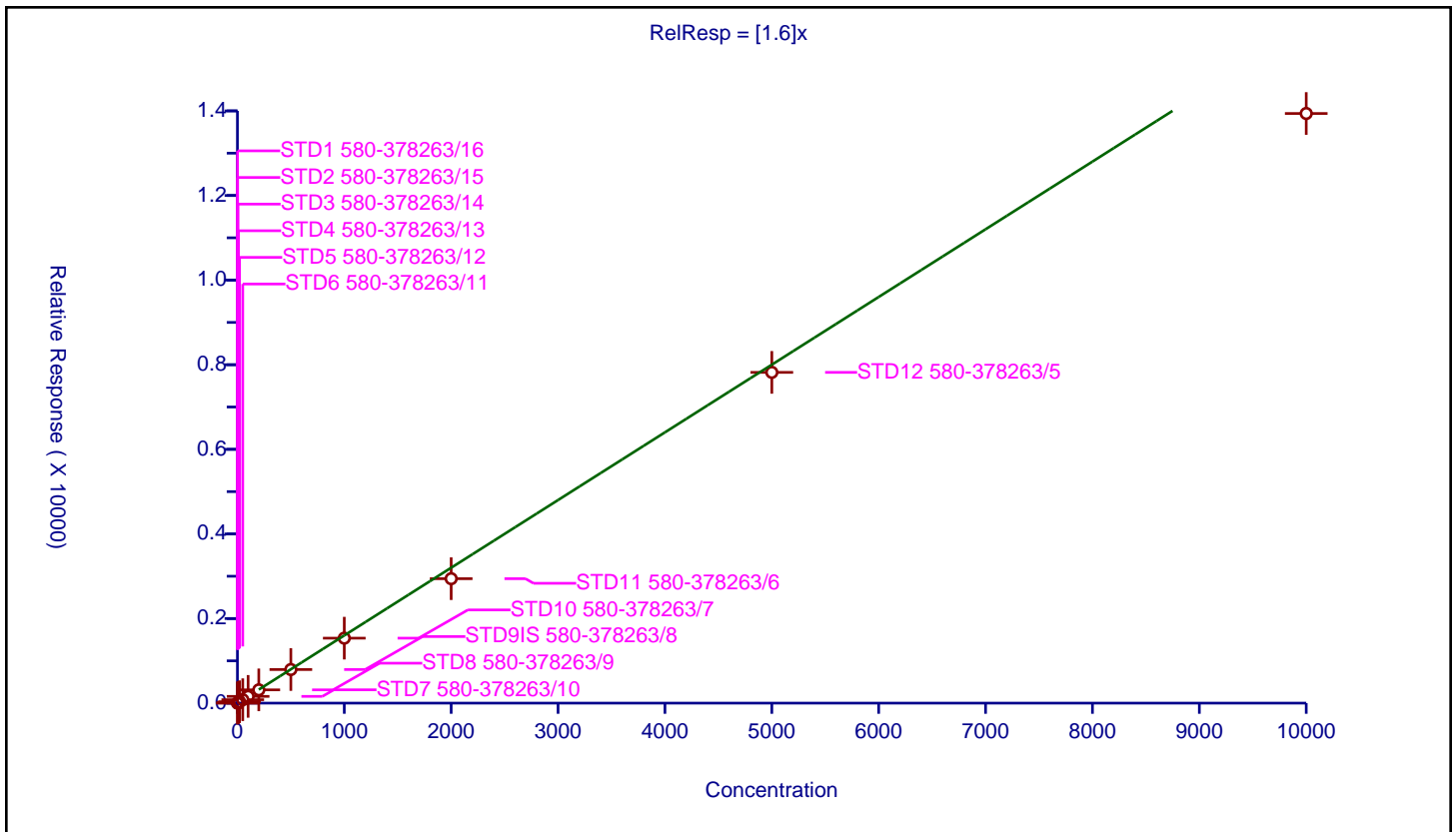
/ 2-Fluorobiphenyl

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.6

Error Coefficients	
Standard Error:	559000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.719387	100.0	9073.0	1.719387	Y
2	STD2 580-378263/15	2.0	3.531266	100.0	9515.0	1.765633	Y
3	STD3 580-378263/14	5.0	8.434568	100.0	10125.0	1.686914	Y
4	STD4 580-378263/13	10.0	16.449391	100.0	9435.0	1.644939	Y
5	STD5 580-378263/12	20.0	32.924165	100.0	9613.0	1.646208	Y
6	STD6 580-378263/11	50.0	81.025958	100.0	9708.0	1.620519	Y
7	STD7 580-378263/10	100.0	159.729548	100.0	10427.0	1.597295	Y
8	STD8 580-378263/9	200.0	313.696299	100.0	11755.0	1.568481	Y
9	STD9IS 580-378263/8	500.0	794.071491	100.0	10323.0	1.588143	Y
10	STD10 580-378263/7	1000.0	1536.206583	100.0	10998.0	1.536207	Y
11	STD11 580-378263/6	2000.0	2942.006927	100.0	10972.0	1.471003	Y
12	STD12 580-378263/5	5000.0	7818.631609	100.0	10611.0	1.563726	Y
13	STD13 580-378263/4	10000.0	13938.568092	100.0	12417.0	1.393857	Y



Calibration

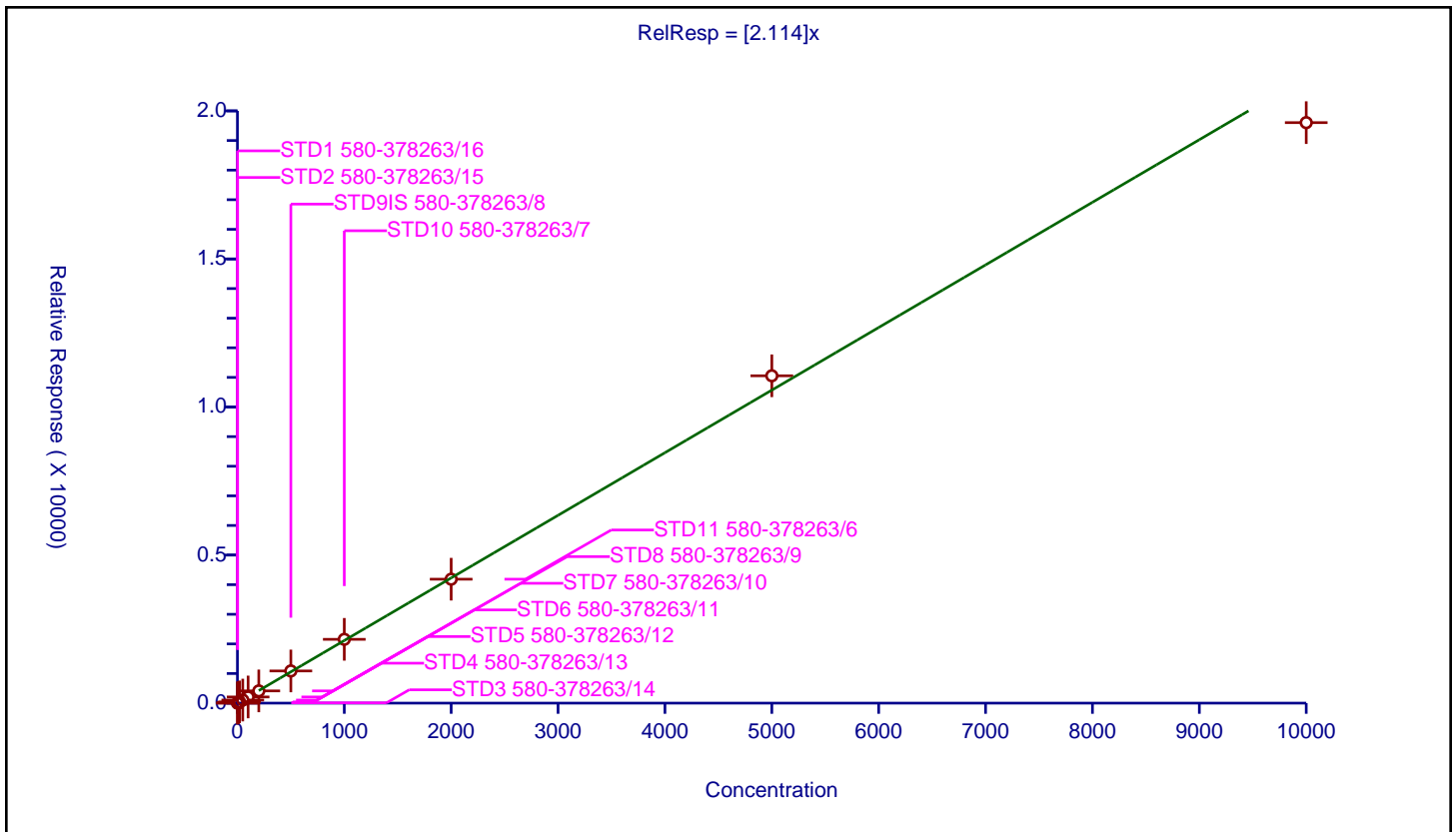
/ Acenaphthylene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.114

Error Coefficients	
Standard Error:	788000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.193321	100.0	9073.0	2.193321	Y
2	STD2 580-378263/15	2.0	4.435102	100.0	9515.0	2.217551	Y
3	STD3 580-378263/14	5.0	10.498765	100.0	10125.0	2.099753	Y
4	STD4 580-378263/13	10.0	20.63593	100.0	9435.0	2.063593	Y
5	STD5 580-378263/12	20.0	41.620722	100.0	9613.0	2.081036	Y
6	STD6 580-378263/11	50.0	104.233622	100.0	9708.0	2.084672	Y
7	STD7 580-378263/10	100.0	208.593076	100.0	10427.0	2.085931	Y
8	STD8 580-378263/9	200.0	412.930668	100.0	11755.0	2.064653	Y
9	STD9IS 580-378263/8	500.0	1087.135523	100.0	10323.0	2.174271	Y
10	STD10 580-378263/7	1000.0	2155.00909	100.0	10998.0	2.155001	Y
11	STD11 580-378263/6	2000.0	4185.435654	100.0	10972.0	2.092718	Y
12	STD12 580-378263/5	5000.0	11054.688531	100.0	10611.0	2.210938	Y
13	STD13 580-378263/4	10000.0	19603.511315	100.0	12417.0	1.960351	Y



Calibration

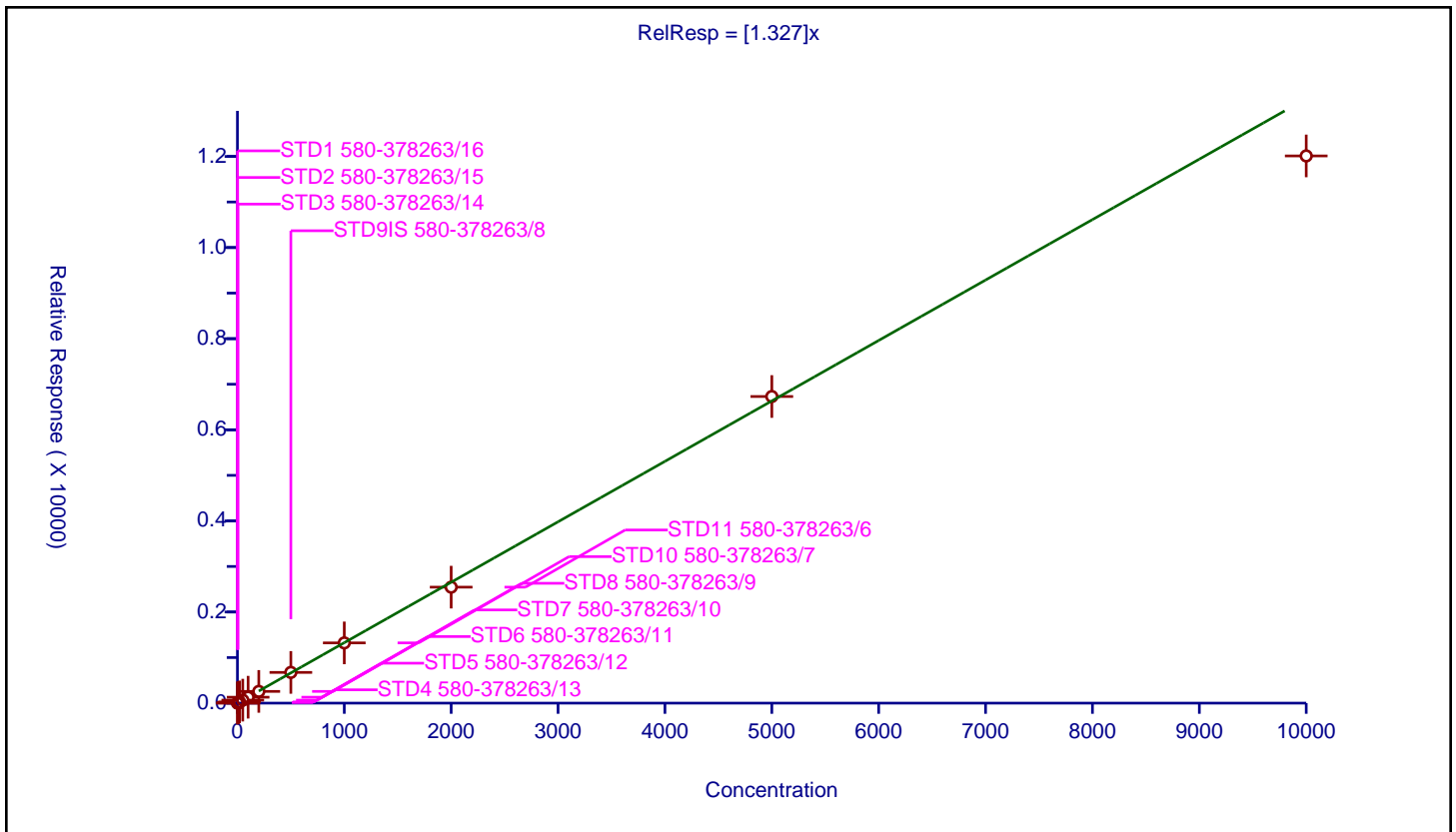
/ Acenaphthene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.327

Error Coefficients	
Standard Error:	482000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.377714	100.0	9073.0	1.377714	Y
2	STD2 580-378263/15	2.0	2.974251	100.0	9515.0	1.487126	Y
3	STD3 580-378263/14	5.0	6.735802	100.0	10125.0	1.34716	Y
4	STD4 580-378263/13	10.0	13.227345	100.0	9435.0	1.322734	Y
5	STD5 580-378263/12	20.0	26.516176	100.0	9613.0	1.325809	Y
6	STD6 580-378263/11	50.0	65.471776	100.0	9708.0	1.309436	Y
7	STD7 580-378263/10	100.0	129.941498	100.0	10427.0	1.299415	Y
8	STD8 580-378263/9	200.0	257.337303	100.0	11755.0	1.286687	Y
9	STD9IS 580-378263/8	500.0	674.610094	100.0	10323.0	1.34922	Y
10	STD10 580-378263/7	1000.0	1322.076741	100.0	10998.0	1.322077	Y
11	STD11 580-378263/6	2000.0	2545.743711	100.0	10972.0	1.272872	Y
12	STD12 580-378263/5	5000.0	6730.524927	100.0	10611.0	1.346105	Y
13	STD13 580-378263/4	10000.0	12011.524523	100.0	12417.0	1.201152	Y



Calibration

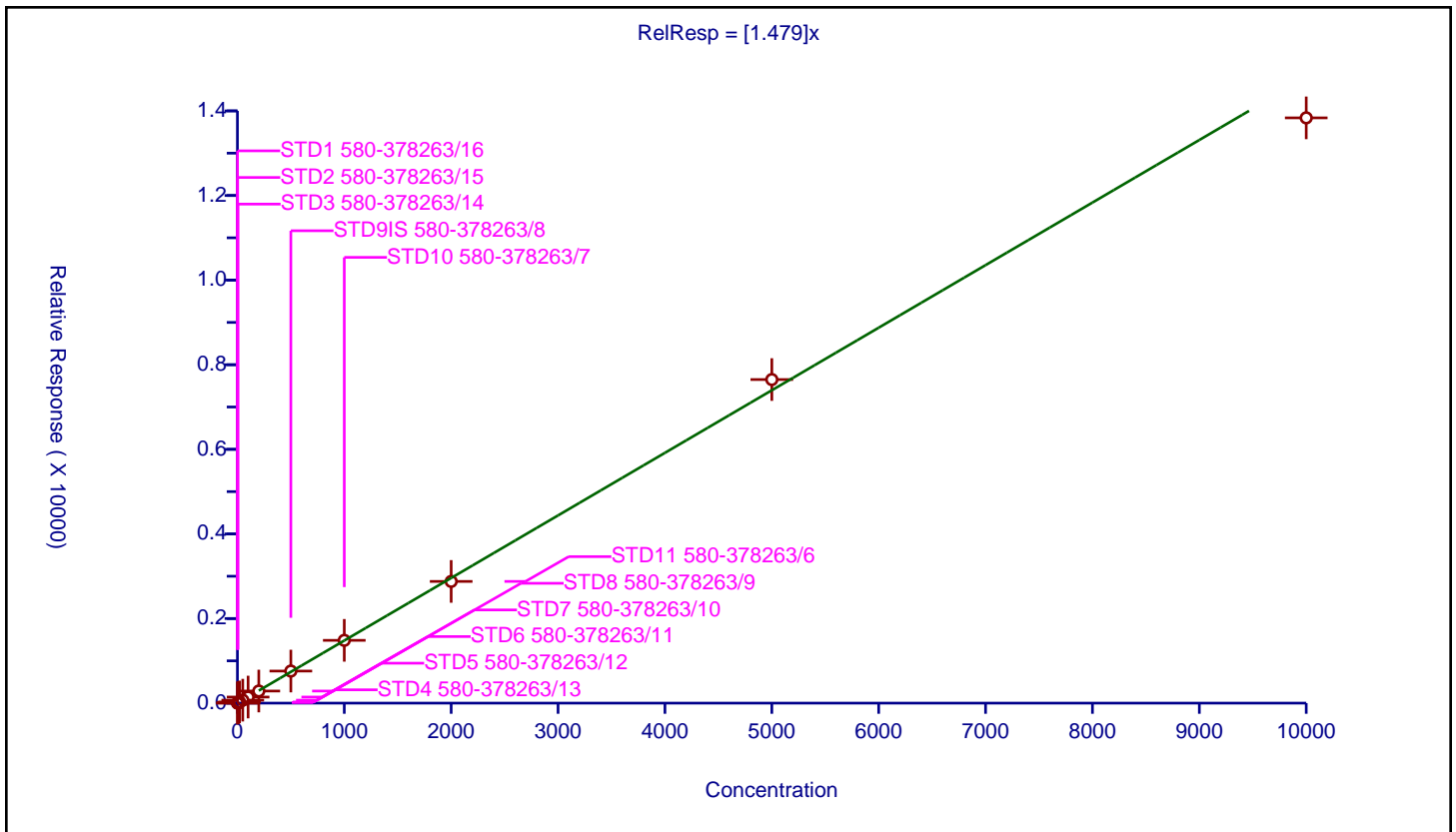
/ Fluorene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.479

Error Coefficients	
Standard Error:	554000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.631213	100.0	9073.0	1.631213	Y
2	STD2 580-378263/15	2.0	3.321072	100.0	9515.0	1.660536	Y
3	STD3 580-378263/14	5.0	7.525926	100.0	10125.0	1.505185	Y
4	STD4 580-378263/13	10.0	14.255432	100.0	9435.0	1.425543	Y
5	STD5 580-378263/12	20.0	27.639655	100.0	9613.0	1.381983	Y
6	STD6 580-378263/11	50.0	70.00412	100.0	9708.0	1.400082	Y
7	STD7 580-378263/10	100.0	144.020332	100.0	10427.0	1.440203	Y
8	STD8 580-378263/9	200.0	286.312208	100.0	11755.0	1.431561	Y
9	STD9IS 580-378263/8	500.0	758.200136	100.0	10323.0	1.5164	Y
10	STD10 580-378263/7	1000.0	1483.987998	100.0	10998.0	1.483988	Y
11	STD11 580-378263/6	2000.0	2876.950419	100.0	10972.0	1.438475	Y
12	STD12 580-378263/5	5000.0	7648.949204	100.0	10611.0	1.52979	Y
13	STD13 580-378263/4	10000.0	13835.298381	100.0	12417.0	1.38353	Y



Calibration

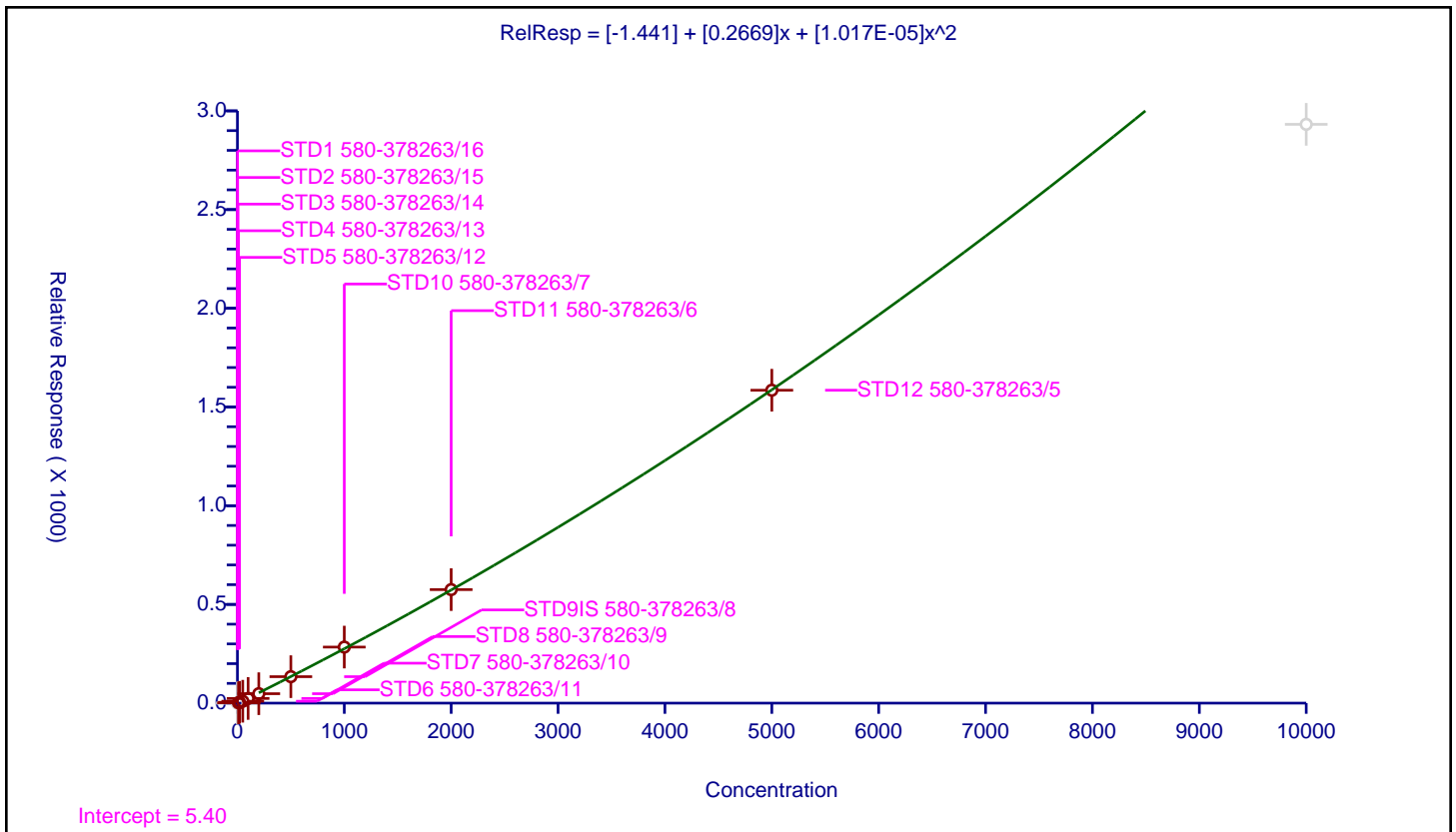
/ 2,4,6-Tribromophenol

Curve Type: Quadratic
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-1.441
Slope:	0.2669
Second Order:	1.017E-05

Error Coefficients	
Standard Error:	74000
Relative Standard Error:	13.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	0.0	100.0	9073.0	0.0	N
2	STD2 580-378263/15	2.0	0.599054	100.0	9515.0	0.299527	N
3	STD3 580-378263/14	5.0	1.116049	100.0	10125.0	0.22321	N
4	STD4 580-378263/13	10.0	1.886592	100.0	9435.0	0.188659	Y
5	STD5 580-378263/12	20.0	4.119422	100.0	9613.0	0.205971	Y
6	STD6 580-378263/11	50.0	9.693037	100.0	9708.0	0.193861	Y
7	STD7 580-378263/10	100.0	23.611777	100.0	10427.0	0.236118	Y
8	STD8 580-378263/9	200.0	47.834964	100.0	11755.0	0.239175	Y
9	STD9IS 580-378263/8	500.0	134.030805	100.0	10323.0	0.268062	Y
10	STD10 580-378263/7	1000.0	283.869795	100.0	10998.0	0.28387	Y
11	STD11 580-378263/6	2000.0	575.009114	100.0	10972.0	0.287505	Y
12	STD12 580-378263/5	5000.0	1585.081519	100.0	10611.0	0.317016	Y
13	STD13 580-378263/4	10000.0	2931.851494	100.0	12417.0	0.293185	N



Calibration

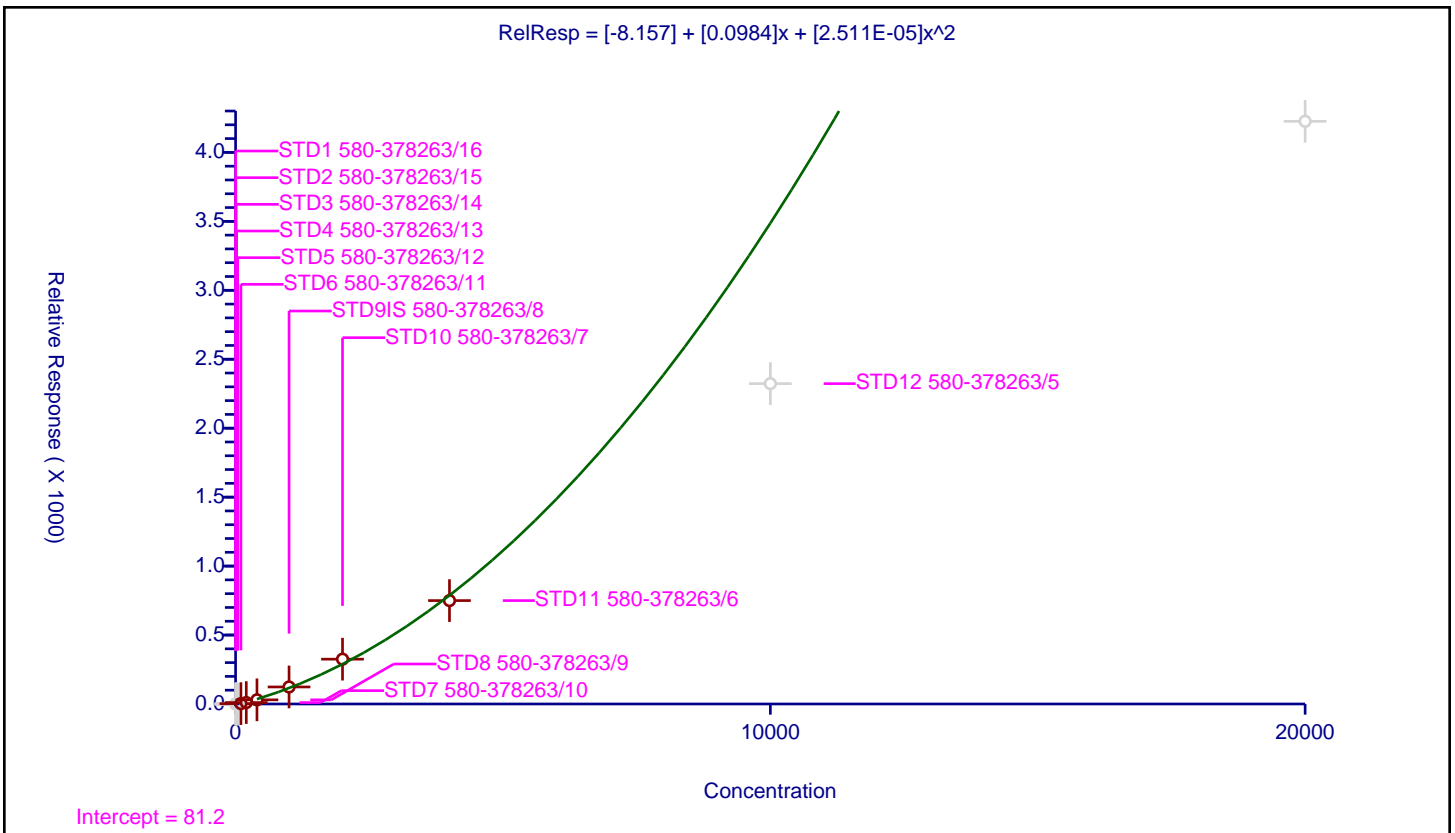
/ Pentachlorophenol

Curve Type: Quadratic
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-8.157
Slope:	0.0984
Second Order:	2.511E-05

Error Coefficients	
Standard Error:	63800
Relative Standard Error:	11.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	2.0	0.0	100.0	10350.0	0.0	N
2	STD2 580-378263/15	4.0	0.0	100.0	10882.0	0.0	N
3	STD3 580-378263/14	10.0	0.0	100.0	12288.0	0.0	N
4	STD4 580-378263/13	20.0	0.0	100.0	11178.0	0.0	N
5	STD5 580-378263/12	40.0	0.441919	100.0	11088.0	0.011048	N
6	STD6 580-378263/11	100.0	2.672527	100.0	11375.0	0.026725	Y
7	STD7 580-378263/10	200.0	10.25583	100.0	13251.0	0.051279	Y
8	STD8 580-378263/9	400.0	30.131626	100.0	14055.0	0.075329	Y
9	STD9IS 580-378263/8	1000.0	123.438748	100.0	12522.0	0.123439	Y
10	STD10 580-378263/7	2000.0	324.959636	100.0	13626.0	0.16248	Y
11	STD11 580-378263/6	4000.0	749.810592	100.0	13463.0	0.187453	Y
12	STD12 580-378263/5	10000.0	2323.042203	100.0	13293.0	0.232304	N
13	STD13 580-378263/4	20000.0	4225.406922	100.0	16035.0	0.21127	N



Calibration

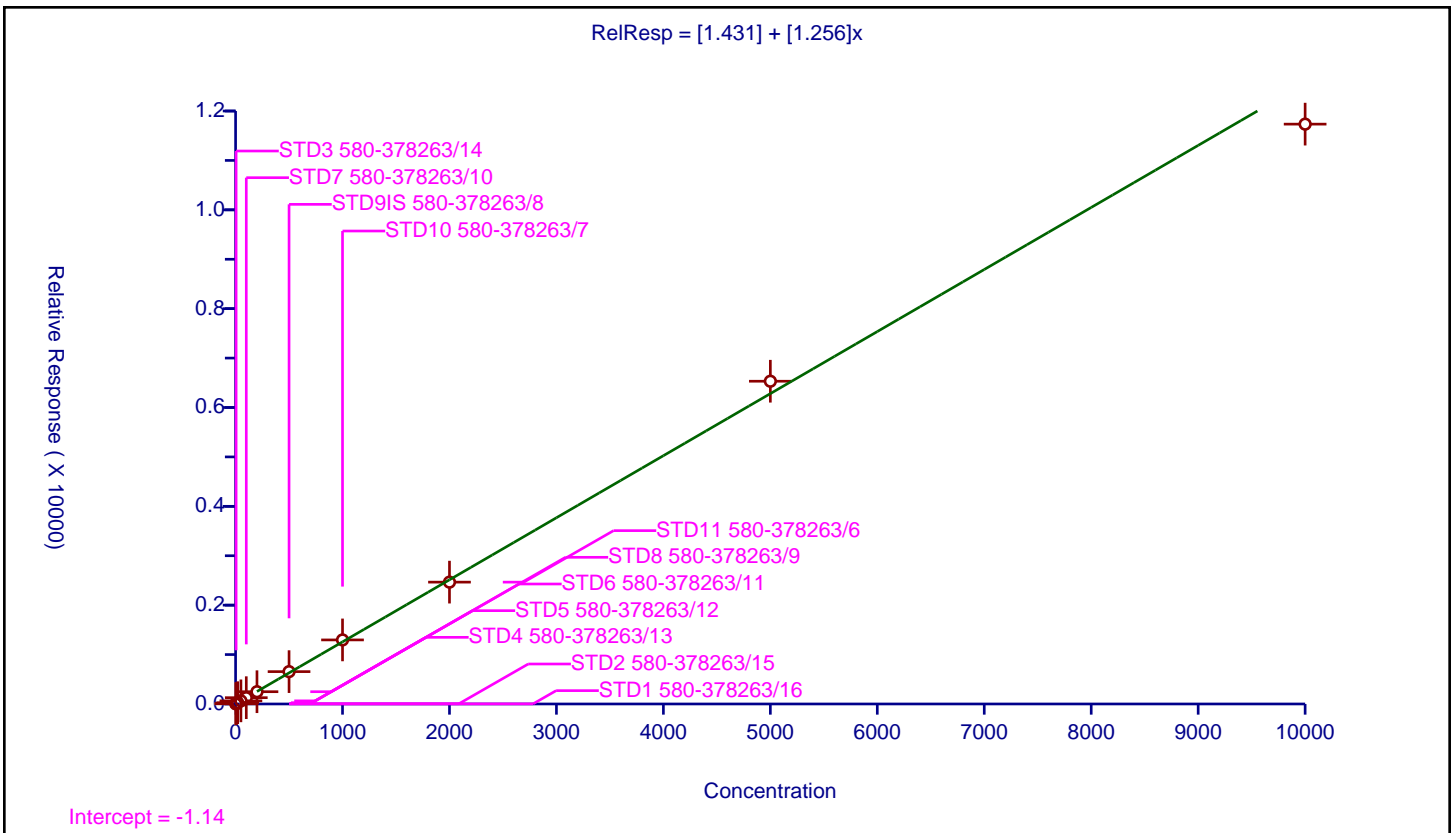
/ Phenanthrene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	1.431
Slope:	1.256

Error Coefficients	
Standard Error:	804000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.494379	100.0	14232.0	2.494379	N
2	STD2 580-378263/15	2.0	3.901296	100.0	14508.0	1.950648	Y
3	STD3 580-378263/14	5.0	8.069146	100.0	15677.0	1.613829	Y
4	STD4 580-378263/13	10.0	13.763889	100.0	14400.0	1.376389	Y
5	STD5 580-378263/12	20.0	25.959167	100.0	14596.0	1.297958	Y
6	STD6 580-378263/11	50.0	63.204929	100.0	14771.0	1.264099	Y
7	STD7 580-378263/10	100.0	127.731699	100.0	16638.0	1.277317	Y
8	STD8 580-378263/9	200.0	248.684283	100.0	18203.0	1.243421	Y
9	STD9IS 580-378263/8	500.0	654.743222	100.0	15675.0	1.309486	Y
10	STD10 580-378263/7	1000.0	1296.50125	100.0	16806.0	1.296501	Y
11	STD11 580-378263/6	2000.0	2465.855651	100.0	17139.0	1.232928	Y
12	STD12 580-378263/5	5000.0	6531.561958	100.0	16729.0	1.306312	Y
13	STD13 580-378263/4	10000.0	11734.237746	100.0	19239.0	1.173424	Y



Calibration

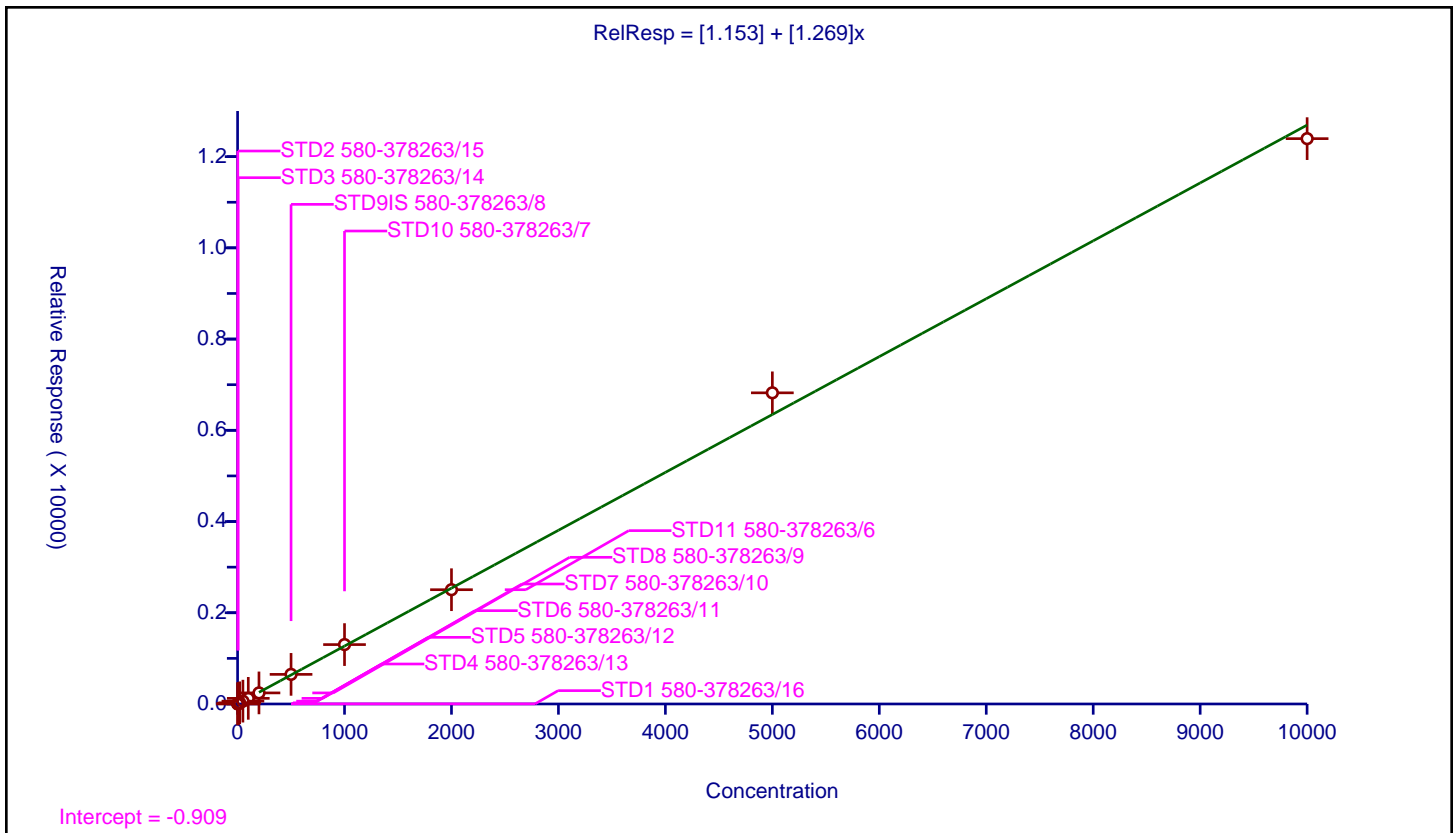
/ Anthracene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	1.153
Slope:	1.269

Error Coefficients	
Standard Error:	807000
Relative Standard Error:	4.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.381956	100.0	14232.0	2.381956	Y
2	STD2 580-378263/15	2.0	3.81169	100.0	14508.0	1.905845	Y
3	STD3 580-378263/14	5.0	7.896919	100.0	15677.0	1.579384	Y
4	STD4 580-378263/13	10.0	13.534722	100.0	14400.0	1.353472	Y
5	STD5 580-378263/12	20.0	26.013976	100.0	14596.0	1.300699	Y
6	STD6 580-378263/11	50.0	62.433146	100.0	14771.0	1.248663	Y
7	STD7 580-378263/10	100.0	123.518452	100.0	16638.0	1.235185	Y
8	STD8 580-378263/9	200.0	242.657804	100.0	18203.0	1.213289	Y
9	STD9IS 580-378263/8	500.0	649.263158	100.0	15675.0	1.298526	Y
10	STD10 580-378263/7	1000.0	1302.522908	100.0	16806.0	1.302523	Y
11	STD11 580-378263/6	2000.0	2505.350371	100.0	17139.0	1.252675	Y
12	STD12 580-378263/5	5000.0	6821.794489	100.0	16729.0	1.364359	Y
13	STD13 580-378263/4	10000.0	12394.334425	100.0	19239.0	1.239433	Y



Calibration

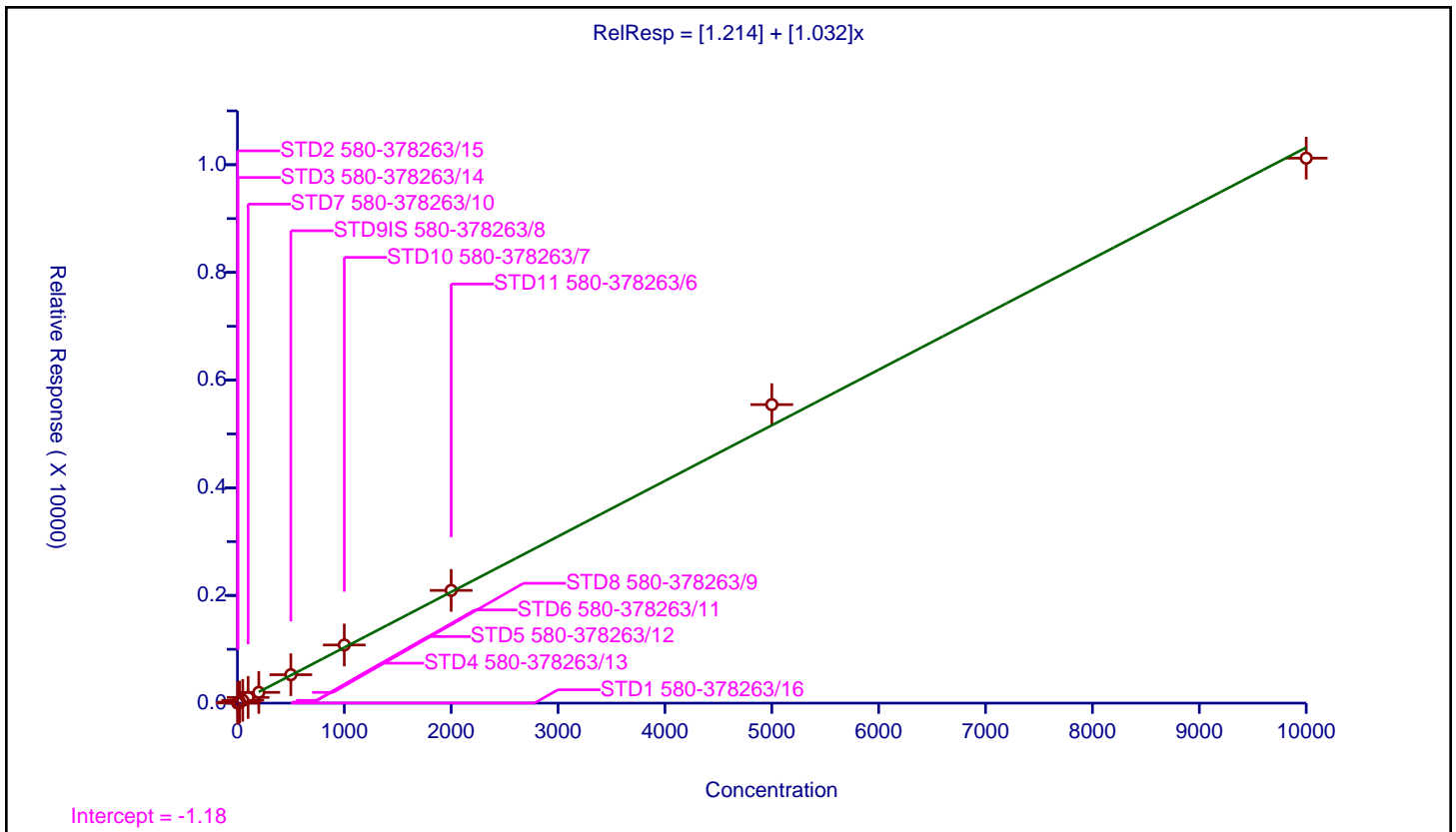
/ Fluoranthene-d10 (Surr)

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	1.214
Slope:	1.032

Error Coefficients	
Standard Error:	691000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.07982	100.0	14232.0	2.07982	N
2	STD2 580-378263/15	2.0	3.280948	100.0	14508.0	1.640474	Y
3	STD3 580-378263/14	5.0	6.621165	100.0	15677.0	1.324233	Y
4	STD4 580-378263/13	10.0	10.805556	100.0	14400.0	1.080556	Y
5	STD5 580-378263/12	20.0	20.718005	100.0	14596.0	1.0359	Y
6	STD6 580-378263/11	50.0	51.066279	100.0	14771.0	1.021326	Y
7	STD7 580-378263/10	100.0	105.607645	100.0	16638.0	1.056076	Y
8	STD8 580-378263/9	200.0	199.522057	100.0	18203.0	0.99761	Y
9	STD9IS 580-378263/8	500.0	528.172249	100.0	15675.0	1.056344	Y
10	STD10 580-378263/7	1000.0	1080.263001	100.0	16806.0	1.080263	Y
11	STD11 580-378263/6	2000.0	2093.797771	100.0	17139.0	1.046899	Y
12	STD12 580-378263/5	5000.0	5544.497579	100.0	16729.0	1.1089	Y
13	STD13 580-378263/4	10000.0	10121.75269	100.0	19239.0	1.012175	Y



Calibration

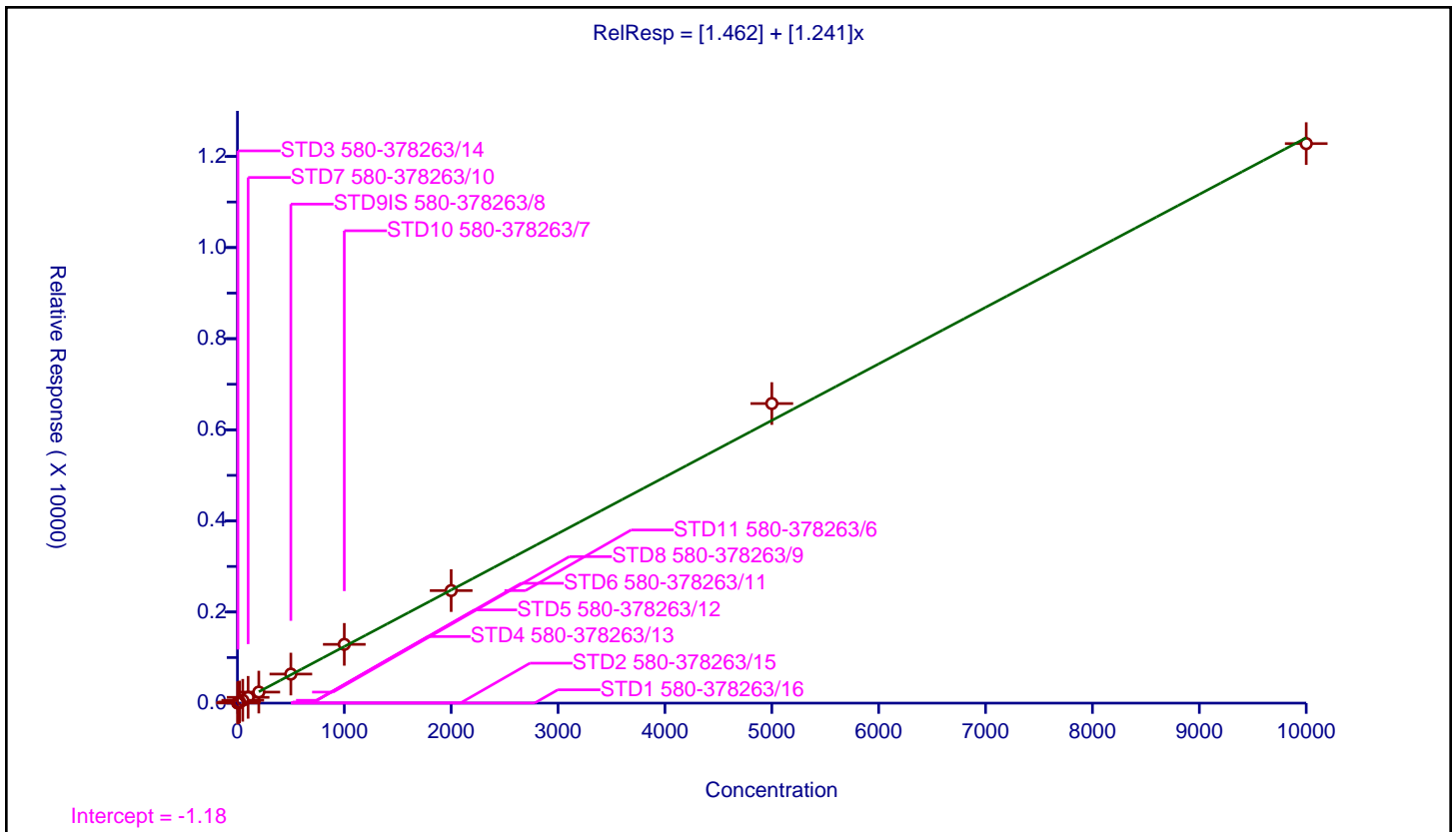
/ Fluoranthene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	1.462
Slope:	1.241

Error Coefficients	
Standard Error:	834000
Relative Standard Error:	4.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.529511	100.0	14232.0	2.529511	N
2	STD2 580-378263/15	2.0	3.93576	100.0	14508.0	1.96788	Y
3	STD3 580-378263/14	5.0	8.011737	100.0	15677.0	1.602347	Y
4	STD4 580-378263/13	10.0	13.090278	100.0	14400.0	1.309028	Y
5	STD5 580-378263/12	20.0	24.773911	100.0	14596.0	1.238696	Y
6	STD6 580-378263/11	50.0	62.148805	100.0	14771.0	1.242976	Y
7	STD7 580-378263/10	100.0	127.160716	100.0	16638.0	1.271607	Y
8	STD8 580-378263/9	200.0	242.295226	100.0	18203.0	1.211476	Y
9	STD9IS 580-378263/8	500.0	637.952153	100.0	15675.0	1.275904	Y
10	STD10 580-378263/7	1000.0	1289.99762	100.0	16806.0	1.289998	Y
11	STD11 580-378263/6	2000.0	2470.395006	100.0	17139.0	1.235198	Y
12	STD12 580-378263/5	5000.0	6576.268755	100.0	16729.0	1.315254	Y
13	STD13 580-378263/4	10000.0	12281.974115	100.0	19239.0	1.228197	Y



Calibration

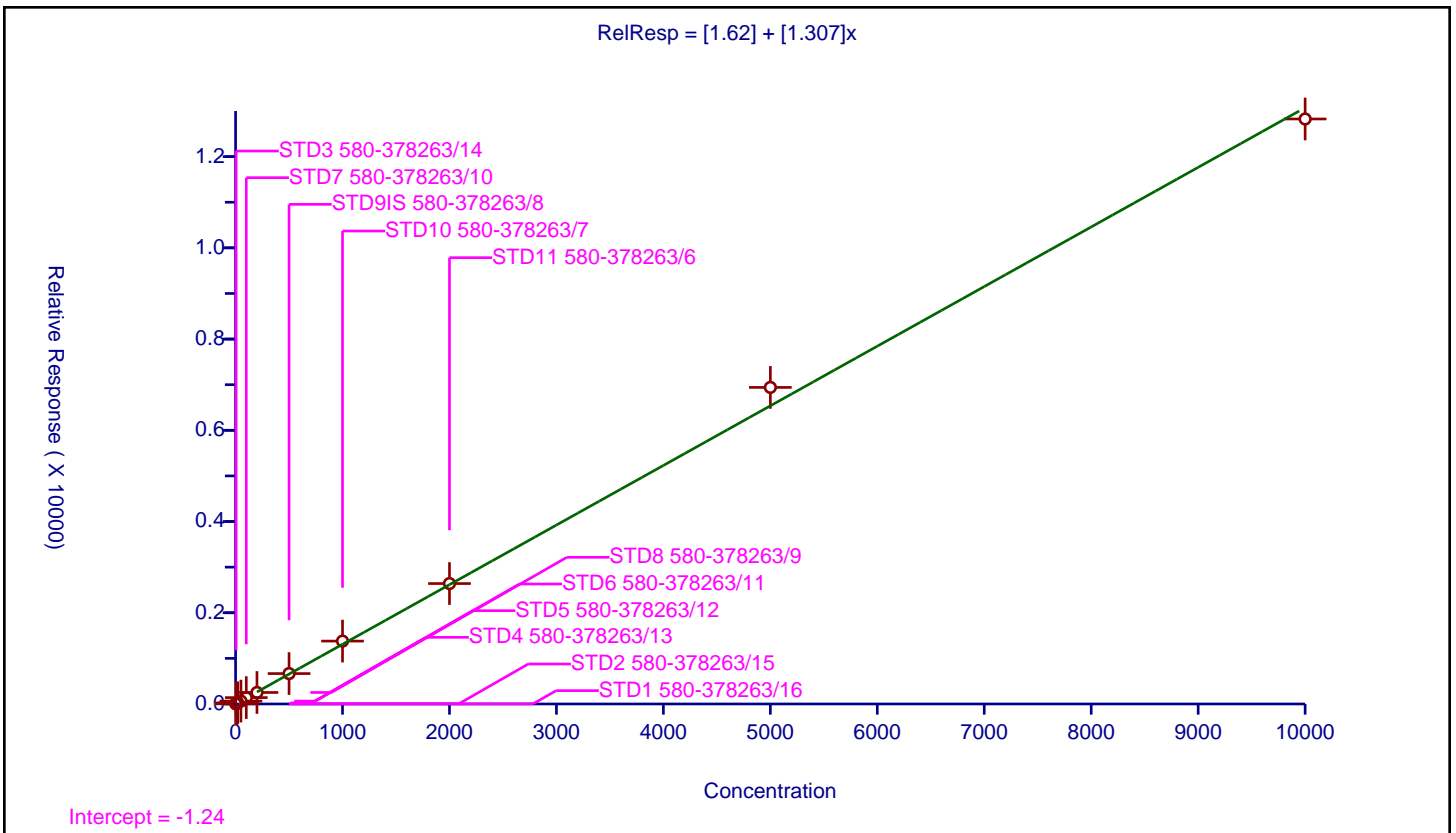
/ Pyrene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	1.62
Slope:	1.307

Error Coefficients	
Standard Error:	873000
Relative Standard Error:	6.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.712198	100.0	14232.0	2.712198	N
2	STD2 580-378263/15	2.0	4.21147	100.0	14508.0	2.105735	Y
3	STD3 580-378263/14	5.0	8.770811	100.0	15677.0	1.754162	Y
4	STD4 580-378263/13	10.0	13.340278	100.0	14400.0	1.334028	Y
5	STD5 580-378263/12	20.0	25.856399	100.0	14596.0	1.29282	Y
6	STD6 580-378263/11	50.0	63.56374	100.0	14771.0	1.271275	Y
7	STD7 580-378263/10	100.0	140.064912	100.0	16638.0	1.400649	Y
8	STD8 580-378263/9	200.0	252.546284	100.0	18203.0	1.262731	Y
9	STD9IS 580-378263/8	500.0	666.966507	100.0	15675.0	1.333933	Y
10	STD10 580-378263/7	1000.0	1378.567178	100.0	16806.0	1.378567	Y
11	STD11 580-378263/6	2000.0	2640.340743	100.0	17139.0	1.32017	Y
12	STD12 580-378263/5	5000.0	6940.576245	100.0	16729.0	1.388115	Y
13	STD13 580-378263/4	10000.0	12825.094859	100.0	19239.0	1.282509	Y



Calibration

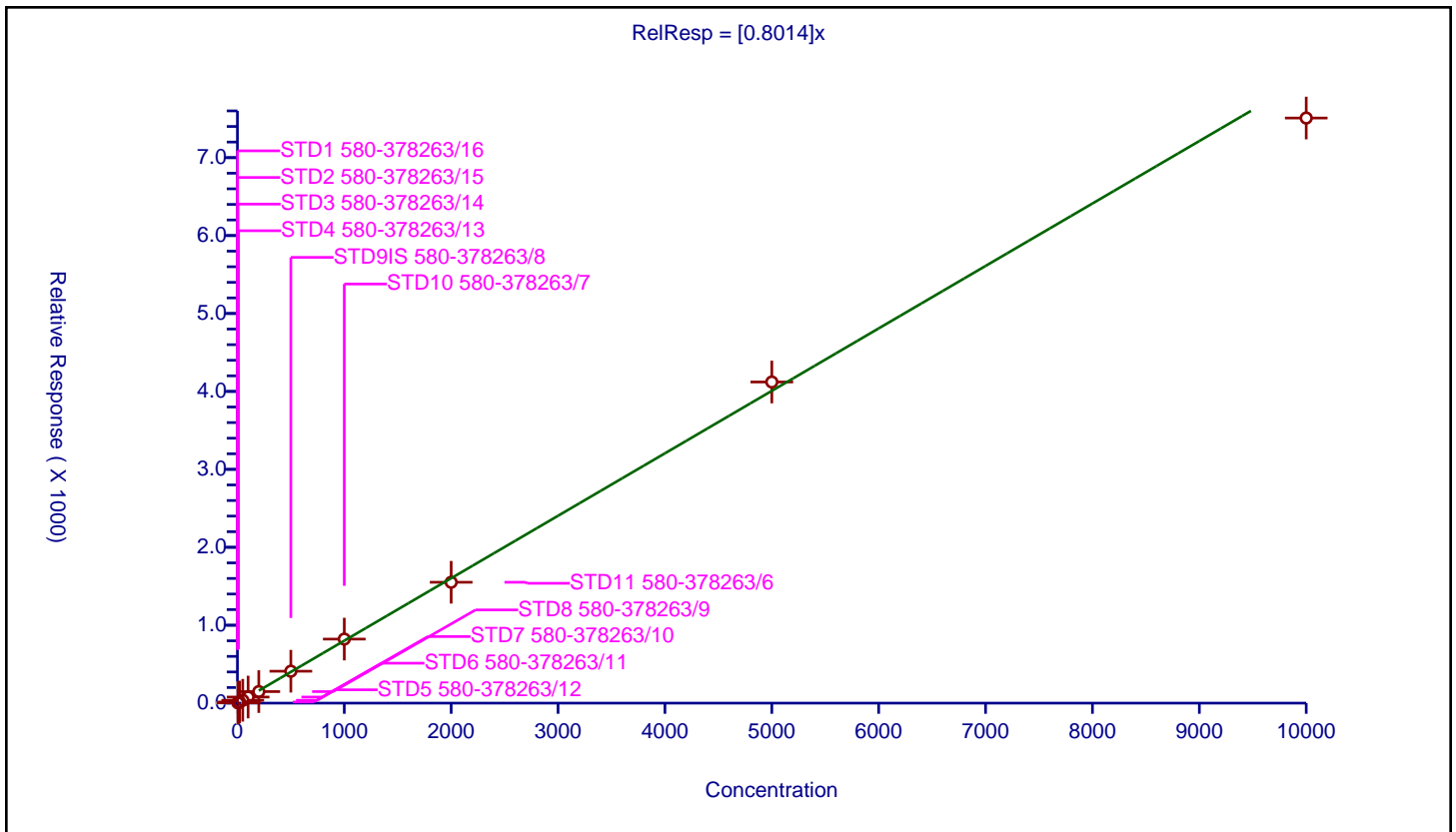
/ Terphenyl-d14

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8014

Error Coefficients	
Standard Error:	513000
Relative Standard Error:	9.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.517707	100.0	14232.0	1.517707	N
2	STD2 580-378263/15	2.0	2.474497	100.0	14508.0	1.237248	N
3	STD3 580-378263/14	5.0	4.988199	100.0	15677.0	0.99764	Y
4	STD4 580-378263/13	10.0	8.333333	100.0	14400.0	0.833333	Y
5	STD5 580-378263/12	20.0	14.757468	100.0	14596.0	0.737873	Y
6	STD6 580-378263/11	50.0	36.612281	100.0	14771.0	0.732246	Y
7	STD7 580-378263/10	100.0	78.254598	100.0	16638.0	0.782546	Y
8	STD8 580-378263/9	200.0	148.096468	100.0	18203.0	0.740482	Y
9	STD9IS 580-378263/8	500.0	409.626794	100.0	15675.0	0.819254	Y
10	STD10 580-378263/7	1000.0	821.879091	100.0	16806.0	0.821879	Y
11	STD11 580-378263/6	2000.0	1551.269036	100.0	17139.0	0.775635	Y
12	STD12 580-378263/5	5000.0	4121.101082	100.0	16729.0	0.82422	Y
13	STD13 580-378263/4	10000.0	7508.326836	100.0	19239.0	0.750833	Y



Calibration

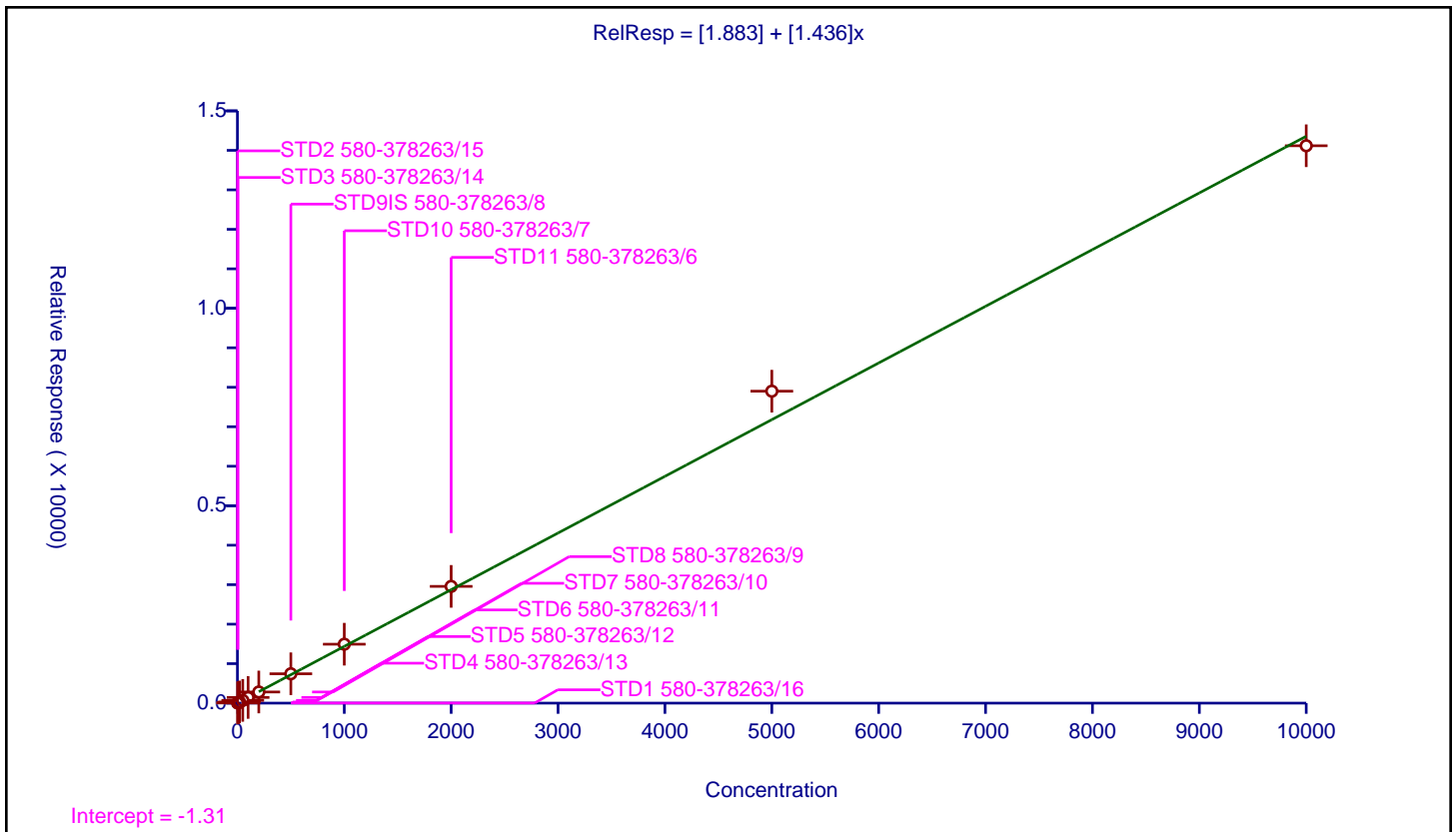
/ Benzo[a]anthracene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	1.883
Slope:	1.436

Error Coefficients	
Standard Error:	797000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	3.05314	100.0	10350.0	3.05314	N
2	STD2 580-378263/15	2.0	4.815291	100.0	10882.0	2.407646	Y
3	STD3 580-378263/14	5.0	9.098307	100.0	12288.0	1.819661	Y
4	STD4 580-378263/13	10.0	15.002684	100.0	11178.0	1.500268	Y
5	STD5 580-378263/12	20.0	29.572511	100.0	11088.0	1.478626	Y
6	STD6 580-378263/11	50.0	69.52967	100.0	11375.0	1.390593	Y
7	STD7 580-378263/10	100.0	144.30609	100.0	13251.0	1.443061	Y
8	STD8 580-378263/9	200.0	282.034863	100.0	14055.0	1.410174	Y
9	STD9IS 580-378263/8	500.0	743.802907	100.0	12522.0	1.487606	Y
10	STD10 580-378263/7	1000.0	1492.712461	100.0	13626.0	1.492712	Y
11	STD11 580-378263/6	2000.0	2956.666419	100.0	13463.0	1.478333	Y
12	STD12 580-378263/5	5000.0	7901.120891	100.0	13293.0	1.580224	Y
13	STD13 580-378263/4	10000.0	14117.149984	100.0	16035.0	1.411715	Y



Calibration

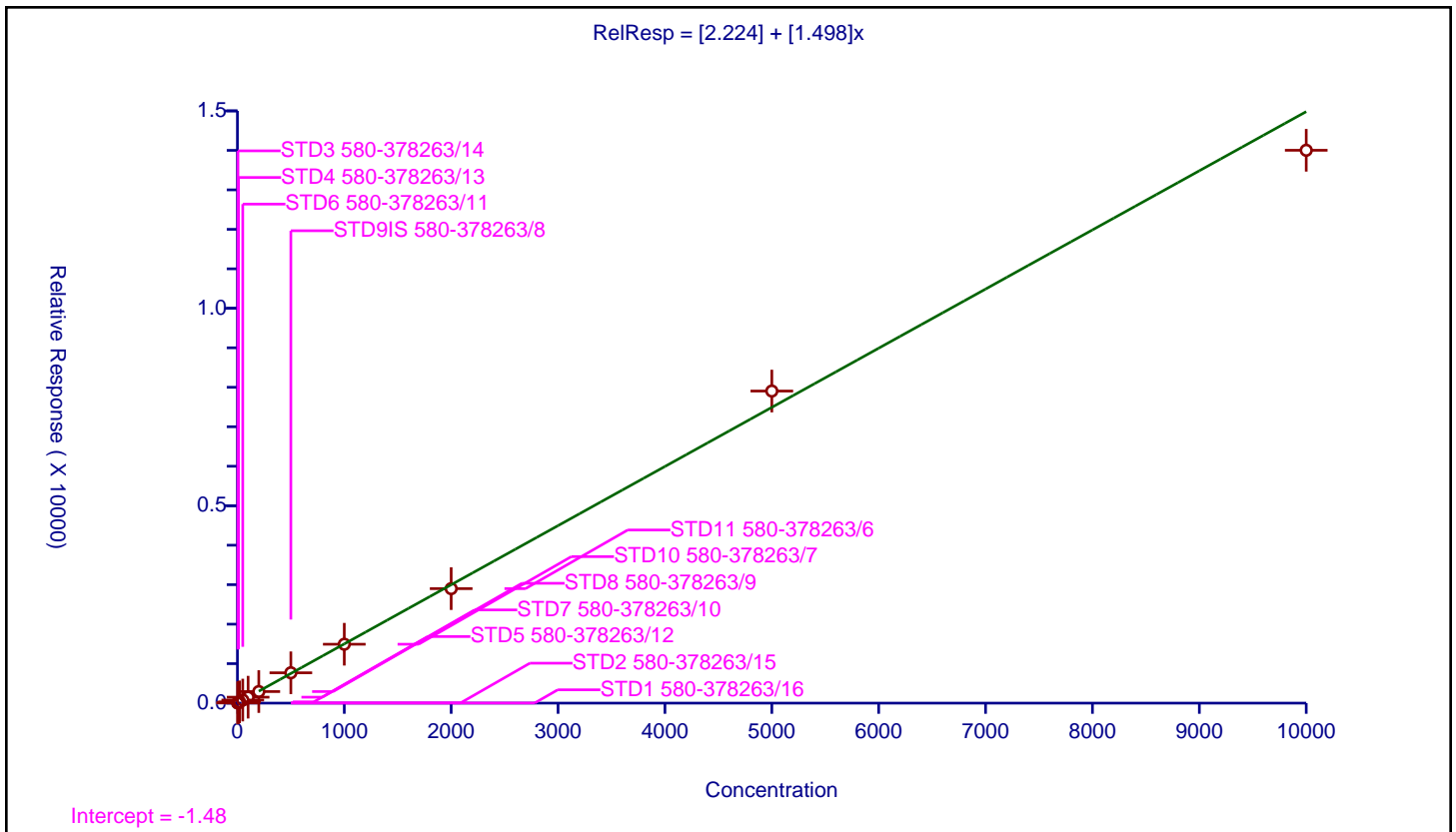
/ Chrysene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	2.224
Slope:	1.498

Error Coefficients	
Standard Error:	792000
Relative Standard Error:	3.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	3.294686	100.0	10350.0	3.294686	N
2	STD2 580-378263/15	2.0	5.155302	100.0	10882.0	2.577651	Y
3	STD3 580-378263/14	5.0	9.936523	100.0	12288.0	1.987305	Y
4	STD4 580-378263/13	10.0	17.937019	100.0	11178.0	1.793702	Y
5	STD5 580-378263/12	20.0	32.160895	100.0	11088.0	1.608045	Y
6	STD6 580-378263/11	50.0	77.714286	100.0	11375.0	1.554286	Y
7	STD7 580-378263/10	100.0	150.554675	100.0	13251.0	1.505547	Y
8	STD8 580-378263/9	200.0	293.055852	100.0	14055.0	1.465279	Y
9	STD9IS 580-378263/8	500.0	768.351701	100.0	12522.0	1.536703	Y
10	STD10 580-378263/7	1000.0	1491.824453	100.0	13626.0	1.491824	Y
11	STD11 580-378263/6	2000.0	2899.858872	100.0	13463.0	1.449929	Y
12	STD12 580-378263/5	5000.0	7904.415858	100.0	13293.0	1.580883	Y
13	STD13 580-378263/4	10000.0	14002.625507	100.0	16035.0	1.400263	Y



Calibration

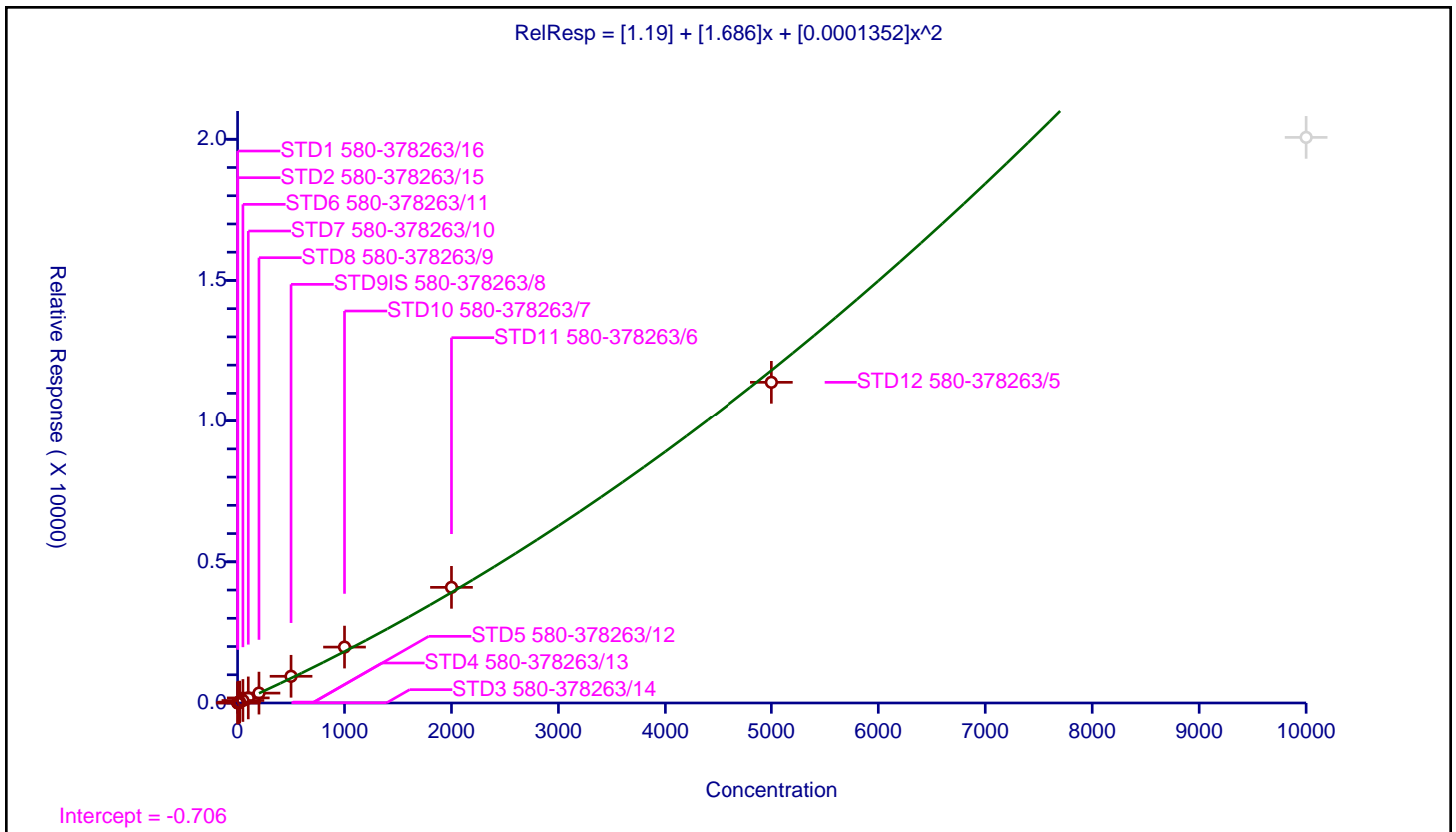
/ Bis(2-ethylhexyl) phthalate

Curve Type: Quadratic
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	1.19
Slope:	1.686
Second Order:	0.0001352

Error Coefficients	
Standard Error:	542000
Relative Standard Error:	7.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.908213	100.0	10350.0	2.908213	Y
2	STD2 580-378263/15	2.0	4.677449	100.0	10882.0	2.338724	Y
3	STD3 580-378263/14	5.0	8.813477	100.0	12288.0	1.762695	Y
4	STD4 580-378263/13	10.0	15.691537	100.0	11178.0	1.569154	Y
5	STD5 580-378263/12	20.0	31.971501	100.0	11088.0	1.598575	Y
6	STD6 580-378263/11	50.0	87.903297	100.0	11375.0	1.758066	Y
7	STD7 580-378263/10	100.0	179.699645	100.0	13251.0	1.796996	Y
8	STD8 580-378263/9	200.0	349.697617	100.0	14055.0	1.748488	Y
9	STD9IS 580-378263/8	500.0	945.951126	100.0	12522.0	1.891902	Y
10	STD10 580-378263/7	1000.0	1979.847351	100.0	13626.0	1.979847	Y
11	STD11 580-378263/6	2000.0	4095.060536	100.0	13463.0	2.04753	Y
12	STD12 580-378263/5	5000.0	11392.161288	100.0	13293.0	2.278432	Y
13	STD13 580-378263/4	10000.0	20065.868413	100.0	16035.0	2.006587	N



Calibration

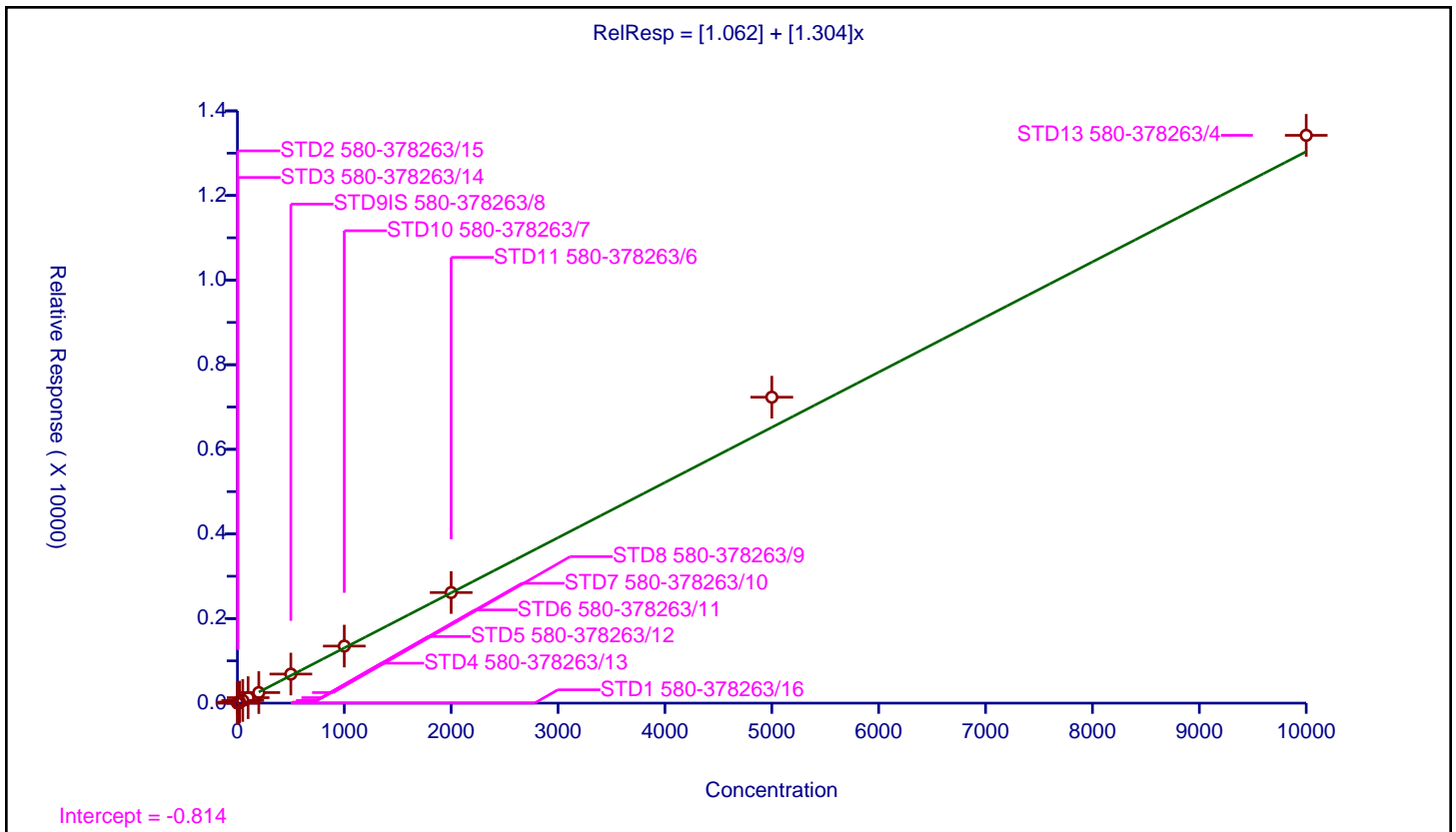
/ Benzo[b]fluoranthene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	1.062
Slope:	1.304

Error Coefficients	
Standard Error:	819000
Relative Standard Error:	5.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.358374	100.0	12127.0	2.358374	Y
2	STD2 580-378263/15	2.0	3.753249	100.0	13082.0	1.876624	Y
3	STD3 580-378263/14	5.0	7.645847	100.0	14073.0	1.529169	Y
4	STD4 580-378263/13	10.0	13.045193	100.0	12679.0	1.304519	Y
5	STD5 580-378263/12	20.0	25.354691	100.0	13110.0	1.267735	Y
6	STD6 580-378263/11	50.0	62.722674	100.0	13641.0	1.254453	Y
7	STD7 580-378263/10	100.0	129.334787	100.0	15589.0	1.293348	Y
8	STD8 580-378263/9	200.0	249.883378	100.0	16292.0	1.249417	Y
9	STD9IS 580-378263/8	500.0	687.183267	100.0	14247.0	1.374367	Y
10	STD10 580-378263/7	1000.0	1349.145464	100.0	15564.0	1.349145	Y
11	STD11 580-378263/6	2000.0	2614.44828	100.0	15642.0	1.307224	Y
12	STD12 580-378263/5	5000.0	7231.841049	100.0	15703.0	1.446368	Y
13	STD13 580-378263/4	10000.0	13421.940487	100.0	18181.0	1.342194	Y



Calibration

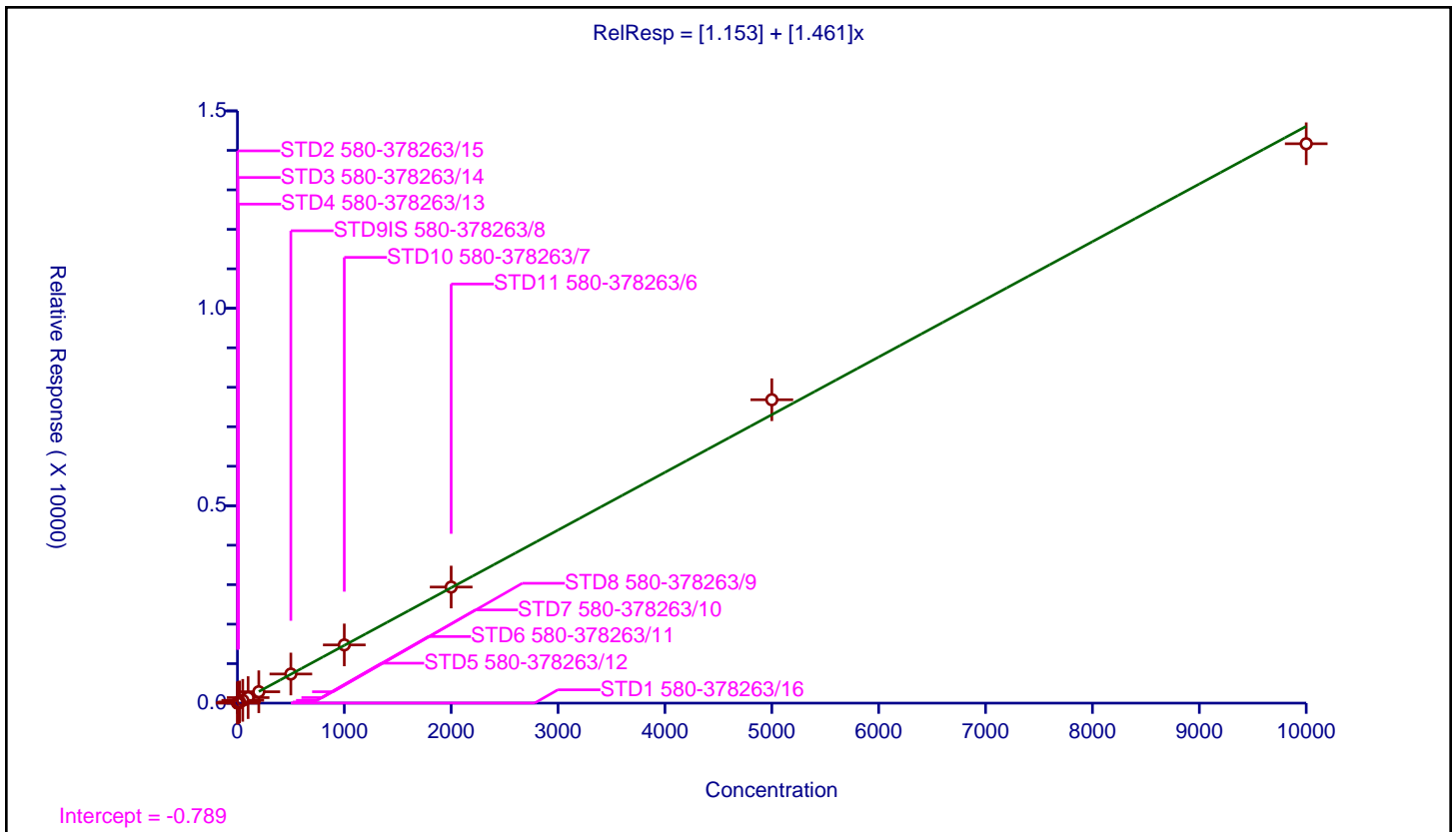
/ Benzo[k]fluoranthene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	1.153
Slope:	1.461

Error Coefficients	
Standard Error:	867000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.581018	100.0	12127.0	2.581018	Y
2	STD2 580-378263/15	2.0	4.127809	100.0	13082.0	2.063905	Y
3	STD3 580-378263/14	5.0	8.796987	100.0	14073.0	1.759397	Y
4	STD4 580-378263/13	10.0	16.925625	100.0	12679.0	1.692563	Y
5	STD5 580-378263/12	20.0	29.084668	100.0	13110.0	1.454233	Y
6	STD6 580-378263/11	50.0	70.18547	100.0	13641.0	1.403709	Y
7	STD7 580-378263/10	100.0	140.028225	100.0	15589.0	1.400282	Y
8	STD8 580-378263/9	200.0	288.092315	100.0	16292.0	1.440462	Y
9	STD9IS 580-378263/8	500.0	737.783393	100.0	14247.0	1.475567	Y
10	STD10 580-378263/7	1000.0	1474.569519	100.0	15564.0	1.47457	Y
11	STD11 580-378263/6	2000.0	2939.867025	100.0	15642.0	1.469934	Y
12	STD12 580-378263/5	5000.0	7684.506145	100.0	15703.0	1.536901	Y
13	STD13 580-378263/4	10000.0	14167.933557	100.0	18181.0	1.416793	Y



Calibration

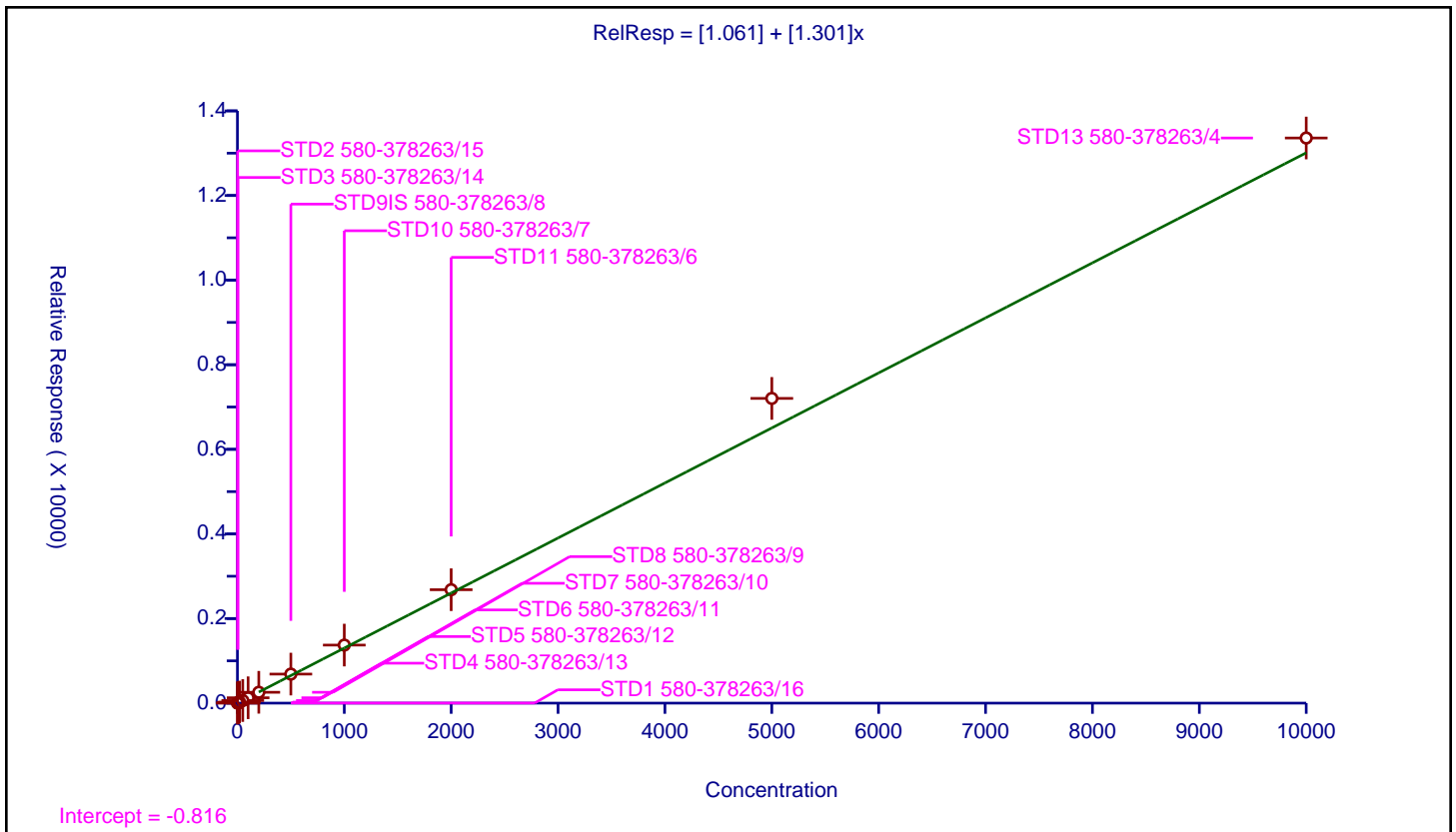
/ Benzo[a]pyrene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	1.061
Slope:	1.301

Error Coefficients	
Standard Error:	816000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.350128	100.0	12127.0	2.350128	Y
2	STD2 580-378263/15	2.0	3.776181	100.0	13082.0	1.888091	Y
3	STD3 580-378263/14	5.0	7.731116	100.0	14073.0	1.546223	Y
4	STD4 580-378263/13	10.0	12.619292	100.0	12679.0	1.261929	Y
5	STD5 580-378263/12	20.0	24.645309	100.0	13110.0	1.232265	Y
6	STD6 580-378263/11	50.0	61.183198	100.0	13641.0	1.223664	Y
7	STD7 580-378263/10	100.0	126.794535	100.0	15589.0	1.267945	Y
8	STD8 580-378263/9	200.0	256.432605	100.0	16292.0	1.282163	Y
9	STD9IS 580-378263/8	500.0	686.614726	100.0	14247.0	1.373229	Y
10	STD10 580-378263/7	1000.0	1372.384991	100.0	15564.0	1.372385	Y
11	STD11 580-378263/6	2000.0	2681.293952	100.0	15642.0	1.340647	Y
12	STD12 580-378263/5	5000.0	7203.62988	100.0	15703.0	1.440726	Y
13	STD13 580-378263/4	10000.0	13359.160662	100.0	18181.0	1.335916	Y



Calibration

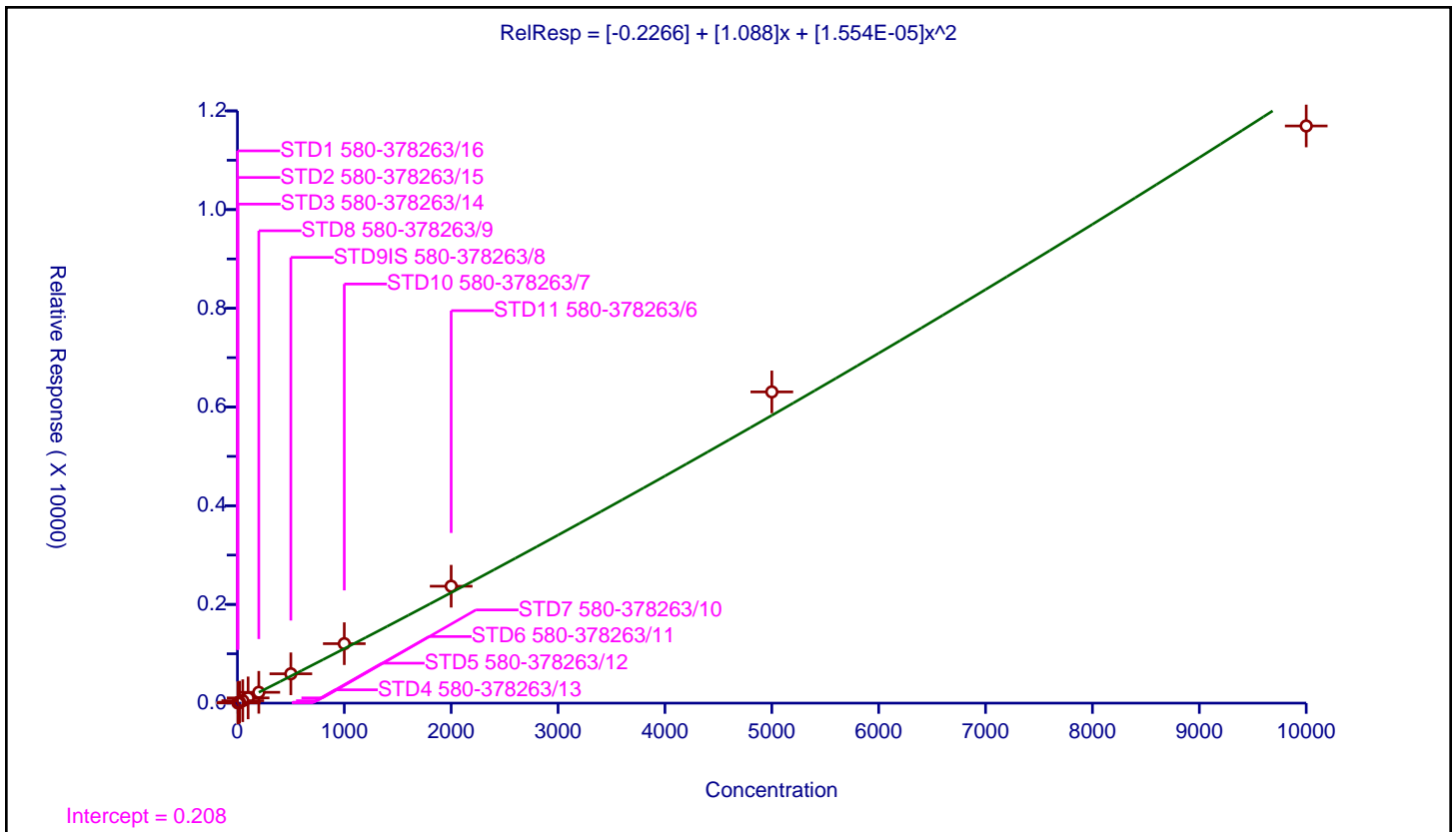
/ Indeno[1,2,3-cd]pyrene

Curve Type: Quadratic
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.2266
Slope:	1.088
Second Order:	1.554E-05

Error Coefficients	
Standard Error:	838000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.599736	100.0	12127.0	1.599736	N
2	STD2 580-378263/15	2.0	2.790093	100.0	13082.0	1.395047	N
3	STD3 580-378263/14	5.0	5.713068	100.0	14073.0	1.142614	Y
4	STD4 580-378263/13	10.0	9.653758	100.0	12679.0	0.965376	Y
5	STD5 580-378263/12	20.0	18.360031	100.0	13110.0	0.918002	Y
6	STD6 580-378263/11	50.0	49.336559	100.0	13641.0	0.986731	Y
7	STD7 580-378263/10	100.0	105.895183	100.0	15589.0	1.058952	Y
8	STD8 580-378263/9	200.0	219.52492	100.0	16292.0	1.097625	Y
9	STD9IS 580-378263/8	500.0	594.265459	100.0	14247.0	1.188531	Y
10	STD10 580-378263/7	1000.0	1204.619635	100.0	15564.0	1.20462	Y
11	STD11 580-378263/6	2000.0	2368.987342	100.0	15642.0	1.184494	Y
12	STD12 580-378263/5	5000.0	6306.113482	100.0	15703.0	1.261223	Y
13	STD13 580-378263/4	10000.0	11694.400748	100.0	18181.0	1.16944	Y



Calibration

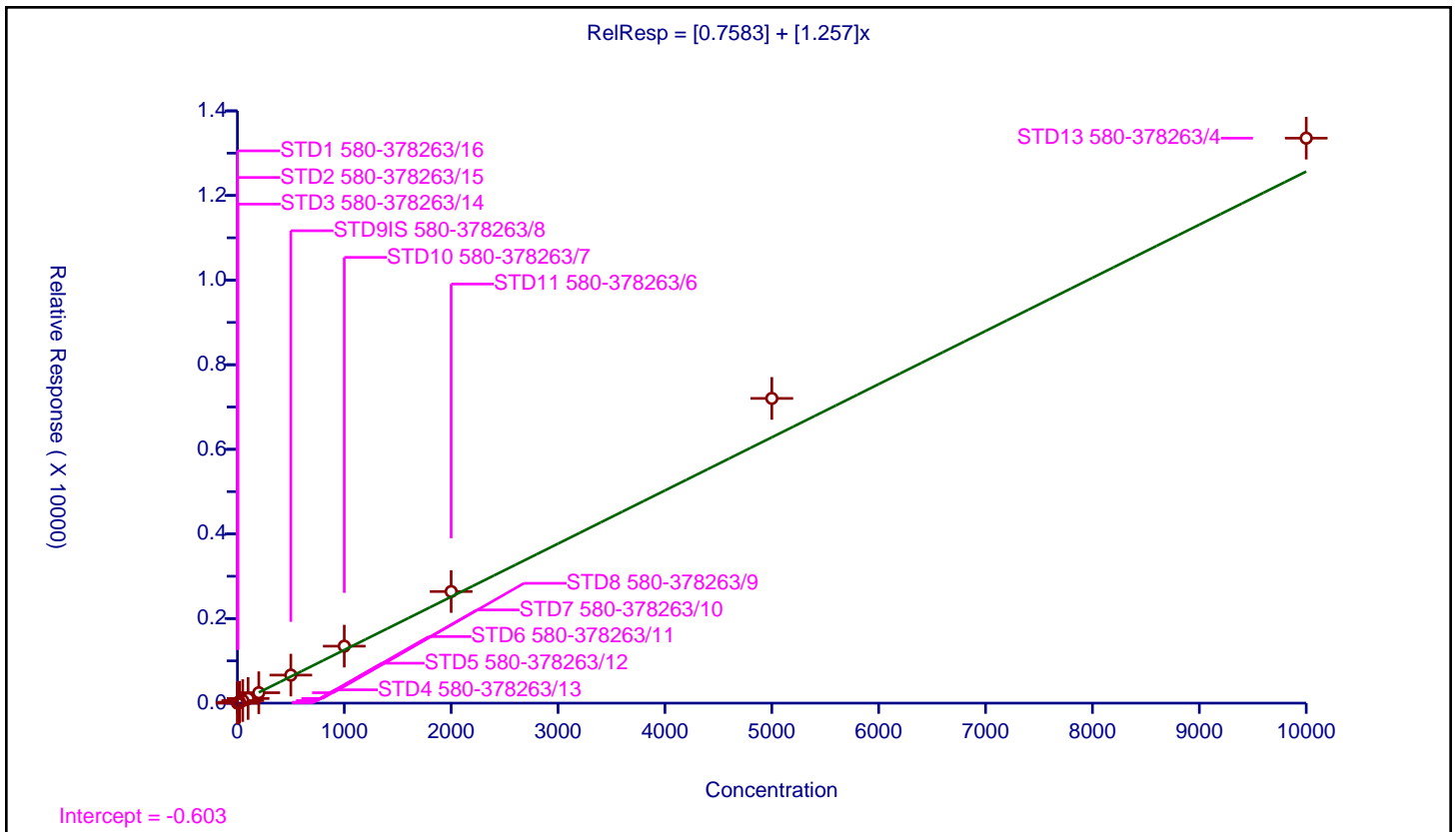
/ Dibenz(a,h)anthracene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0.7583
Slope:	1.257

Error Coefficients	
Standard Error:	816000
Relative Standard Error:	8.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.028531	100.0	12127.0	2.028531	Y
2	STD2 580-378263/15	2.0	3.279315	100.0	13082.0	1.639658	Y
3	STD3 580-378263/14	5.0	7.247922	100.0	14073.0	1.449584	Y
4	STD4 580-378263/13	10.0	12.019875	100.0	12679.0	1.201988	Y
5	STD5 580-378263/12	20.0	22.52479	100.0	13110.0	1.12624	Y
6	STD6 580-378263/11	50.0	60.970603	100.0	13641.0	1.219412	Y
7	STD7 580-378263/10	100.0	110.071204	100.0	15589.0	1.100712	Y
8	STD8 580-378263/9	200.0	246.525902	100.0	16292.0	1.23263	Y
9	STD9IS 580-378263/8	500.0	663.086966	100.0	14247.0	1.326174	Y
10	STD10 580-378263/7	1000.0	1347.102287	100.0	15564.0	1.347102	Y
11	STD11 580-378263/6	2000.0	2638.396624	100.0	15642.0	1.319198	Y
12	STD12 580-378263/5	5000.0	7203.693562	100.0	15703.0	1.440739	Y
13	STD13 580-378263/4	10000.0	13355.227985	100.0	18181.0	1.335523	Y



Calibration

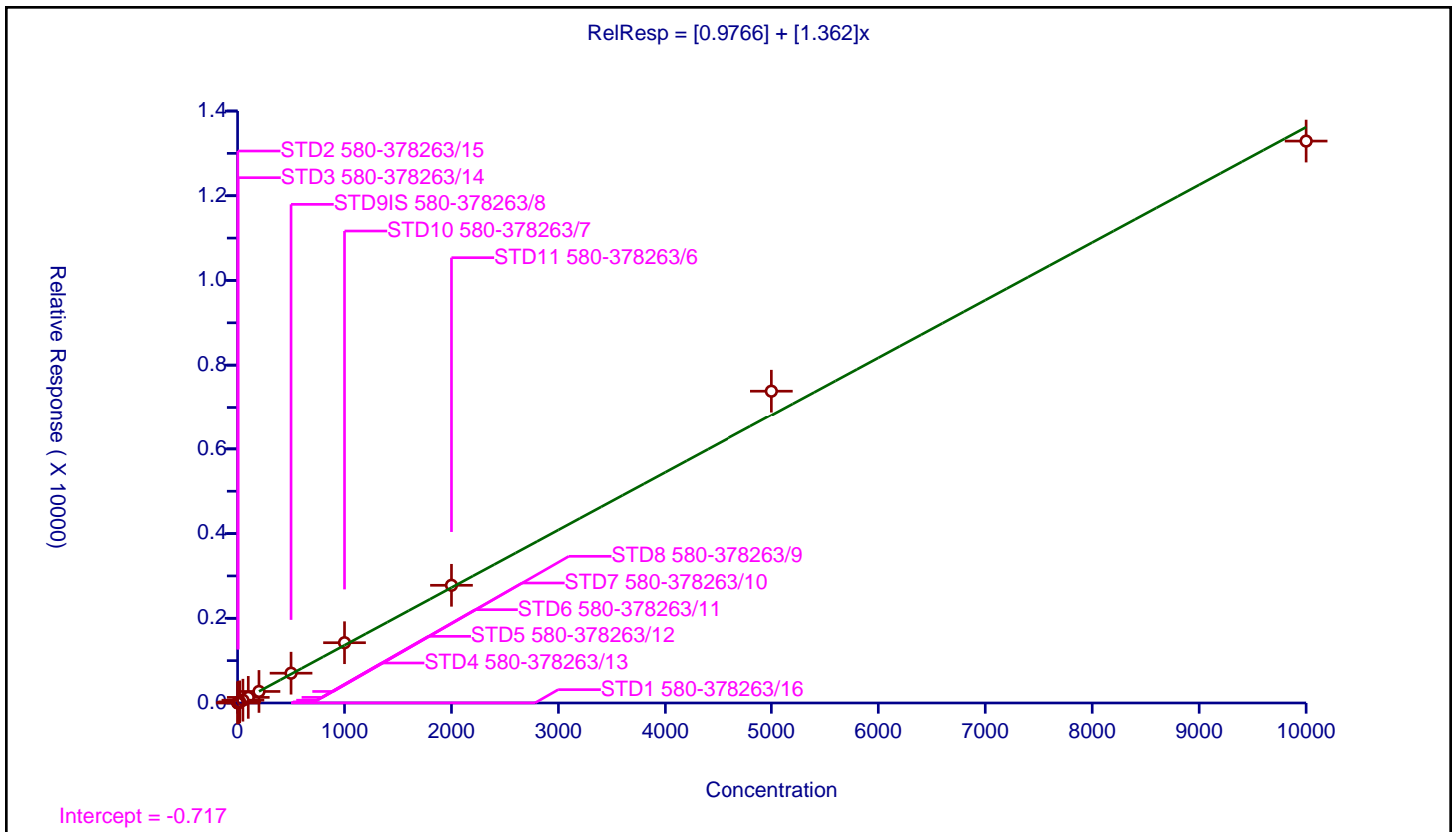
/ Benzo[g,h,i]perylene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0.9766
Slope:	1.362

Error Coefficients	
Standard Error:	817000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.317144	100.0	12127.0	2.317144	Y
2	STD2 580-378263/15	2.0	3.799113	100.0	13082.0	1.899557	Y
3	STD3 580-378263/14	5.0	8.086407	100.0	14073.0	1.617281	Y
4	STD4 580-378263/13	10.0	13.605174	100.0	12679.0	1.360517	Y
5	STD5 580-378263/12	20.0	26.651411	100.0	13110.0	1.332571	Y
6	STD6 580-378263/11	50.0	65.486401	100.0	13641.0	1.309728	Y
7	STD7 580-378263/10	100.0	132.247097	100.0	15589.0	1.322471	Y
8	STD8 580-378263/9	200.0	272.507979	100.0	16292.0	1.36254	Y
9	STD9IS 580-378263/8	500.0	703.748158	100.0	14247.0	1.407496	Y
10	STD10 580-378263/7	1000.0	1423.207402	100.0	15564.0	1.423207	Y
11	STD11 580-378263/6	2000.0	2778.800665	100.0	15642.0	1.3894	Y
12	STD12 580-378263/5	5000.0	7384.70356	100.0	15703.0	1.476941	Y
13	STD13 580-378263/4	10000.0	13290.710082	100.0	18181.0	1.329071	Y



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1
SDG No.: _____
Lab Sample ID (1): CCVIS 580-384521/3 Instrument ID (1): TAC050
GC Column (1): ZB-SV ID: 0.25 (mm) Date Analyzed (1): 03/21/2022 10:58

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.45	76.40

Eurofins Seattle

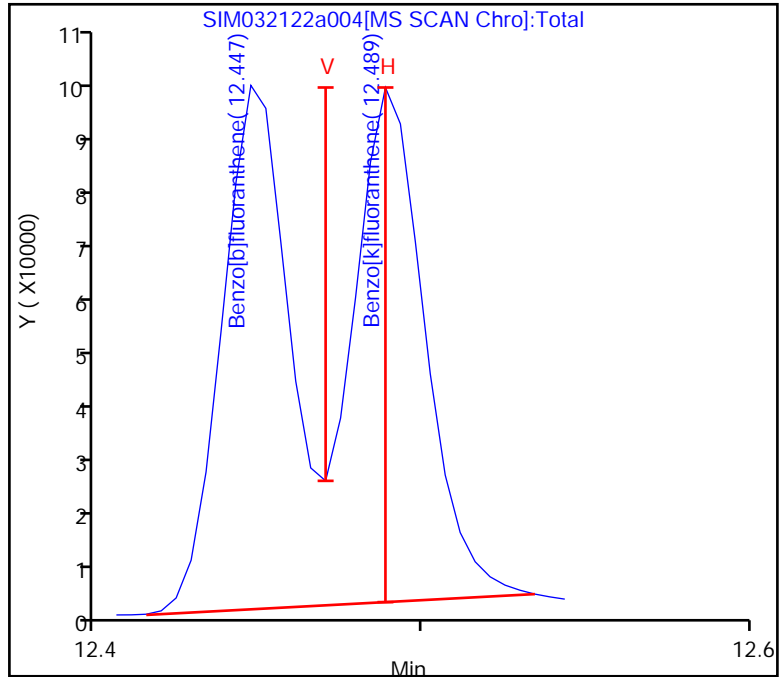
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a004.D
Injection Date: 21-Mar-2022 10:58:30 Instrument ID: TAC050
Lims ID: ccvis
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

24 Benzo[b]fluoranthene - 25 Benzo[k]fluoranthene

CLP Method

$\%Resolution = (V/H) * 100$
V(Valley Height) = 73148
H(Smaller Peak Height) = 95696

 $\%Resolution = 76.4, Min. Resolution > 25.0$
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Lab Sample ID (1): STD9IS 580-385060/8 ICI Instrument ID (1): SEA101

GC Column (1): ZB-SV ID: 0.25 (mm) Date Analyzed (1): 03/24/2022 20:22

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.71	69.40

Eurofins Seattle

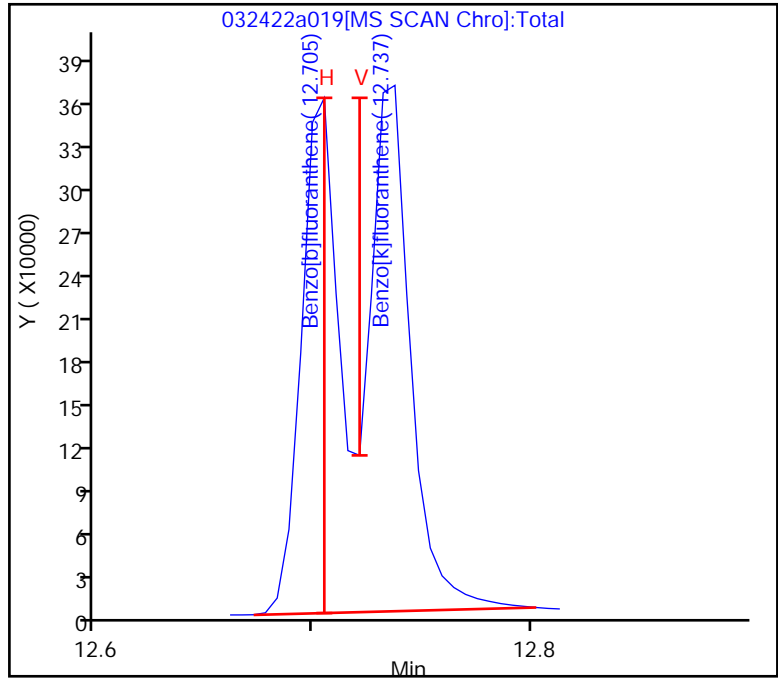
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a019.D
Injection Date: 24-Mar-2022 20:22:30 Instrument ID: SEA101
Lims ID: std9is
Client ID:
Operator ID: tl ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0

25 Benzo[b]fluoranthene - 26 Benzo[k]fluoranthene

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 248823
H(Smaller Peak Height) = 358570

%Resolution = 69.4, Min. Resolution > 25.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Lab Sample ID (1): CCVIS 580-385175/3 Instrument ID (1): SEA101

GC Column (1): ZB-SV ID: 0.25 (mm) Date Analyzed (1): 03/25/2022 17:29

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.70	67.50

Eurofins Seattle

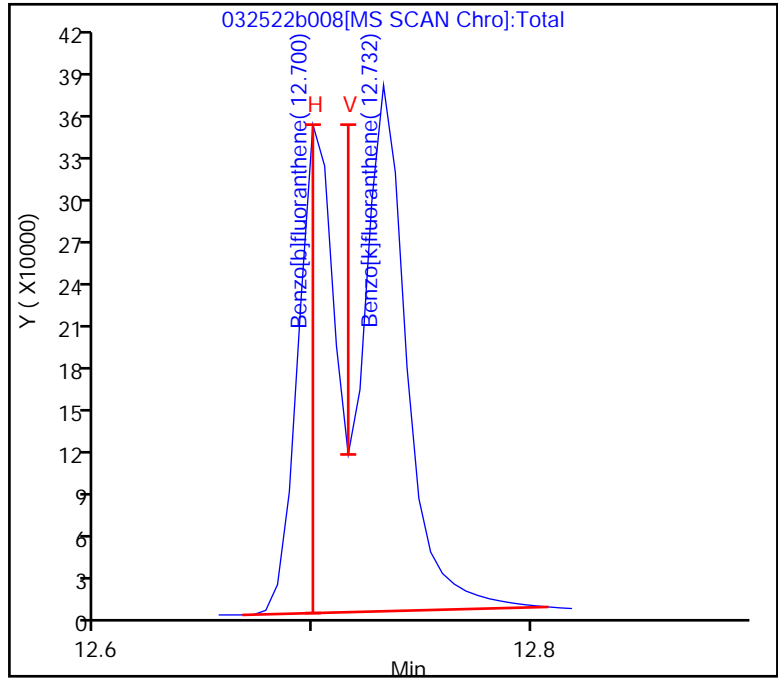
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Injection Date: 25-Mar-2022 17:29:30 Instrument ID: SEA101
Lims ID: ccvis
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0

25 Benzo[b]fluoranthene - 26 Benzo[k]fluoranthene

CLP Method

$\%Resolution = (V/H) * 100$
V(Valley Height) = 232052
H(Smaller Peak Height) = 343688

$\%Resolution = 67.5$, Min. Resolution > 25.0
Passed



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: ICV 580-385060/21 Calibration Date: 03/25/2022 12:50
 Instrument ID: SEA101 Calib Start Date: 03/24/2022 17:00
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/25/2022 02:32
 Lab File ID: 032522a005.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.039	0.9408	0.7000	906	1000	-9.4	20.0
2-Methylnaphthalene	Ave	0.6218	0.6032	0.4000	970	1000	-3.0	20.0
1-Methylnaphthalene	Ave	0.6108	0.5652	0.1000	925	1000	-7.5	20.0
Acenaphthylene	Ave	1.754	1.709	0.9000	974	1000	-2.6	20.0
Acenaphthene	Ave	1.274	1.184	0.9000	929	1000	-7.1	20.0
Fluorene	Ave	1.274	1.291	0.9000	1010	1000	1.4	20.0
Pentachlorophenol	Qua1		0.1900	0.0500	1610	2000	-19.5	20.0
Phenanthrene	Ave	1.172	1.112	0.7000	949	1000	-5.1	20.0
Anthracene	Lin2		1.072	0.7000	956	1000	-4.4	20.0
Fluoranthene	Ave	1.135	1.150	0.6000	1010	1000	1.3	20.0
Pyrene	Ave	1.194	1.156	0.6000	968	1000	-3.2	20.0
Benzo[a]anthracene	Qua2		1.123	0.8000	977	1000	-2.3	20.0
Chrysene	Qua2		1.317	0.7000	912	1000	-8.8	20.0
Benzo[b]fluoranthene	Ave	1.188	1.179	0.7000	993	1000	-0.7	20.0
Benzo[k]fluoranthene	Qua2		1.574	0.7000	1070	1000	6.6	20.0
Benzo[a]pyrene	Ave	1.079	1.229	0.7000	1140	1000	13.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9821	0.9349	0.5000	952	1000	-4.8	20.0
Dibenz(a,h)anthracene	Qua2		1.188	0.4000	994	1000	-0.6	20.0
Benzo[g,h,i]perylene	Ave	1.371	1.368	0.5000	998	1000	-0.2	20.0
2-methylnaphthalene-d10	Ave	0.5479	0.5162		942	1000	-5.8	20.0
2-Fluorobiphenyl	Ave	1.537	1.331		866	1000	-13.4	20.0
2,4,6-Tribromophenol	Qua2		0.1745		894	1000	-10.6	20.0
Fluoranthene-d10 (Surr)	Ave	0.9585	0.9218		962	1000	-3.8	20.0
Terphenyl-d14	Ave	0.6854	0.6686		976	1000	-2.4	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032522a005.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 25-Mar-2022 12:50:30 ALS Bottle#: 18 Worklist Smp#: 21
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: icv
 Operator ID: tl Instrument ID: SEA101
 Sublist:

Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 13:24:37 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1643

First Level Reviewer: limmere Date: 25-Mar-2022 16:59:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	54059	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	71701	100.0	100.0	
* 3 Acenaphthene-d10	164	8.188	8.188	0.000	1	34409	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	55255	100.0	100.0	
* 5 Chrysene-d12	240	11.599	11.604	-0.005	1	45418	100.0	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	40161	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.305	-0.005	95	370126	1000.0	942.1	
\$ 8 2-Fluorobiphenyl	172	7.642	7.642	0.000	1	457930	1000.0	865.6	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	60032	1000.0	894.0	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	509326	1000.0	961.7	
\$ 11 Terphenyl-d14	244	10.721	10.721	0.000	1	369440	1000.0	975.6	
12 Naphthalene	128	6.744	6.749	-0.005	1	674588	1000.0	905.7	
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	432524	1000.0	970.1	
14 1-Methylnaphthalene	142	7.408	7.413	-0.005	1	405268	1000.0	925.3	
15 Acenaphthylene	152	8.070	8.069	0.001	1	587911	1000.0	973.9	
16 Acenaphthene	153	8.213	8.213	0.000	3	407514	1000.0	929.3	
17 Fluorene	166	8.637	8.637	0.000	0	444366	1000.0	1013.8	
18 Pentachlorophenol	266	9.242	9.248	-0.006	1	130735	2000.0	1609.1	
19 Phenanthrene	178	9.418	9.418	0.000	1	614230	1000.0	948.6	
20 Anthracene	178	9.462	9.462	0.000	1	592065	1000.0	956.2	
21 Fluoranthene	202	10.391	10.391	0.000	1	635308	1000.0	1012.9	
22 Pyrene	202	10.576	10.576	0.000	22	638807	1000.0	968.4	
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	510206	1000.0	976.8	
24 Chrysene	228	11.620	11.626	-0.006	1	598104	1000.0	911.7	
25 Benzo[b]fluoranthene	252	12.699	12.705	-0.006	1	473509	1000.0	992.6	
26 Benzo[k]fluoranthene	252	12.732	12.737	-0.005	1	632117	1000.0	1066.0	
27 Benzo[a]pyrene	252	13.073	13.078	-0.005	1	493524	1000.0	1138.4	
28 Indeno[1,2,3-cd]pyrene	276	14.451	14.456	-0.005	1	375450	1000.0	951.9	
29 Dibenz(a,h)anthracene	278	14.494	14.499	-0.005	1	476934	1000.0	994.3	
30 Benzo[g,h,i]perylene	276	14.780	14.785	-0.005	6	549354	1000.0	997.7	

[QC Flag Legend](#)

Processing Flags

[Reagents:](#)

icv_8270_1000_00012

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032522a005.D

Injection Date: 25-Mar-2022 12:50:30

Instrument ID: SEA101

Lims ID: icv

Client ID:

Operator ID: tl

ALS Bottle#: 18

Worklist Smp#: 21

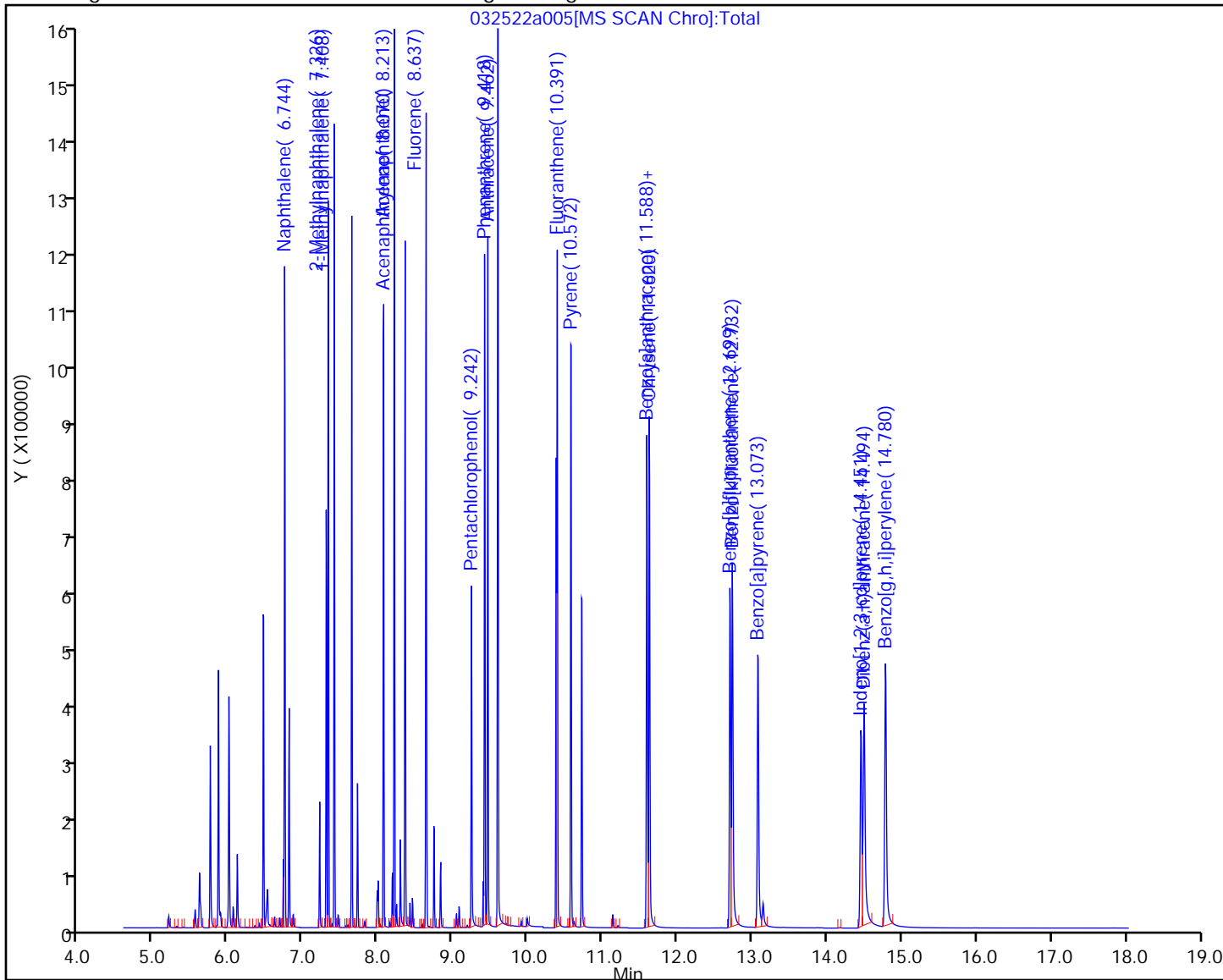
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-385175/3 Calibration Date: 03/25/2022 17:29
 Instrument ID: SEA101 Calib Start Date: 03/24/2022 17:00
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/25/2022 02:32
 Lab File ID: 032522b008.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.039	0.995	0.7000	479	500	-4.2	20.0
2-Methylnaphthalene	Ave	0.6218	0.6201	0.4000	499	500	-0.3	20.0
1-Methylnaphthalene	Ave	0.6108	0.6001	0.1000	491	500	-1.8	20.0
Acenaphthylene	Ave	1.754	1.750	0.9000	499	500	-0.2	20.0
Acenaphthene	Ave	1.274	1.241	0.9000	487	500	-2.6	20.0
Fluorene	Ave	1.274	1.341	0.9000	526	500	5.3	20.0
Pentachlorophenol	Qua1		0.1844	0.0500	837	1000	-16.3	20.0
Phenanthrene	Ave	1.172	1.175	0.7000	501	500	0.3	20.0
Anthracene	Lin2		1.111	0.7000	496	500	-0.8	20.0
Fluoranthene	Ave	1.135	1.177	0.6000	518	500	3.7	20.0
Pyrene	Ave	1.194	1.192	0.6000	499	500	-0.1	20.0
Benzo[a]anthracene	Qua2		1.157	0.8000	507	500	1.4	20.0
Chrysene	Qua2		1.384	0.7000	475	500	-5.1	20.0
Benzo[b]fluoranthene	Ave	1.188	1.176	0.7000	495	500	-1.0	20.0
Benzo[k]fluoranthene	Qua2		1.569	0.7000	530	500	5.9	20.0
Benzo[a]pyrene	Ave	1.079	1.147	0.7000	531	500	6.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9821	1.018	0.5000	518	500	3.6	20.0
Dibenz(a,h)anthracene	Qua2		1.272	0.4000	539	500	7.8	20.0
Benzo[g,h,i]perylene	Ave	1.371	1.467	0.5000	535	500	7.0	20.0
2-methylnaphthalene-d10	Ave	0.5479	0.5448		497	500	-0.6	20.0
Fluoranthene-d10 (Surr)	Ave	0.9585	0.9579		500	500	-0.0	20.0
Terphenyl-d14	Ave	0.6854	0.7015		512	500	2.4	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b008.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 25-Mar-2022 17:29:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: icv
 Operator ID: tl Instrument ID: SEA101
 Sublist: chrom-8270_SIM_SEA101*sub12
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 09:56:43 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 09:56:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	66000	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	87308	100.0	100.0	
* 3 Acenaphthene-d10	164	8.183	8.183	0.000	1	40856	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	65737	100.0	100.0	
* 5 Chrysene-d12	240	11.599	11.599	0.000	1	52494	100.0	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	50080	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.300	0.000	97	237827	500.0	497.1	
\$ 8 2-Fluorobiphenyl	172	7.643	7.643	0.000	1	293862	500.0	467.8	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	36624	500.0	478.3	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	314858	500.0	499.7	
\$ 11 Terphenyl-d14	244	10.716	10.716	0.000	1	230572	500.0	511.8	
12 Naphthalene	128	6.744	6.744	0.000	1	434467	500.0	479.0	
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	270703	500.0	498.6	
14 1-Methylnaphthalene	142	7.408	7.408	0.000	1	261967	500.0	491.2	
15 Acenaphthylene	152	8.065	8.065	0.000	1	357508	500.0	498.8	
16 Acenaphthene	153	8.213	8.213	0.000	2	253540	500.0	487.0	
17 Fluorene	166	8.637	8.637	0.000	0	273884	500.0	526.3	
18 Pentachlorophenol	266	9.242	9.242	0.000	1	75358	1000.0	837.1	
19 Phenanthrene	178	9.419	9.419	0.000	1	386145	500.0	501.3	
20 Anthracene	178	9.463	9.463	0.000	1	365233	500.0	496.1	
21 Fluoranthene	202	10.391	10.391	0.000	1	386758	500.0	518.3	
22 Pyrene	202	10.572	10.572	0.000	22	391902	500.0	499.4	
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	303551	500.0	507.0	
24 Chrysene	228	11.621	11.621	0.000	1	363281	500.0	474.6	
25 Benzo[b]fluoranthene	252	12.700	12.700	0.000	1	294565	500.0	495.2	
26 Benzo[k]fluoranthene	252	12.732	12.732	0.000	1	392987	500.0	529.7	
27 Benzo[a]pyrene	252	13.073	13.073	0.000	1	287092	500.0	531.1	
28 Indeno[1,2,3-cd]pyrene	276	14.451	14.451	0.000	1	254891	500.0	518.2	
29 Dibenz(a,h)anthracene	278	14.494	14.494	0.000	1	318602	500.0	538.9	
30 Benzo[g,h,i]perylene	276	14.780	14.780	0.000	7	367281	500.0	534.9	

[QC Flag Legend](#)

Processing Flags

[Reagents:](#)

ccv_SIM_500_00086

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b008.D

Injection Date: 25-Mar-2022 17:29:30

Instrument ID: SEA101

Lims ID: ccvis

Client ID:

Operator ID: tl

ALS Bottle#: 3

Worklist Smp#: 3

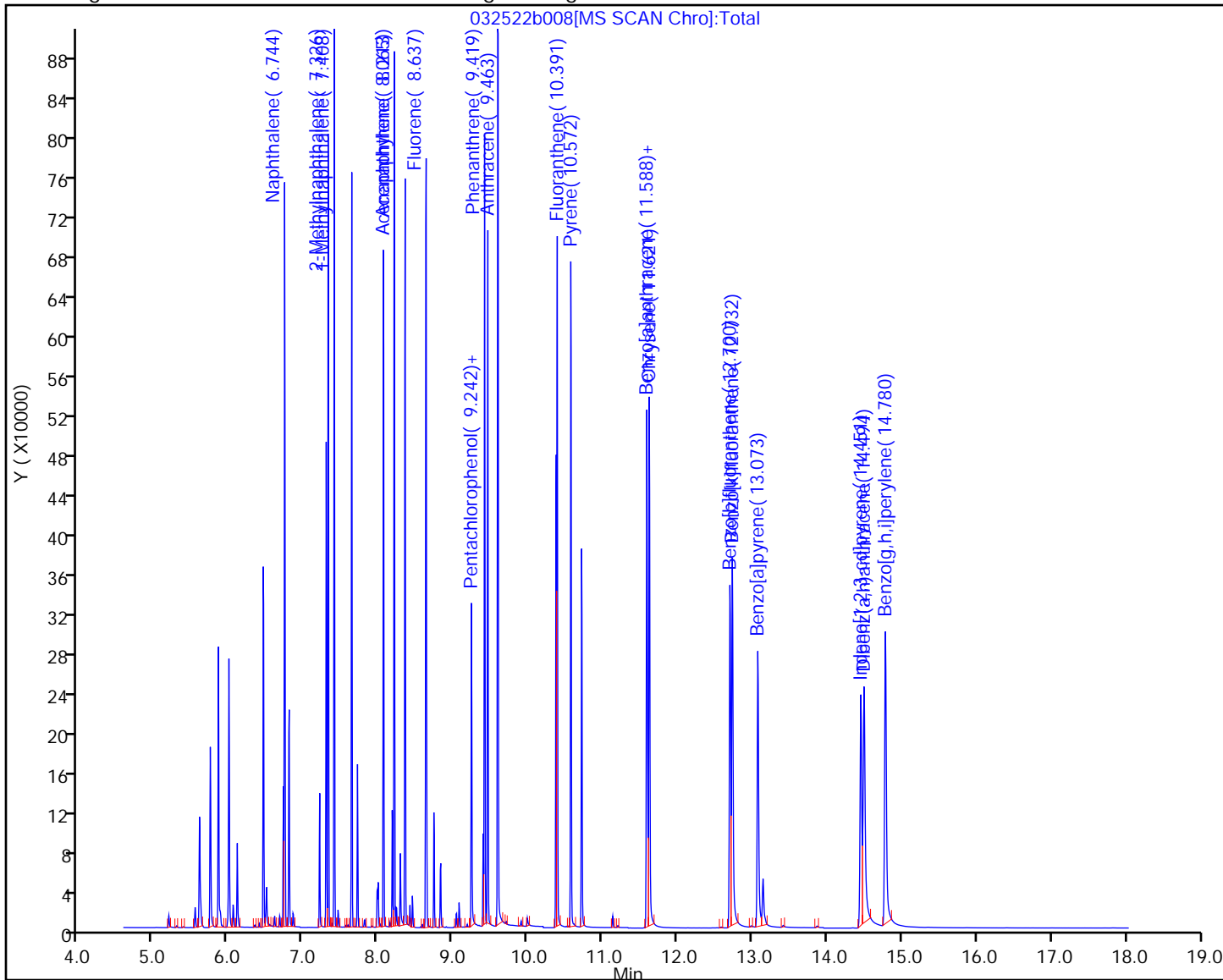
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVC 580-385175/21 Calibration Date: 03/26/2022 00:51
 Instrument ID: SEA101 Calib Start Date: 03/24/2022 17:00
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 03/25/2022 02:32
 Lab File ID: 032522b026.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.039	1.004	0.7000	483	500	-3.4	50.0
2-Methylnaphthalene	Ave	0.6218	0.6299	0.4000	506	500	1.3	50.0
1-Methylnaphthalene	Ave	0.6108	0.6126	0.1000	501	500	0.3	50.0
Acenaphthylene	Ave	1.754	1.812	0.9000	517	500	3.3	50.0
Acenaphthene	Ave	1.274	1.266	0.9000	497	500	-0.7	50.0
Fluorene	Ave	1.274	1.354	0.9000	531	500	6.3	50.0
Pentachlorophenol	Qua1		0.2201	0.0500	979	1000	-2.1	50.0
Phenanthrene	Ave	1.172	1.163	0.7000	496	500	-0.8	50.0
Anthracene	Lin2		1.147	0.7000	512	500	2.4	50.0
Fluoranthene	Ave	1.135	1.215	0.6000	535	500	7.0	50.0
Pyrene	Ave	1.194	1.251	0.6000	524	500	4.8	50.0
Benzo[a]anthracene	Qua2		1.271	0.8000	557	500	11.4	50.0
Chrysene	Qua2		1.370	0.7000	470	500	-6.1	50.0
Benzo[b]fluoranthene	Ave	1.188	1.153	0.7000	485	500	-3.0	50.0
Benzo[k]fluoranthene	Qua2		1.366	0.7000	461	500	-7.8	50.0
Benzo[a]pyrene	Ave	1.079	1.097	0.7000	508	500	1.7	50.0
Indeno[1,2,3-cd]pyrene	Ave	0.9821	1.072	0.5000	546	500	9.2	50.0
Dibenz(a,h)anthracene	Qua2		1.247	0.4000	528	500	5.7	50.0
Benzo[g,h,i]perylene	Ave	1.371	1.390	0.5000	507	500	1.4	50.0
2-methylnaphthalene-d10	Ave	0.5479	0.5490		501	500	0.2	50.0
Fluoranthene-d10 (Surr)	Ave	0.9585	1.007		525	500	5.0	50.0
Terphenyl-d14	Ave	0.6854	0.7057		515	500	3.0	50.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b026.D
 Lims ID: ccvc
 Client ID:
 Sample Type: CCVC
 Inject. Date: 26-Mar-2022 00:51:30 ALS Bottle#: 3 Worklist Smp#: 21
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: ccvc
 Operator ID: tl Instrument ID: SEA101
 Sublist: chrom-8270_SIM_SEA101*sub12

Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 10:55:09 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D

Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 10:55:09

Compound	Sig	RT (min.)	Exp RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	69600	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	91337	100.0	100.0	
* 3 Acenaphthene-d10	164	8.183	8.183	0.000	1	43772	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	71802	100.0	100.0	
* 5 Chrysene-d12	240	11.599	11.599	0.000	1	58742	100.0	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	66737	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.300	0.000	97	250731	500.0	501.0	
\$ 8 2-Fluorobiphenyl	172	7.642	7.643	0.000	1	312143	500.0	463.8	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	46041	500.0	556.2	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	361439	500.0	525.2	
\$ 11 Terphenyl-d14	244	10.716	10.716	0.000	1	253353	500.0	514.8	
12 Naphthalene	128	6.744	6.744	0.000	1	458325	500.0	483.0	
13 2-Methylnaphthalene	142	7.326	7.331	-0.005	1	287653	500.0	506.5	
14 1-Methylnaphthalene	142	7.408	7.408	0.000	1	279759	500.0	501.4	
15 Acenaphthylene	152	8.065	8.065	0.000	1	396658	500.0	516.5	
16 Acenaphthene	153	8.208	8.213	-0.005	6	277067	500.0	496.7	
17 Fluorene	166	8.632	8.637	-0.005	1	296239	500.0	531.3	
18 Pentachlorophenol	266	9.242	9.242	0.000	1	96321	1000.0	978.5	
19 Phenanthrene	178	9.418	9.419	0.000	1	417432	500.0	496.1	
20 Anthracene	178	9.462	9.463	-0.001	1	411657	500.0	511.9	
21 Fluoranthene	202	10.391	10.391	0.000	1	436222	500.0	535.2	
22 Pyrene	202	10.572	10.572	0.000	22	448956	500.0	523.8	
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	373365	500.0	556.8	
24 Chrysene	228	11.621	11.621	0.000	1	402311	500.0	469.7	
25 Benzo[b]fluoranthene	252	12.699	12.700	-0.001	1	384623	500.0	485.2	
26 Benzo[k]fluoranthene	252	12.732	12.732	0.000	1	455932	500.0	460.9	
27 Benzo[a]pyrene	252	13.073	13.073	0.000	1	366185	500.0	508.3	
28 Indeno[1,2,3-cd]pyrene	276	14.451	14.451	0.000	1	357759	500.0	545.8	
29 Dibenz(a,h)anthracene	278	14.494	14.494	0.000	1	416053	500.0	528.3	
30 Benzo[g,h,i]perylene	276	14.780	14.780	0.000	7	463842	500.0	506.9	

[QC Flag Legend](#)

Processing Flags

[Reagents:](#)

ccv_SIM_500_00086

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b026.D

Injection Date: 26-Mar-2022 00:51:30

Instrument ID: SEA101

Lims ID: ccvc

Client ID:

Operator ID: tl

ALS Bottle#: 3

Worklist Smp#: 21

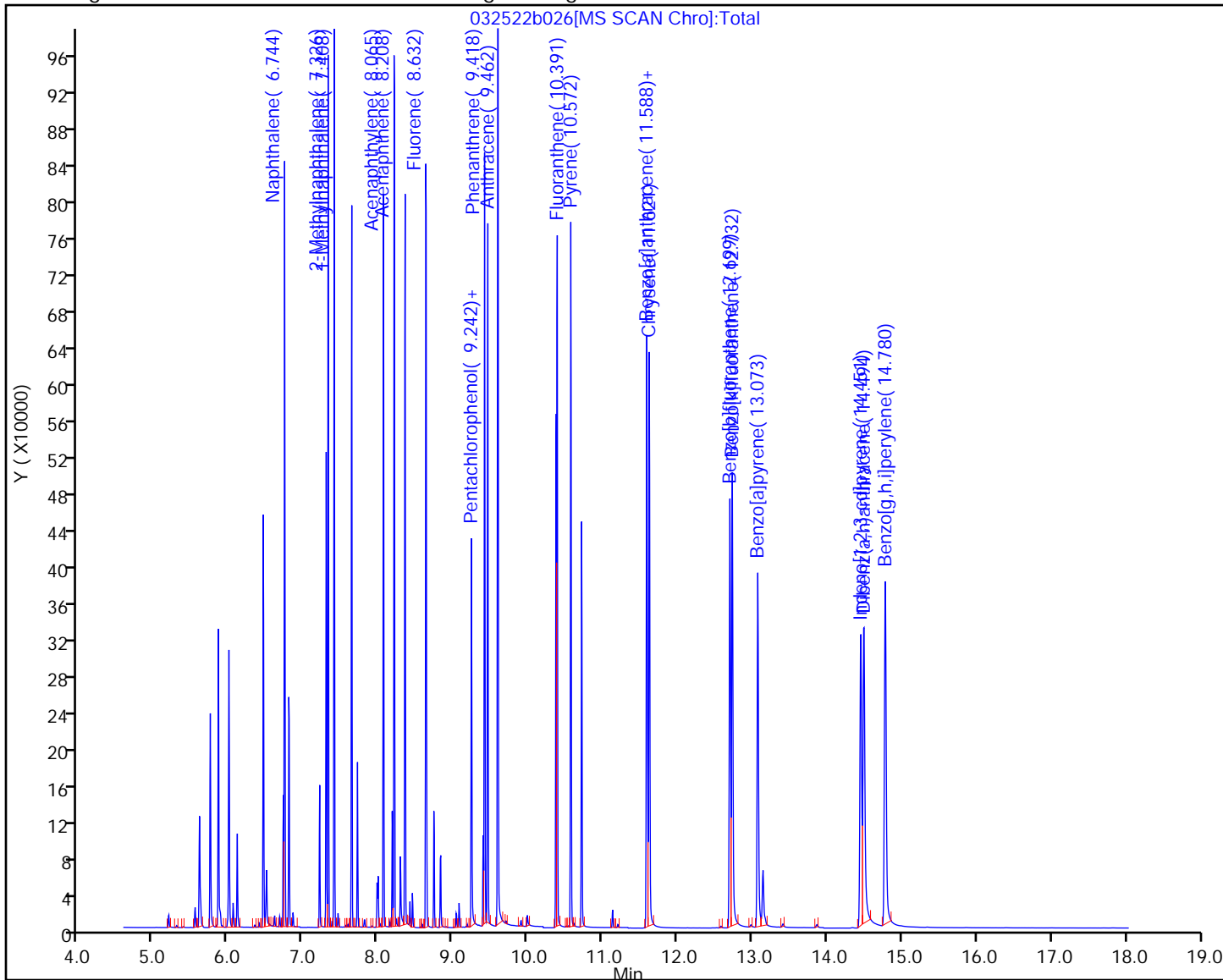
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: ICV 580-378263/18 Calibration Date: 01/14/2022 05:42
 Instrument ID: TAC050 Calib Start Date: 01/14/2022 01:16
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 01/14/2022 05:04
 Lab File ID: SIM011322b028.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.058	1.007	0.7000	952	1000	-4.8	20.0
2-Methylnaphthalene	Ave	0.5998	0.5457	0.4000	910	1000	-9.0	20.0
1-Methylnaphthalene	Ave	0.5810	0.5330	0.1000	917	1000	-8.3	20.0
Acenaphthylene	Ave	2.114	2.031	0.9000	961	1000	-3.9	20.0
Acenaphthene	Ave	1.327	1.304	0.9000	983	1000	-1.7	20.0
Fluorene	Ave	1.479	1.471	0.9000	995	1000	-0.5	20.0
Pentachlorophenol	Qua2		0.1481	0.0500	2040	2000	1.8	20.0
Phenanthrene	Lin2		1.270	0.7000	1010	1000	1.0	20.0
Anthracene	Lin2		1.275	0.7000	1000	1000	0.4	20.0
Fluoranthene	Lin2		1.256	0.6000	1010	1000	1.1	20.0
Pyrene	Lin2		1.328	0.6000	1010	1000	1.5	20.0
Benzo[a]anthracene	Lin2		1.464	0.8000	1020	1000	1.9	20.0
Chrysene	Lin2		1.493	0.7000	996	1000	-0.4	20.0
Bis(2-ethylhexyl) phthalate	Qua2		1.780	0.0100	978	1000	-2.2	20.0
Benzo[b]fluoranthene	Lin2		1.349	0.7000	1030	1000	3.4	20.0
Benzo[k]fluoranthene	Lin2		1.500	0.7000	1030	1000	2.6	20.0
Benzo[a]pyrene	Lin2		1.374	0.7000	1060	1000	5.5	20.0
Indeno[1,2,3-cd]pyrene	Qua2		1.131	0.5000	1020	1000	2.4	20.0
Dibenz(a,h)anthracene	Lin2		1.281	0.4000	1020	1000	1.9	20.0
Benzo[g,h,i]perylene	Lin2		1.378	0.5000	1010	1000	1.1	20.0
2-methylnaphthalene-d10	Ave	0.5916	0.5528		934	1000	-6.6	20.0
2-Fluorobiphenyl	Ave	1.600	1.469		918	1000	-8.2	20.0
2,4,6-Tribromophenol	Qua1		0.2598		945	1000	-5.5	20.0
Fluoranthene-d10 (Surr)	Lin2		1.001		969	1000	-3.1	20.0
Terphenyl-d14	Ave	0.8014	0.7713		962	1000	-3.8	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b028.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 14-Jan-2022 05:42:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: icv
 Operator ID: jcm Instrument ID: TAC050
 Sublist:

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 14-Jan-2022 15:42:24 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:32:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	19239	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	70	9013	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	13922	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	75	11197	100.0	100.0	
* 5 Perylene-d12	264	13.075	13.074	0.000	69	12527	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	106359	1000.0	934.5	
\$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	132367	1000.0	917.8	
\$ 7 2,4,6-Tribromophenol	330	7.628	7.628	0.000	58	23413	1000.0	944.8	
\$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	139357	1000.0	968.9	
\$ 9 Terphenyl-d14	244	9.896	9.896	0.000	95	107374	1000.0	962.3	
11 Naphthalene	128	5.189	5.189	0.000	100	193644	1000.0	951.7	
12 2-Methylnaphthalene	141	5.841	5.841	0.000	96	104994	1000.0	909.8	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	98	102546	1000.0	917.4	
14 Acenaphthylene	152	6.717	6.717	0.000	100	183034	1000.0	960.6	
15 Acenaphthene	153	6.885	6.884	0.001	97	117557	1000.0	983.1	
16 Fluorene	166	7.394	7.389	0.005	93	132613	1000.0	994.8	
17 Pentachlorophenol	266	8.126	8.126	0.000	98	33157	2000.0	2035.3	
18 Phenanthrene	178	8.342	8.342	0.000	100	176875	1000.0	1010.5	
19 Anthracene	178	8.393	8.389	0.004	100	177512	1000.0	1003.8	
20 Fluoranthene	202	9.522	9.522	0.000	56	174864	1000.0	1011.1	
21 Pyrene	202	9.746	9.746	0.000	52	184839	1000.0	1014.5	
22 Benzo[a]anthracene	228	11.012	11.012	0.000	95	163943	1000.0	1018.6	M
23 Chrysene	228	11.058	11.057	0.001	99	167226	1000.0	995.6	
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.895	0.000	0	199292	1000.0	978.3	Ma
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	98	168933	1000.0	1033.6	a
25 Benzo[k]fluoranthene	252	12.516	12.511	0.005	95	187859	1000.0	1025.7	
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	172065	1000.0	1055.1	
27 Indeno[1,2,3-cd]pyrene	276	14.941	14.935	0.006	96	141658	1000.0	1024.2	
28 Dibenz(a,h)anthracene	278	14.984	14.984	0.000	96	160457	1000.0	1018.8	
29 Benzo[g,h,i]perylene	276	15.429	15.429	0.000	95	172648	1000.0	1011.3	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

icv_8270_1000_00014

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b028.D

Injection Date: 14-Jan-2022 05:42:30

Instrument ID: TAC050

Lims ID: ICV

Client ID:

Operator ID: jcm

ALS Bottle#: 18

Worklist Smp#: 18

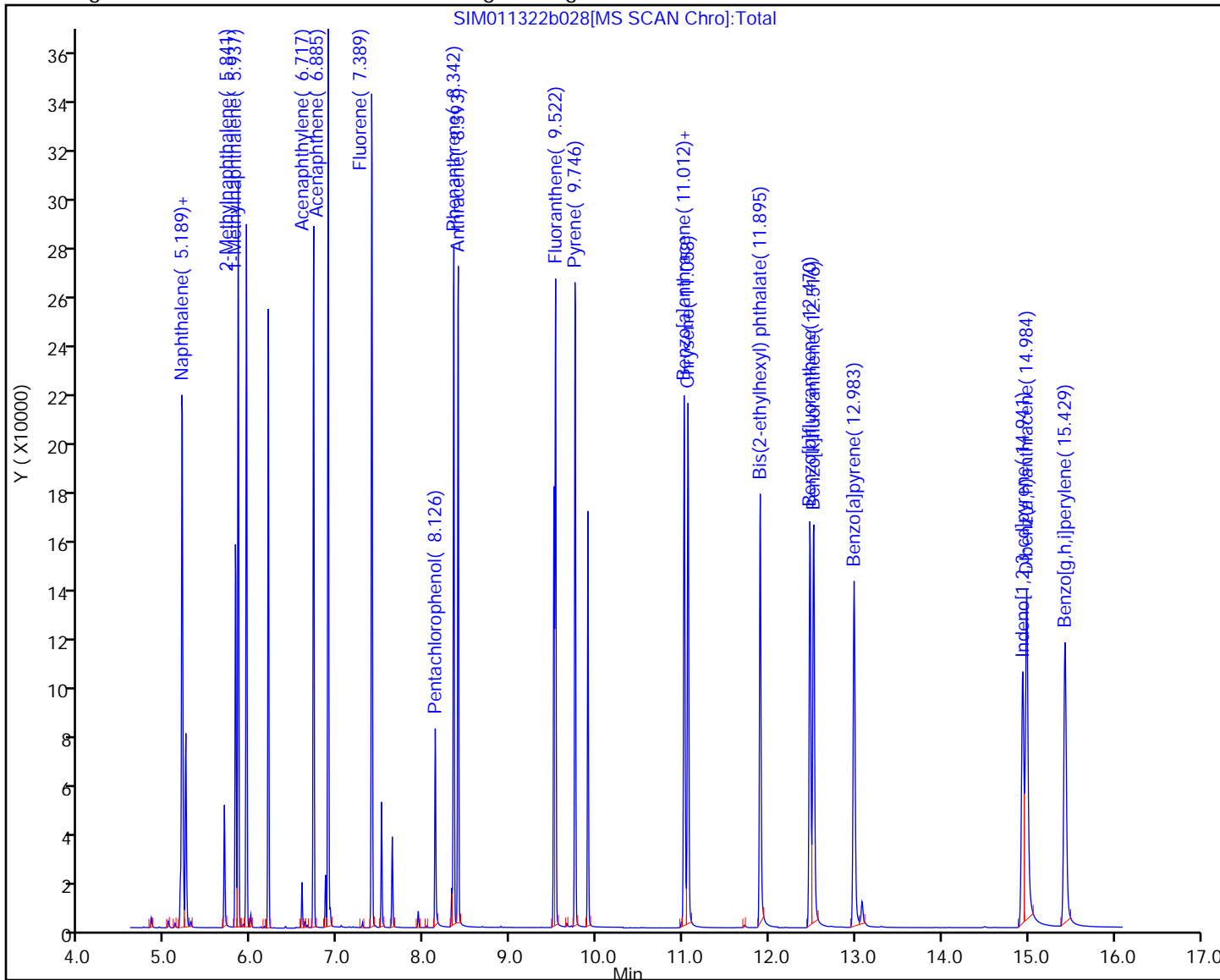
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

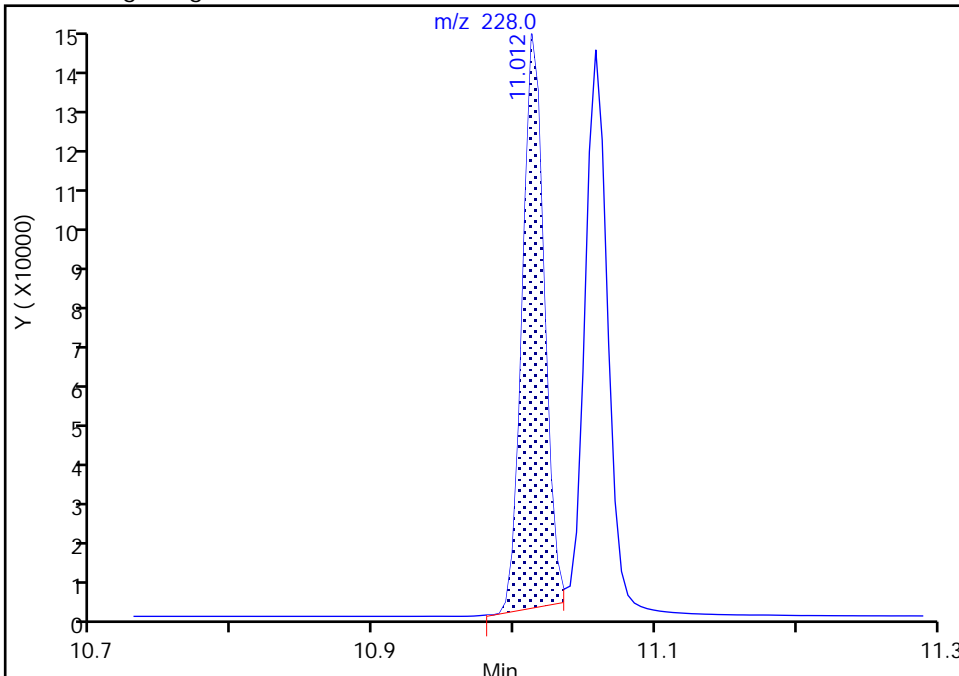
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b028.D
Injection Date: 14-Jan-2022 05:42:30 Instrument ID: TAC050
Lims ID: ICV
Client ID:
Operator ID: jcm ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

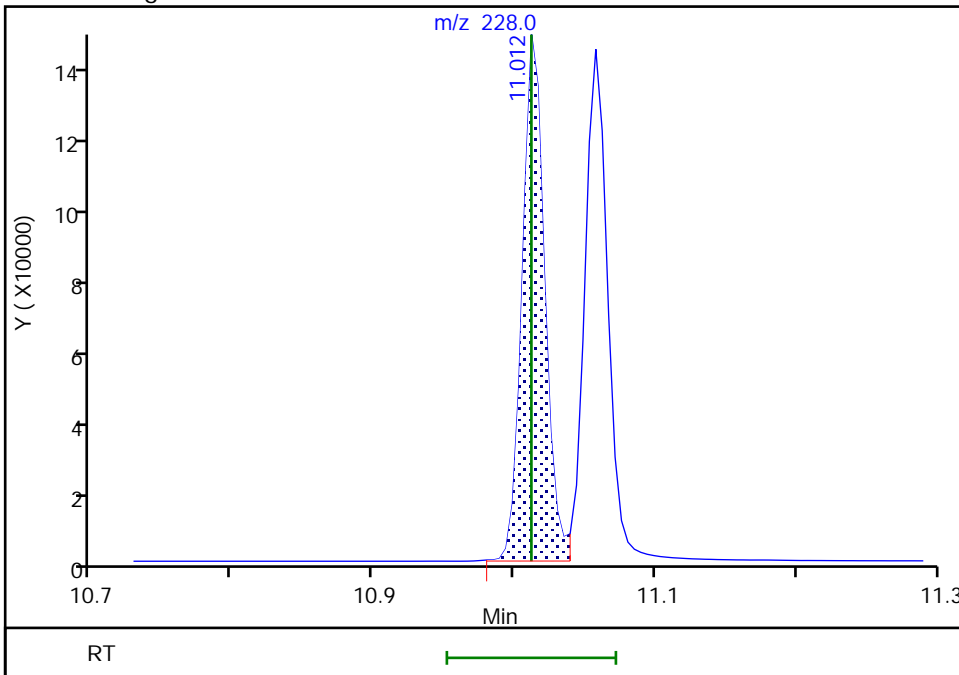
RT: 11.01
Area: 156356
Amount: 971.4247
Amount Units: ug/L

Processing Integration Results



RT: 11.01
Area: 163943
Amount: 1018.6257
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 15:39:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

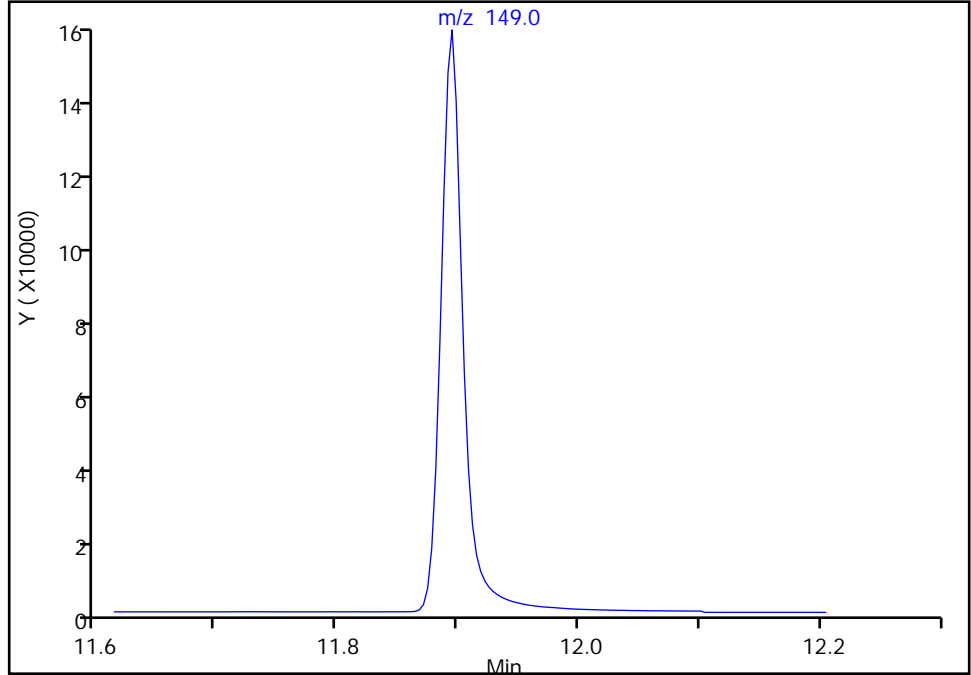
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b028.D
Injection Date: 14-Jan-2022 05:42:30 Instrument ID: TAC050
Lims ID: ICV
Client ID:
Operator ID: jcm ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

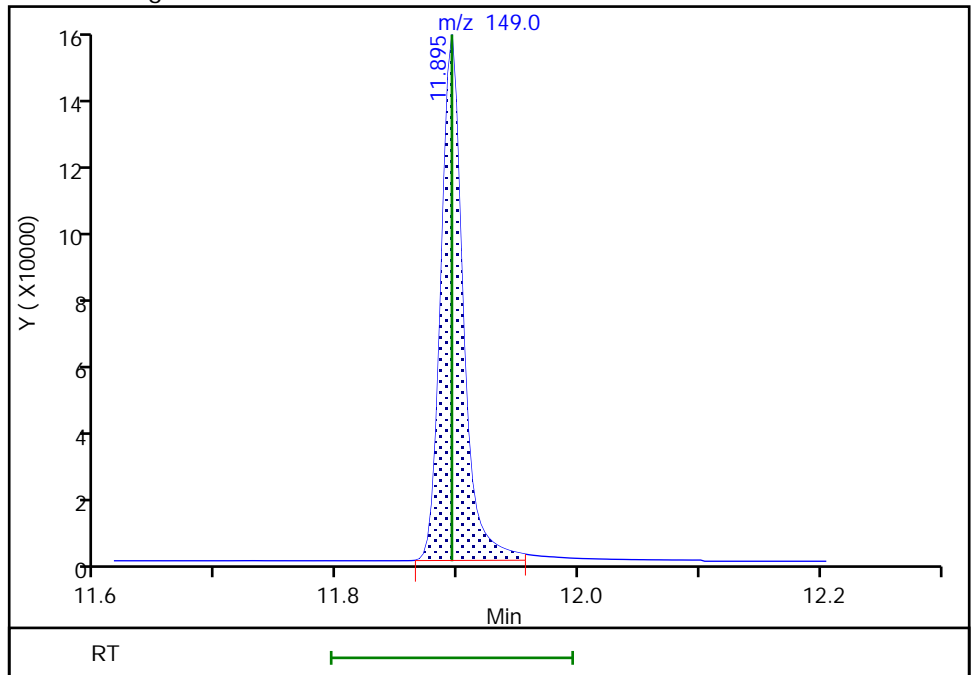
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 199292
Amount: 978.3341
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 15:39:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Seattle

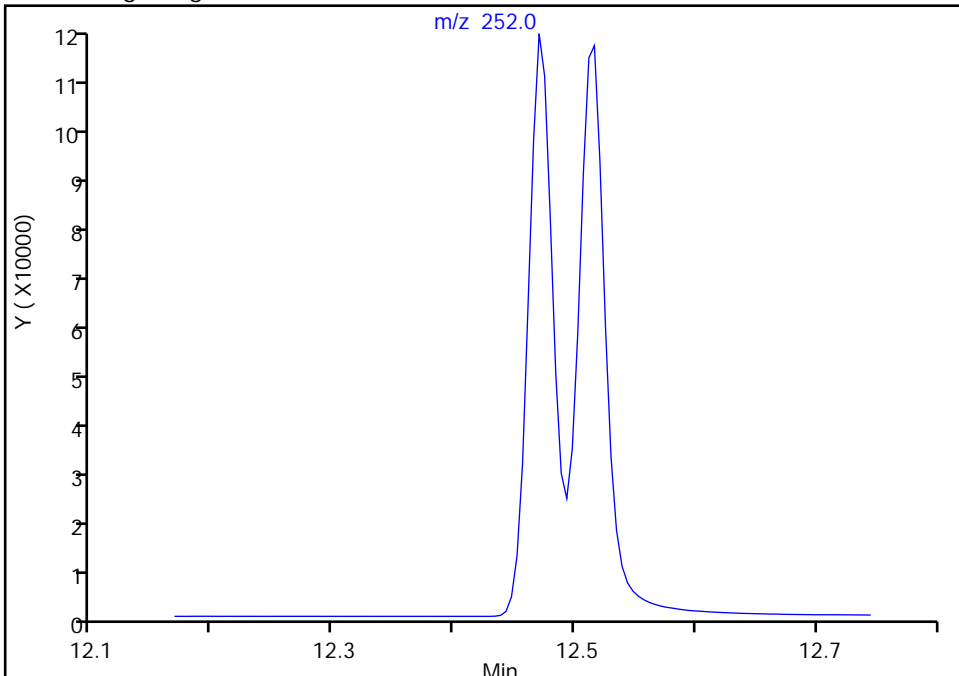
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b028.D
Injection Date: 14-Jan-2022 05:42:30 Instrument ID: TAC050
Lims ID: ICV
Client ID:
Operator ID: jcm ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

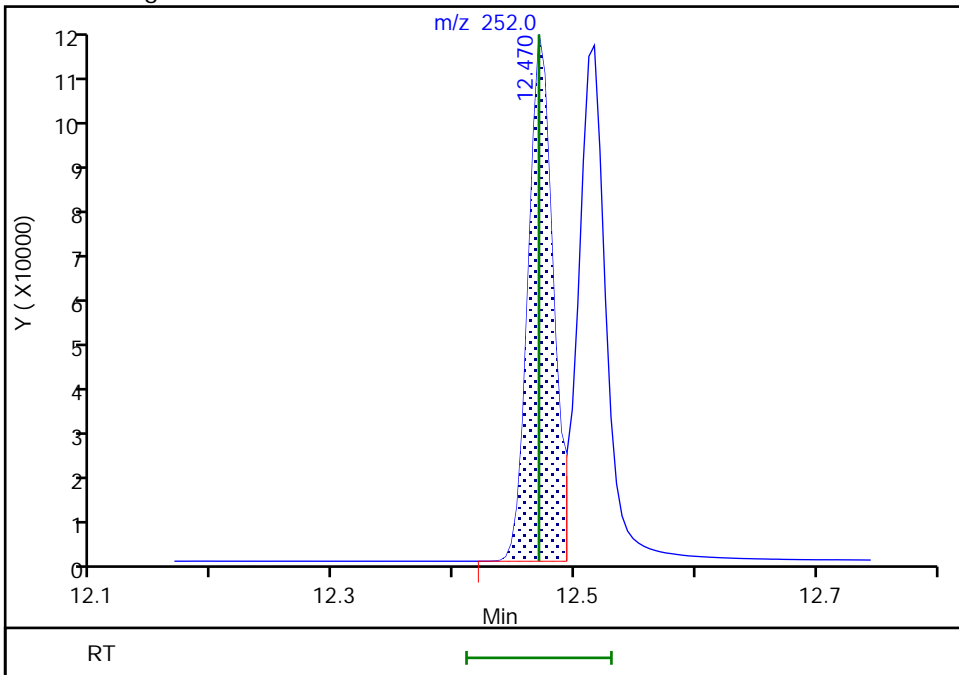
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 168933
Amount: 1033.6214
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 15:39:17
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-384521/3 Calibration Date: 03/21/2022 10:58
 Instrument ID: TAC050 Calib Start Date: 01/14/2022 01:16
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 01/14/2022 05:04
 Lab File ID: SIM032122a004.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.058	0.9712	0.7000	459	500	-8.2	20.0
2-Methylnaphthalene	Ave	0.5998	0.5299	0.4000	442	500	-11.7	20.0
1-Methylnaphthalene	Ave	0.5810	0.5257	0.1000	452	500	-9.5	20.0
Acenaphthylene	Ave	2.114	1.774	0.9000	419	500	-16.1	20.0
Acenaphthene	Ave	1.327	1.202	0.9000	453	500	-9.4	20.0
Fluorene	Ave	1.479	1.406	0.9000	475	500	-4.9	20.0
Pentachlorophenol	Qua2		0.1182	0.0500	1020	1000	1.9	20.0
Phenanthrene	Lin2		1.123	0.7000	446	500	-10.8	20.0
Anthracene	Lin2		1.138	0.7000	447	500	-10.5	20.0
Fluoranthene	Lin2		1.209	0.6000	486	500	-2.8	20.0
Pyrene	Lin2		1.290	0.6000	492	500	-1.5	20.0
Benzo[a]anthracene	Lin2		1.309	0.8000	455	500	-9.1	20.0
Chrysene	Lin2		1.334	0.7000	444	500	-11.2	20.0
Bis(2-ethylhexyl) phthalate	Qua2		1.337	0.0100	384	500	-23.2*	20.0
Benzo[b]fluoranthene	Lin2		1.202	0.7000	460	500	-8.0	20.0
Benzo[k]fluoranthene	Lin2		1.368	0.7000	467	500	-6.5	20.0
Benzo[a]pyrene	Lin2		1.112	0.7000	427	500	-14.7	20.0
Indeno[1,2,3-cd]pyrene	Qua2		1.108	0.5000	505	500	1.1	20.0
Dibenz(a,h)anthracene	Lin2		1.259	0.4000	500	500	0.0	20.0
Benzo[g,h,i]perylene	Lin2		1.379	0.5000	506	500	1.1	20.0
2-methylnaphthalene-d10	Ave	0.5916	0.5647		477	500	-4.5	20.0
2-Fluorobiphenyl	Ave	1.600	1.379		431	500	-13.8	20.0
2,4,6-Tribromophenol	Qua1		0.3088		571	500	14.3	20.0
Fluoranthene-d10 (Surr)	Lin2		1.022		494	500	-1.2	20.0
Terphenyl-d14	Ave	0.8014	0.7715		481	500	-3.7	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a004.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 21-Mar-2022 10:58:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: CCVIS
 Operator ID: tl Instrument ID: TAC050
 Sublist: chrom-TAC050_SIM_PAH*sub9
 Method: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 22-Mar-2022 08:55:16 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1663

First Level Reviewer: limwirojt Date: 22-Mar-2022 08:55:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.148	5.148	0.000	90	19142	100.0	100.0	
* 2 Acenaphthene-d10	164	6.832	6.832	0.000	69	9947	100.0	100.0	
* 3 Phenanthrene-d10	188	8.299	8.299	0.000	56	17460	100.0	100.0	
* 4 Chrysene-d12	240	11.007	11.007	0.000	80	15548	100.0	100.0	
* 5 Perylene-d12	264	13.056	13.056	0.000	69	17646	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	54051	500.0	477.3	
\$ 10 2-Fluorobiphenyl	172	6.170	6.170	0.000	0	68572	500.0	430.8	a
\$ 7 2,4,6-Tribromophenol	330	7.614	7.614	0.000	56	15357	500.0	571.5	
\$ 8 Fluoranthene-d10 (Surr)	212	9.487	9.487	0.000	67	89188	500.0	493.9	
\$ 9 Terphenyl-d14	244	9.876	9.876	0.000	94	67350	500.0	481.3	
11 Naphthalene	128	5.166	5.166	0.000	100	92956	500.0	459.1	
12 2-Methylnaphthalene	141	5.818	5.818	0.000	98	50720	500.0	441.7	
13 1-Methylnaphthalene	141	5.914	5.914	0.000	99	50317	500.0	452.4	
14 Acenaphthylene	152	6.695	6.695	0.000	100	88217	500.0	419.5	
15 Acenaphthene	153	6.862	6.862	0.000	95	59788	500.0	453.0	
16 Fluorene	166	7.371	7.371	0.000	95	69941	500.0	475.4	
17 Pentachlorophenol	266	8.114	8.114	0.000	97	18371	1000.0	1018.8	
18 Phenanthrene	178	8.323	8.323	0.000	100	98056	500.0	446.0	
19 Anthracene	178	8.374	8.374	0.000	100	99310	500.0	447.3	
20 Fluoranthene	202	9.502	9.502	0.000	52	105587	500.0	486.2	
21 Pyrene	202	9.731	9.731	0.000	51	112623	500.0	492.3	
22 Benzo[a]anthracene	228	10.994	10.994	0.000	95	101757	500.0	454.6	
23 Chrysene	228	11.039	11.039	0.000	98	103725	500.0	443.9	
30 Bis(2-ethylhexyl) phthalate	149	11.858	11.858	0.000	0	103916	500.0	383.9	Ma
24 Benzo[b]fluoranthene	252	12.447	12.447	0.000	96	106063	500.0	460.2	
25 Benzo[k]fluoranthene	252	12.489	12.489	0.000	93	120700	500.0	467.4	
26 Benzo[a]pyrene	252	12.960	12.960	0.000	95	98102	500.0	426.6	
27 Indeno[1,2,3-cd]pyrene	276	14.913	14.913	0.000	93	97744	500.0	505.5	M
28 Dibenz(a,h)anthracene	278	14.962	14.962	0.000	94	111059	500.0	500.3	a
29 Benzo[g,h,i]perylene	276	15.407	15.407	0.000	92	121672	500.0	505.6	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

ccv_SIM_500_00086

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a004.D

Injection Date: 21-Mar-2022 10:58:30

Instrument ID: TAC050

Lims ID: ccvis

Client ID:

Operator ID: tl

ALS Bottle#: 3

Worklist Smp#: 3

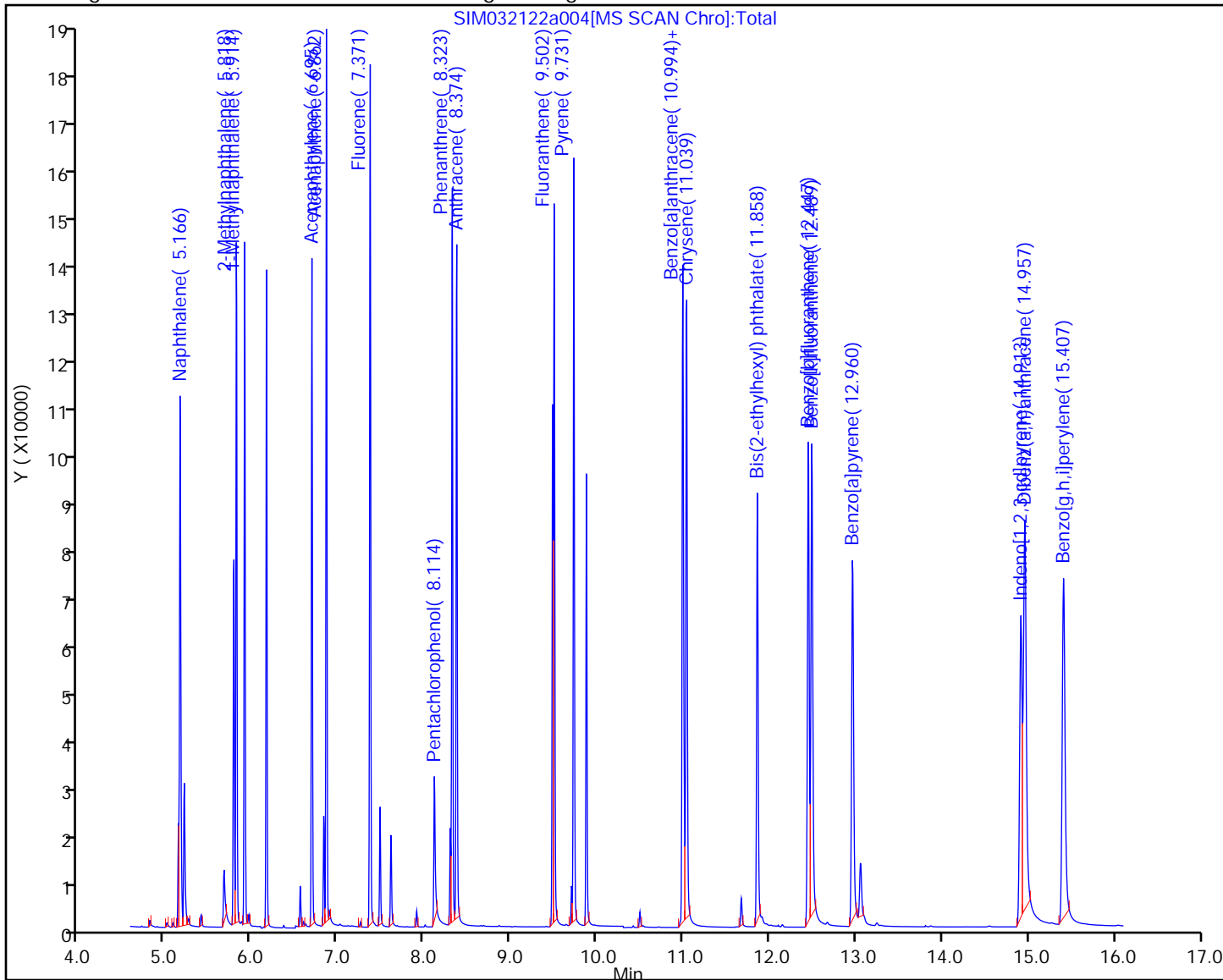
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

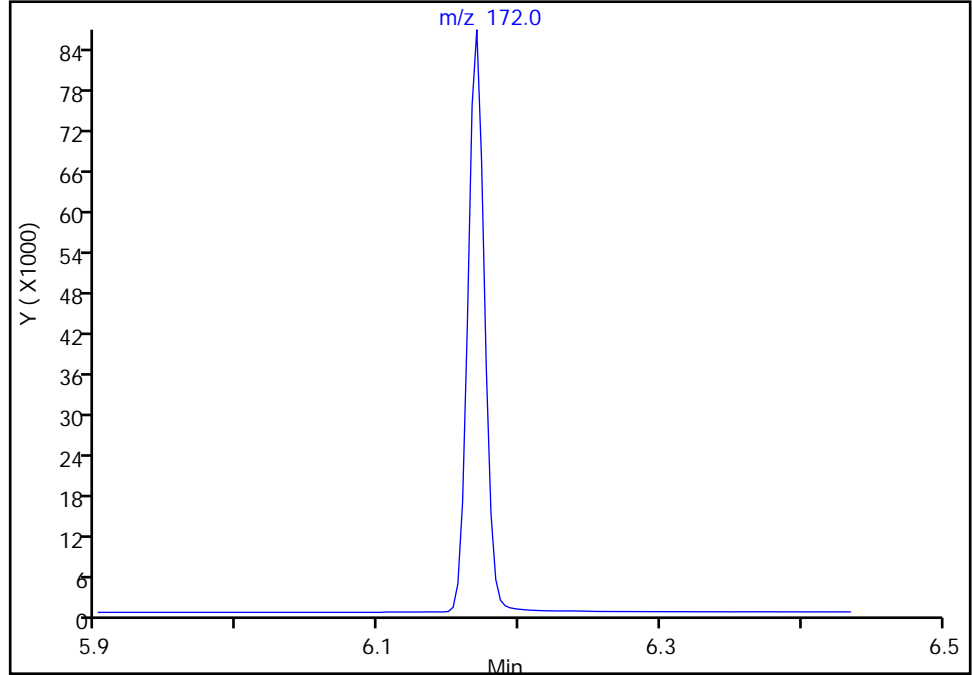
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a004.D
Injection Date: 21-Mar-2022 10:58:30 Instrument ID: TAC050
Lims ID: ccvis
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

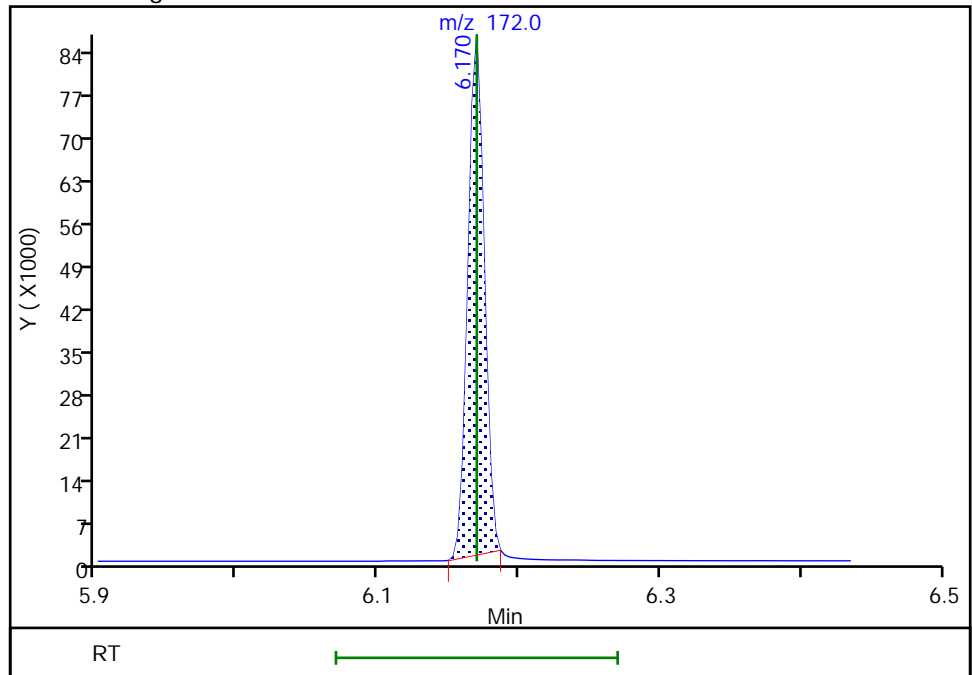
Not Detected
Expected RT: 6.17

Processing Integration Results



Manual Integration Results

RT: 6.17
Area: 68572
Amount: 430.8106
Amount Units: ug/L



Reviewer: limmere, 21-Mar-2022 11:48:43
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Seattle

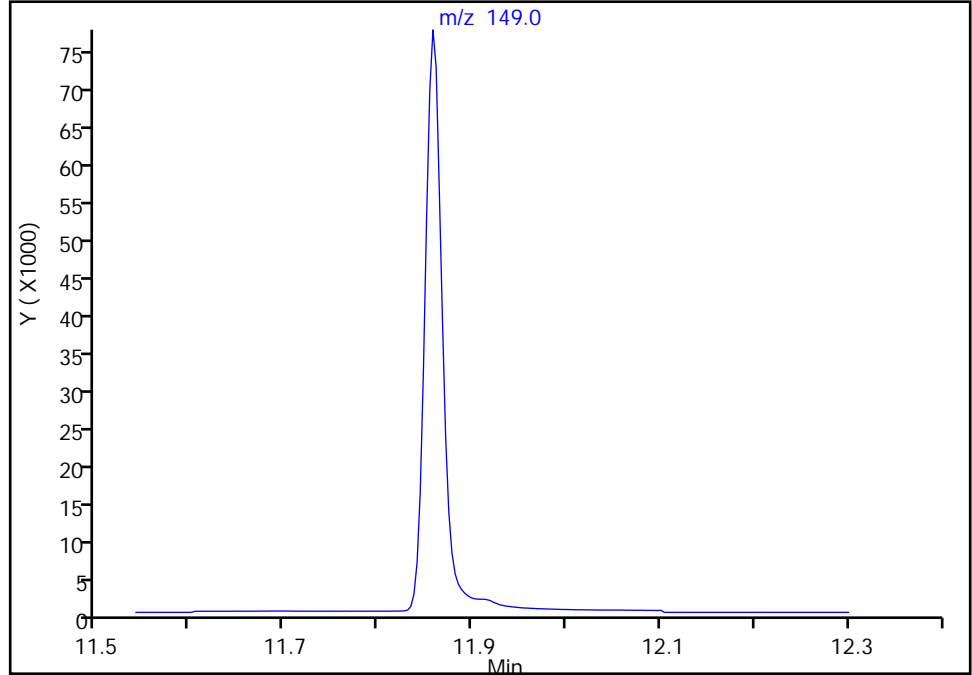
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a004.D
Injection Date: 21-Mar-2022 10:58:30 Instrument ID: TAC050
Lims ID: ccvis
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

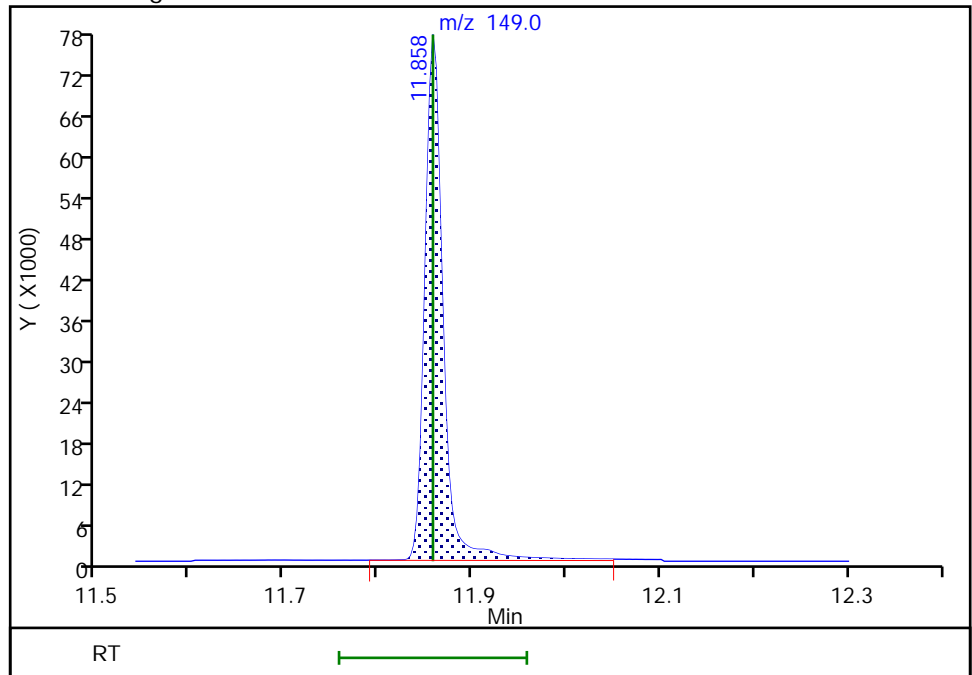
Not Detected
Expected RT: 11.86

Processing Integration Results



Manual Integration Results

RT: 11.86
Area: 103916
Amount: 383.9333
Amount Units: ug/L



Reviewer: limmere, 21-Mar-2022 11:49:11
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

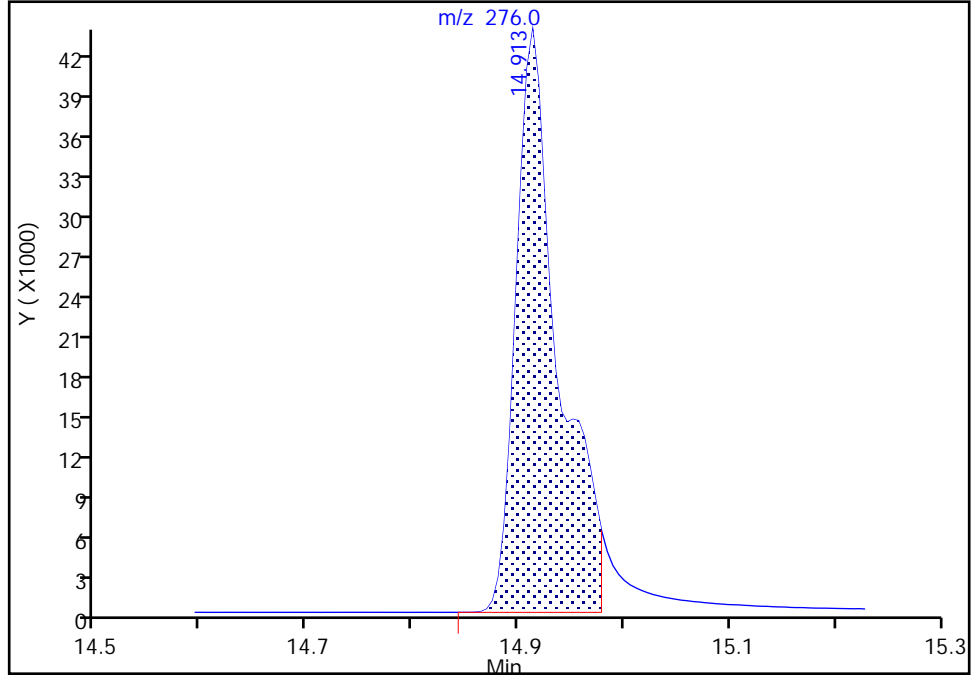
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a004.D
Injection Date: 21-Mar-2022 10:58:30 Instrument ID: TAC050
Lims ID: ccvis
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

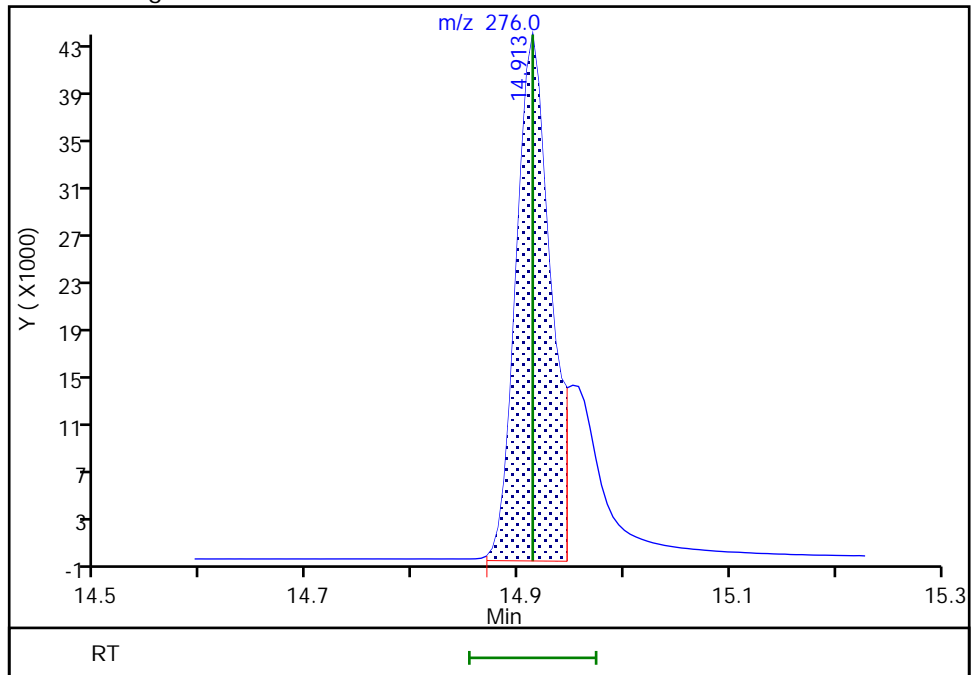
RT: 14.91
Area: 120212
Amount: 620.6304
Amount Units: ug/L

Processing Integration Results



RT: 14.91
Area: 97744
Amount: 505.4950
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 21-Mar-2022 11:49:22
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Seattle

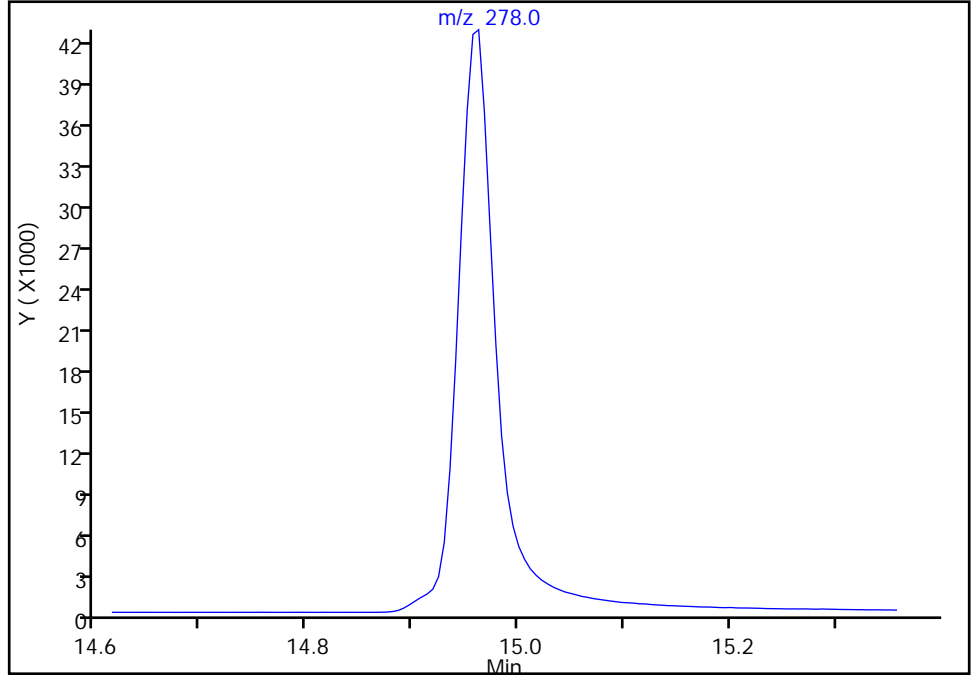
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a004.D
Injection Date: 21-Mar-2022 10:58:30 Instrument ID: TAC050
Lims ID: ccvis
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

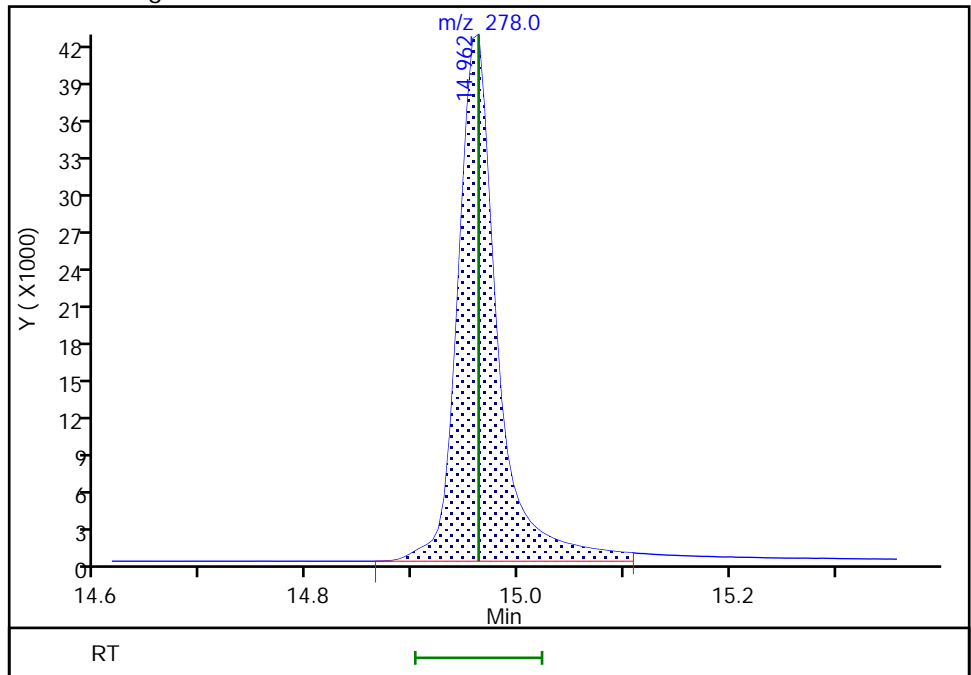
Not Detected
Expected RT: 14.96

Processing Integration Results



RT: 14.96
Area: 111059
Amount: 500.2654
Amount Units: ug/L

Manual Integration Results



Reviewer: limmere, 21-Mar-2022 11:49:26
Audit Action: Assigned Compound ID

Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Lab Sample ID: CCVC 580-384521/19 Calibration Date: 03/21/2022 18:01
 Instrument ID: TAC050 Calib Start Date: 01/14/2022 01:16
 GC Column: ZB-SV ID: 0.25 (mm) Calib End Date: 01/14/2022 05:04
 Lab File ID: SIM032122a020.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.058	0.9653	0.7000	456	500	-8.7	50.0
2-Methylnaphthalene	Ave	0.5998	0.5241	0.4000	437	500	-12.6	50.0
1-Methylnaphthalene	Ave	0.5810	0.5163	0.1000	444	500	-11.1	50.0
Acenaphthylene	Ave	2.114	1.780	0.9000	421	500	-15.8	50.0
Acenaphthene	Ave	1.327	1.204	0.9000	454	500	-9.2	50.0
Fluorene	Ave	1.479	1.397	0.9000	472	500	-5.5	50.0
Pentachlorophenol	Qua2		0.1131	0.0500	985	1000	-1.5	50.0
Phenanthrene	Lin2		1.098	0.7000	436	500	-12.8	50.0
Anthracene	Lin2		1.113	0.7000	438	500	-12.4	50.0
Fluoranthene	Lin2		1.183	0.6000	476	500	-4.9	50.0
Pyrene	Lin2		1.267	0.6000	483	500	-3.3	50.0
Benzo[a]anthracene	Lin2		1.288	0.8000	447	500	-10.6	50.0
Chrysene	Lin2		1.327	0.7000	442	500	-11.7	50.0
Bis(2-ethylhexyl) phthalate	Qua2		1.297	0.0100	373	500	-25.4	50.0
Benzo[b]fluoranthene	Lin2		1.187	0.7000	455	500	-9.1	50.0
Benzo[k]fluoranthene	Lin2		1.436	0.7000	491	500	-1.8	50.0
Benzo[a]pyrene	Lin2		1.123	0.7000	431	500	-13.8	50.0
Indeno[1,2,3-cd]pyrene	Qua2		0.9398	0.5000	429	500	-14.1	50.0
Dibenz(a,h)anthracene	Lin2		1.101	0.4000	437	500	-12.5	50.0
Benzo[g,h,i]perylene	Lin2		1.194	0.5000	438	500	-12.4	50.0
2-methylnaphthalene-d10	Ave	0.5916	0.5535		468	500	-6.4	50.0
2-Fluorobiphenyl	Ave	1.600	1.448		453	500	-9.5	50.0
2,4,6-Tribromophenol	Qua1		0.3000		556	500	11.1	50.0
Fluoranthene-d10 (Surr)	Lin2		1.011		489	500	-2.3	50.0
Terphenyl-d14	Ave	0.8014	0.7533		470	500	-6.0	50.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a020.D
 Lims ID: CCVC
 Client ID:
 Sample Type: CCVC
 Inject. Date: 21-Mar-2022 18:01:30 ALS Bottle#: 3 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: ccvc
 Operator ID: tl Instrument ID: TAC050
 Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 22-Mar-2022 09:38:22 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1663

First Level Reviewer: limwirojt

Date: 22-Mar-2022 09:38:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.148	5.148	0.000	90	19020	100.0	100.0	
* 2 Acenaphthene-d10	164	6.836	6.832	0.004	71	9482	100.0	100.0	
* 3 Phenanthrene-d10	188	8.303	8.299	0.004	56	16963	100.0	100.0	
* 4 Chrysene-d12	240	11.012	11.007	0.005	67	15034	100.0	100.0	
* 5 Perylene-d12	264	13.065	13.056	0.009	69	16072	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	52635	500.0	467.8	
\$ 10 2-Fluorobiphenyl	172	6.170	6.170	0.000	0	68660	500.0	452.5	Ma
\$ 7 2,4,6-Tribromophenol	330	7.614	7.614	0.000	56	14223	500.0	555.7	
\$ 8 Fluoranthene-d10 (Surr)	212	9.490	9.487	0.003	67	85710	500.0	488.5	
\$ 9 Terphenyl-d14	244	9.884	9.876	0.008	93	63895	500.0	470.0	
11 Naphthalene	128	5.166	5.166	0.000	100	91800	500.0	456.3	
12 2-Methylnaphthalene	141	5.818	5.818	0.000	98	49843	500.0	436.9	
13 1-Methylnaphthalene	141	5.914	5.914	0.000	100	49098	500.0	444.3	
14 Acenaphthylene	152	6.695	6.695	0.000	100	84389	500.0	421.0	
15 Acenaphthene	153	6.862	6.862	0.000	94	57104	500.0	453.9	
16 Fluorene	166	7.371	7.371	0.000	97	66255	500.0	472.4	
17 Pentachlorophenol	266	8.118	8.114	0.004	98	17001	1000.0	984.7	
18 Phenanthrene	178	8.322	8.323	0.000	100	93103	500.0	435.9	
19 Anthracene	178	8.374	8.374	0.000	100	94441	500.0	437.8	
20 Fluoranthene	202	9.506	9.502	0.004	52	100338	500.0	475.5	
21 Pyrene	202	9.735	9.731	0.003	51	107454	500.0	483.4	
22 Benzo[a]anthracene	228	10.998	10.994	0.004	95	96785	500.0	447.1	
23 Chrysene	228	11.044	11.039	0.005	99	99780	500.0	441.6	
30 Bis(2-ethylhexyl) phthalate	149	11.864	11.858	0.006	0	97531	500.0	373.0	Ma
24 Benzo[b]fluoranthene	252	12.456	12.447	0.009	96	95412	500.0	454.6	
25 Benzo[k]fluoranthene	252	12.498	12.489	0.009	94	115418	500.0	490.8	
26 Benzo[a]pyrene	252	12.969	12.960	0.009	95	90233	500.0	430.8	
27 Indeno[1,2,3-cd]pyrene	276	14.919	14.913	0.006	94	75525	500.0	429.3	M
28 Dibenz(a,h)anthracene	278	14.968	14.962	0.006	94	88461	500.0	437.4	a
29 Benzo[g,h,i]perylene	276	15.412	15.407	0.005	92	95971	500.0	437.8	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

ccv_SIM_500_00086

Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a020.D

Injection Date: 21-Mar-2022 18:01:30

Instrument ID: TAC050

Lims ID: CCVC

Client ID:

Operator ID: tl

ALS Bottle#: 3

Worklist Smp#: 19

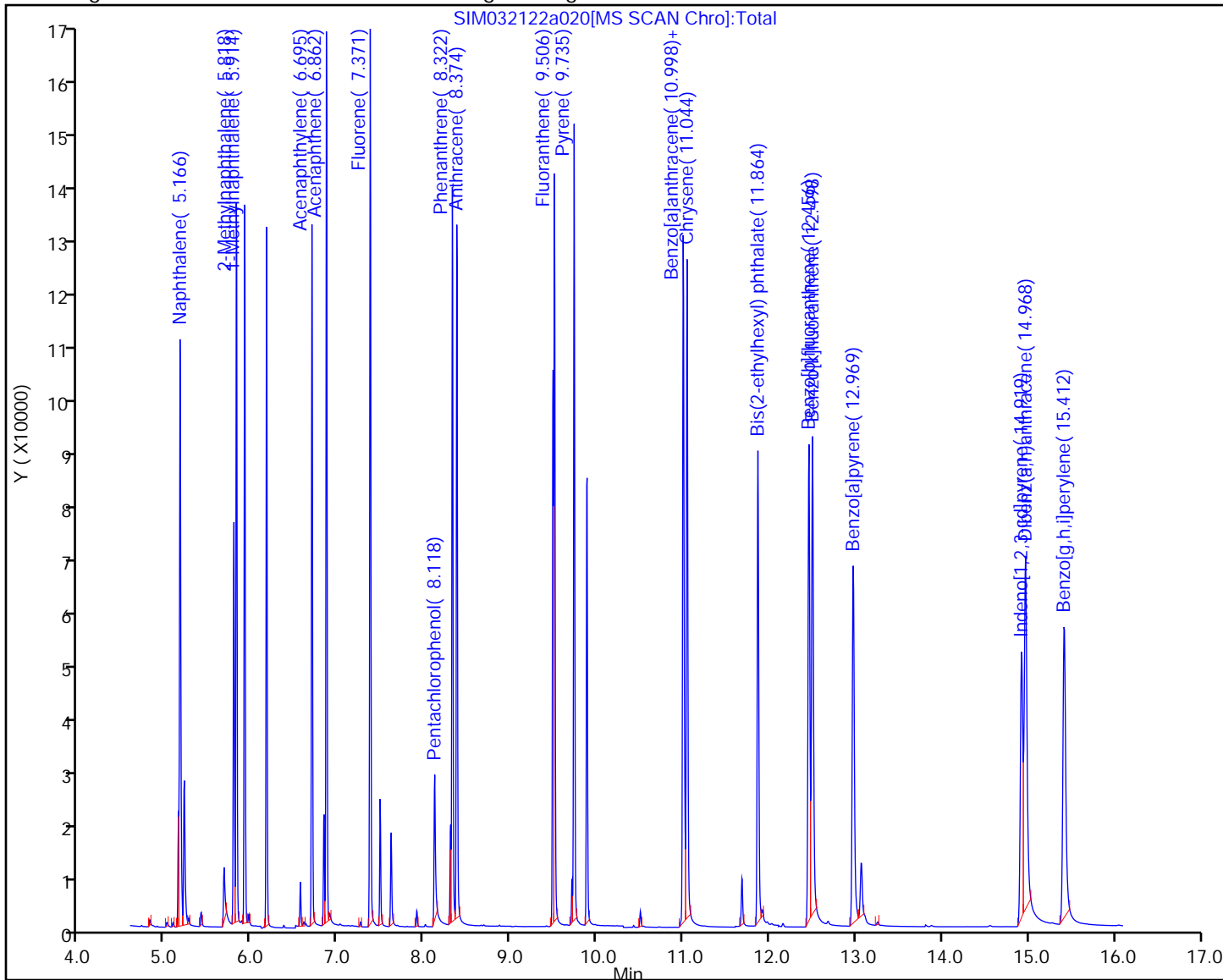
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

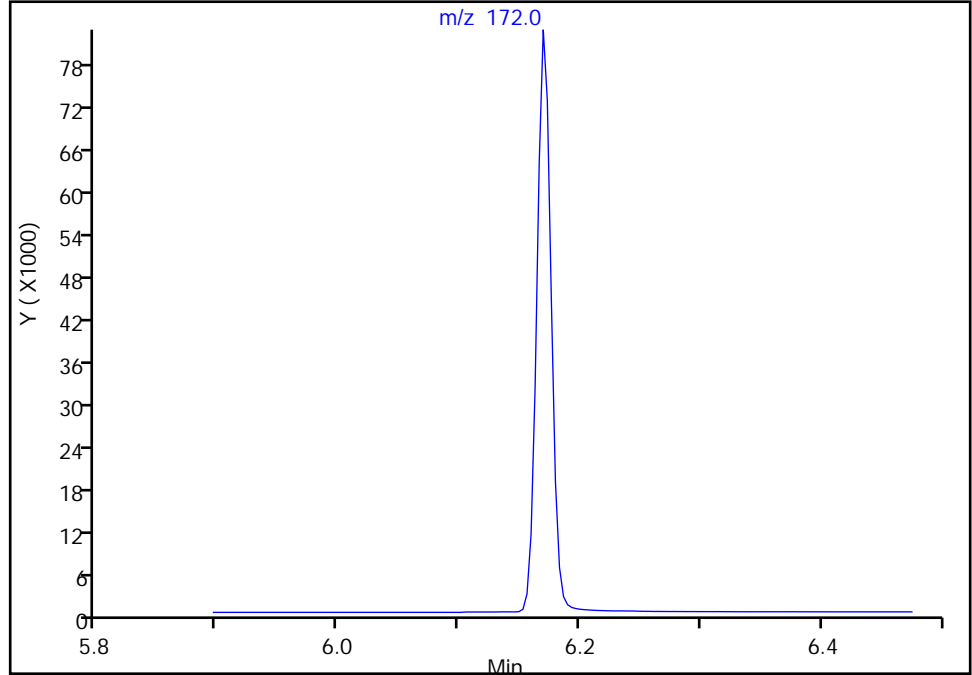
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a020.D
Injection Date: 21-Mar-2022 18:01:30 Instrument ID: TAC050
Lims ID: CCVC
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

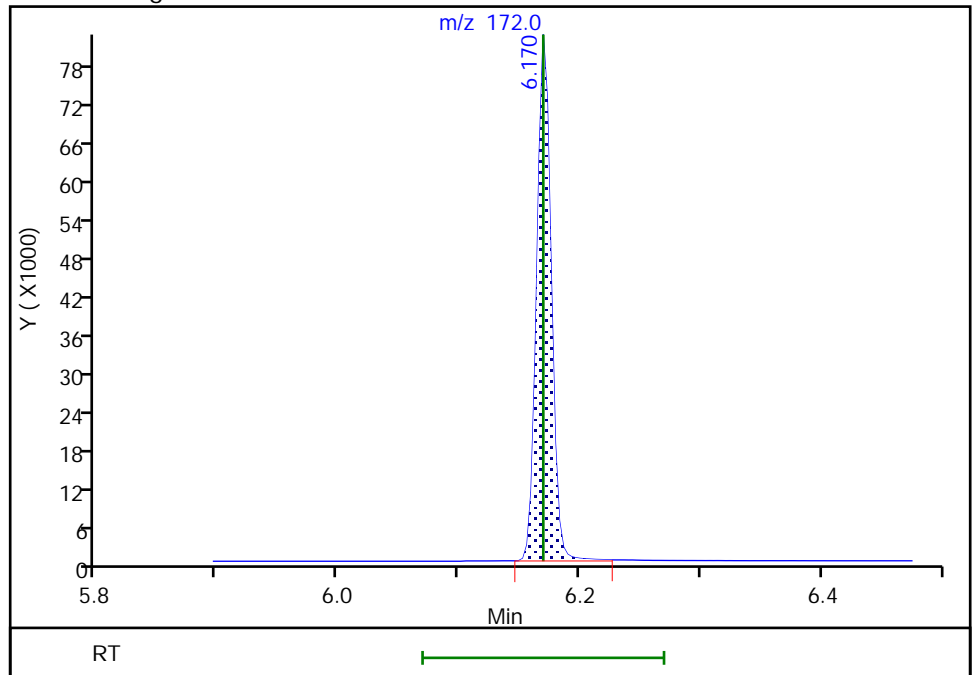
Not Detected
Expected RT: 6.17

Processing Integration Results



Manual Integration Results

RT: 6.17
Area: 68660
Amount: 452.5177
Amount Units: ug/L



Reviewer: limwirojt, 22-Mar-2022 09:37:38
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

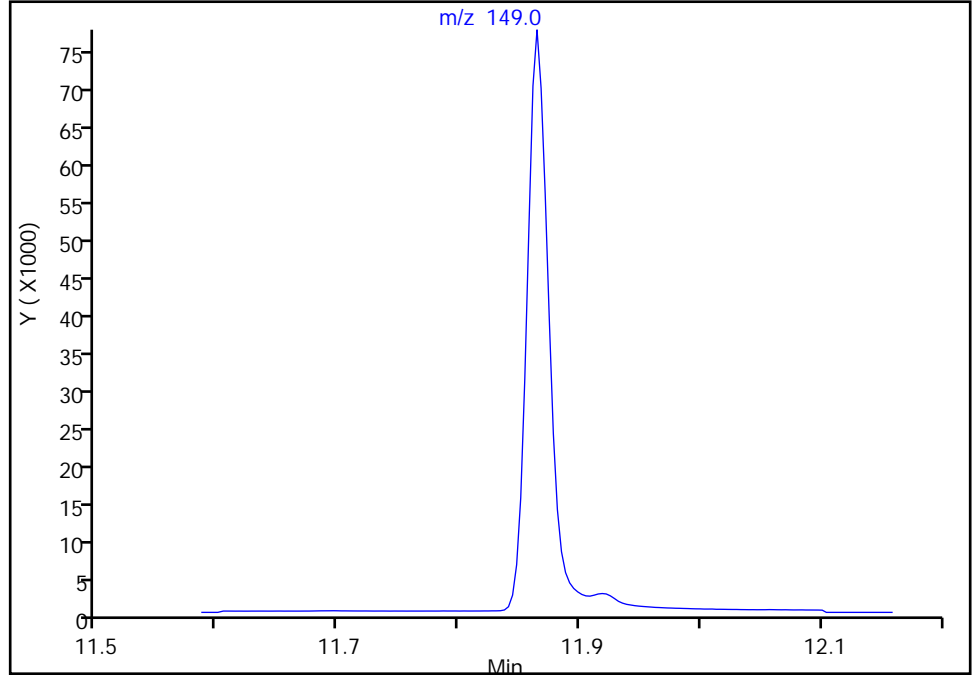
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a020.D
Injection Date: 21-Mar-2022 18:01:30 Instrument ID: TAC050
Lims ID: CCVC
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

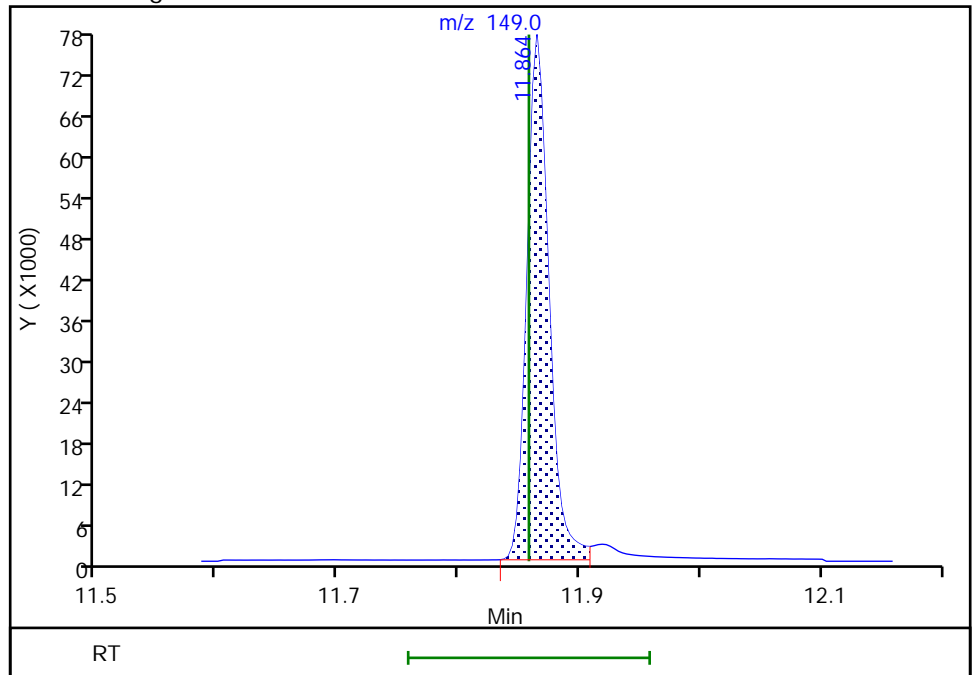
Not Detected
Expected RT: 11.86

Processing Integration Results



Manual Integration Results

RT: 11.86
Area: 97531
Amount: 372.9611
Amount Units: ug/L



Reviewer: limwirojt, 22-Mar-2022 09:38:01
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

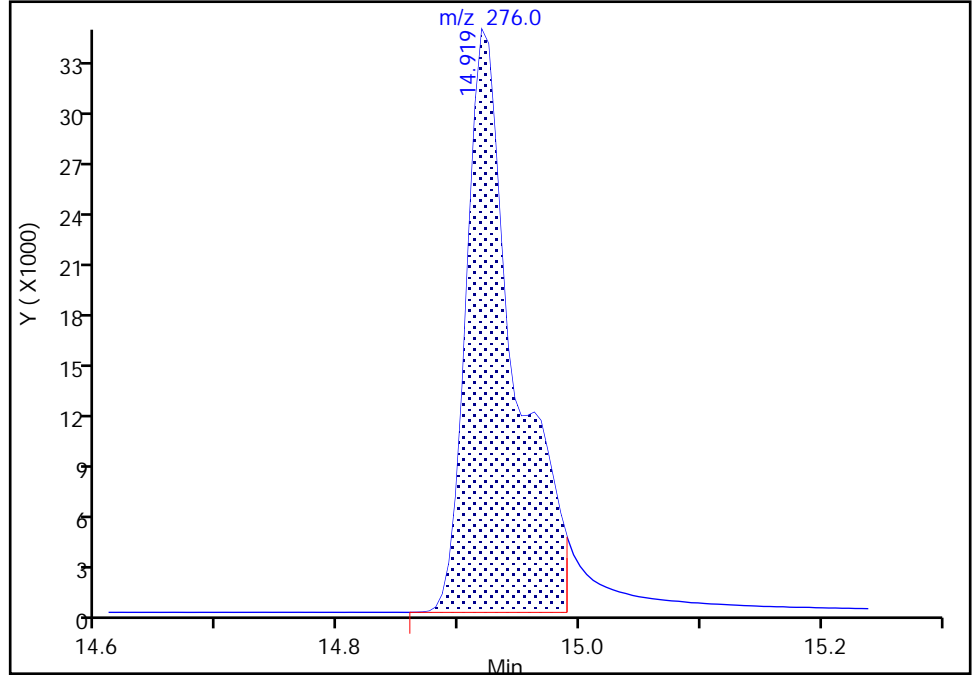
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a020.D
Injection Date: 21-Mar-2022 18:01:30 Instrument ID: TAC050
Lims ID: CCVC
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

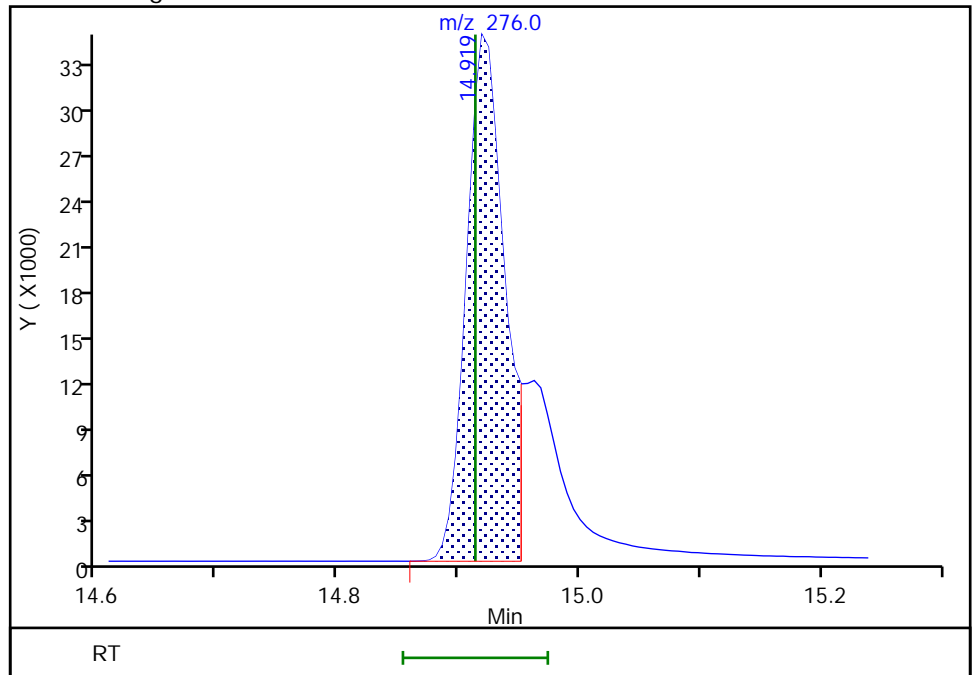
RT: 14.92
Area: 97319
Amount: 552.2022
Amount Units: ug/L

Processing Integration Results



RT: 14.92
Area: 75525
Amount: 429.3336
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 22-Mar-2022 09:38:14
Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Seattle

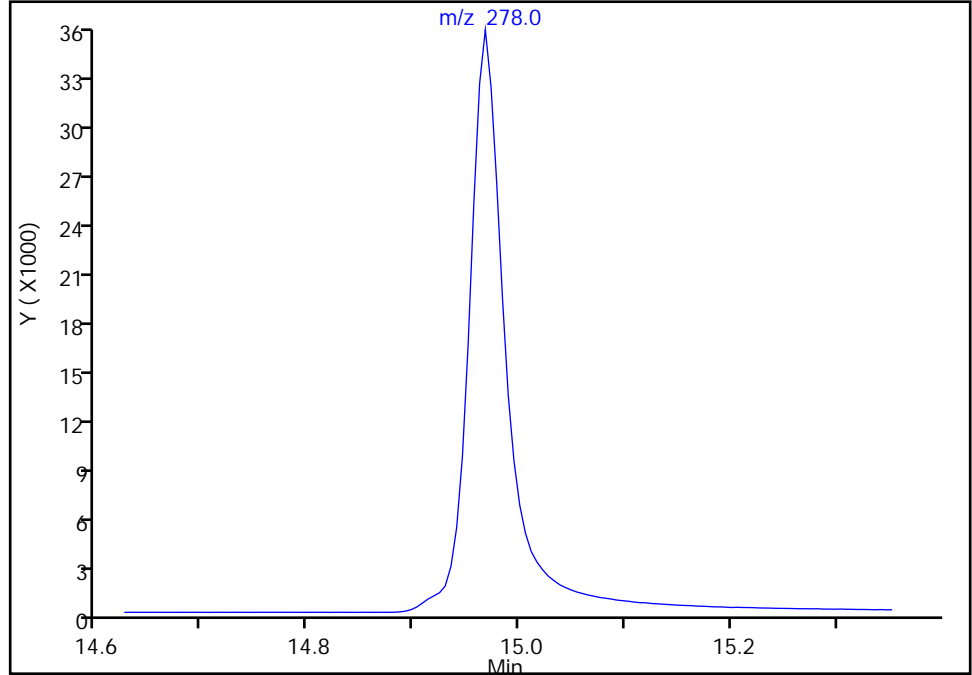
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a020.D
Injection Date: 21-Mar-2022 18:01:30 Instrument ID: TAC050
Lims ID: CCVC
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

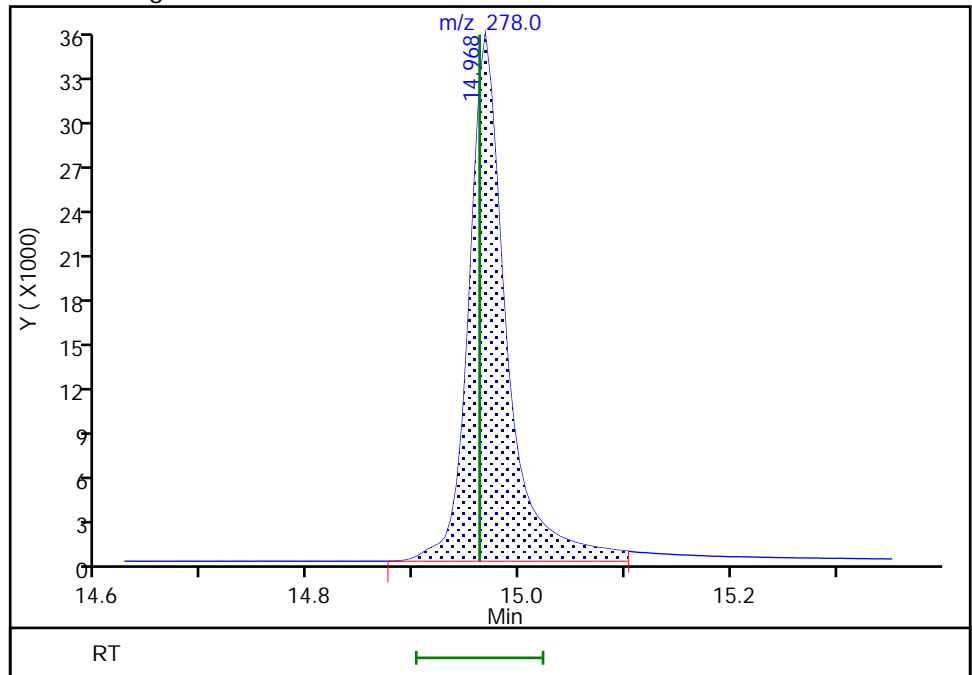
Not Detected
Expected RT: 14.96

Processing Integration Results



Manual Integration Results

RT: 14.97
Area: 88461
Amount: 437.4211
Amount Units: ug/L



Reviewer: limwirojt, 22-Mar-2022 09:38:18
Audit Action: Assigned Compound ID

Audit Reason: Split Peak

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a008.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 24-Mar-2022 14:41:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: dftpp
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 29-Mar-2022 09:51:08 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1682

First Level Reviewer: boylea Date: 29-Mar-2022 09:51:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Pentachlorophenol_T	266	9.057	9.057	0.000	0	955297	NR	NR	
34 DFTPP									
35 Benzidine_T	184	10.333	10.333	0.000	0	2933101	NR	NR	
36 4,4'-DDE	246	10.492	10.492	0.000	0	1030		NR	Ma
37 4,4'-DDD	235	10.763	10.763	0.000	0	34245		NR	a
38 4,4'-DDT	235	11.016	11.016	0.000	0	2451528	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

a - User Assigned ID

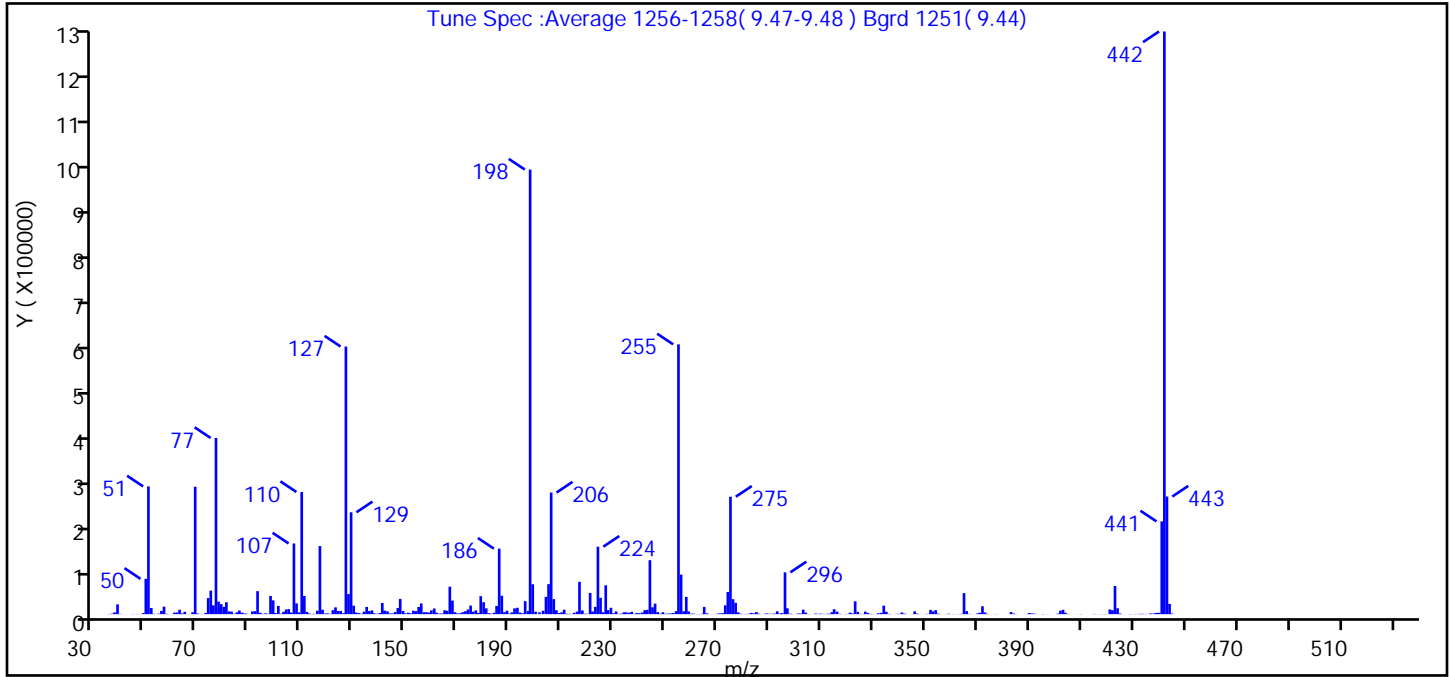
Reagents:

DFTPPx2_00044 Amount Added: 1.00 Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a008.D
 Injection Date: 24-Mar-2022 14:41:30 Instrument ID: SEA101
 Lims ID: dftpp
 Client ID:
 Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
 Tune Method: DFTPP Method 525.2, BP 198

34 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (76.3)
51	10-80% of the base peak	28.7
68	<2% of mass 69	0.4 (1.5)
69	Present	28.7
70	<2% of mass 69	0.1 (0.5)
127	10-80% of the base peak	60.2
197	<2% of mass 198	0.7
199	5-9% of mass 198	6.7
275	10-60% of the base peak	26.4
365	>1% of the base peak	4.7
441	Present and < mass 443	20.9 (78.9)
442	base peak, or >50% of 198	131.1
443	15-24% of mass 442	26.5 (20.2)

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a008.D\8270_SIM_SEA101.rsl\spectra.
Injection Date: 24-Mar-2022 14:41:30
Spectrum: Tune Spec :Average 1256-1258(9.47-9.48) Bgrd 1251(9.44)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 395

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	517	137.00	8116	237.00	5018	336.00	491
37.00	1173	138.00	1908	238.00	517	337.00	202
38.00	3744	139.00	823	239.00	2320	339.00	604
39.00	21136	140.00	2407	240.00	2050	340.00	538
40.00	576	141.00	24216	241.00	3448	341.00	3625
41.00	143	142.00	7777	242.00	8581	342.00	1031
42.00	99	143.00	6083	243.00	9408	343.00	213
43.00	69	144.00	1491	244.00	116896	344.00	61
45.00	400	145.00	1611	245.00	14919	345.00	159
46.00	121	146.00	4428	246.00	22824	346.00	6175
47.00	202	147.00	13364	247.00	4425	347.00	1252
48.00	163	148.00	32960	248.00	975	348.00	227
49.00	2255	149.00	6826	249.00	4118	349.00	70
50.00	76496	150.00	1674	250.00	806	350.00	212
51.00	276672	151.00	3051	251.00	1295	351.00	727
52.00	13369	152.00	1696	252.00	1567	352.00	9232
53.00	648	153.00	7506	253.00	2651	353.00	6040
54.00	103	154.00	6540	254.00	6525	354.00	8677
55.00	1066	155.00	15483	255.00	584384	355.00	1200
56.00	7083	156.00	23176	256.00	85704	356.00	154
57.00	16240	157.00	4139	257.00	6199	358.00	60
58.00	790	158.00	4249	258.00	37440	358.00	254
59.00	141	159.00	3295	259.00	5937	359.00	883
60.00	35	160.00	8163	260.00	900	360.00	128
61.00	3256	161.00	12271	261.00	1060	361.00	368
62.00	3661	162.00	3130	262.00	260	362.00	67
63.00	9485	163.00	1229	263.00	379	363.00	267
64.00	1626	164.00	1518	264.00	667	364.00	653
65.00	5072	165.00	8397	265.00	15638	365.00	45560
66.00	139	166.00	7284	266.00	1918	366.00	6526
67.00	284	167.00	59456	267.00	104	367.00	638
68.00	4151	168.00	29264	268.00	200	368.00	74
69.00	275904	169.00	4170	269.00	185	370.00	1375

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a008.D\8270_SIM_SEA101.rslt\spectra.

Injection Date: 24-Mar-2022 14:41:30

Spectrum: Tune Spec :Average 1256-1258(9.47-9.48) Bgrd 1251(9.44)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 395

m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.00	1357	170.00	1504	270.00	1005	371.00	2988
71.00	325	171.00	1830	271.00	1711	372.00	17008
72.00	35	172.00	4085	272.00	2192	373.00	3618
73.00	2637	173.00	6437	273.00	19072	374.00	485
74.00	34784	174.00	10019	274.00	48088	375.00	67
75.00	50904	175.00	18472	275.00	254336	377.00	385
76.00	18912	176.00	5189	276.00	32368	378.00	174
77.00	381568	177.00	8230	277.00	24520	381.00	50
78.00	27112	178.00	2637	278.00	3814	382.00	138
79.00	21776	179.00	38920	279.00	835	383.00	4552
80.00	15840	180.00	25848	280.00	180	384.00	1303
81.00	25720	181.00	12659	281.00	444	385.00	302
82.00	5918	182.00	2010	282.00	858	389.00	175
83.00	5584	183.00	1074	283.00	2758	390.00	2524
84.00	787	184.00	3105	284.00	1850	391.00	1494
85.00	3873	185.00	17816	285.00	4347	392.00	1044
86.00	7739	186.00	141888	286.00	991	393.00	86
87.00	3346	187.00	39824	287.00	60	395.00	338
88.00	1569	188.00	4254	288.00	419	396.00	210
89.00	727	189.00	7440	289.00	1533	397.00	225
91.00	5733	190.00	1238	290.00	780	398.00	76
92.00	6466	191.00	3824	291.00	514	401.00	1167
93.00	49800	192.00	12569	292.00	1115	402.00	7379
94.00	3018	193.00	13823	293.00	6081	403.00	9517
95.00	756	194.00	3487	294.00	1351	404.00	3178
96.00	1759	195.00	1971	295.00	2409	405.00	514
97.00	759	196.00	28200	296.00	90552	408.00	90
98.00	39432	197.00	6640	297.00	12698	409.00	160
99.00	29832	198.00	963008	298.00	921	410.00	342
100.00	2318	199.00	64752	299.00	377	415.00	433
101.00	17888	200.00	5221	300.00	59	416.00	194
102.00	923	202.00	3952	301.00	1255	417.00	139
103.00	4954	203.00	7327	302.00	1467	418.00	225
104.00	10139	204.00	37432	303.00	9791	419.00	335

Data File:

\\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a008.D\8270_SIM_SEA101.rslt\spectra.

Injection Date:

24-Mar-2022 14:41:30

Spectrum:

Tune Spec :Average 1256-1258(9.47-9.48) Bgrd 1251(9.44)

Base Peak:

442.00

Minimum % Base Peak: 0

Number of Points:

395

m/z	Y	m/z	Y	m/z	Y	m/z	Y
105.00	10854	205.00	64936	304.00	3356	420.00	238
106.00	3386	206.00	263360	305.00	280	421.00	10176
107.00	153088	207.00	32568	306.00	69	422.00	8660
108.00	23336	208.00	8395	307.00	164	423.00	61104
109.00	3843	209.00	2580	308.00	1213	424.00	12705
110.00	264576	210.00	3924	309.00	700	425.00	1422
111.00	39240	211.00	9644	310.00	993	426.00	137
112.00	4865	212.00	936	311.00	384	427.00	151
113.00	1530	213.00	682	312.00	621	428.00	282
114.00	376	214.00	441	313.00	1045	429.00	259
115.00	711	215.00	3095	314.00	4181	430.00	189
116.00	7466	216.00	5534	315.00	10738	431.00	446
117.00	147392	217.00	70000	316.00	5593	432.00	496
118.00	9619	218.00	7973	317.00	842	433.00	526
119.00	1441	219.00	932	318.00	107	434.00	749
120.00	1617	220.00	729	319.00	210	435.00	387
121.00	659	221.00	46000	320.00	412	436.00	1048
122.00	8612	222.00	5906	321.00	3116	437.00	1321
123.00	14727	223.00	15761	322.00	1529	438.00	2237
124.00	6843	224.00	146048	323.00	27776	439.00	2902
125.00	6780	225.00	35352	324.00	4944	440.00	2794
126.00	2164	226.00	4181	325.00	525	441.00	200896
127.00	579648	227.00	62464	326.00	433	442.00	1262080
128.00	43432	228.00	8717	327.00	5472	443.00	254720
129.00	220608	229.00	13780	328.00	2647	444.00	22128
130.00	18384	230.00	1948	329.00	568	445.00	1362
131.00	3399	231.00	5737	330.00	193	446.00	86
132.00	2215	232.00	636	331.00	293	449.00	53
133.00	774	233.00	1066	332.00	2191	522.00	78
134.00	5445	234.00	3986	333.00	2897	528.00	74
135.00	15646	235.00	3871	334.00	18368	534.00	62
136.00	6684	236.00	3102	335.00	5020		

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a008.D

Injection Date: 24-Mar-2022 14:41:30

Instrument ID: SEA101

Lims ID: dftpp

Client ID:

Operator ID: tl

ALS Bottle#: 2

Worklist Smp#: 2

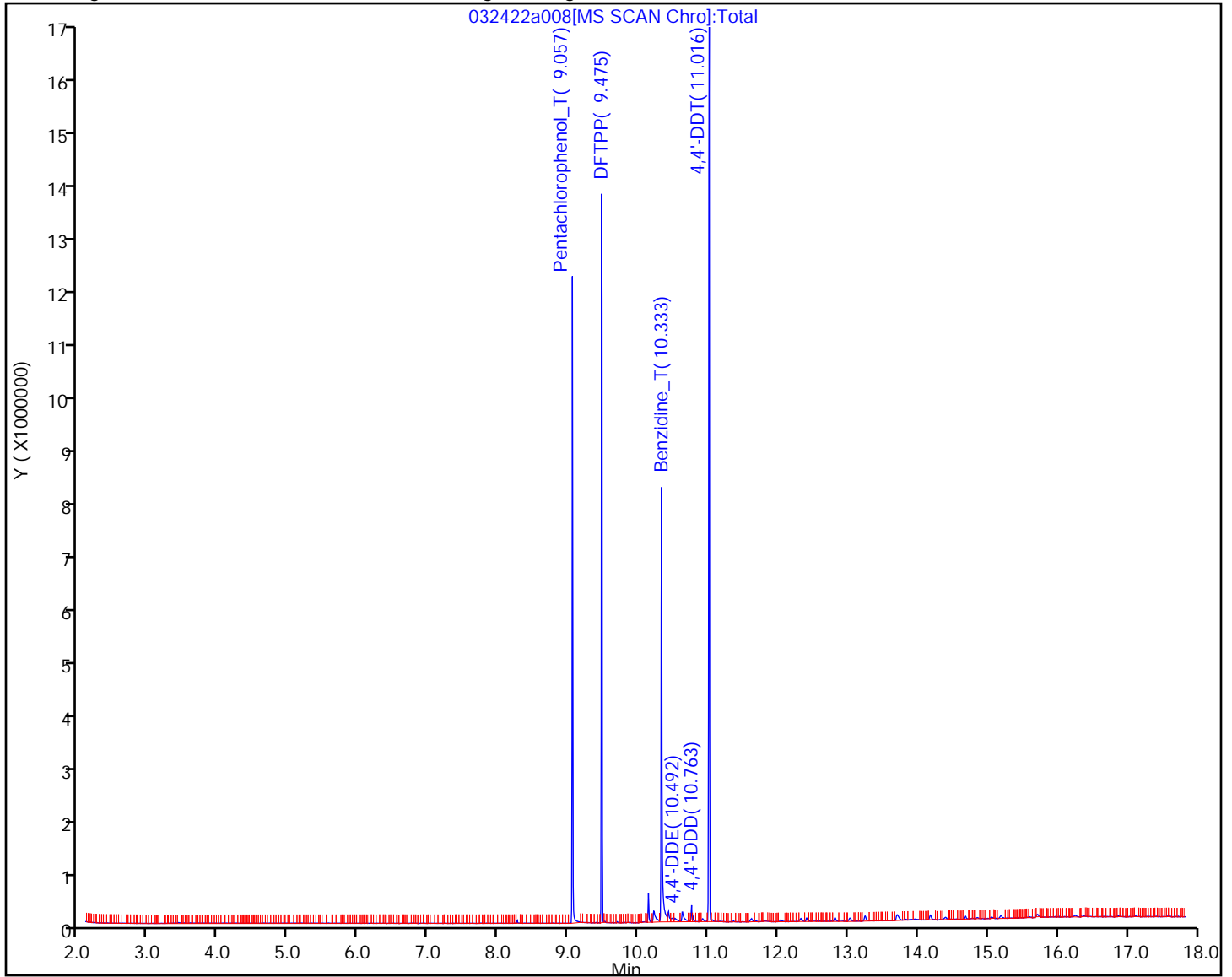
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a008.D
Injection Date: 24-Mar-2022 14:41:30 Instrument ID: SEA101
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0

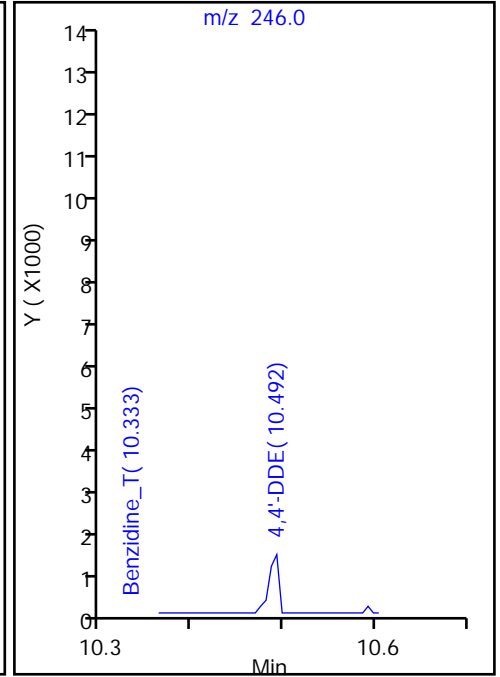
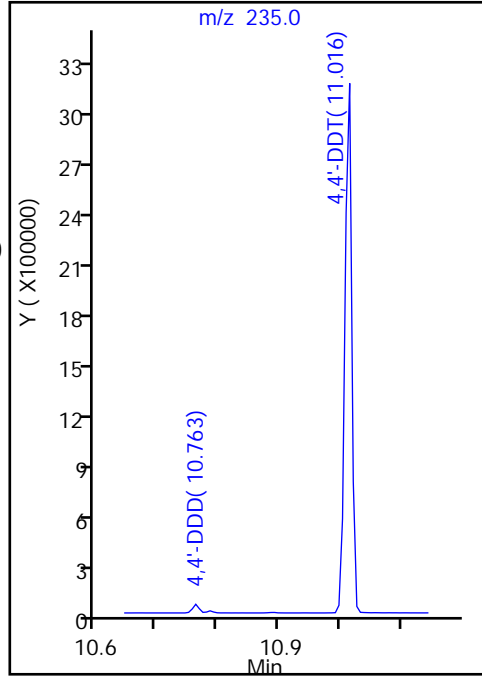
38 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

38 4,4'-DDT, Area = 2451528
36 4,4'-DDE, Area = 1030
37 4,4'-DDD, Area = 34245

%Breakdown: 1.42%, <= 20.00%
Passed



Eurofins Seattle

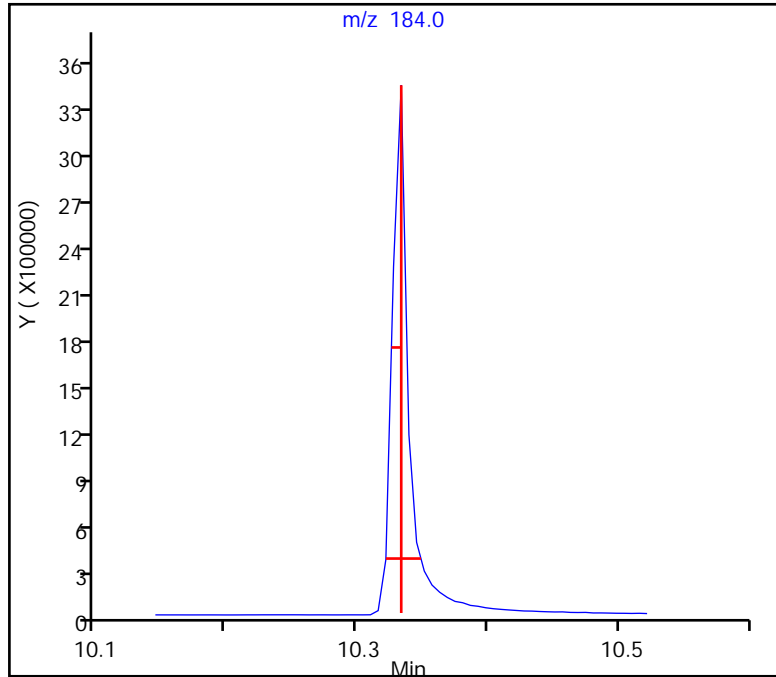
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a008.D
Injection Date: 24-Mar-2022 14:41:30 Instrument ID: SEA101
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0

35 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.25, Max. Tailing <= 2.00
Passed



Eurofins Seattle

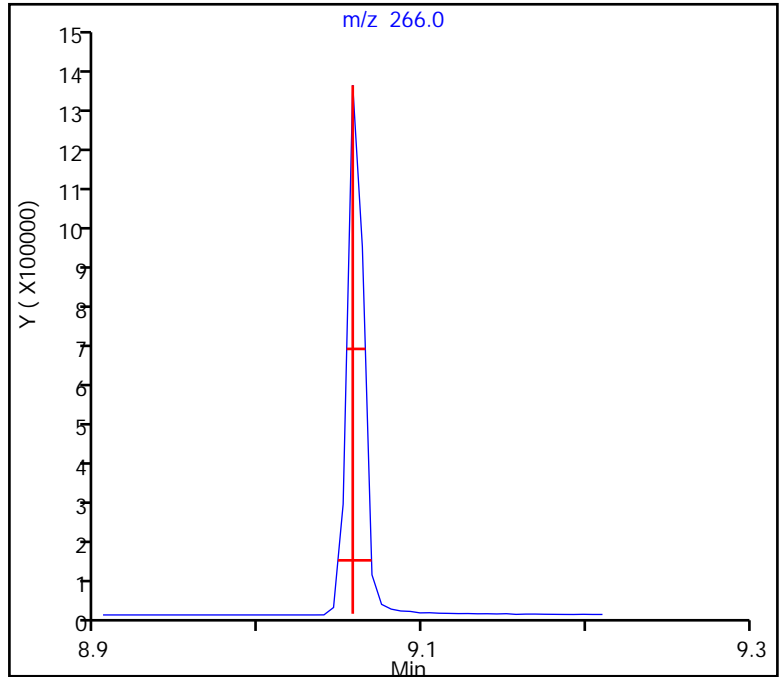
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a008.D
Injection Date: 24-Mar-2022 14:41:30 Instrument ID: SEA101
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0

33 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.33, Max. Tailing <= 2.00
Passed



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032522a003.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 25-Mar-2022 11:58:30 ALS Bottle#: 2 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: dftpp
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 13:30:35 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1643

First Level Reviewer: limmere

Date: 28-Mar-2022 13:30:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Pentachlorophenol_T	266	9.245	9.245	0.000	0	2034528	NR	NR	a
34 DFTPP									
35 Benzidine_T	184	10.522	10.522	0.000	0	6695102	NR	NR	a
36 4,4'-DDE	246	10.675	10.675	0.000	0	3147		NR	Ma
37 4,4'-DDD	235	10.945	10.945	0.000	0	68396		NR	a
38 4,4'-DDT	235	11.198	11.198	0.000	0	4930365	NR	NR	a

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

DFTPPx2_00044

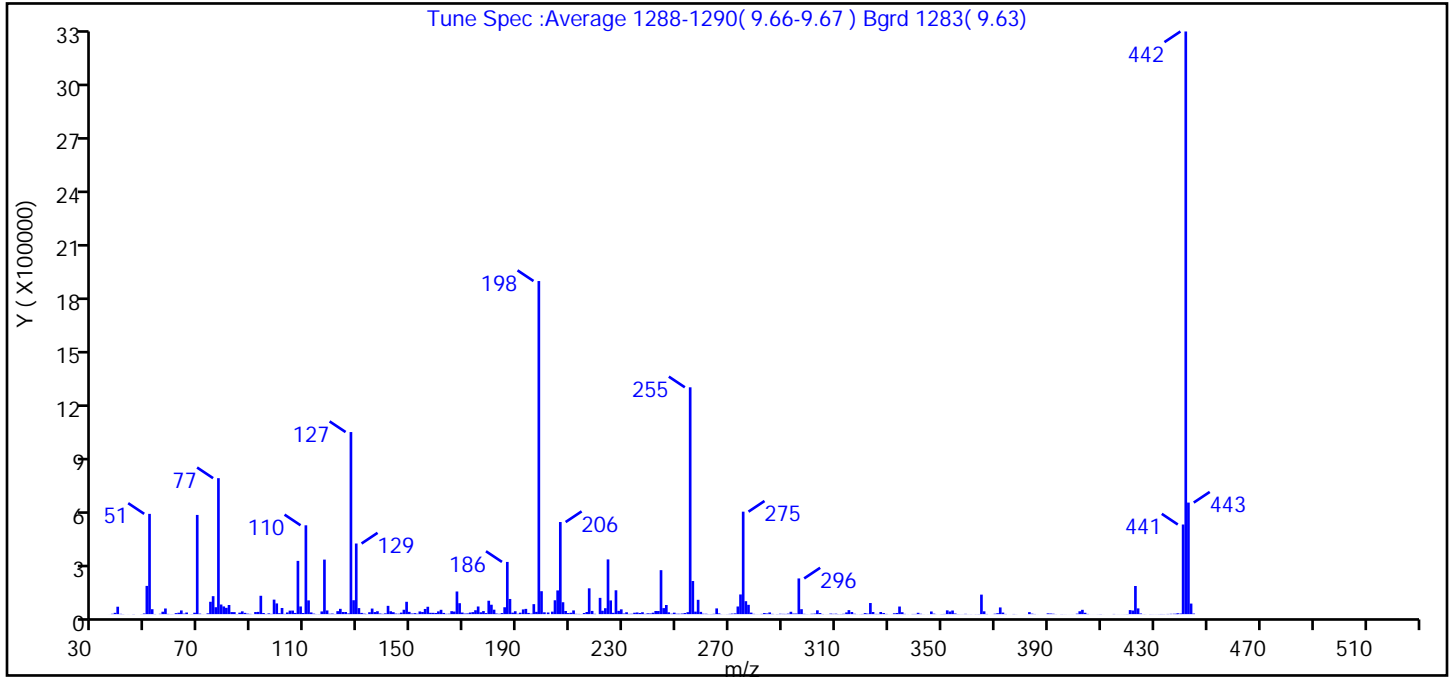
Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032522a003.D
 Injection Date: 25-Mar-2022 11:58:30 Instrument ID: SEA101
 Lims ID: dftpp
 Client ID:
 Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
 Tune Method: DFTPP Method 525.2, BP 198

34 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (57.2)
51	10-80% of the base peak	30.1
68	<2% of mass 69	0.4 (1.4)
69	Present	29.8
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	54.7
197	<2% of mass 198	0.7
199	5-9% of mass 198	6.9
275	10-60% of the base peak	30.8
365	>1% of the base peak	5.9
441	Present and < mass 443	26.9 (80.3)
442	base peak, or >50% of 198	174.9
443	15-24% of mass 442	33.5 (19.1)

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032522a003.D\8270_SIM_SEA101.rsl\spectra.
 Injection Date: 25-Mar-2022 11:58:30
 Spectrum: Tune Spec :Average 1288-1290(9.66-9.67) Bgrd 1283(9.63)
 Base Peak: 442.00
 Minimum % Base Peak: 0
 Number of Points: 400

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	66	138.00	3425	240.00	3826	341.00	7483
36.00	175	139.00	1611	241.00	7895	342.00	1965
37.00	1989	140.00	4441	242.00	17384	343.00	340
38.00	7163	141.00	45696	243.00	17136	344.00	98
39.00	40896	142.00	15846	244.00	241984	345.00	274
40.00	1702	143.00	10787	245.00	33160	346.00	14673
41.00	678	144.00	3114	246.00	50304	347.00	2775
42.00	78	145.00	2444	247.00	10043	348.00	338
43.00	228	146.00	8379	248.00	2425	349.00	185
45.00	742	147.00	24240	249.00	8149	350.00	757
46.00	32	148.00	68048	250.00	2181	351.00	1373
48.00	461	149.00	12578	251.00	2189	352.00	20912
49.00	3659	150.00	3496	252.00	3337	353.00	14629
50.00	155392	151.00	5630	253.00	6154	354.00	19968
51.00	551808	152.00	2538	254.00	10817	355.00	3709
52.00	27232	153.00	14832	255.00	1248256	356.00	573
53.00	881	154.00	11903	256.00	182208	357.00	361
55.00	2002	155.00	28528	257.00	13858	358.00	361
56.00	13354	156.00	40664	258.00	78880	359.00	1599
57.00	31104	157.00	7306	259.00	12494	360.00	324
58.00	1387	158.00	7211	260.00	2327	361.00	489
59.00	498	159.00	6379	261.00	2106	362.00	289
60.00	349	160.00	15206	262.00	642	363.00	463
61.00	5589	161.00	23872	263.00	853	364.00	814
62.00	7814	162.00	6693	264.00	1912	365.00	107424
63.00	20408	163.00	1848	265.00	31616	366.00	15495
64.00	2944	164.00	2399	266.00	3969	367.00	1044
65.00	8918	165.00	16345	267.00	596	368.00	50
66.00	300	166.00	14192	268.00	245	369.00	164
67.00	684	167.00	124688	269.00	524	370.00	2428
68.00	7764	168.00	60224	270.00	1597	371.00	5251
69.00	545920	169.00	8791	271.00	2972	372.00	36928
70.00	2833	170.00	3282	272.00	4218	373.00	8566

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032522a003.D\8270_SIM_SEA101.rslt\spectra.

Injection Date: 25-Mar-2022 11:58:30

Spectrum: Tune Spec :Average 1288-1290(9.66-9.67) Bgrd 1283(9.63)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 400

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	315	171.00	4038	273.00	42112	374.00	1077
72.00	220	172.00	8942	274.00	108344	376.00	86
73.00	4385	173.00	11097	275.00	563904	377.00	991
74.00	68048	174.00	21424	276.00	71312	378.00	335
75.00	98864	175.00	42152	277.00	51256	381.00	143
76.00	38096	176.00	10196	278.00	8488	382.00	167
77.00	748224	177.00	16928	279.00	1613	383.00	11098
78.00	52952	178.00	5961	280.00	375	384.00	2649
79.00	42400	179.00	73816	281.00	312	385.00	957
80.00	34800	180.00	51784	282.00	1365	386.00	159
81.00	50288	181.00	24536	283.00	6056	388.00	77
82.00	11352	182.00	3604	284.00	3867	389.00	139
83.00	11127	183.00	2049	285.00	9408	390.00	4465
84.00	817	184.00	6012	286.00	1464	391.00	3532
85.00	8075	185.00	37880	287.00	254	392.00	2258
86.00	15380	186.00	287360	288.00	738	393.00	422
87.00	7057	187.00	83520	289.00	2177	395.00	594
88.00	2808	188.00	8153	290.00	1585	396.00	299
89.00	1376	189.00	16002	291.00	1216	397.00	277
90.00	290	190.00	2224	292.00	2831	398.00	172
91.00	11655	191.00	7937	293.00	12983	399.00	213
92.00	12383	192.00	26040	294.00	3178	400.00	52
93.00	101056	193.00	28976	295.00	3366	401.00	2685
94.00	6307	194.00	6660	296.00	196480	402.00	15794
95.00	968	195.00	2727	297.00	27272	403.00	23848
96.00	4159	196.00	55008	298.00	1756	404.00	7545
97.00	1517	197.00	12628	299.00	498	405.00	1190
98.00	79856	198.00	1832960	300.00	236	406.00	160
99.00	58976	199.00	126248	301.00	2099	407.00	139
100.00	5084	200.00	10094	302.00	3101	408.00	85
101.00	33856	201.00	9014	303.00	21040	409.00	307
102.00	1527	203.00	13690	304.00	6140	410.00	780
103.00	9263	204.00	76328	305.00	936	411.00	150
104.00	19360	205.00	130568	306.00	192	412.00	63

Data File:

\\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032522a003.D\8270_SIM_SEA101.rslt\spectra.

Injection Date:

25-Mar-2022 11:58:30

Spectrum:

Tune Spec :Average 1288-1290(9.66-9.67) Bgrd 1283(9.63)

Base Peak:

442.00

Minimum % Base Peak: 0

Number of Points: 400

m/z	Y	m/z	Y	m/z	Y	m/z	Y
105.00	19632	206.00	506816	307.00	305	415.00	1073
106.00	6612	207.00	65536	308.00	3028	416.00	132
107.00	293056	208.00	17336	309.00	1770	417.00	188
108.00	42248	209.00	5846	310.00	2564	418.00	219
109.00	6283	210.00	7629	311.00	756	419.00	395
110.00	488896	211.00	20488	312.00	867	420.00	687
111.00	75760	212.00	1703	313.00	2027	421.00	22256
112.00	9501	213.00	1269	314.00	9435	422.00	19912
113.00	2894	214.00	548	315.00	22008	423.00	154880
114.00	617	215.00	6248	316.00	11684	424.00	31664
115.00	659	216.00	11723	317.00	2220	425.00	3630
116.00	14893	217.00	142080	318.00	389	426.00	393
117.00	300160	218.00	17736	319.00	484	427.00	348
118.00	20304	219.00	1743	320.00	977	429.00	448
119.00	2059	221.00	89568	321.00	5749	429.00	177
120.00	3228	222.00	18752	322.00	3153	430.00	364
121.00	983	223.00	32712	323.00	61200	431.00	310
122.00	16496	224.00	301184	324.00	11747	432.00	543
123.00	29200	225.00	75456	325.00	1257	433.00	914
124.00	11851	226.00	7348	326.00	1173	434.00	643
125.00	11852	227.00	131328	327.00	11820	435.00	1152
126.00	4044	228.00	18088	328.00	6021	436.00	1876
127.00	1001920	229.00	26520	329.00	1287	438.00	2326
128.00	76528	230.00	3579	330.00	196	438.00	2080
129.00	388672	231.00	10354	331.00	205	439.00	4853
130.00	33272	232.00	1595	332.00	4683	440.00	3392
131.00	6911	233.00	2087	333.00	6466	441.00	493248
132.00	2760	234.00	7740	334.00	41920	442.00	3206144
133.00	1074	235.00	9227	335.00	10495	443.00	613888
134.00	10576	236.00	6473	336.00	1452	444.00	58176
135.00	30728	237.00	10492	337.00	237	445.00	3225
136.00	11474	238.00	1594	339.00	1061	503.00	69
137.00	15970	239.00	4676	340.00	1146	521.00	53

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032522a003.D

Injection Date: 25-Mar-2022 11:58:30

Instrument ID: SEA101

Lims ID: dftpp

Client ID:

Operator ID: tl

ALS Bottle#: 2

Worklist Smp#: 19

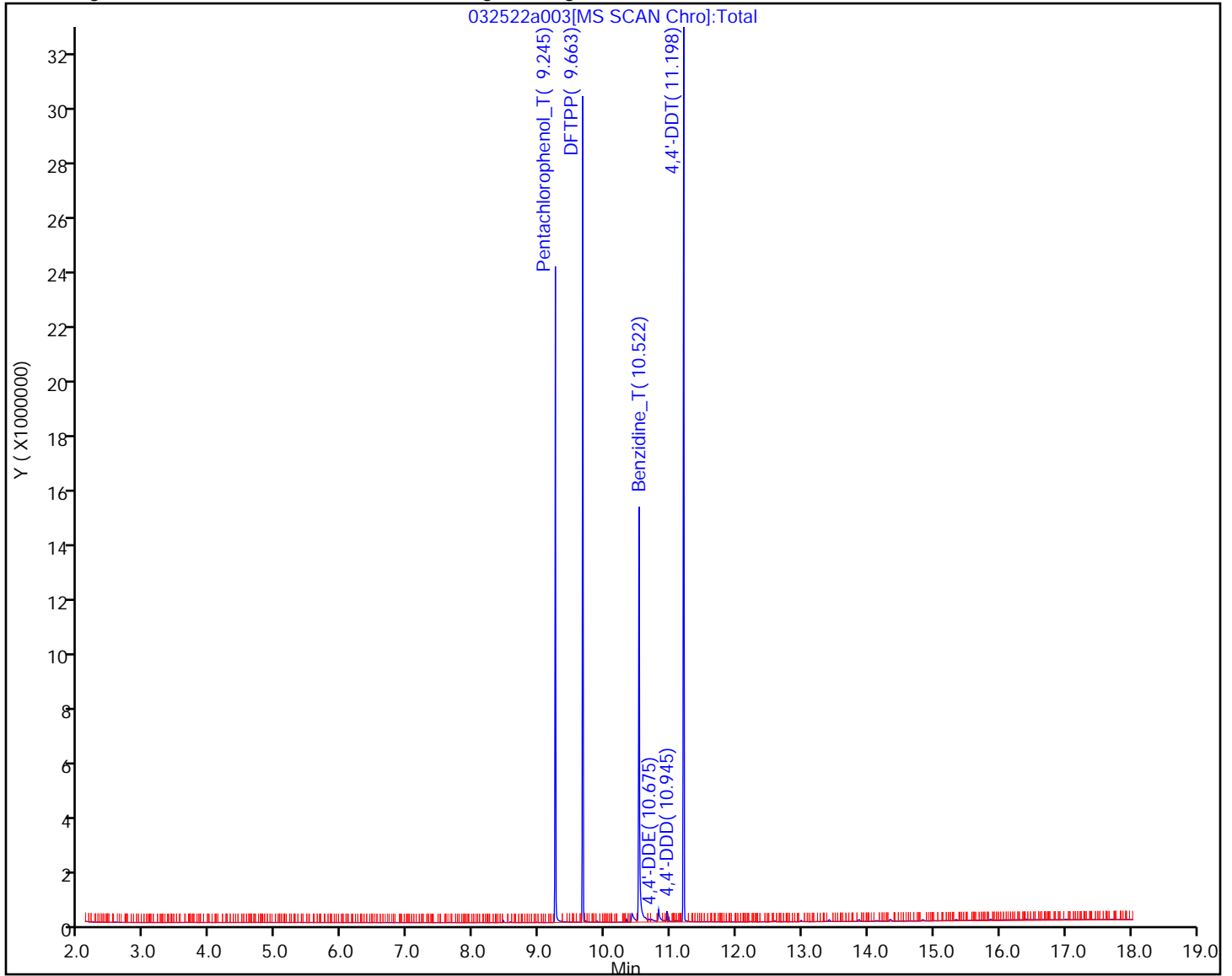
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032522a003.D
Injection Date: 25-Mar-2022 11:58:30 Instrument ID: SEA101
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0

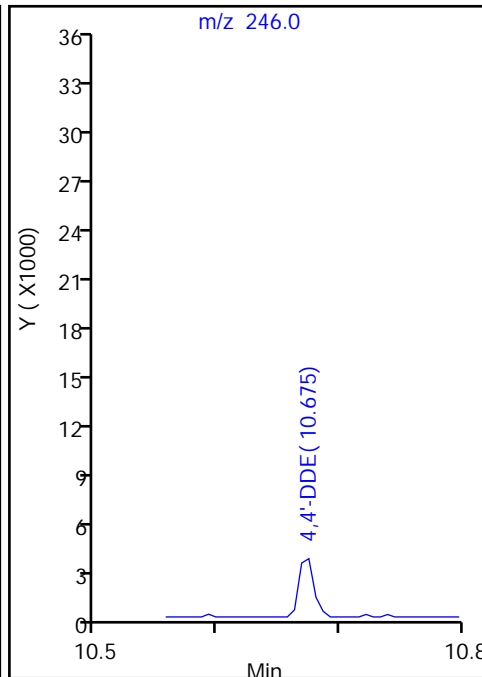
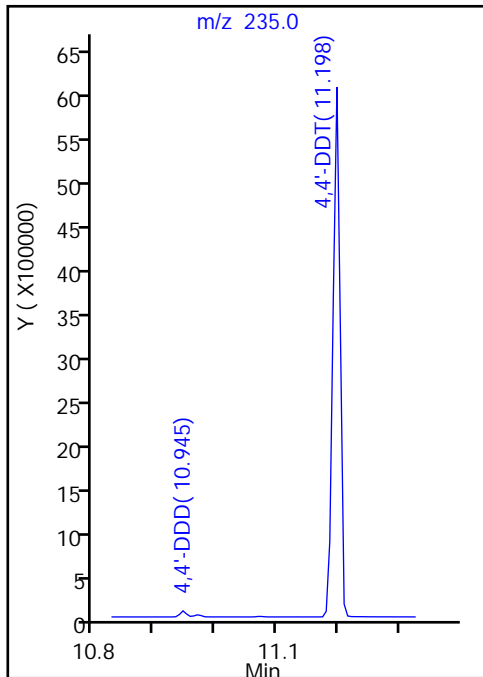
38 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

38 4,4'-DDT, Area = 4930365
36 4,4'-DDE, Area = 3147
37 4,4'-DDD, Area = 68396

%Breakdown: 1.43%, <= 20.00%
Passed



Eurofins Seattle

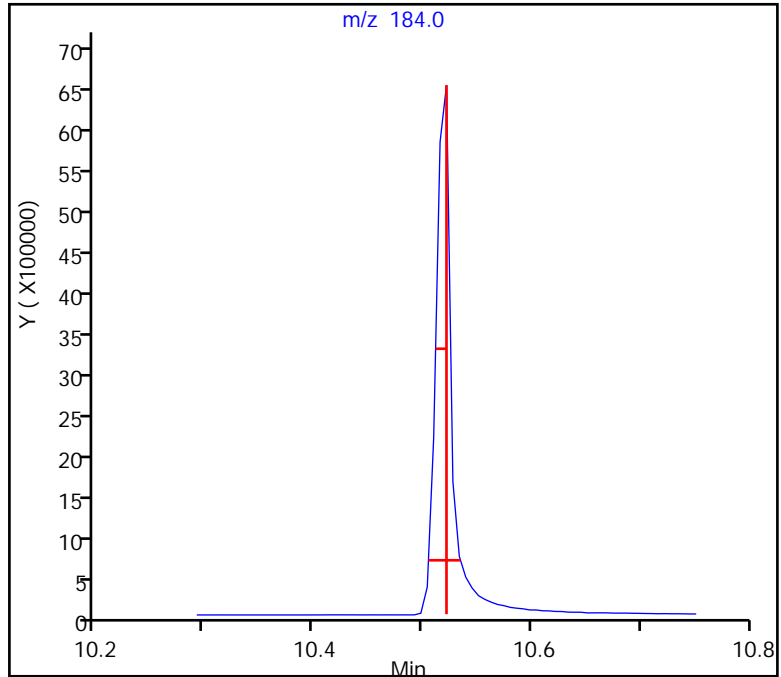
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032522a003.D
Injection Date: 25-Mar-2022 11:58:30 Instrument ID: SEA101
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0

35 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 0.76, Max. Tailing <= 2.00
Passed



Eurofins Seattle

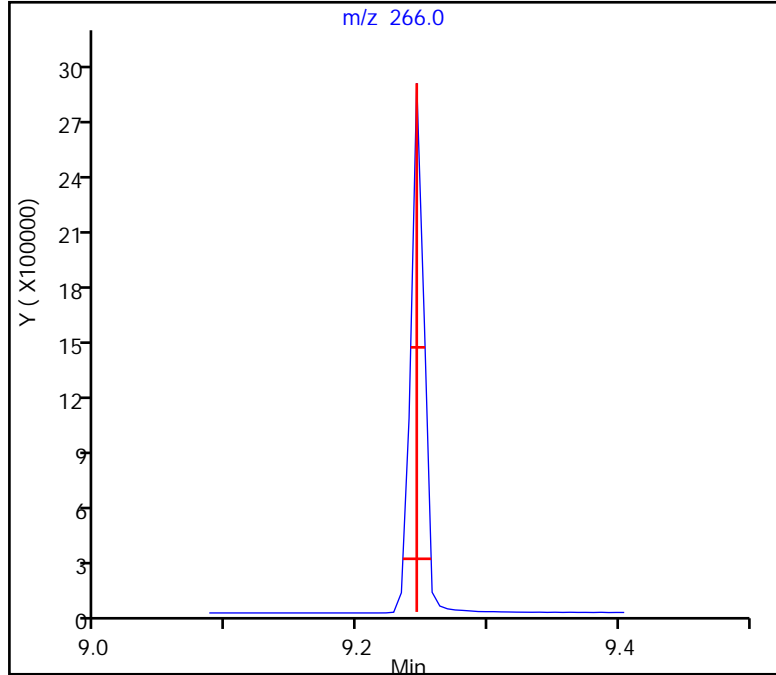
Data File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032522a003.D
Injection Date: 25-Mar-2022 11:58:30 Instrument ID: SEA101
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0

33 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b007.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 25-Mar-2022 17:02:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: icv
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 09:56:37 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt Date: 28-Mar-2022 09:56:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Pentachlorophenol_T	266	9.245	9.245	0.000	0	2149989	NR	NR	
34 DFTPP									
35 Benzidine_T	184	10.522	10.522	0.000	0	7092350	NR	NR	
36 4,4'-DDE	246	10.674	10.674	0.000	0	2732		NR	Ma
37 4,4'-DDD	235	10.945	10.945	0.000	0	72050		NR	
38 4,4'-DDT	235	11.198	11.198	0.000	0	4986313	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

a - User Assigned ID

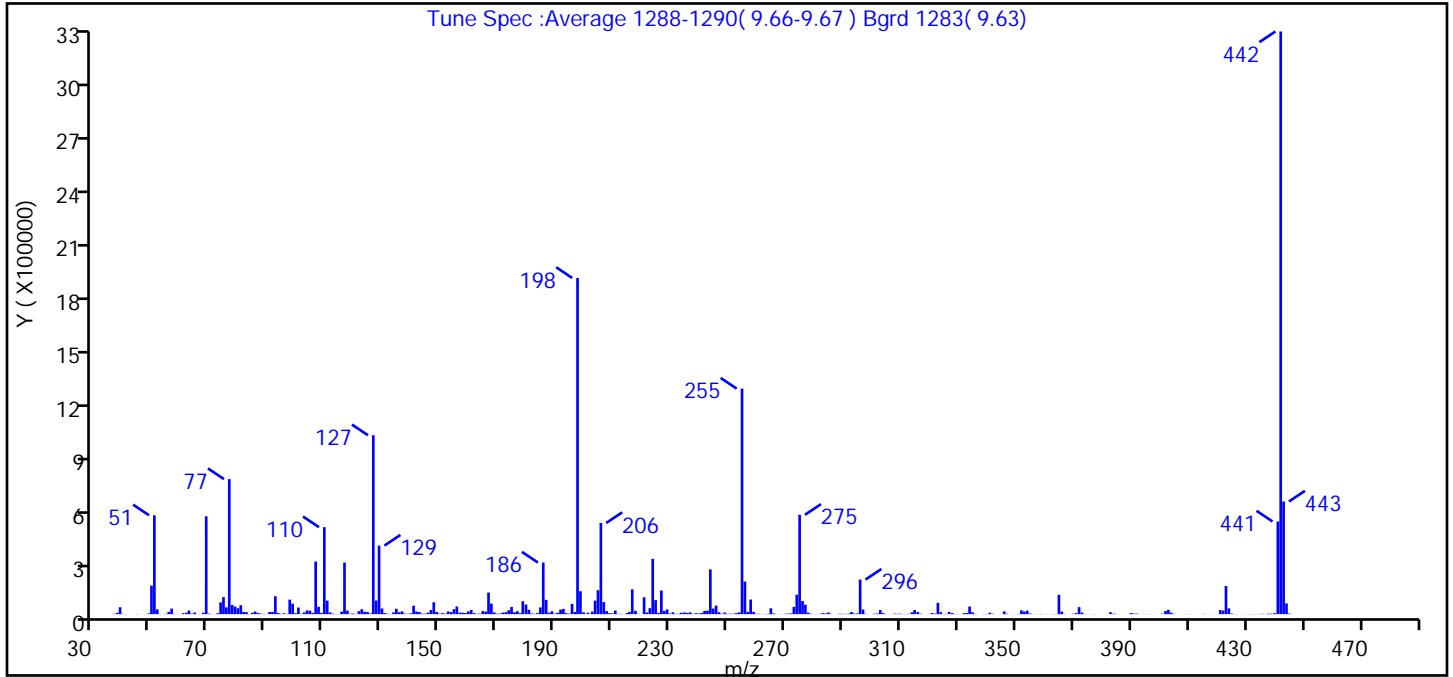
Reagents:

DFTPPx2_00044 Amount Added: 1.00 Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b007.D
 Injection Date: 25-Mar-2022 17:02:30 Instrument ID: SEA101
 Lims ID: dftpp
 Client ID:
 Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
 Tune Method: DFTPP Method 525.2, BP 198

34 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (57.7)
51	10-80% of the base peak	29.4
68	<2% of mass 69	0.4 (1.4)
69	Present	29.1
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	53.2
197	<2% of mass 198	0.6
199	5-9% of mass 198	6.8
275	10-60% of the base peak	29.5
365	>1% of the base peak	5.7
441	Present and < mass 443	27.6 (82.3)
442	base peak, or >50% of 198	173.3
443	15-24% of mass 442	33.5 (19.3)

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b007.D\8270_SIM_SEA101.rsl\spectra.
Injection Date: 25-Mar-2022 17:02:30
Spectrum: Tune Spec :Average 1288-1290(9.66-9.67) Bgrd 1283(9.63)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 403

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	135	140.00	4072	243.00	19104	344.00	98
37.00	1977	141.00	46456	244.00	245888	345.00	187
38.00	7074	142.00	14370	245.00	30680	346.00	14872
39.00	37800	143.00	11049	246.00	47168	347.00	2400
40.00	1330	144.00	2771	247.00	10290	348.00	358
41.00	766	145.00	2742	248.00	2038	349.00	114
43.00	51	146.00	8231	249.00	8689	350.00	572
44.00	369	147.00	22928	250.00	1609	351.00	1578
45.00	1113	148.00	65464	251.00	2313	352.00	21064
48.00	177	149.00	12321	252.00	2394	353.00	13890
49.00	4191	150.00	2968	253.00	5789	354.00	19464
50.00	156352	151.00	5414	254.00	9702	355.00	3467
51.00	543232	152.00	2923	255.00	1239040	356.00	350
52.00	26392	153.00	14653	256.00	178880	357.00	294
53.00	1013	154.00	11505	257.00	13063	358.00	623
54.00	171	155.00	27160	258.00	80232	359.00	1222
55.00	1798	156.00	42176	259.00	12823	360.00	358
56.00	12554	157.00	8054	260.00	2091	361.00	671
57.00	30560	158.00	7905	261.00	1997	362.00	293
58.00	1259	159.00	6282	262.00	520	363.00	706
59.00	466	160.00	15091	263.00	913	364.00	1008
60.00	327	161.00	23032	264.00	1876	365.00	106088
61.00	5548	162.00	5843	265.00	32304	366.00	14388
62.00	7473	163.00	1797	266.00	4236	367.00	1049
63.00	19824	164.00	2500	267.00	625	369.00	146
64.00	2434	165.00	16616	268.00	484	369.00	218
65.00	8715	166.00	13651	269.00	540	370.00	2113
66.00	626	167.00	118664	270.00	1772	371.00	5823
67.00	692	168.00	57760	271.00	2973	372.00	38472
68.00	7391	169.00	9078	272.00	4222	373.00	8926
69.00	537728	170.00	2667	273.00	39880	374.00	940
70.00	2898	171.00	3346	274.00	106440	375.00	143
71.00	585	172.00	8710	275.00	545856	376.00	84

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b007.D\8270_SIM_SEA101.rslt\spectra.

Injection Date: 25-Mar-2022 17:02:30

Spectrum: Tune Spec :Average 1288-1290(9.66-9.67) Bgrd 1283(9.63)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 403

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	352	173.00	10735	276.00	72368	377.00	895
73.00	5016	174.00	21096	277.00	51920	378.00	416
74.00	64504	175.00	39568	278.00	8300	379.00	176
75.00	93568	176.00	10416	279.00	1847	382.00	214
76.00	37032	177.00	15954	280.00	305	383.00	10550
77.00	742080	178.00	5553	281.00	372	384.00	2780
78.00	50160	179.00	70792	282.00	1340	385.00	1143
79.00	41832	180.00	52728	283.00	5354	386.00	194
80.00	32544	181.00	24144	284.00	3924	388.00	64
81.00	48808	182.00	3648	285.00	8498	389.00	327
82.00	12247	183.00	1994	286.00	1690	390.00	5629
83.00	10567	184.00	5839	287.00	114	391.00	3428
84.00	751	185.00	37112	288.00	528	392.00	2782
85.00	7918	186.00	283456	289.00	2326	393.00	555
86.00	14195	187.00	78688	290.00	1853	394.00	55
87.00	6450	188.00	8145	291.00	1073	395.00	382
88.00	2668	189.00	15581	292.00	2807	396.00	375
89.00	1314	190.00	3058	293.00	11519	397.00	496
90.00	501	191.00	7639	294.00	3237	398.00	235
91.00	11763	192.00	25344	295.00	4165	399.00	237
92.00	12476	193.00	28632	296.00	189824	400.00	63
93.00	98424	194.00	5530	297.00	25192	401.00	2649
94.00	6293	195.00	3225	298.00	1907	402.00	17064
95.00	1872	196.00	56488	299.00	317	403.00	23800
96.00	4862	197.00	11817	300.00	267	404.00	8107
97.00	1452	198.00	1847296	301.00	2334	405.00	1289
98.00	79616	199.00	125912	302.00	3634	408.00	153
99.00	57312	200.00	10220	303.00	22536	409.00	142
100.00	4731	202.00	7961	304.00	5991	410.00	852
101.00	36248	203.00	13676	305.00	940	411.00	288
102.00	2135	204.00	74376	306.00	112	413.00	94
103.00	9419	205.00	131648	307.00	429	414.00	133
104.00	20344	206.00	500864	308.00	2687	415.00	1236
105.00	18888	207.00	66400	309.00	1678	416.00	183

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b007.D\8270_SIM_SEA101.rslt\spectra.

Injection Date: 25-Mar-2022 17:02:30

Spectrum: Tune Spec :Average 1288-1290(9.66-9.67) Bgrd 1283(9.63)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 403

m/z	Y	m/z	Y	m/z	Y	m/z	Y
106.00	6366	208.00	17096	310.00	2382	417.00	195
107.00	288960	209.00	5519	311.00	666	418.00	245
108.00	40760	210.00	4041	312.00	1008	419.00	141
109.00	6882	211.00	19864	313.00	1754	420.00	470
110.00	477824	212.00	1549	314.00	10089	421.00	22280
111.00	74264	213.00	1552	315.00	22536	422.00	19744
112.00	9573	214.00	711	316.00	11976	423.00	154432
113.00	2999	215.00	5724	317.00	2153	424.00	31760
114.00	616	216.00	12320	318.00	331	425.00	3340
115.00	848	217.00	136256	319.00	376	426.00	582
116.00	13782	218.00	18344	320.00	817	427.00	429
117.00	283456	219.00	1651	321.00	6191	428.00	156
118.00	19608	221.00	93080	322.00	2957	429.00	363
119.00	2068	222.00	9371	323.00	62352	430.00	345
120.00	3314	223.00	32816	324.00	10659	431.00	547
121.00	1269	224.00	303616	325.00	1027	432.00	615
122.00	16392	225.00	76880	326.00	1597	433.00	734
123.00	26736	226.00	6997	327.00	12450	434.00	913
124.00	13263	227.00	129400	328.00	5922	435.00	1398
125.00	11831	228.00	17936	329.00	1238	436.00	1460
126.00	3567	229.00	25856	330.00	659	438.00	2099
127.00	983040	230.00	3123	331.00	319	438.00	1985
128.00	75152	231.00	9818	332.00	5242	439.00	2609
129.00	376640	232.00	1800	333.00	6749	440.00	5424
130.00	31056	233.00	2162	334.00	41680	441.00	509184
131.00	6191	234.00	7770	335.00	10236	442.00	3201536
132.00	2353	235.00	9335	336.00	1427	443.00	618880
133.00	844	236.00	6784	338.00	53	444.00	58728
134.00	9439	237.00	9684	338.00	66	445.00	3201
135.00	29560	238.00	1492	339.00	984	446.00	50
136.00	10609	239.00	5123	340.00	810	473.00	60
137.00	14857	240.00	3723	341.00	7424	476.00	79
138.00	3178	241.00	7030	342.00	2426	486.00	64
139.00	1870	242.00	17616	343.00	350		

m/z	Y	m/z	Y	m/z	Y	m/z	Y
106.00	6366	208.00	17096	310.00	2382	417.00	195
107.00	288960	209.00	5519	311.00	666	418.00	245
108.00	40760	210.00	4041	312.00	1008	419.00	141
109.00	6882	211.00	19864	313.00	1754	420.00	470
110.00	477824	212.00	1549	314.00	10089	421.00	22280
111.00	74264	213.00	1552	315.00	22536	422.00	19744
112.00	9573	214.00	711	316.00	11976	423.00	154432
113.00	2999	215.00	5724	317.00	2153	424.00	31760
114.00	616	216.00	12320	318.00	331	425.00	3340
115.00	848	217.00	136256	319.00	376	426.00	582
116.00	13782	218.00	18344	320.00	817	427.00	429
117.00	283456	219.00	1651	321.00	6191	428.00	156
118.00	19608	221.00	93080	322.00	2957	429.00	363
119.00	2068	222.00	9371	323.00	62352	430.00	345
120.00	3314	223.00	32816	324.00	10659	431.00	547
121.00	1269	224.00	303616	325.00	1027	432.00	615
122.00	16392	225.00	76880	326.00	1597	433.00	734
123.00	26736	226.00	6997	327.00	12450	434.00	913
124.00	13263	227.00	129400	328.00	5922	435.00	1398
125.00	11831	228.00	17936	329.00	1238	436.00	1460
126.00	3567	229.00	25856	330.00	659	438.00	2099
127.00	983040	230.00	3123	331.00	319	438.00	1985
128.00	75152	231.00	9818	332.00	5242	439.00	2609
129.00	376640	232.00	1800	333.00	6749	440.00	5424
130.00	31056	233.00	2162	334.00	41680	441.00	509184
131.00	6191	234.00	7770	335.00	10236	442.00	3201536
132.00	2353	235.00	9335	336.00	1427	443.00	618880
133.00	844	236.00	6784	338.00	53	444.00	58728
134.00	9439	237.00	9684	338.00	66	445.00	3201
135.00	29560	238.00	1492	339.00	984	446.00	50
136.00	10609	239.00	5123	340.00	810	473.00	60
137.00	14857	240.00	3723	341.00	7424	476.00	79
138.00	3178	241.00	7030	342.00	2426	486.00	64
139.00	1870	242.00	17616	343.00	350		

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b007.D

Injection Date: 25-Mar-2022 17:02:30

Instrument ID: SEA101

Lims ID: dftpp

Client ID:

Operator ID: tl

ALS Bottle#: 2

Worklist Smp#: 2

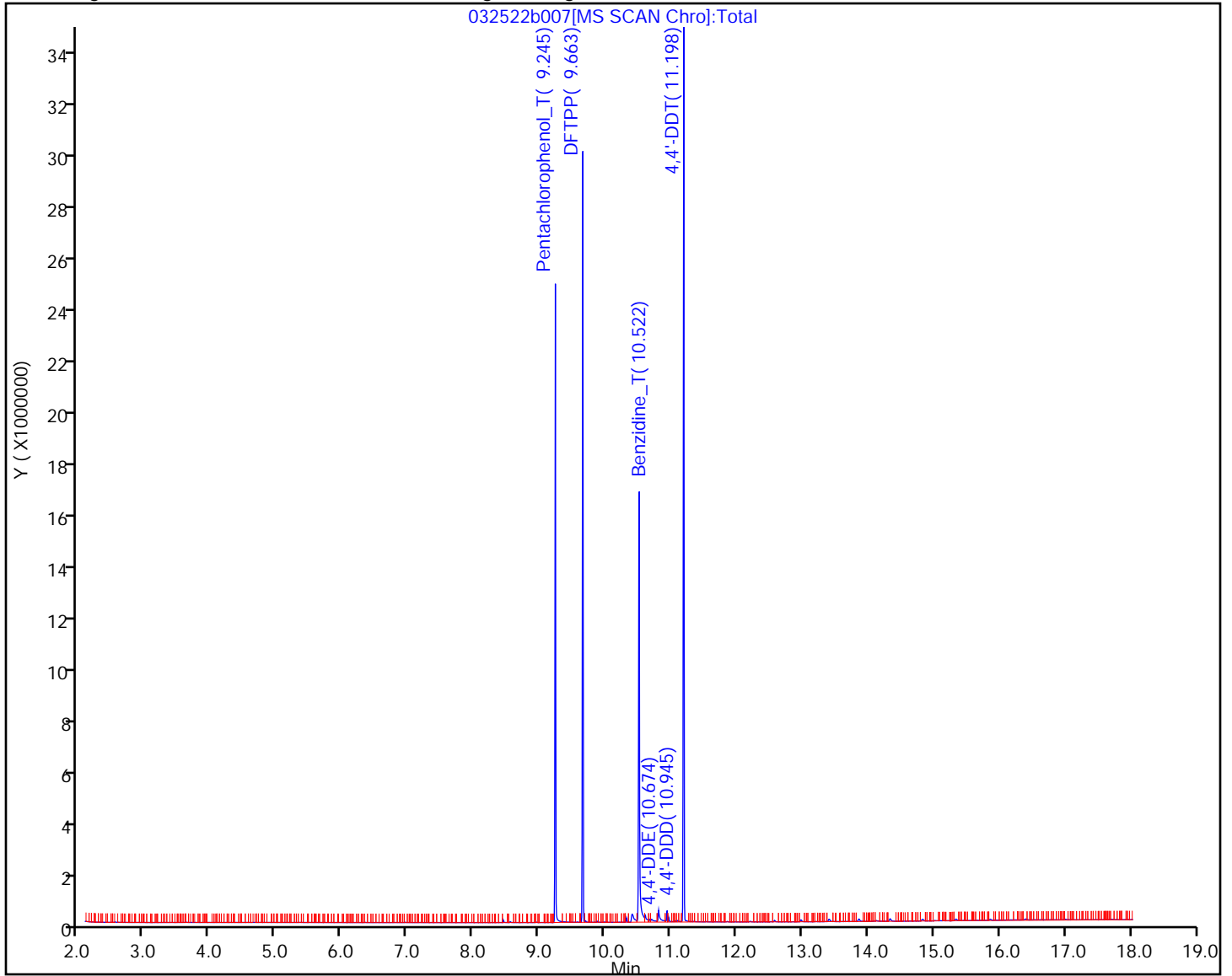
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b007.D
Injection Date: 25-Mar-2022 17:02:30 Instrument ID: SEA101
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0

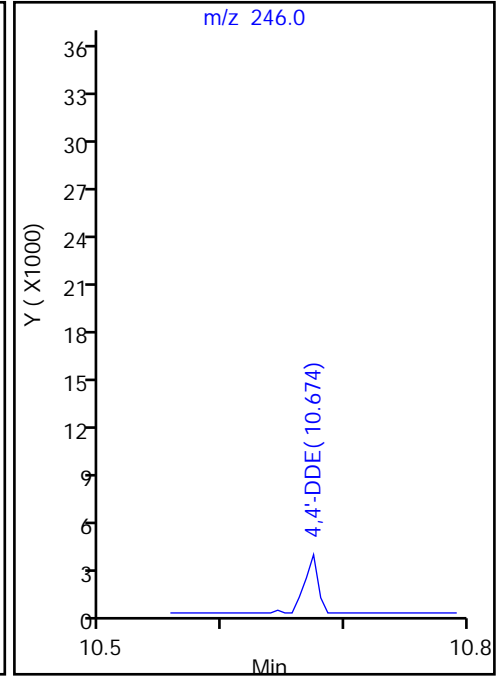
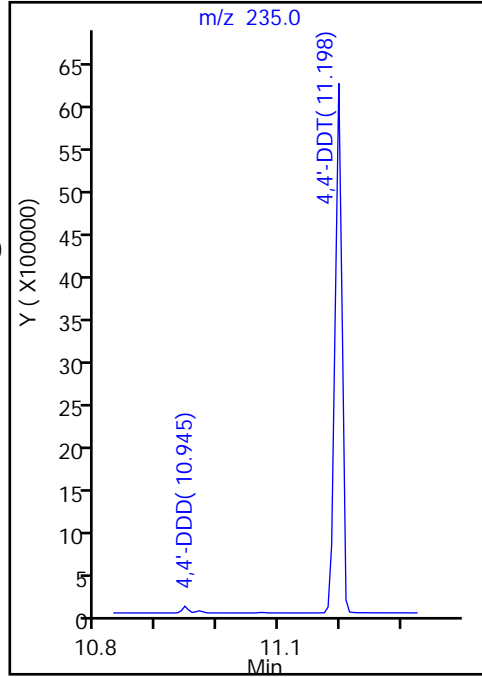
38 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

38 4,4'-DDT, Area = 4986313
36 4,4'-DDE, Area = 2732
37 4,4'-DDD, Area = 72050

%Breakdown: 1.48%, <= 20.00%
Passed



Eurofins Seattle

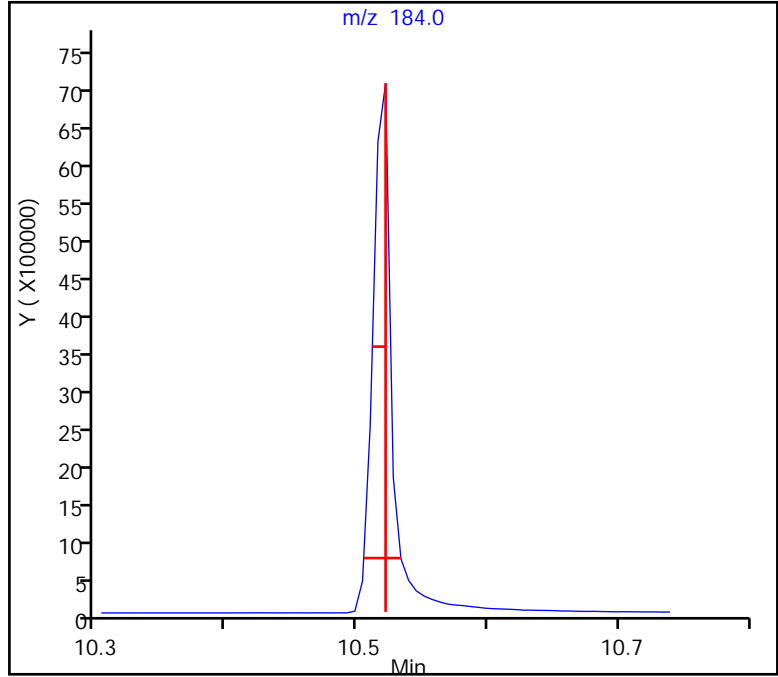
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Injection Date: 25-Mar-2022 17:02:30 Instrument ID: SEA101
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0

35 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 0.71, Max. Tailing <= 2.00
Passed



Eurofins Seattle

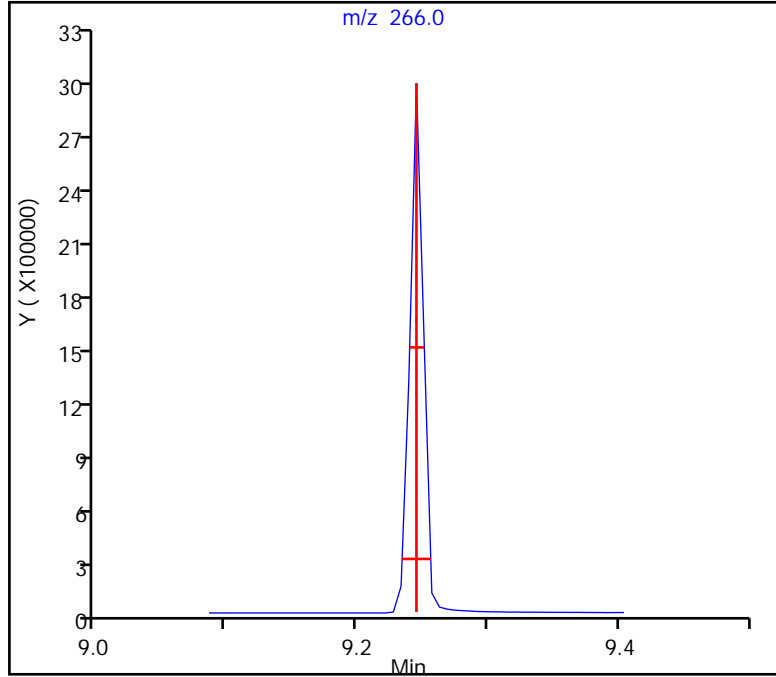
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b007.D
Injection Date: 25-Mar-2022 17:02:30 Instrument ID: SEA101
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0

33 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 14-Jan-2022 00:35:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: DFTPP
 Operator ID: jcm Instrument ID: TAC050
 Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 14-Jan-2022 15:43:29 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 09:53:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
31 Pentachlorophenol_T	266	9.467	9.467	0.000	0	2106417	NR	NR	
32 DFTPP									
33 Benzidine_T	184	10.838	10.838	0.000	0	8428769	NR	NR	e
34 4,4'-DDE	246	10.999	10.999	0.000	0	2920		NR	
35 4,4'-DDD	235	11.299	11.299	0.000	0	85436		NR	a
36 4,4'-DDT	235	11.568	11.568	0.000	0	5483688	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

e - Potential Peak Saturated

Review Flags

a - User Assigned ID

Reagents:

DFTPPx2_00044

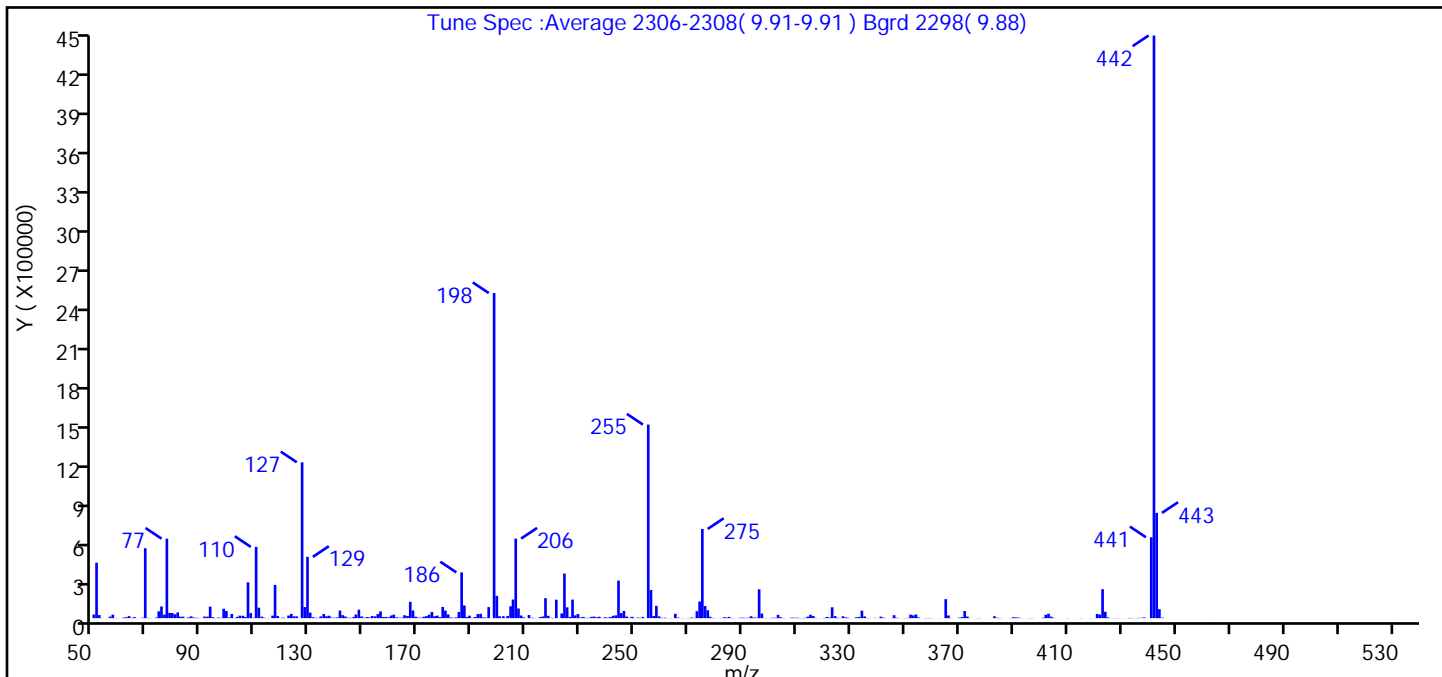
Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
 Injection Date: 14-Jan-2022 00:35:30 Instrument ID: TAC050
 Lims ID: dftpp
 Client ID:
 Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
 Tune Method: DFTPP Method 525.2, BP 198

32 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (55.8)
51	10-80% of the base peak	17.1
68	<2% of mass 69	0.1 (0.7)
69	Present	21.5
70	<2% of mass 69	0.1 (0.5)
127	10-80% of the base peak	47.9
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-60% of the base peak	27.4
365	>1% of the base peak	5.8
441	Present and < mass 443	24.9 (76.8)
442	base peak, or >50% of 198	179.2
443	15-24% of mass 442	32.4 (18.1)

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D\TAC050_SIM_PAH.rslt\spec
 Injection Date: 14-Jan-2022 00:35:30
 Spectrum: Tune Spec :Average 2306-2308(9.91-9.91) Bgrd 2298(9.88)
 Base Peak: 442.00
 Minimum % Base Peak: 0
 Number of Points: 383

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	28016	148.00	64592	247.00	12808	345.00	818
51.00	424768	149.00	13032	248.00	3046	346.00	22680
52.00	23664	150.00	4059	249.00	10351	347.00	3321
53.00	1368	151.00	8260	250.00	2167	348.00	876
55.00	910	152.00	4447	251.00	3749	349.00	492
56.00	11806	153.00	16248	252.00	2709	350.00	1294
57.00	26760	154.00	13690	253.00	8949	351.00	2304
58.00	780	155.00	31256	255.00	1482752	352.00	26584
59.00	693	156.00	51632	256.00	215360	353.00	21256
60.00	434	157.00	8988	257.00	16480	354.00	28264
61.00	4565	158.00	8997	258.00	94168	355.00	5701
62.00	7277	159.00	6809	259.00	13538	356.00	270
63.00	15716	160.00	20296	260.00	3100	357.00	833
64.00	2512	161.00	26888	261.00	3477	358.00	1309
65.00	8021	162.00	6478	262.00	1005	359.00	1821
66.00	836	163.00	2887	263.00	1378	360.00	715
67.00	57	164.00	3616	264.00	126	361.00	437
68.00	3729	165.00	22344	265.00	33176	363.00	293
69.00	535488	166.00	16696	266.00	4862	363.00	486
70.00	2476	167.00	124952	267.00	355	365.00	145472
71.00	812	168.00	58888	268.00	1404	366.00	20392
72.00	226	169.00	10821	269.00	716	367.00	1547
73.00	4311	170.00	3753	270.00	1322	368.00	195
74.00	52416	171.00	3693	271.00	4696	370.00	261
75.00	89248	172.00	10674	272.00	1731	370.00	4063
76.00	27176	173.00	15522	273.00	53256	371.00	8551
77.00	608704	174.00	26472	274.00	127448	372.00	54640
78.00	40288	175.00	47960	275.00	683200	373.00	12515
79.00	38952	176.00	15028	276.00	93152	374.00	967
80.00	29712	177.00	19160	277.00	60336	375.00	51
81.00	43536	178.00	8029	278.00	10391	376.00	274
82.00	10987	179.00	86264	279.00	2178	377.00	1290
83.00	11341	180.00	57880	280.00	288	378.00	705

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D\TAC050_SIM_PAH.rslt\spec

Injection Date: 14-Jan-2022 00:35:30

Spectrum: Tune Spec :Average 2306-2308(9.91-9.91) Bgrd 2298(9.88)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 383

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	119	181.00	28336	281.00	523	379.00	43
85.00	6057	182.00	5128	282.00	1597	382.00	350
86.00	13572	183.00	2858	283.00	7036	383.00	14753
87.00	4614	184.00	5555	284.00	4392	384.00	3196
88.00	2800	185.00	48056	285.00	9698	385.00	1780
89.00	1671	186.00	350528	286.00	1437	386.00	365
90.00	459	187.00	96984	287.00	687	389.00	1347
91.00	11999	188.00	9239	288.00	679	390.00	7322
92.00	11741	189.00	18528	289.00	3184	391.00	5982
93.00	88216	190.00	2753	290.00	3225	392.00	4145
94.00	7659	191.00	9162	291.00	2184	393.00	747
95.00	910	192.00	30824	292.00	3239	394.00	222
96.00	4643	193.00	33168	293.00	14267	396.00	927
97.00	1818	194.00	6029	294.00	4676	396.00	386
98.00	72000	195.00	4141	295.00	4100	397.00	1296
99.00	55504	196.00	84664	296.00	221120	398.00	77
100.00	4989	198.00	2490368	297.00	35376	401.00	3532
101.00	31768	199.00	170816	298.00	1510	402.00	25552
102.00	1699	200.00	15056	299.00	902	403.00	34016
103.00	9685	201.00	14672	300.00	1088	404.00	11092
104.00	19136	202.00	1682	301.00	2904	405.00	2519
105.00	17768	203.00	17072	302.00	3005	406.00	224
106.00	8405	204.00	90856	303.00	25208	407.00	87
107.00	274176	205.00	142656	304.00	7757	408.00	162
108.00	38352	206.00	609344	305.00	1569	409.00	320
109.00	3086	207.00	74016	306.00	275	410.00	1428
110.00	545728	208.00	20088	307.00	533	415.00	1456
111.00	80112	209.00	5984	308.00	4075	416.00	377
112.00	11404	211.00	23808	309.00	2959	417.00	259
113.00	3233	212.00	2964	310.00	4154	418.00	186
114.00	955	213.00	1614	311.00	1245	419.00	540
115.00	672	214.00	748	312.00	1237	420.00	631
116.00	18896	215.00	8242	313.00	2744	421.00	32232
117.00	254592	216.00	12818	314.00	11476	422.00	27504

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D\TAC050_SIM_PAH.rsl\spec

Injection Date: 14-Jan-2022 00:35:30

Spectrum: Tune Spec :Average 2306-2308(9.91-9.91) Bgrd 2298(9.88)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 383

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	16792	217.00	152832	315.00	26232	423.00	222080
119.00	1360	218.00	17872	316.00	16202	424.00	48520
120.00	4089	219.00	2624	317.00	2406	425.00	6179
121.00	458	220.00	1144	318.00	488	426.00	576
122.00	20056	221.00	141184	319.00	603	427.00	961
123.00	32960	223.00	35560	320.00	1378	428.00	772
124.00	13806	224.00	342080	321.00	9064	429.00	810
125.00	13381	225.00	82864	322.00	4998	430.00	485
127.00	1193984	226.00	9699	323.00	83336	431.00	1011
128.00	85008	227.00	142144	324.00	15496	433.00	520
129.00	469312	228.00	21168	325.00	2791	433.00	1672
130.00	42680	229.00	31728	326.00	1173	434.00	1682
131.00	6990	230.00	5176	327.00	14334	435.00	497
132.00	3376	231.00	9010	328.00	6358	436.00	1644
133.00	1480	232.00	1891	329.00	2231	437.00	1964
134.00	13199	233.00	2700	330.00	422	438.00	4272
135.00	31456	234.00	10123	331.00	584	439.00	3895
136.00	14336	235.00	11856	332.00	7236	441.00	619648
137.00	18336	236.00	6186	333.00	9503	442.00	4463616
138.00	3811	237.00	10719	334.00	57088	443.00	806336
139.00	3100	238.00	1081	335.00	13338	444.00	69072
140.00	5323	239.00	6521	336.00	1735	445.00	4355
141.00	57752	240.00	4658	337.00	485	465.00	170
142.00	22728	241.00	8515	339.00	1674	479.00	56
143.00	12772	242.00	18000	340.00	691	530.00	89
144.00	2916	243.00	21464	341.00	11275	533.00	63
145.00	2986	244.00	287680	342.00	3821	534.00	52
146.00	8757	245.00	38776	343.00	539	536.00	55
147.00	27544	246.00	55264	344.00	161		

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D

Injection Date: 14-Jan-2022 00:35:30

Instrument ID: TAC050

Lims ID: dftpp

Client ID:

Operator ID: jcm

ALS Bottle#: 2

Worklist Smp#: 2

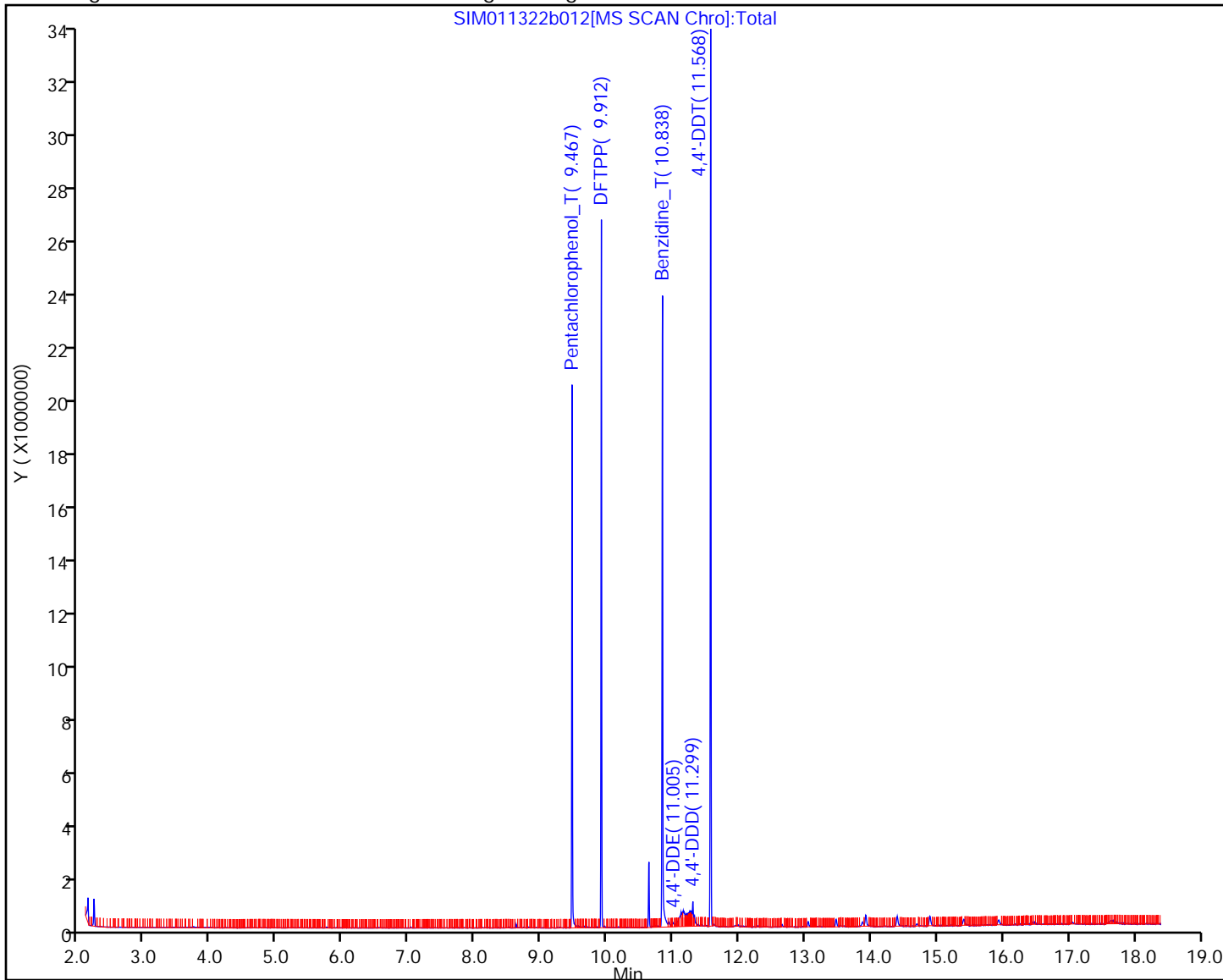
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
Injection Date: 14-Jan-2022 00:35:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

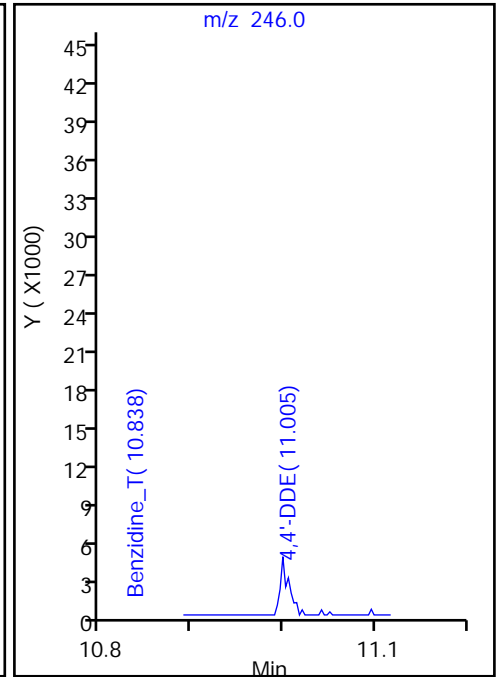
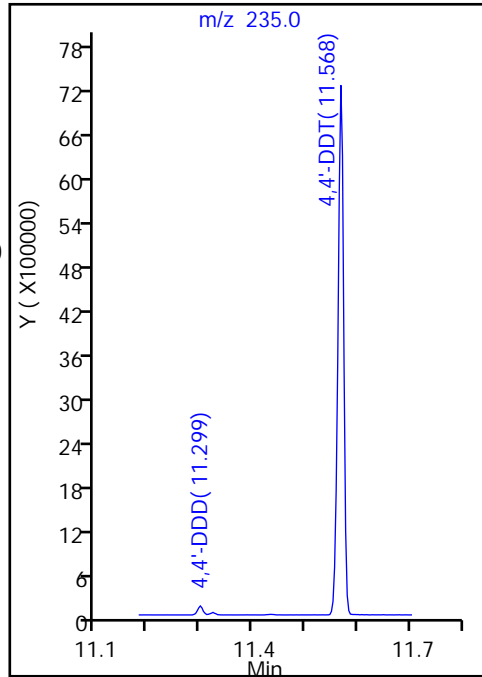
36 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

36 4,4'-DDT, Area = 5483688
35 4,4'-DDD, Area = 85436
34 4,4'-DDE, Area = 2920

%Breakdown: 1.59%, <= 20.00%
Passed



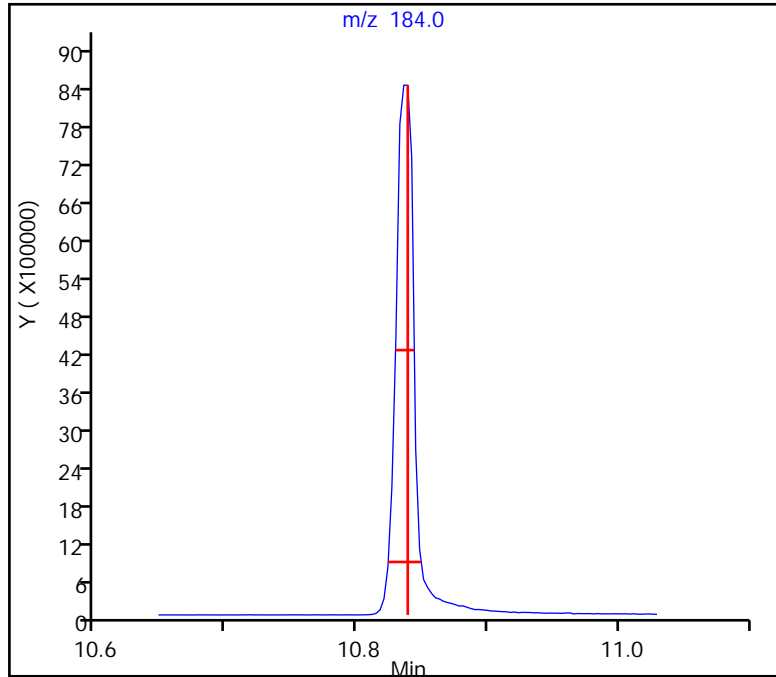
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
Injection Date: 14-Jan-2022 00:35:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
33 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.67, Max. Tailing <= 2.00
Passed



Eurofins Seattle

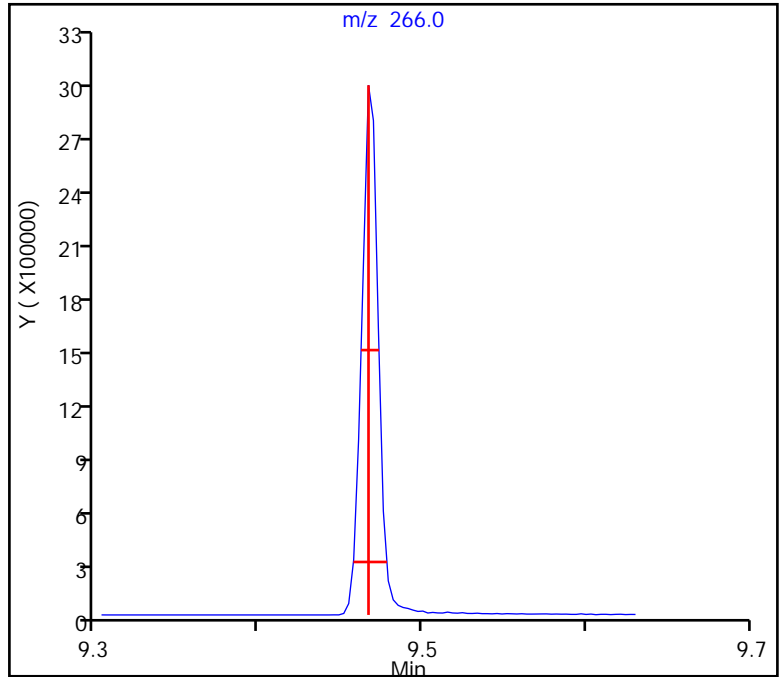
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
Injection Date: 14-Jan-2022 00:35:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

31 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.22, Max. Tailing <= 2.00
Passed



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a003.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 21-Mar-2022 10:36:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: DFTPP
 Operator ID: tl Instrument ID: TAC050
 Method: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 22-Mar-2022 08:47:19 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1663

First Level Reviewer: limwirojt

Date: 22-Mar-2022 08:47:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
31 Pentachlorophenol_T	266	9.455	9.455	0.000	0	1712555	NR	NR	
32 DFTPP									
33 Benzidine_T	184	10.823	10.823	0.000	0	5554507	NR	NR	
34 4,4'-DDE	246	10.981	10.981	0.000	0	1373		NR	
35 4,4'-DDD	235	11.284	11.284	0.000	0	22682		NR	
36 4,4'-DDT	235	11.550	11.550	0.000	0	4517246	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

DFTPPx2_00044

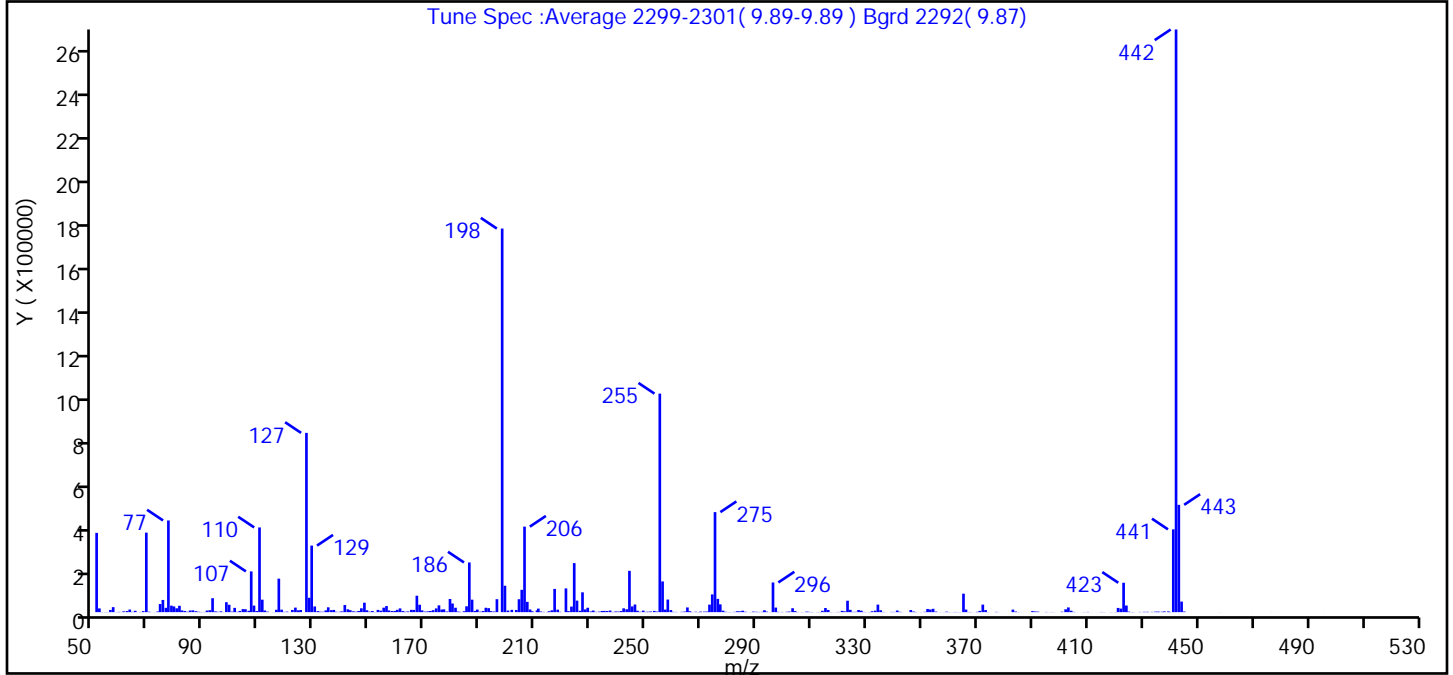
Amount Added: 1.00

Units: mL

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a003.D
 Injection Date: 21-Mar-2022 10:36:30 Instrument ID: TAC050
 Lims ID: dftpp
 Client ID:
 Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
 Tune Method: DFTPP Method 525.2, BP 198

32 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (65.8)
51	10-80% of the base peak	20.7
68	<2% of mass 69	0.3 (1.3)
69	Present	20.7
70	<2% of mass 69	0.1 (0.5)
127	10-80% of the base peak	46.7
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-60% of the base peak	26.1
365	>1% of the base peak	4.8
441	Present and < mass 443	21.6 (77.2)
442	base peak, or >50% of 198	151.9
443	15-24% of mass 442	28.0 (18.4)

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a003.D\TAC050_SIM_PAH.rslt\spec
 Injection Date: 21-Mar-2022 10:36:30
 Spectrum: Tune Spec :Average 2299-2301(9.89-9.89) Bgrd 2292(9.87)
 Base Peak: 442.00
 Minimum % Base Peak: 0
 Number of Points: 378

m/z	Y	m/z	Y	m/z	Y	m/z	Y
51.00	353920	148.00	42104	246.00	34176	343.00	375
52.00	16640	149.00	8259	247.00	5999	346.00	9356
53.00	564	150.00	2113	248.00	1687	347.00	2742
54.00	551	151.00	4941	249.00	6775	348.00	917
55.00	481	152.00	626	250.00	1421	350.00	170
56.00	9976	153.00	10033	251.00	1864	350.00	319
57.00	22288	154.00	6663	252.00	2940	351.00	1597
58.00	572	155.00	19928	253.00	5543	352.00	14203
59.00	1246	156.00	27096	254.00	2693	353.00	11773
60.00	234	157.00	7546	255.00	975616	354.00	14910
61.00	3618	158.00	4893	256.00	137088	355.00	2544
62.00	4798	159.00	5376	257.00	11428	356.00	253
63.00	11586	160.00	10303	258.00	56216	357.00	251
64.00	1370	161.00	16656	259.00	9269	358.00	323
65.00	5934	162.00	4796	260.00	1362	359.00	2146
66.00	84	163.00	1998	261.00	1008	360.00	495
67.00	756	164.00	3185	262.00	87	361.00	299
68.00	4610	165.00	10220	263.00	1378	362.00	856
69.00	354944	166.00	9989	264.00	2784	363.00	381
70.00	1951	167.00	73360	265.00	21032	364.00	588
71.00	239	168.00	33008	266.00	4153	365.00	82496
72.00	442	169.00	7819	267.00	563	366.00	11534
73.00	2800	170.00	2582	268.00	1805	367.00	917
74.00	36096	171.00	3476	269.00	685	368.00	571
75.00	54464	172.00	5241	270.00	2357	370.00	362
76.00	19296	173.00	8704	271.00	2376	370.00	1279
77.00	409344	174.00	16696	272.00	2733	371.00	5482
78.00	28928	175.00	30320	273.00	33592	372.00	33632
79.00	25536	176.00	11489	274.00	79128	373.00	9319
80.00	17144	177.00	12494	275.00	446592	374.00	553
81.00	28464	178.00	2978	276.00	59160	377.00	1241
82.00	7597	179.00	58856	277.00	34840	378.00	267
83.00	5270	180.00	38448	278.00	6646	383.00	11281

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a003.D\TAC050_SIM_PAH.rslt\spec

Injection Date: 21-Mar-2022 10:36:30

Spectrum: Tune Spec :Average 2299-2301(9.89-9.89) Bgrd 2292(9.87)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 378

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	1967	181.00	19680	279.00	1664	384.00	2785
85.00	7326	182.00	2513	280.00	494	385.00	479
86.00	7977	183.00	1187	281.00	567	386.00	212
87.00	4311	184.00	4091	282.00	1402	390.00	4675
88.00	1705	185.00	26080	283.00	4078	391.00	3054
89.00	865	186.00	221824	284.00	3578	392.00	2279
90.00	888	187.00	55672	285.00	6417	395.00	862
91.00	7050	188.00	5509	286.00	1941	396.00	281
92.00	8526	189.00	11428	287.00	206	397.00	596
93.00	62184	190.00	2167	288.00	449	398.00	219
94.00	3452	191.00	4937	289.00	2533	401.00	1982
95.00	1476	192.00	19496	290.00	1571	402.00	12801
96.00	3636	193.00	17800	291.00	1035	403.00	21072
97.00	481	194.00	4355	292.00	1443	404.00	6385
98.00	44344	195.00	2920	293.00	8255	405.00	1237
99.00	32920	196.00	57816	294.00	2327	406.00	163
100.00	2476	198.00	1712640	295.00	384	408.00	69
101.00	19104	199.00	117896	296.00	132544	409.00	510
102.00	1419	200.00	7156	297.00	20320	410.00	1026
103.00	5337	201.00	10288	298.00	1332	411.00	163
104.00	13603	203.00	9675	299.00	1003	413.00	54
105.00	13023	204.00	57672	301.00	1675	414.00	61
106.00	6070	205.00	99720	302.00	2652	415.00	814
107.00	181888	206.00	381824	303.00	17504	416.00	477
108.00	29216	207.00	45968	304.00	4582	418.00	288
109.00	5018	208.00	11851	305.00	762	419.00	371
110.00	378240	209.00	3977	306.00	250	420.00	580
111.00	55688	210.00	7808	307.00	457	421.00	18816
112.00	7384	211.00	15758	308.00	2176	422.00	15768
113.00	2351	212.00	2956	309.00	1650	423.00	131200
115.00	556	213.00	1169	310.00	730	424.00	29608
116.00	10551	214.00	808	311.00	262	425.00	2415
117.00	149504	215.00	4056	312.00	537	426.00	621
118.00	11006	216.00	8143	313.00	683	427.00	355

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a003.D\TAC050_SIM_PAH.rslt\spec

Injection Date: 21-Mar-2022 10:36:30

Spectrum: Tune Spec :Average 2299-2301(9.89-9.89) Bgrd 2292(9.87)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 378

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	1456	217.00	103720	314.00	5917	429.00	975
120.00	2309	218.00	11095	315.00	18368	430.00	1290
121.00	209	219.00	1417	316.00	9882	431.00	1107
122.00	9831	221.00	106032	317.00	639	432.00	1411
123.00	20184	222.00	4668	319.00	131	433.00	1235
124.00	8259	223.00	24848	319.00	236	434.00	2135
125.00	9559	224.00	218944	320.00	1036	435.00	1637
127.00	800320	225.00	51400	321.00	5733	436.00	1962
128.00	64184	226.00	6098	322.00	3755	437.00	1965
129.00	297152	227.00	88432	323.00	50984	438.00	3285
130.00	25432	228.00	12165	324.00	10317	439.00	3280
131.00	4549	229.00	19576	325.00	1295	440.00	921
132.00	2091	230.00	3176	326.00	1465	441.00	369664
133.00	1733	231.00	7123	327.00	9559	442.00	2601472
134.00	7741	232.00	1378	328.00	6484	443.00	479104
135.00	21552	233.00	2425	329.00	1065	444.00	47128
136.00	8698	234.00	5243	330.00	418	445.00	2736
137.00	9907	235.00	5431	331.00	655	458.00	226
138.00	1701	236.00	5209	332.00	4035	470.00	90
139.00	1657	237.00	7139	333.00	6671	472.00	57
140.00	3259	238.00	1009	334.00	33624	477.00	198
141.00	31776	239.00	3106	335.00	8509	479.00	51
142.00	12700	240.00	2618	336.00	1063	488.00	57
143.00	8463	241.00	4801	337.00	217	496.00	75
144.00	3613	242.00	17000	339.00	1139	508.00	104
145.00	1886	243.00	12985	340.00	1006	520.00	59
146.00	5303	244.00	184512	341.00	7297		
147.00	17208	245.00	25656	342.00	1641		

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a003.D

Injection Date: 21-Mar-2022 10:36:30

Instrument ID: TAC050

Lims ID: dftpp

Client ID:

Operator ID: tl

ALS Bottle#: 2

Worklist Smp#: 2

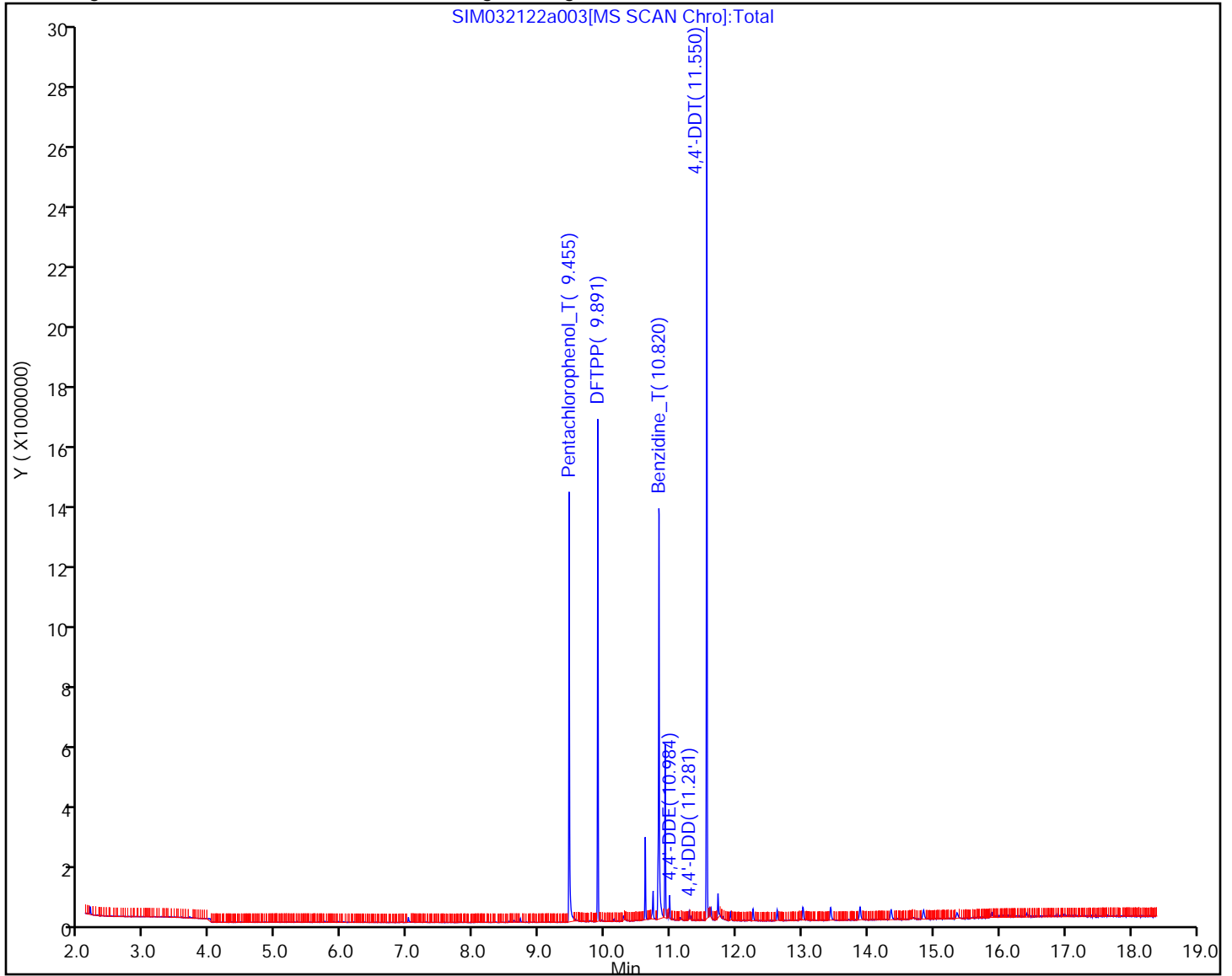
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

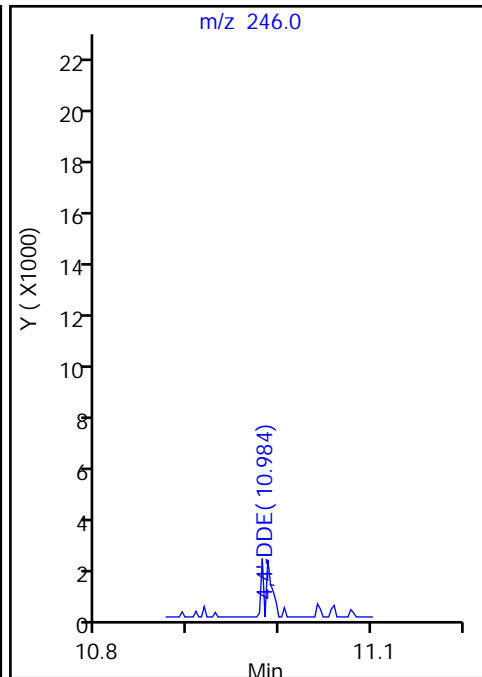
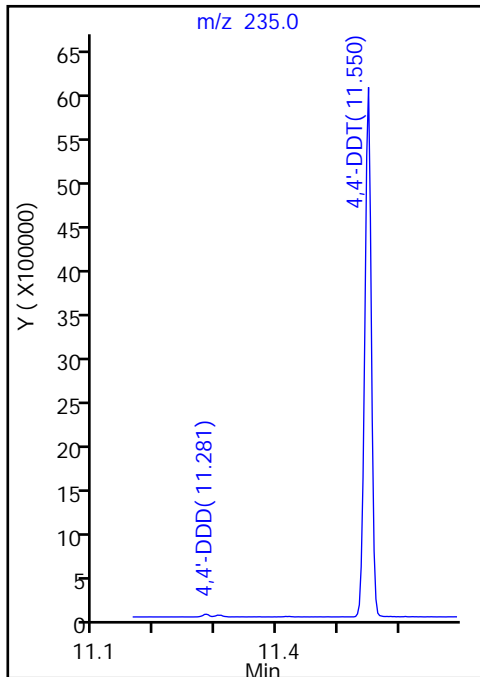
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Injection Date: 21-Mar-2022 10:36:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
36 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

36 4,4'-DDT, Area = 4517246
35 4,4'-DDD, Area = 22682
34 4,4'-DDE, Area = 1373

%Breakdown: 0.53%, <= 20.00%
Passed



Eurofins Seattle

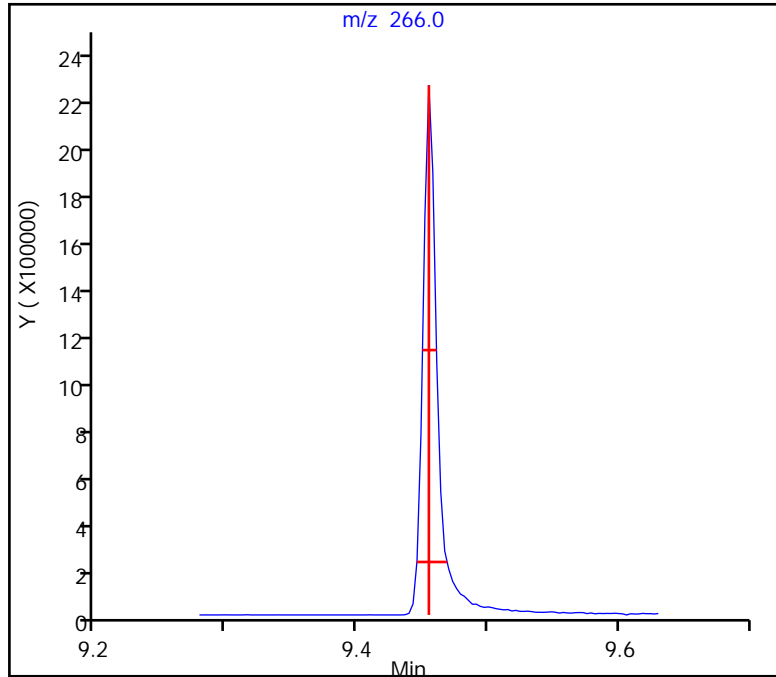
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Injection Date: 21-Mar-2022 10:36:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

31 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.56, Max. Tailing <= 2.00
Passed



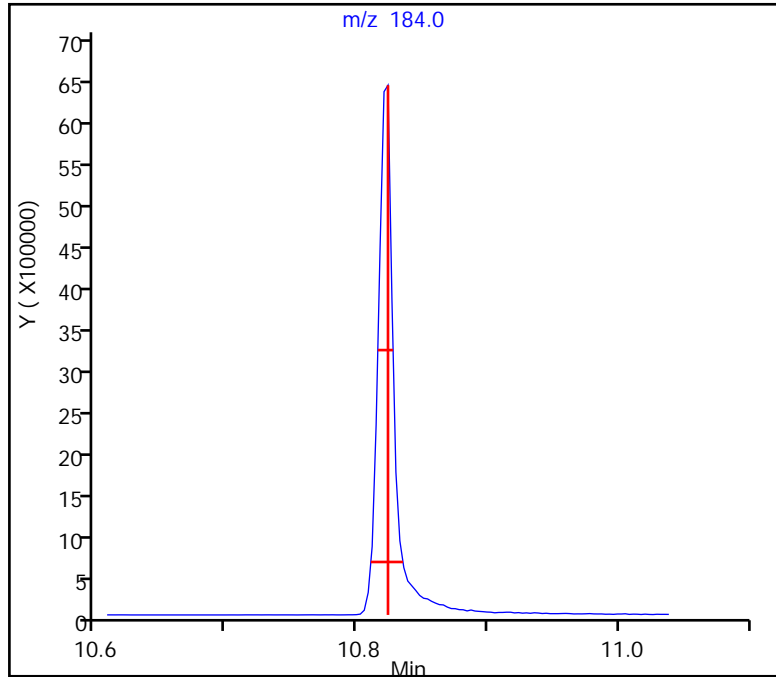
Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a003.D
Injection Date: 21-Mar-2022 10:36:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
33 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 0.85, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-384314/1-A
 Matrix: Water Lab File ID: SIM032122a006.D
 Analysis Method: 8270E SIM Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/18/2022 10:55
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/21/2022 12:29
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384521 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U M	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.080	U M	0.20	0.080	0.039
83-32-9	Acenaphthene	0.032	U M	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U	0.050	0.032	0.0090
120-12-7	Anthracene	0.080	U	0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	0.032	U	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U M	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.032	0.014
91-20-3	Naphthalene	0.080	U M	0.10	0.080	0.031
85-01-8	Phenanthrene	0.080	U M	0.10	0.080	0.031
129-00-0	Pyrene	0.080	U M	0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	76		40-140
93951-69-0	Fluoranthene-d10 (Surr)	102		40-140
1718-51-0	Terphenyl-d14	110		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a006.D
 Lims ID: MB 580-384314/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 21-Mar-2022 12:29:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: MB 580-384314/1-A
 Operator ID: tl Instrument ID: TAC050
 Method: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 22-Mar-2022 08:59:12 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1663

First Level Reviewer: limwirojt Date: 22-Mar-2022 08:59:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.148	5.148	0.000	90	14811	100.0	100.0	
* 2 Acenaphthene-d10	164	6.836	6.832	0.004	71	7103	100.0	100.0	
* 3 Phenanthrene-d10	188	8.303	8.299	0.004	56	13238	100.0	100.0	
* 4 Chrysene-d12	240	11.012	11.007	0.005	48	11577	100.0	100.0	
* 5 Perylene-d12	264	13.056	13.056	0.000	69	14097	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	66518	1000.0	759.2	
\$ 10 2-Fluorobiphenyl	172	6.170	6.170	0.000	0	87895	1000.0	773.3	Ma
\$ 7 2,4,6-Tribromophenol	330	7.614	7.614	0.000	57	19786	1000.0	1010.3	
\$ 8 Fluoranthene-d10 (Surr)	212	9.486	9.487	-0.001	67	139378	1000.0	1019.2	
\$ 9 Terphenyl-d14	244	9.876	9.876	0.000	93	116733	1000.0	1100.3	
11 Naphthalene	128	5.166	5.166	0.000	88	254		1.62	M
12 2-Methylnaphthalene	141	5.818	5.818	0.000	89	166		1.87	M
13 1-Methylnaphthalene	141	5.914	5.914	0.000	95	96		1.12	M
18 Phenanthrene	178	8.326	8.323	0.004	99	241		0.3103	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a006.D

Injection Date: 21-Mar-2022 12:29:30

Instrument ID: TAC050

Lims ID: MB 580-384314/1-A

Client ID:

Operator ID: tl

ALS Bottle#: 5

Worklist Smp#: 5

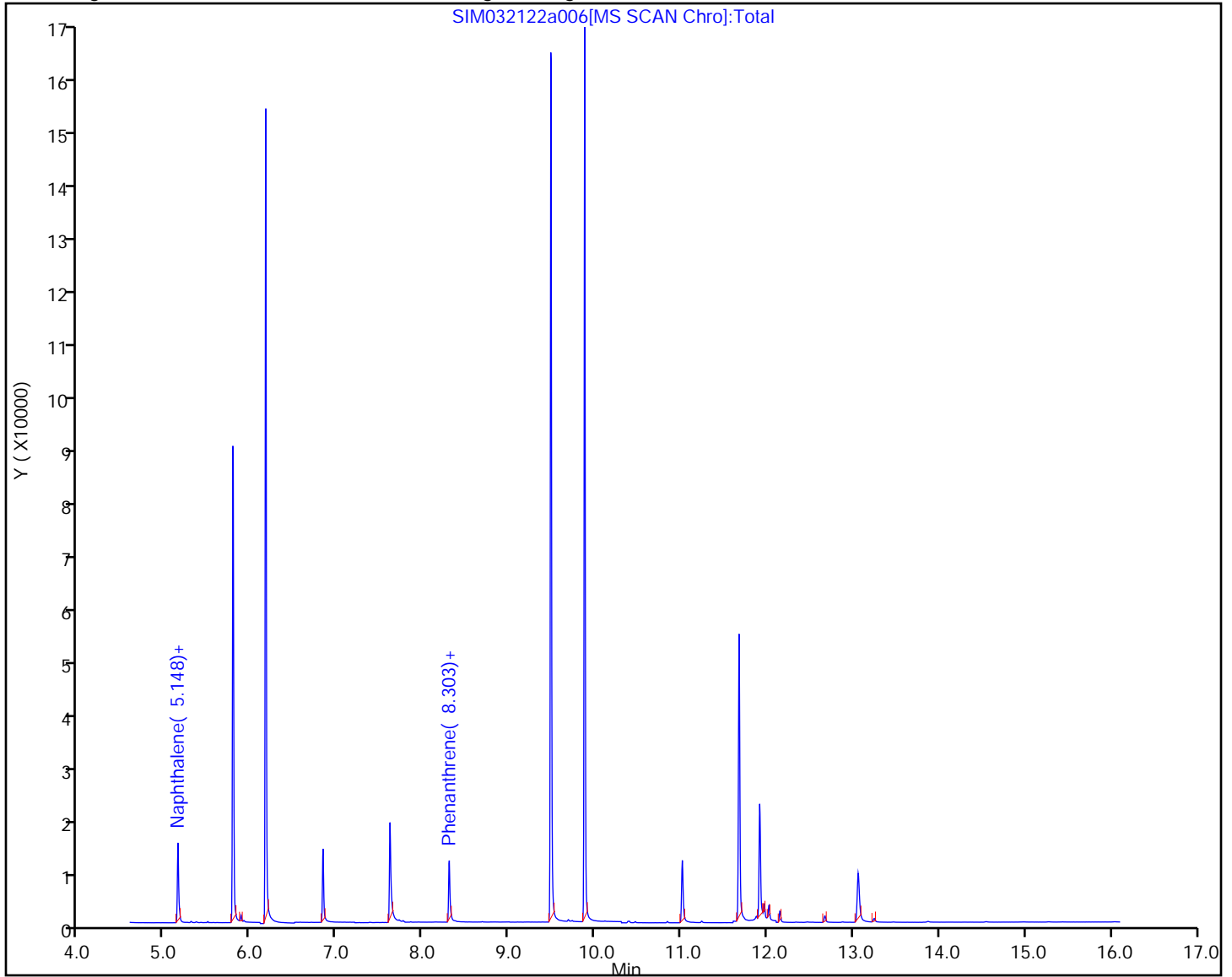
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a006.D
 Lims ID: MB 580-384314/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 21-Mar-2022 12:29:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: MB 580-384314/1-A
 Operator ID: tl Instrument ID: TAC050
 Method: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 22-Mar-2022 08:59:12 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1663

First Level Reviewer: limwirojt

Date: 22-Mar-2022 08:59:12

Compound	Amount Added	Amount Recovered	% Rec.
\$ 6 2-methylnaphthalene-d10	1000.0	759.2	75.92
\$ 10 2-Fluorobiphenyl	1000.0	773.3	77.33
\$ 7 2,4,6-Tribromophenol	1000.0	1010.3	101.03
\$ 8 Fluoranthene-d10 (Surr)	1000.0	1019.2	101.92
\$ 9 Terphenyl-d14	1000.0	1100.3	110.03

Eurofins Seattle

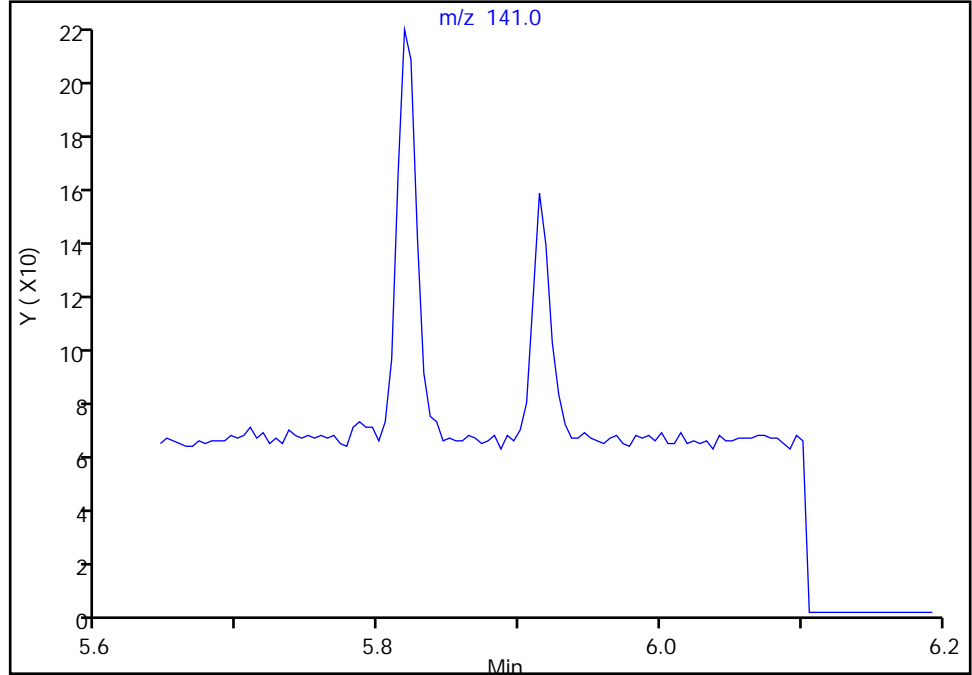
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Injection Date: 21-Mar-2022 12:29:30 Instrument ID: TAC050
Lims ID: MB 580-384314/1-A
Client ID:
Operator ID: tl ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

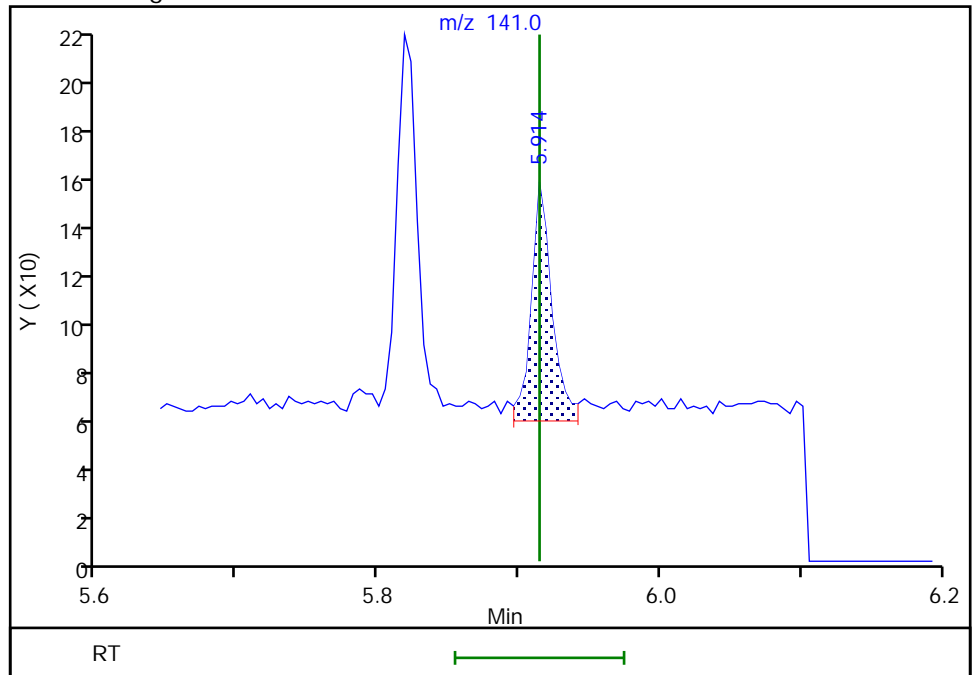
Not Detected
Expected RT: 5.91

Processing Integration Results



Manual Integration Results

RT: 5.91
Area: 96
Amount: 1.115605
Amount Units: ug/L



Reviewer: limwirojt, 22-Mar-2022 08:57:30
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

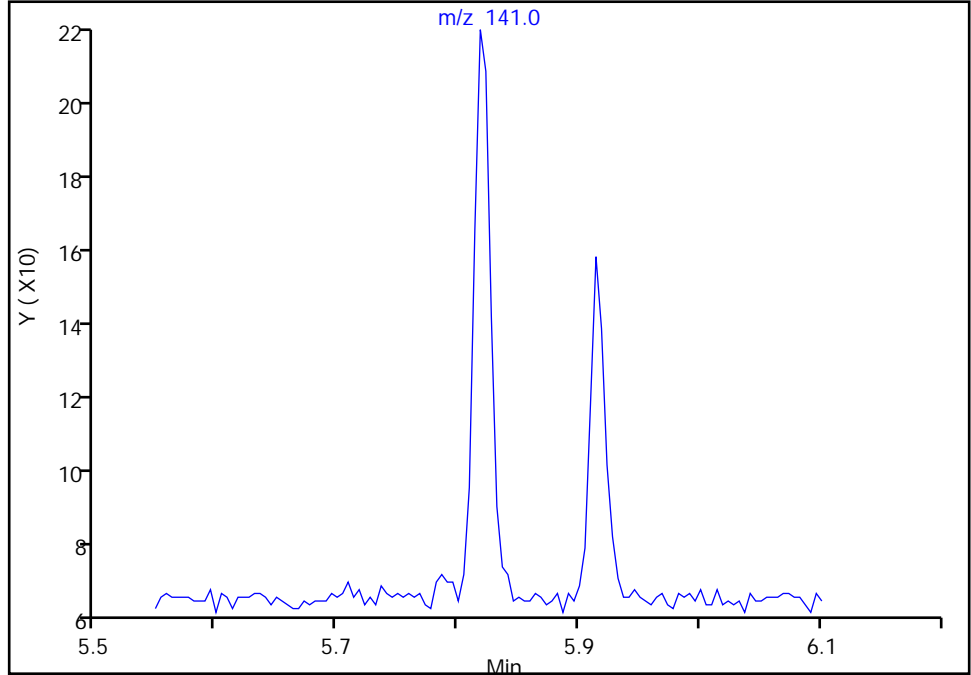
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a006.D
Injection Date: 21-Mar-2022 12:29:30 Instrument ID: TAC050
Lims ID: MB 580-384314/1-A
Client ID:
Operator ID: tl ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

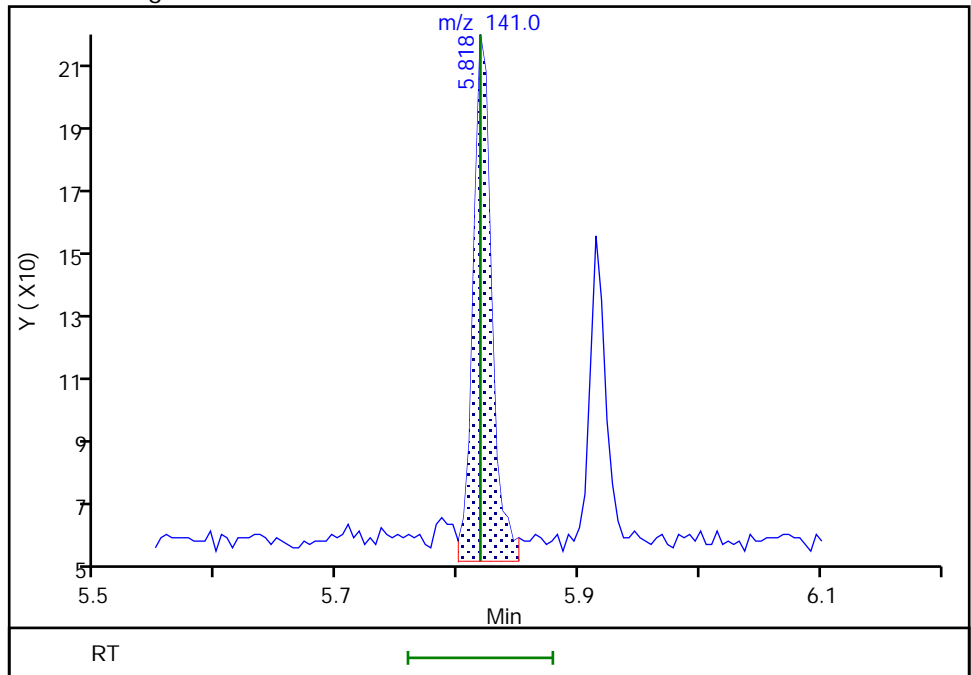
Not Detected
Expected RT: 5.82

Processing Integration Results



Manual Integration Results

RT: 5.82
Area: 166
Amount: 1.868520
Amount Units: ug/L



Reviewer: limwirojt, 22-Mar-2022 08:57:25
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

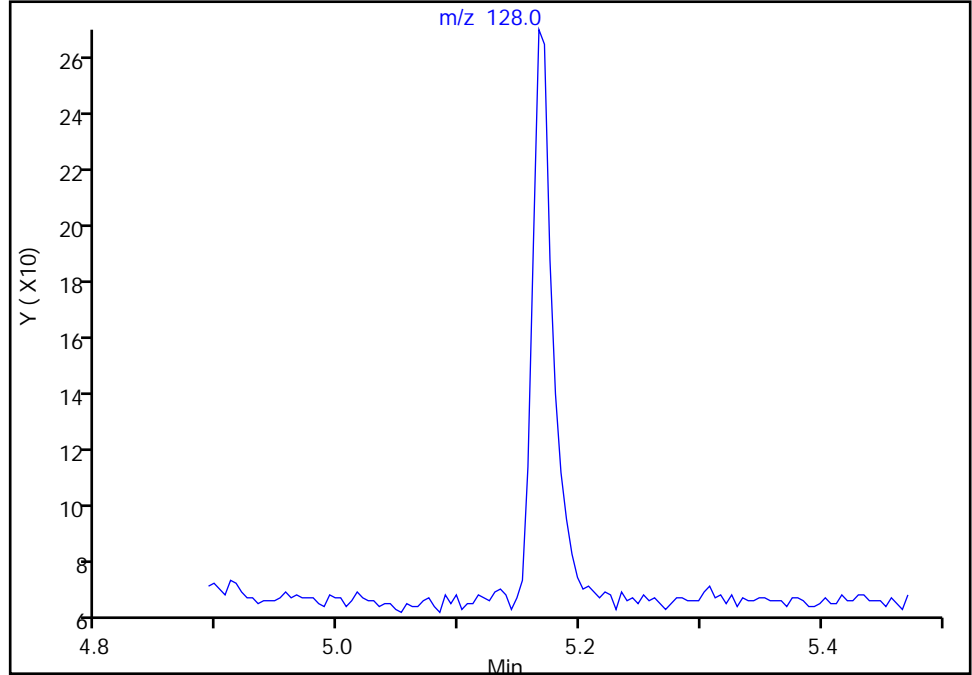
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a006.D
Injection Date: 21-Mar-2022 12:29:30 Instrument ID: TAC050
Lims ID: MB 580-384314/1-A
Client ID:
Operator ID: tl ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

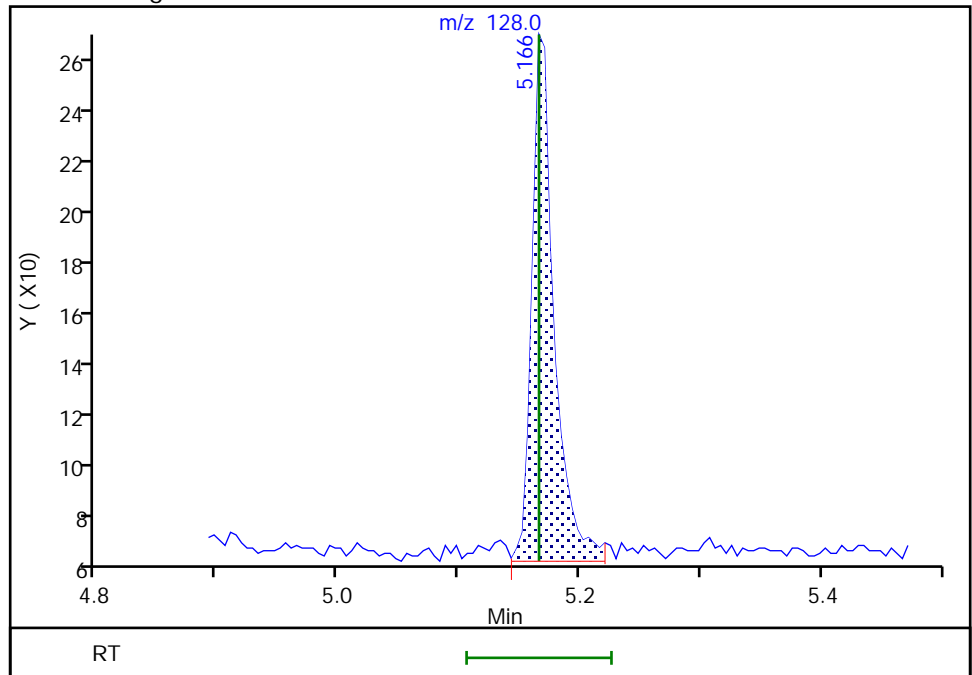
Not Detected
Expected RT: 5.17

Processing Integration Results



RT: 5.17
Area: 254
Amount: 1.621461
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 22-Mar-2022 08:57:21
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

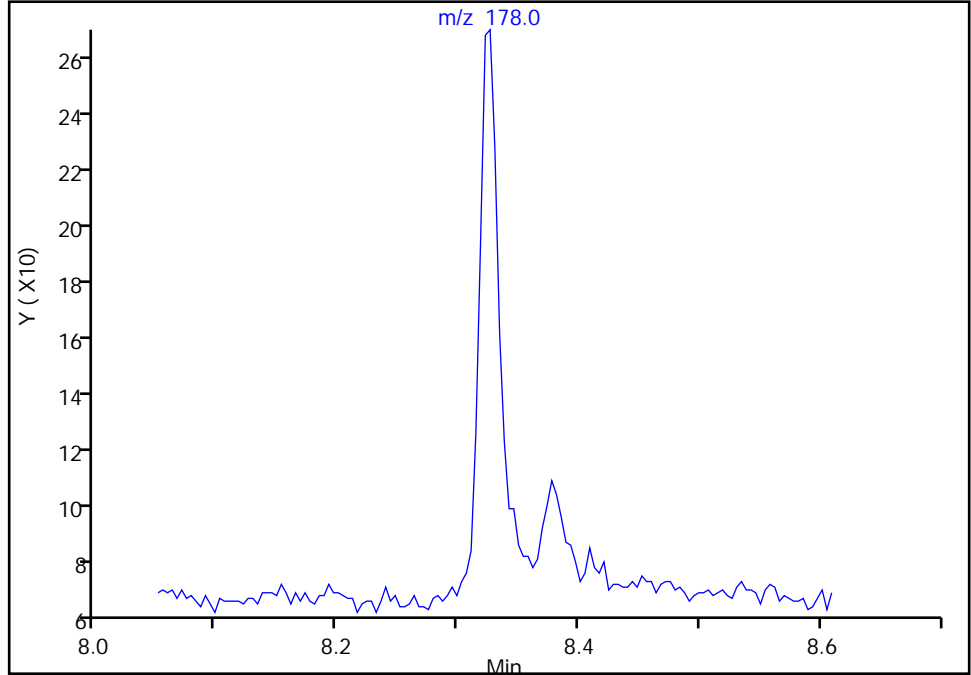
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a006.D
Injection Date: 21-Mar-2022 12:29:30 Instrument ID: TAC050
Lims ID: MB 580-384314/1-A
Client ID:
Operator ID: tl ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

18 Phenanthrene, CAS: 85-01-8

Signal: 1

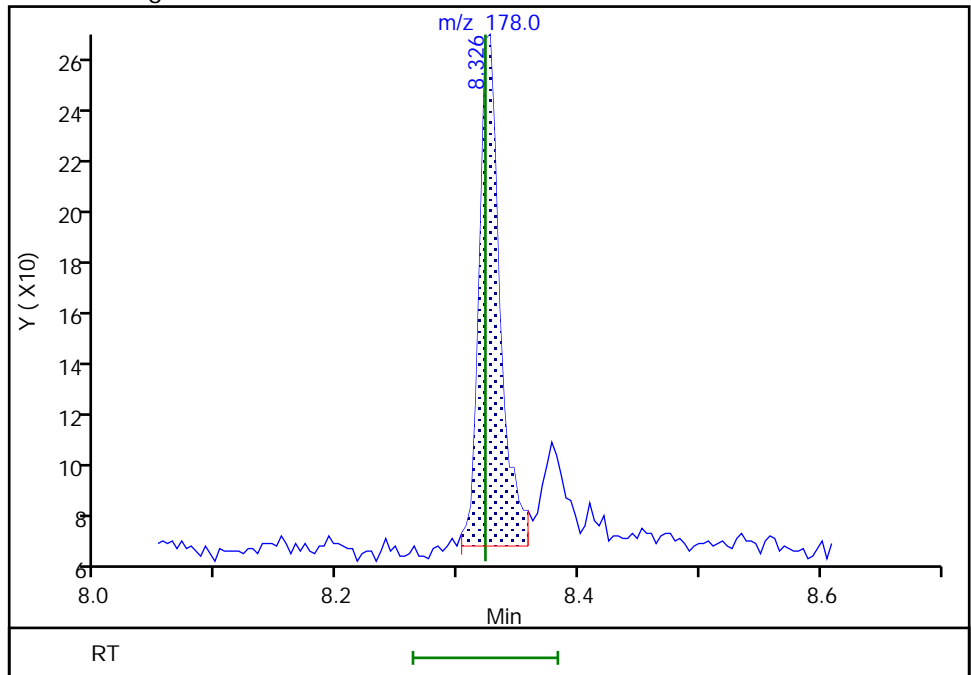
Not Detected
Expected RT: 8.32

Processing Integration Results



Manual Integration Results

RT: 8.33
Area: 241
Amount: 0.310302
Amount Units: ug/L



Reviewer: limwirojt, 22-Mar-2022 08:58:43
Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-384501/1-A
 Matrix: Water Lab File ID: 032522b009.D
 Analysis Method: 8270E SIM Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/25/2022 17:54
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 385175 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U M	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.080	U	0.20	0.080	0.039
83-32-9	Acenaphthene	0.032	U M	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U M	0.050	0.032	0.0090
120-12-7	Anthracene	0.080	U M	0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	0.032	U M	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U M	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U M	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U M	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U M	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U M	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U M	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.032	0.014
91-20-3	Naphthalene	0.080	U M	0.10	0.080	0.031
85-01-8	Phenanthrene	0.080	U M	0.10	0.080	0.031
129-00-0	Pyrene	0.080	U M	0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	66		40-140
93951-69-0	Fluoranthene-d10 (Surr)	87		40-140
1718-51-0	Terphenyl-d14	100		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b009.D
 Lims ID: MB 580-384501/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 25-Mar-2022 17:54:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: MB 580-384501/1-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 09:56:43 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 09:56:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	62869	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	82397	100.0	100.0	
* 3 Acenaphthene-d10	164	8.188	8.183	0.005	1	36869	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	61742	100.0	100.0	
* 5 Chrysene-d12	240	11.599	11.599	0.000	1	47386	100.0	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	47488	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.300	0.000	97	298047	1000.0	660.2	
\$ 8 2-Fluorobiphenyl	172	7.642	7.643	0.000	1	383108	1000.0	675.9	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	44581	1000.0	634.3	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	514099	1000.0	868.7	
\$ 11 Terphenyl-d14	244	10.721	10.716	0.005	1	422150	1000.0	997.6	
12 Naphthalene	128	6.744	6.744	0.000	1	710		0.8295	M
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	509		0.99	
14 1-Methylnaphthalene	142	7.407	7.408	-0.001	1	201		0.3994	M
15 Acenaphthylene	152	8.069	8.065	0.004	1	142		0.2195	M
16 Acenaphthene	153	8.213	8.213	0.000	1	96		0.2043	M
17 Fluorene	166	8.637	8.637	0.000	1	176		0.3748	M
18 Pentachlorophenol	266	9.248	9.242	0.006	1	735		106.7	
19 Phenanthrene	178	9.418	9.419	0.000	1	846		1.17	M
20 Anthracene	178	9.462	9.463	-0.001	1	183		0.8045	M
21 Fluoranthene	202	10.391	10.391	0.000	1	476		0.6792	M
22 Pyrene	202	10.571	10.572	-0.001	21	539		0.7313	M
24 Chrysene	228	11.620	11.621	-0.001	1	316		0.3100	M
25 Benzo[b]fluoranthene	252	12.699	12.700	-0.001	1	193		0.3422	M
26 Benzo[k]fluoranthene	252	12.732	12.732	0.000	1	140		0.4123	M
30 Benzo[g,h,i]perylene	276	14.780	14.780	0.000	3	158		0.2427	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

Mecl2_CT_00215

Amount Added: 1.00

Units: uL

Run Reagent

8270SIM_IS_00070

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b009.D

Injection Date: 25-Mar-2022 17:54:30

Instrument ID: SEA101

Lims ID: MB 580-384501/1-A

Client ID:

Operator ID: tl

ALS Bottle#: 4

Worklist Smp#: 4

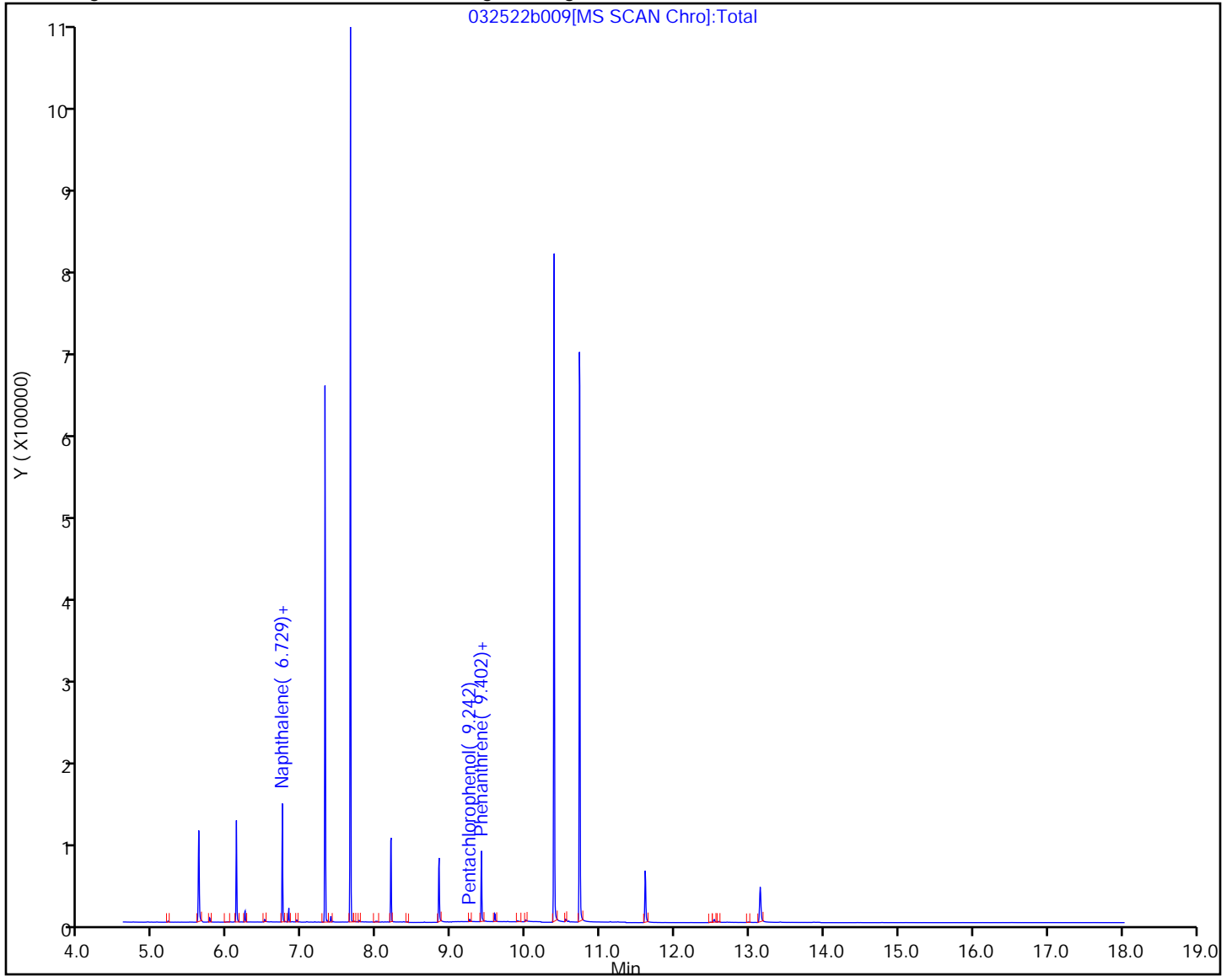
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b009.D
 Lims ID: MB 580-384501/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 25-Mar-2022 17:54:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: MB 580-384501/1-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 09:56:43 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 09:56:47

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-methylnaphthalene-d10	1000.0	660.2	66.02
\$ 8 2-Fluorobiphenyl	1000.0	675.9	67.59
\$ 9 2,4,6-Tribromophenol	1000.0	634.3	63.43
\$ 10 Fluoranthene-d10 (Surr)	1000.0	868.7	86.87
\$ 11 Terphenyl-d14	1000.0	997.6	99.76

Eurofins Seattle

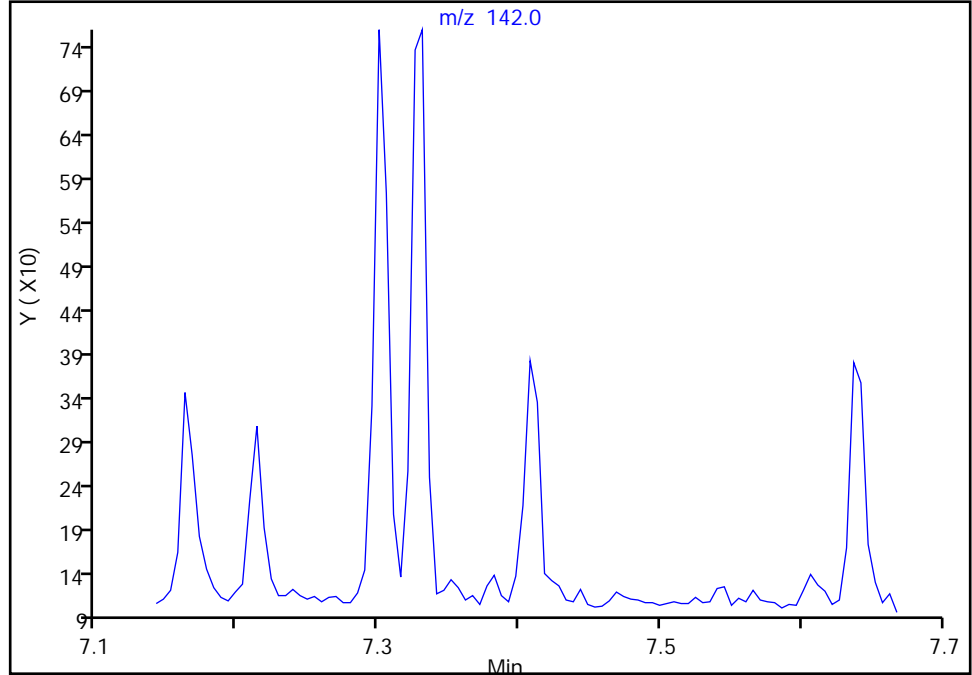
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b009.D
Injection Date: 25-Mar-2022 17:54:30 Instrument ID: SEA101
Lims ID: MB 580-384501/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

14 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

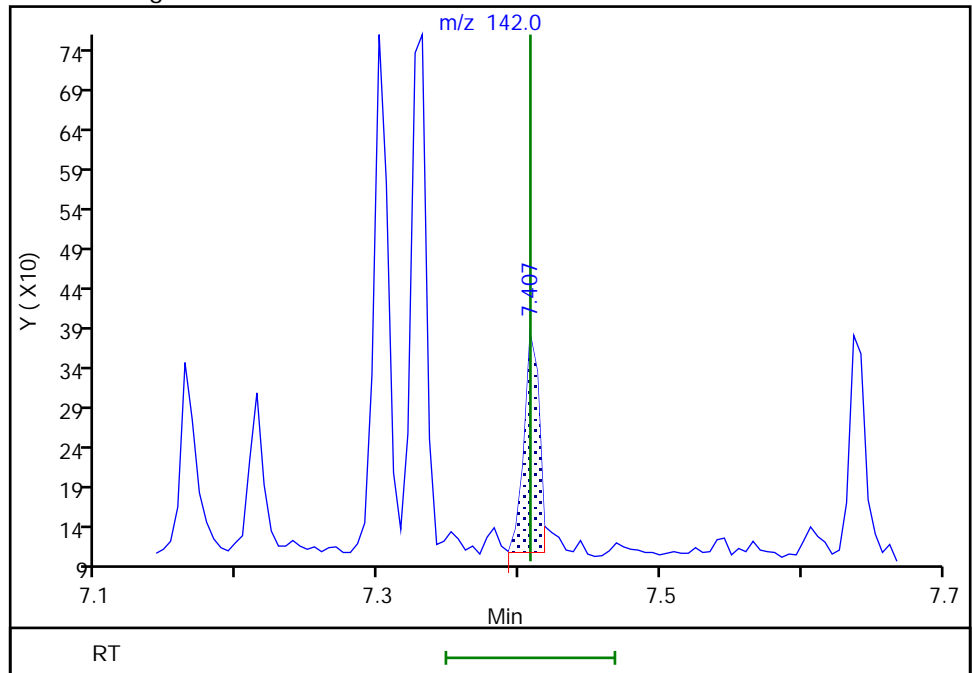
Not Detected
Expected RT: 7.41

Processing Integration Results



Manual Integration Results

RT: 7.41
Area: 201
Amount: 0.399368
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:24:13
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

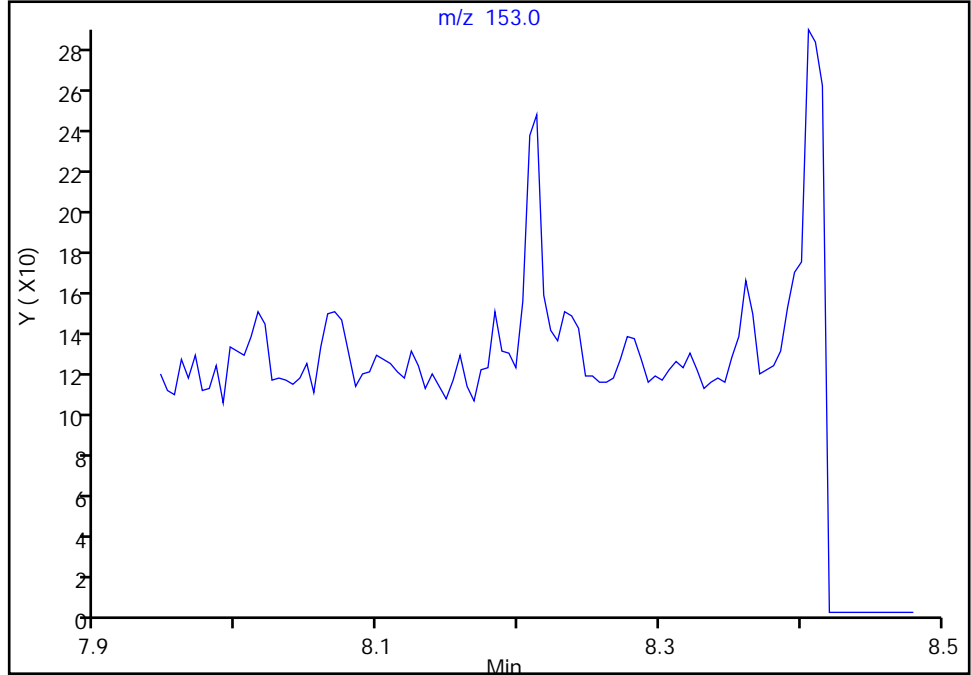
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b009.D
Injection Date: 25-Mar-2022 17:54:30 Instrument ID: SEA101
Lims ID: MB 580-384501/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Acenaphthene, CAS: 83-32-9

Signal: 1

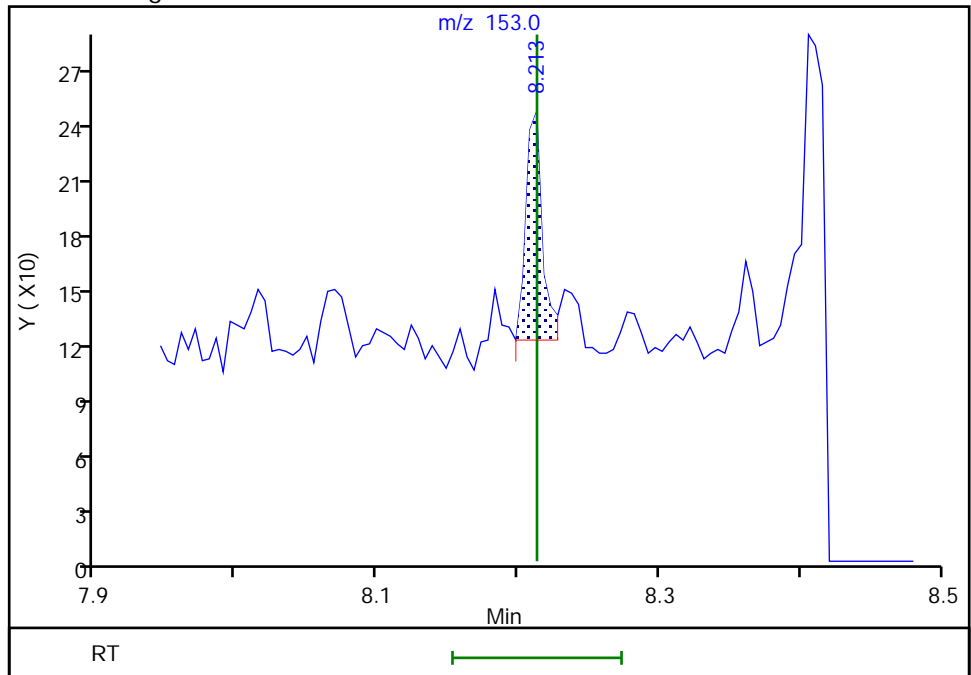
Not Detected
Expected RT: 8.21

Processing Integration Results



Manual Integration Results

RT: 8.21
Area: 96
Amount: 0.204323
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:24:24
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

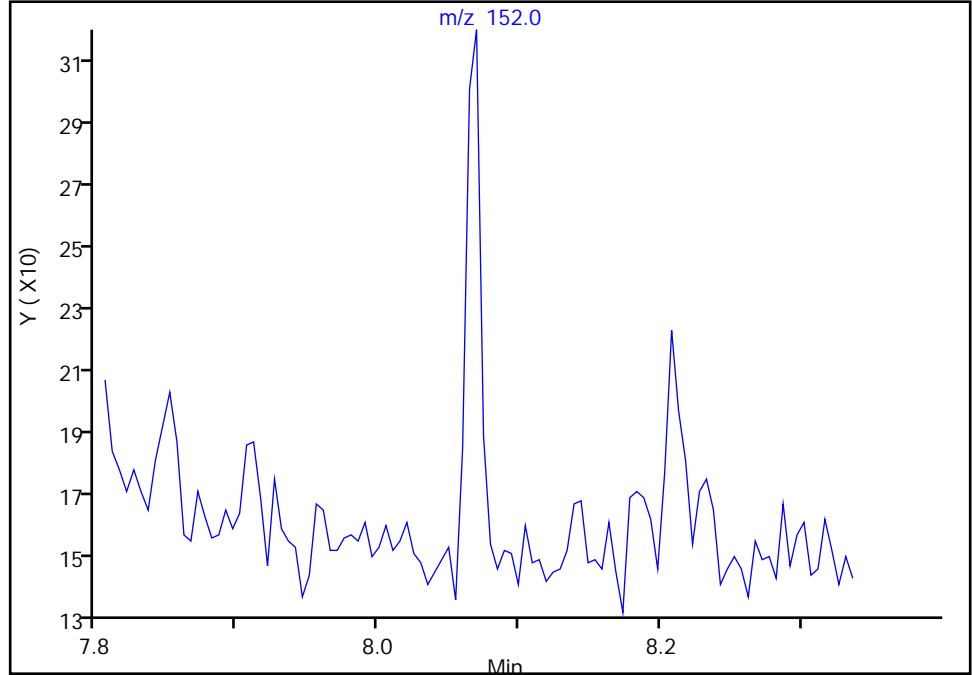
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Injection Date: 25-Mar-2022 17:54:30 Instrument ID: SEA101
Lims ID: MB 580-384501/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

15 Acenaphthylene, CAS: 208-96-8

Signal: 1

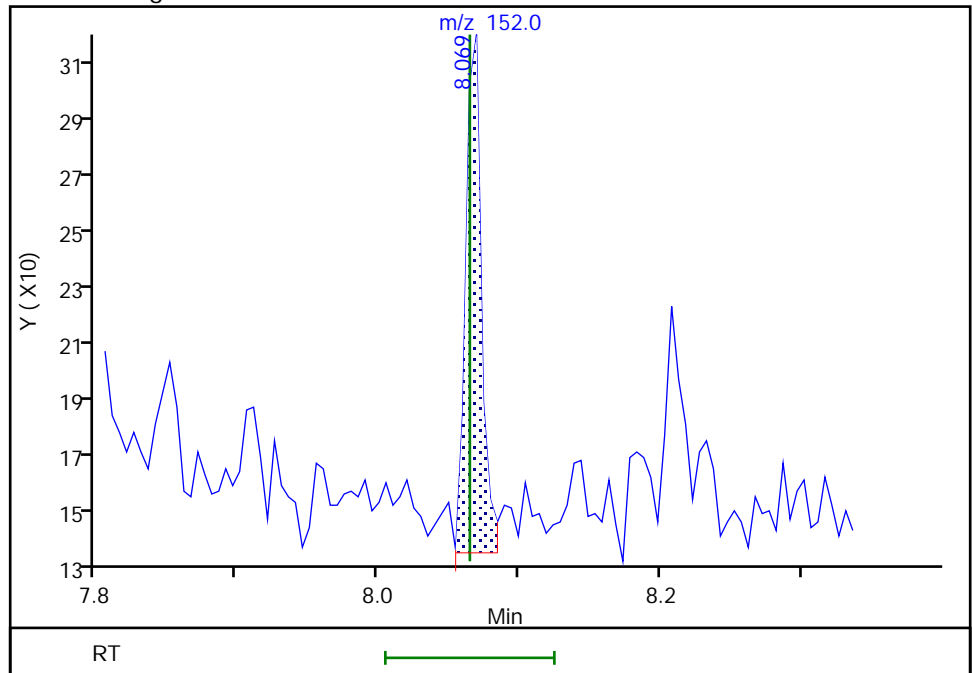
Not Detected
Expected RT: 8.06

Processing Integration Results



Manual Integration Results

RT: 8.07
Area: 142
Amount: 0.219538
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:24:19
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

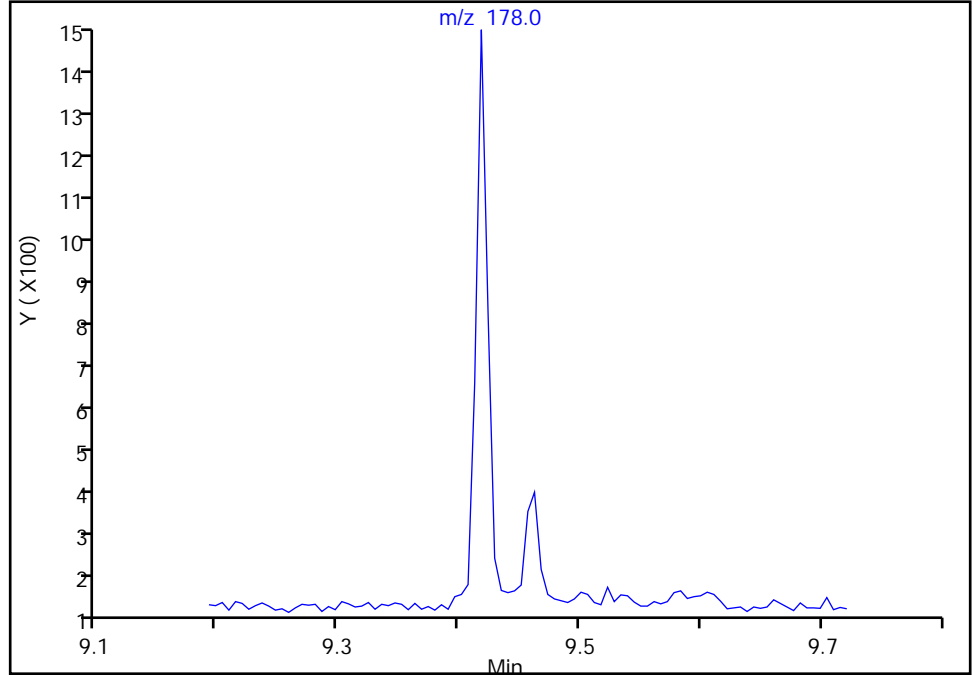
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b009.D
Injection Date: 25-Mar-2022 17:54:30 Instrument ID: SEA101
Lims ID: MB 580-384501/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Anthracene, CAS: 120-12-7

Signal: 1

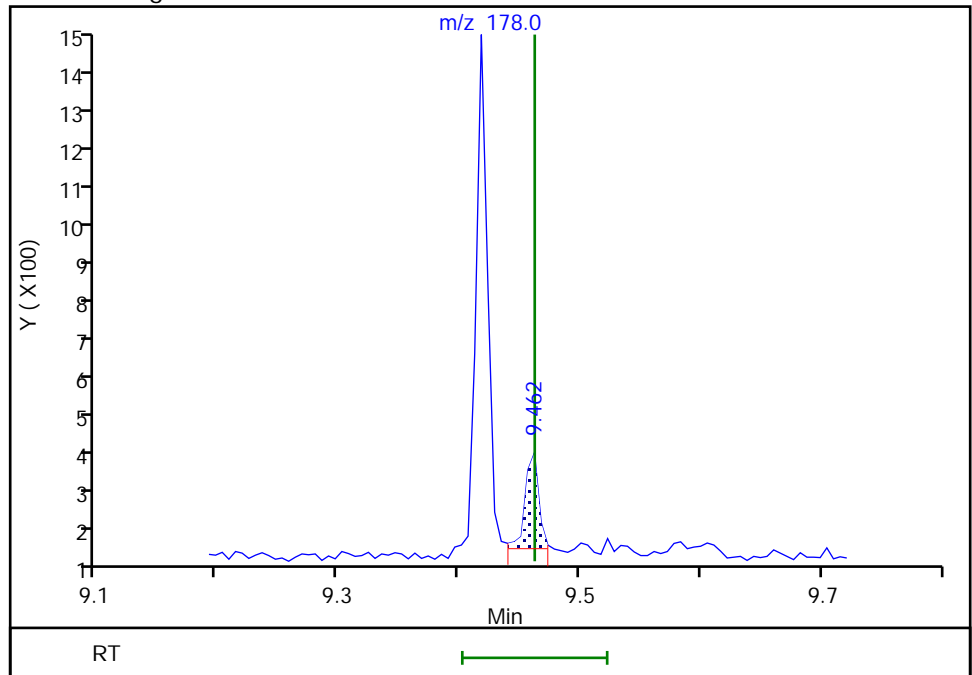
Not Detected
Expected RT: 9.46

Processing Integration Results



Manual Integration Results

RT: 9.46
Area: 183
Amount: 0.804521
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:24:46
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

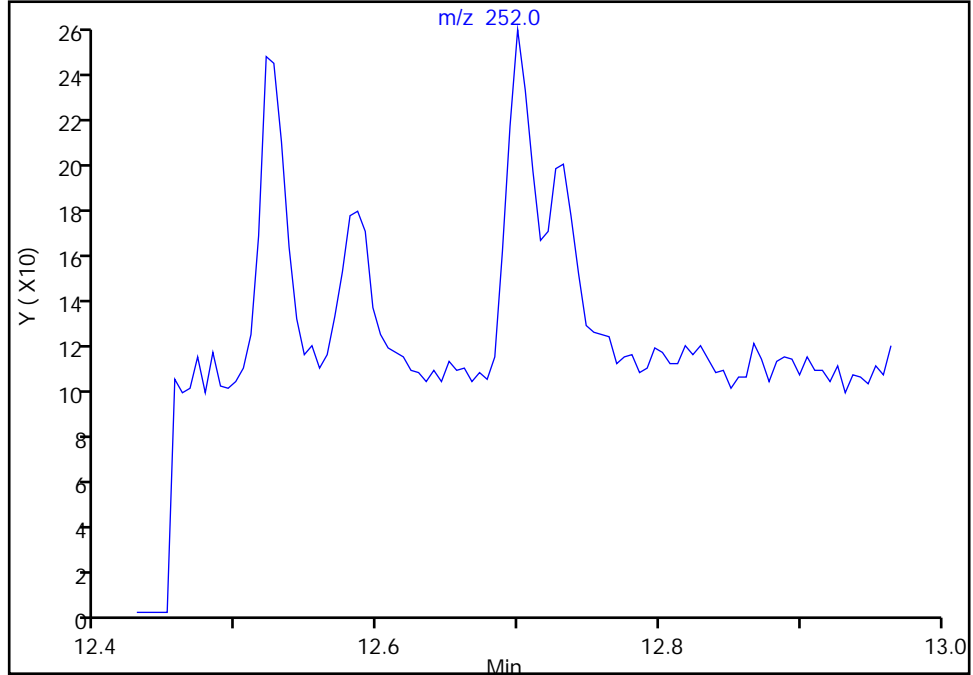
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b009.D
Injection Date: 25-Mar-2022 17:54:30 Instrument ID: SEA101
Lims ID: MB 580-384501/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

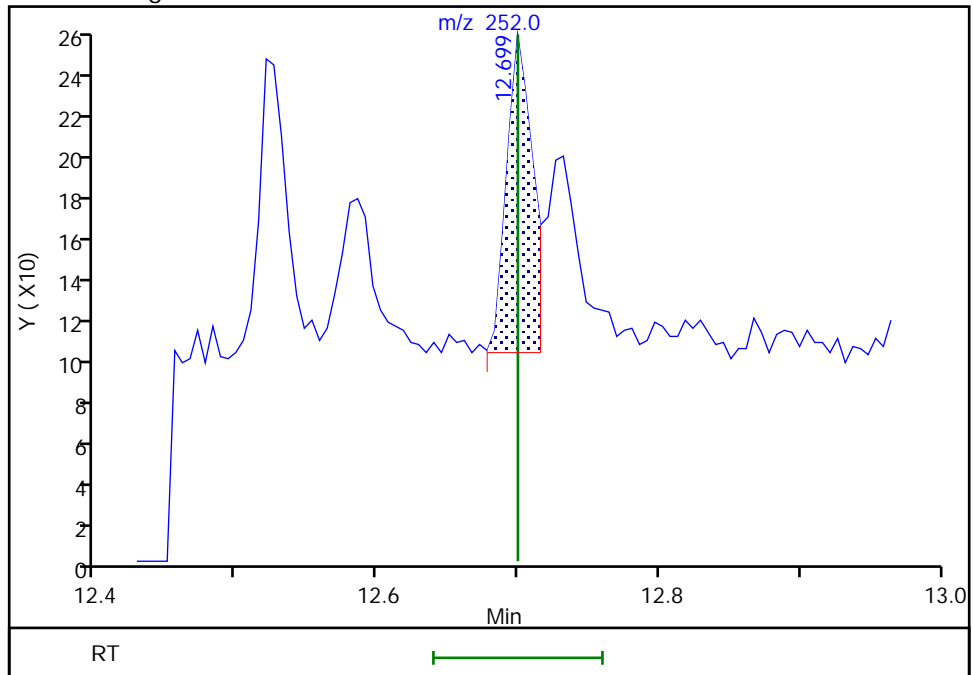
Not Detected
Expected RT: 12.70

Processing Integration Results



Manual Integration Results

RT: 12.70
Area: 193
Amount: 0.342167
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:25:30
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

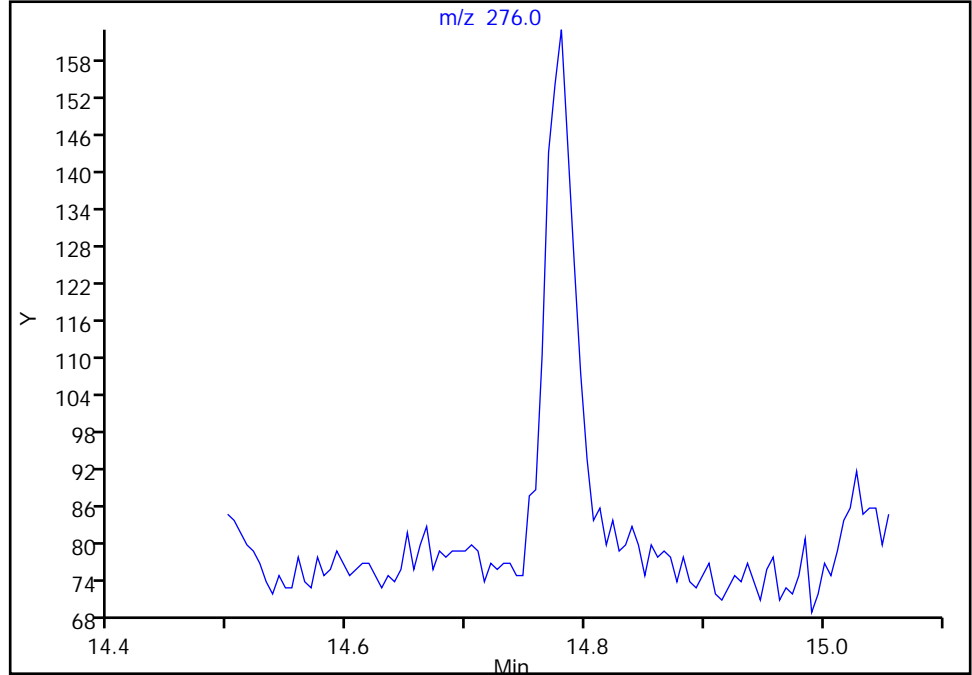
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b009.D
Injection Date: 25-Mar-2022 17:54:30 Instrument ID: SEA101
Lims ID: MB 580-384501/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

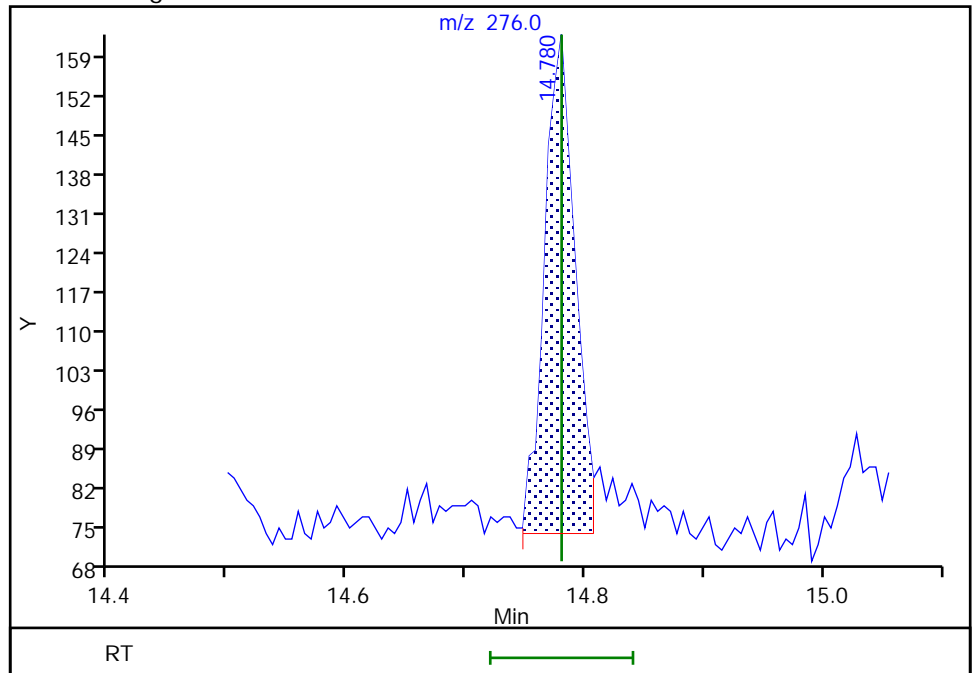
Not Detected
Expected RT: 14.78

Processing Integration Results



Manual Integration Results

RT: 14.78
Area: 158
Amount: 0.242679
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:25:52
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

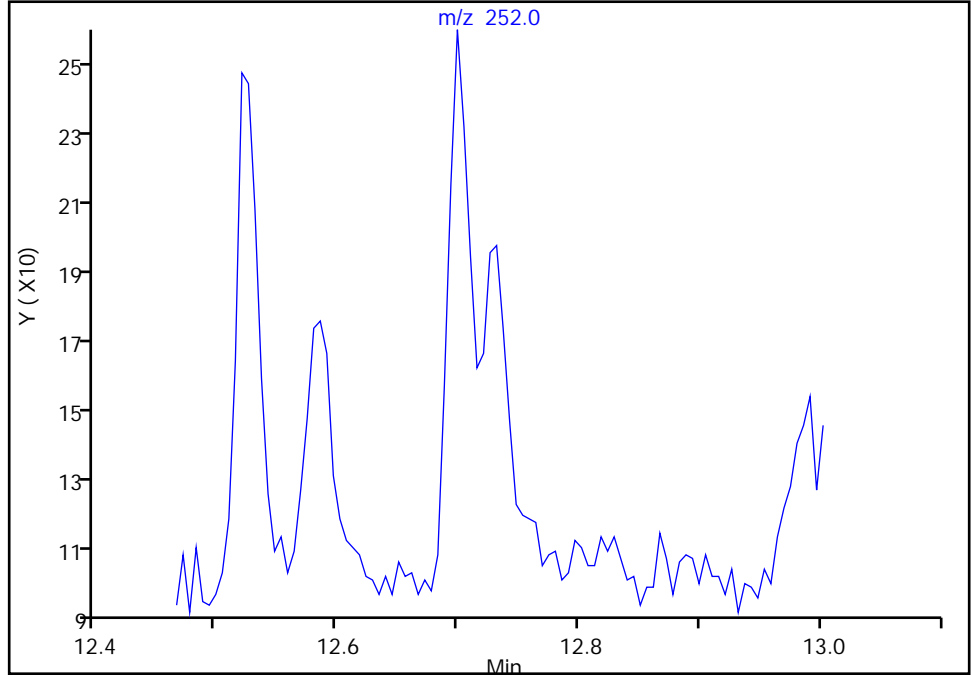
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b009.D
Injection Date: 25-Mar-2022 17:54:30 Instrument ID: SEA101
Lims ID: MB 580-384501/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

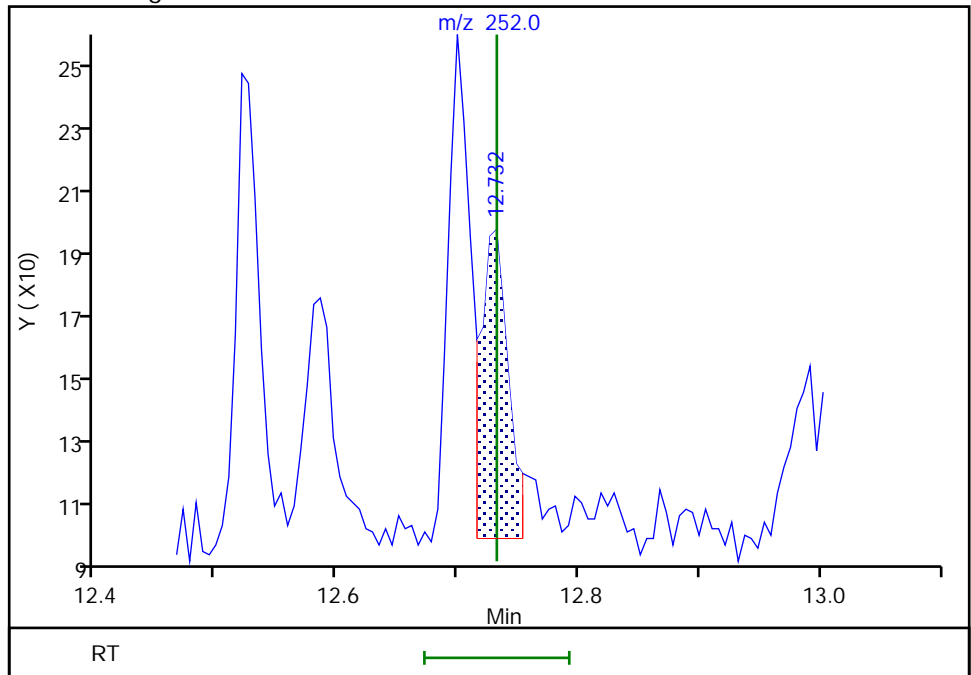
Not Detected
Expected RT: 12.73

Processing Integration Results



Manual Integration Results

RT: 12.73
Area: 140
Amount: 0.412314
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:25:43
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

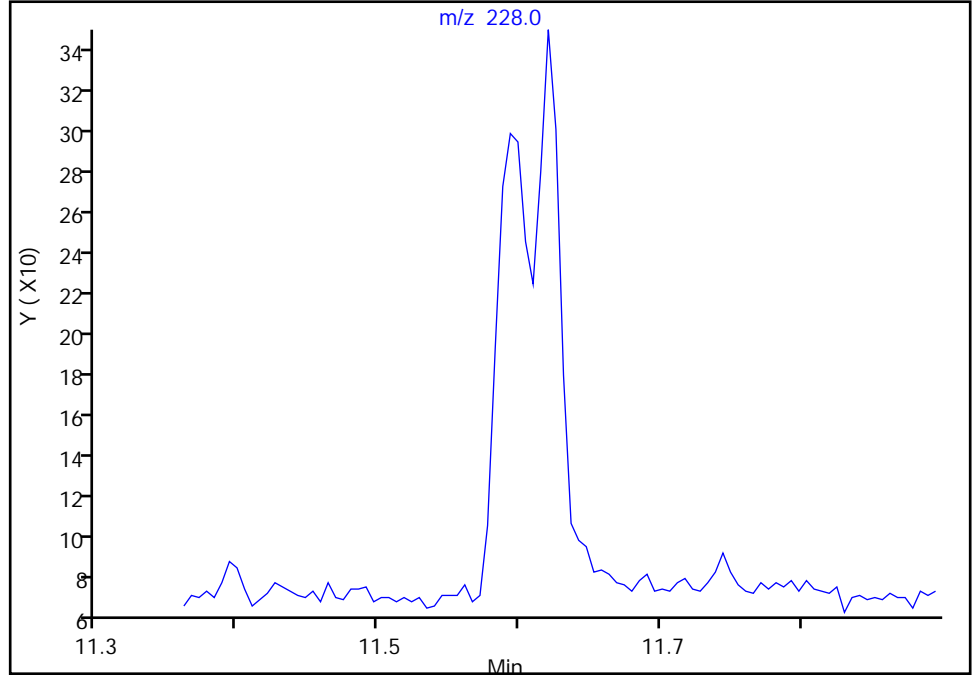
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b009.D
Injection Date: 25-Mar-2022 17:54:30 Instrument ID: SEA101
Lims ID: MB 580-384501/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Chrysene, CAS: 218-01-9

Signal: 1

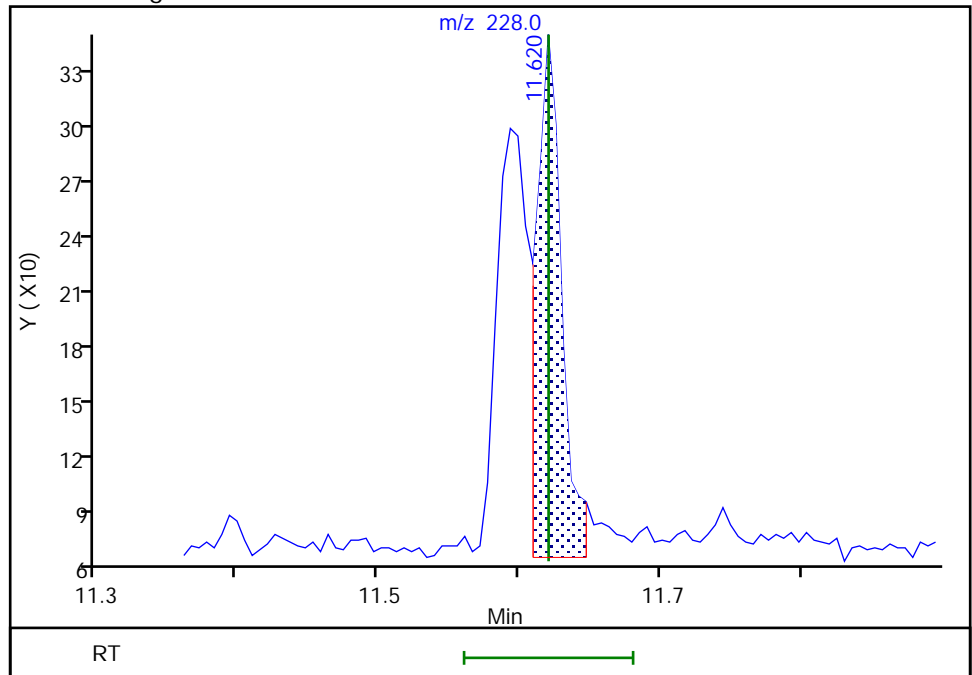
Not Detected
Expected RT: 11.62

Processing Integration Results



Manual Integration Results

RT: 11.62
Area: 316
Amount: 0.309967
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:25:20
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

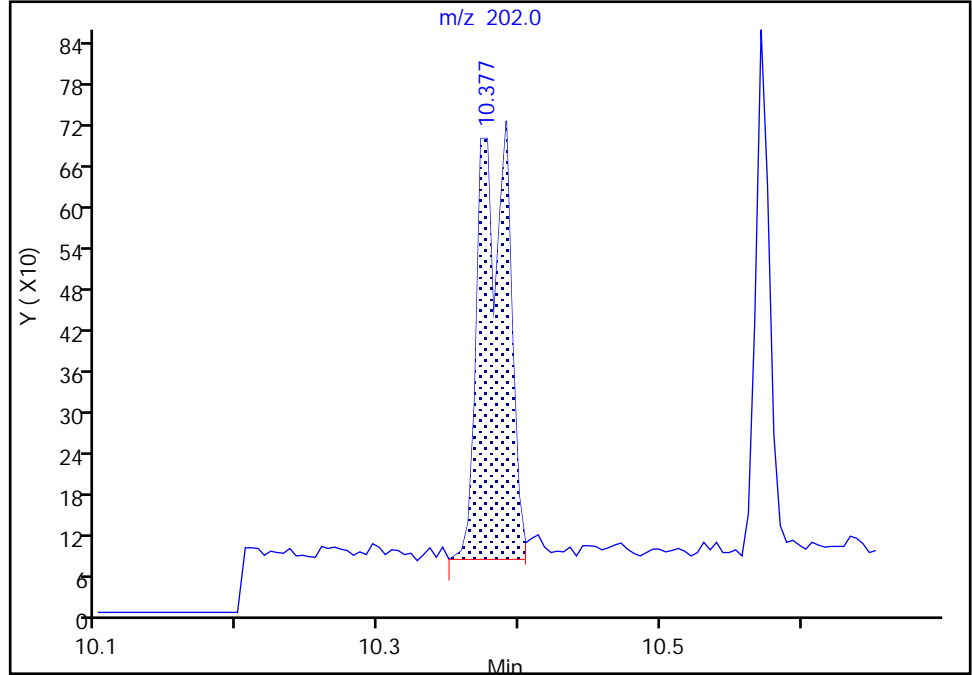
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b009.D
Injection Date: 25-Mar-2022 17:54:30 Instrument ID: SEA101
Lims ID: MB 580-384501/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Fluoranthene, CAS: 206-44-0

Signal: 1

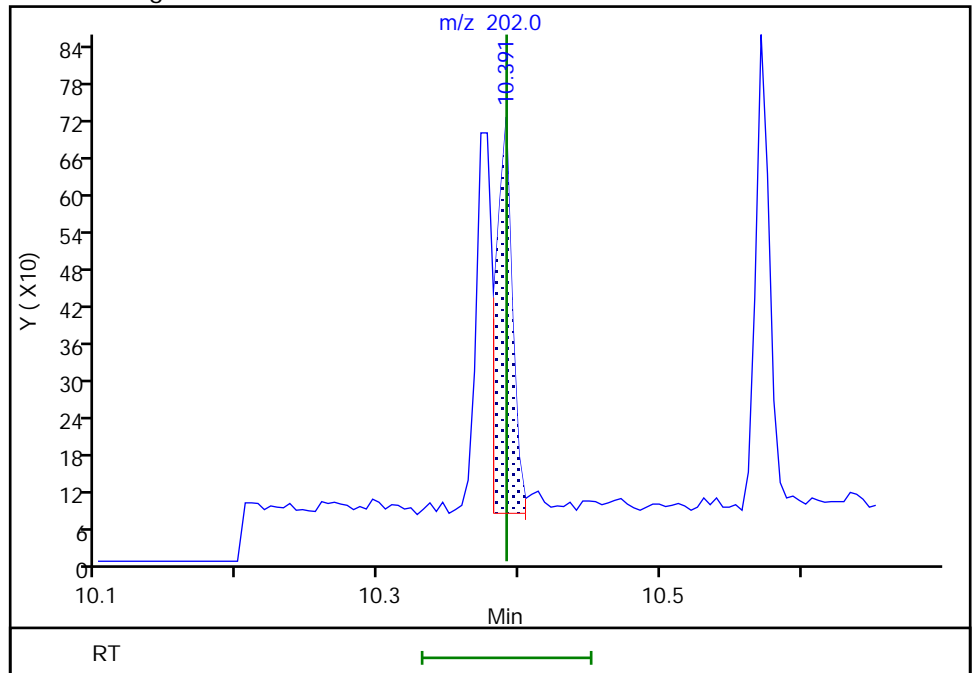
RT: 10.38
Area: 941
Amount: 1.342671
Amount Units: ug/L

Processing Integration Results



RT: 10.39
Area: 476
Amount: 0.679183
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 09:24:55
Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Seattle

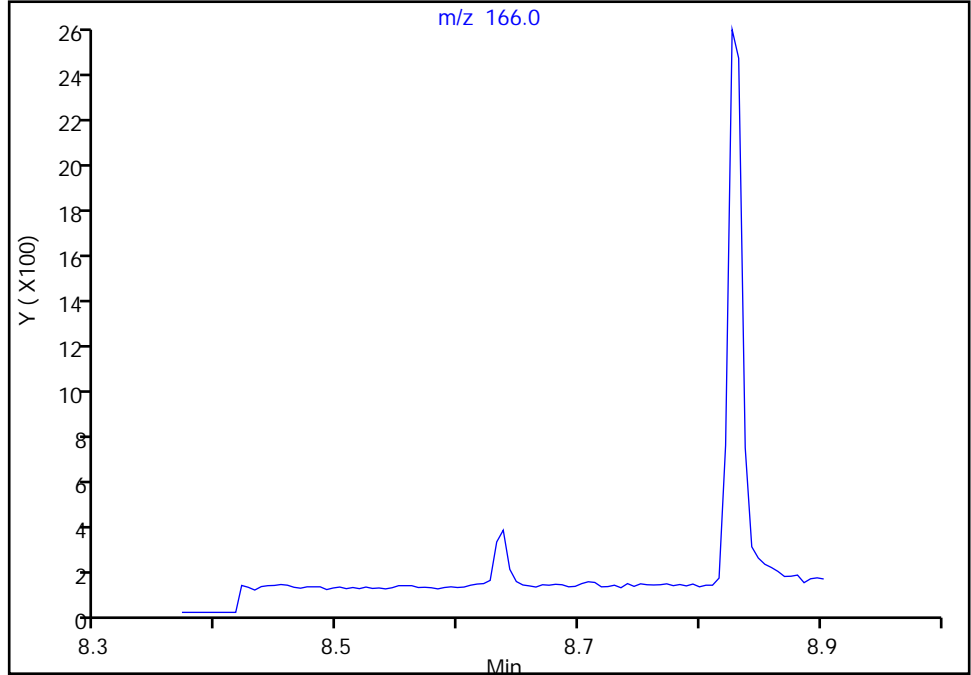
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b009.D
Injection Date: 25-Mar-2022 17:54:30 Instrument ID: SEA101
Lims ID: MB 580-384501/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

17 Fluorene, CAS: 86-73-7

Signal: 1

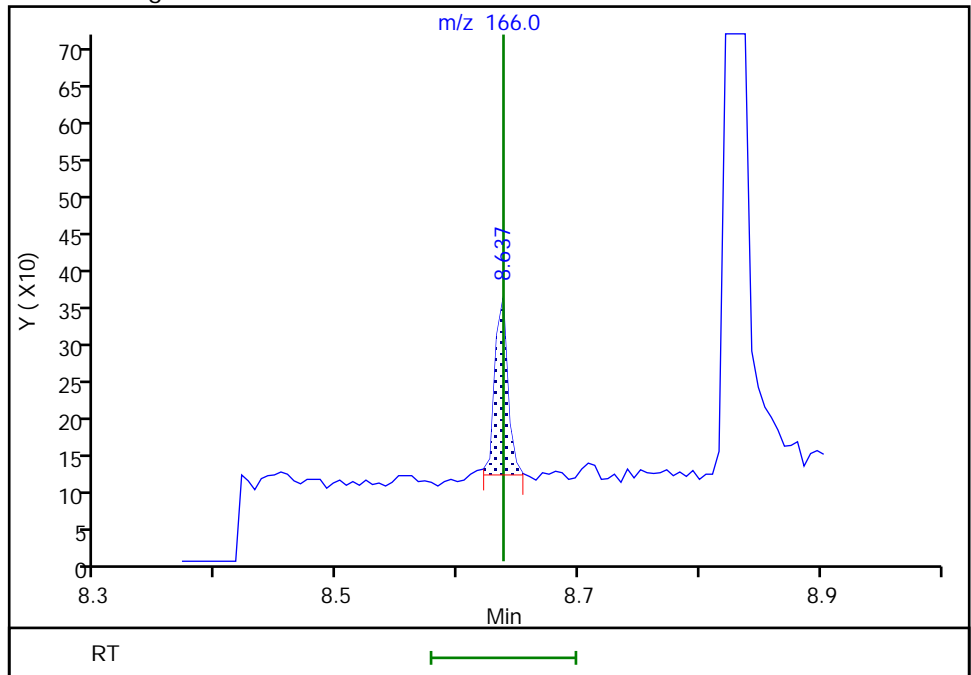
Not Detected
Expected RT: 8.64

Processing Integration Results



Manual Integration Results

RT: 8.64
Area: 176
Amount: 0.374754
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:24:29
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

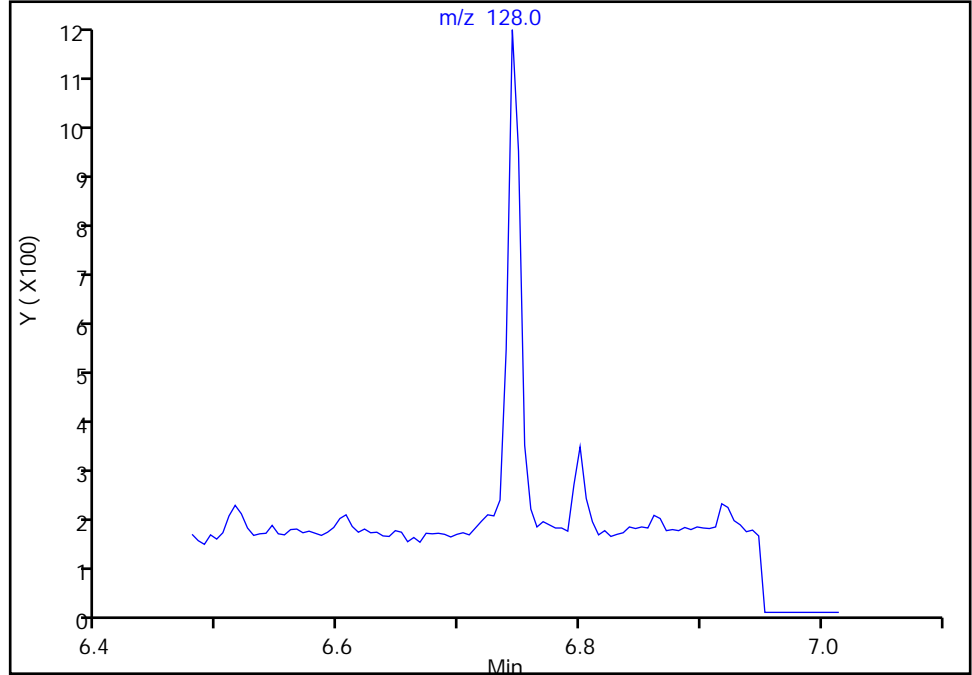
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b009.D
Injection Date: 25-Mar-2022 17:54:30 Instrument ID: SEA101
Lims ID: MB 580-384501/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

12 Naphthalene, CAS: 91-20-3

Signal: 1

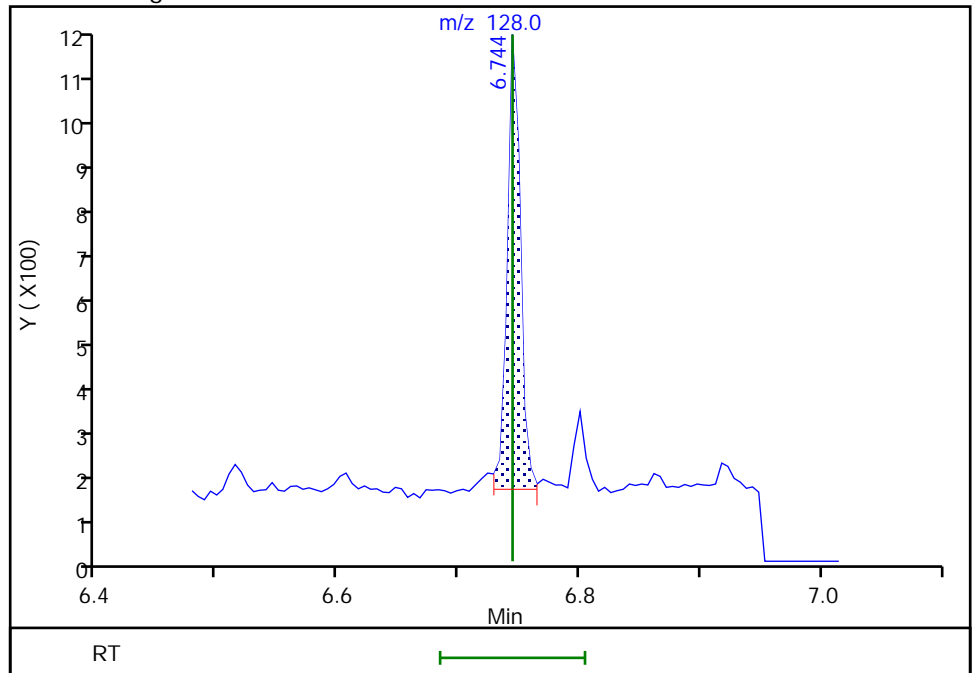
Not Detected
Expected RT: 6.74

Processing Integration Results



Manual Integration Results

RT: 6.74
Area: 710
Amount: 0.829471
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:24:02
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

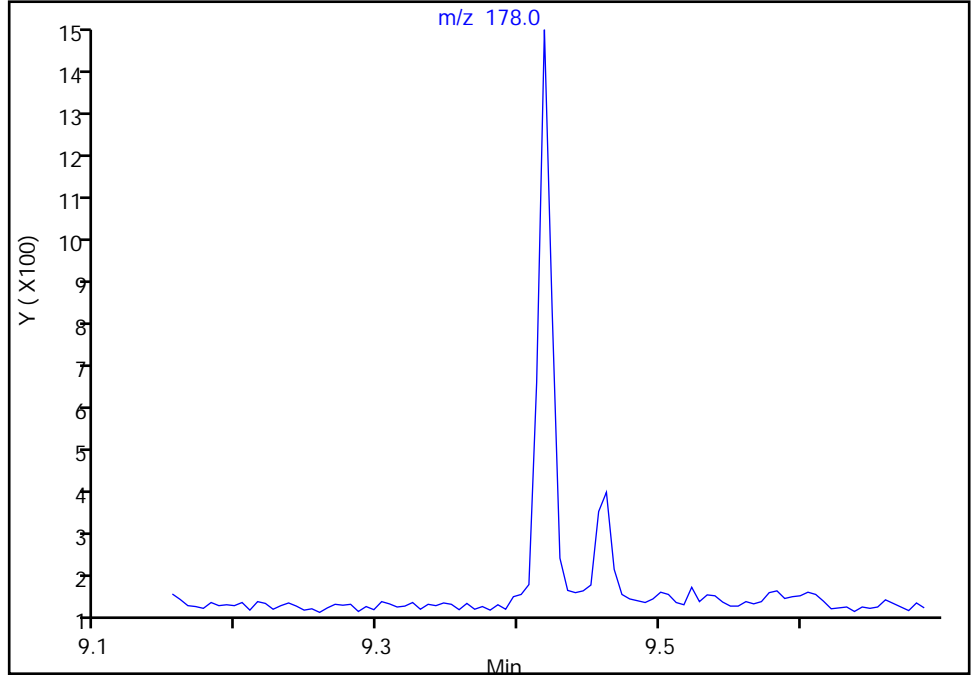
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b009.D
Injection Date: 25-Mar-2022 17:54:30 Instrument ID: SEA101
Lims ID: MB 580-384501/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Phenanthrene, CAS: 85-01-8

Signal: 1

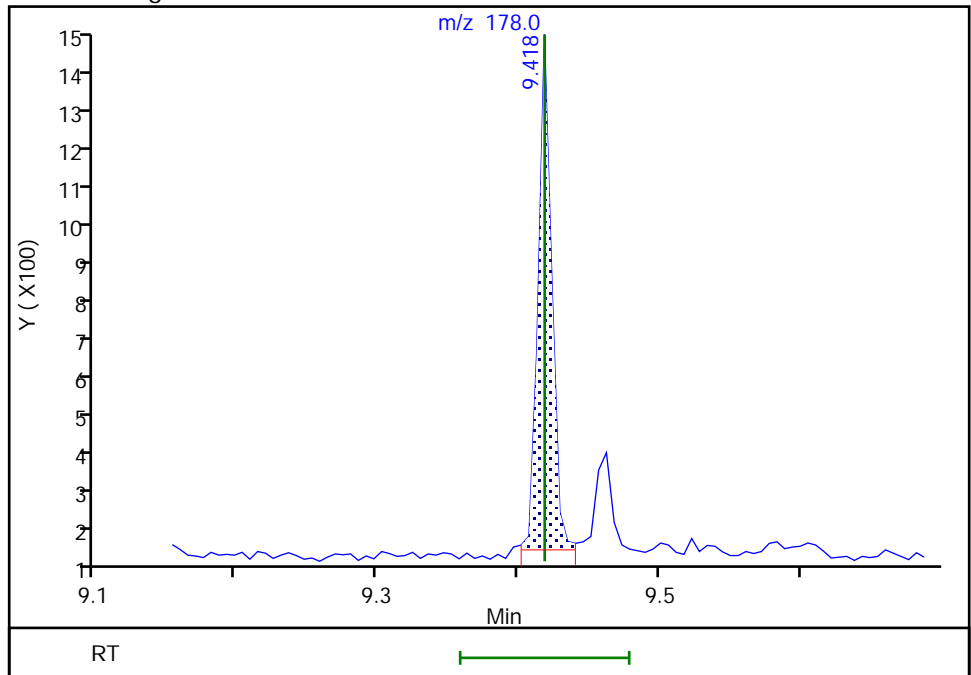
Not Detected
Expected RT: 9.42

Processing Integration Results



Manual Integration Results

RT: 9.42
Area: 846
Amount: 1.169266
Amount Units: ug/L



Reviewer: limwirojt, 28-Mar-2022 09:24:38
Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Seattle

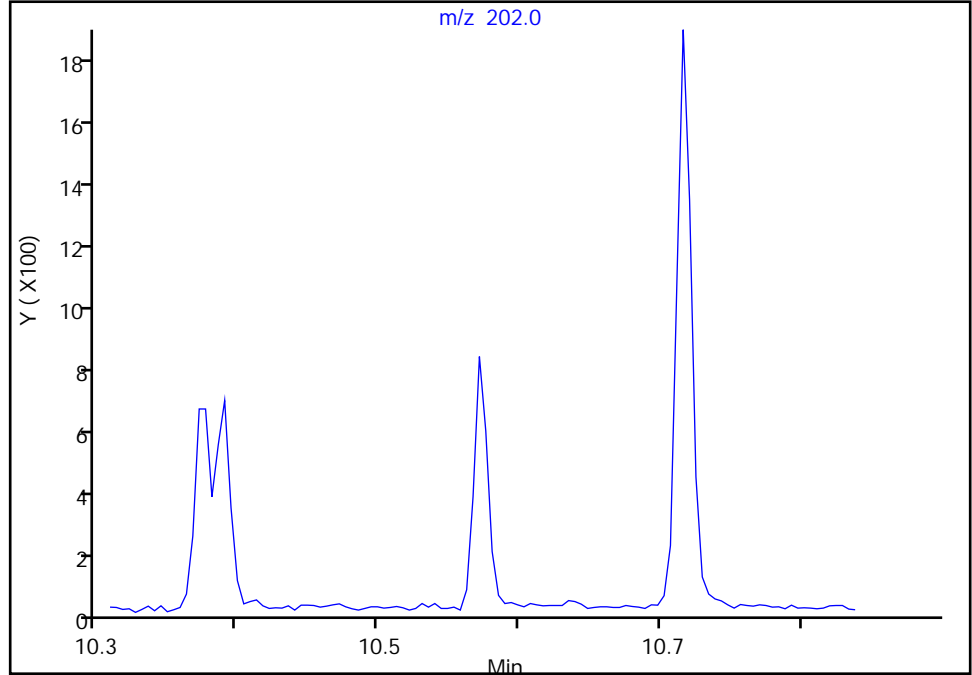
Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b009.D
Injection Date: 25-Mar-2022 17:54:30 Instrument ID: SEA101
Lims ID: MB 580-384501/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_SIM_SEA101 Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Pyrene, CAS: 129-00-0

Signal: 1

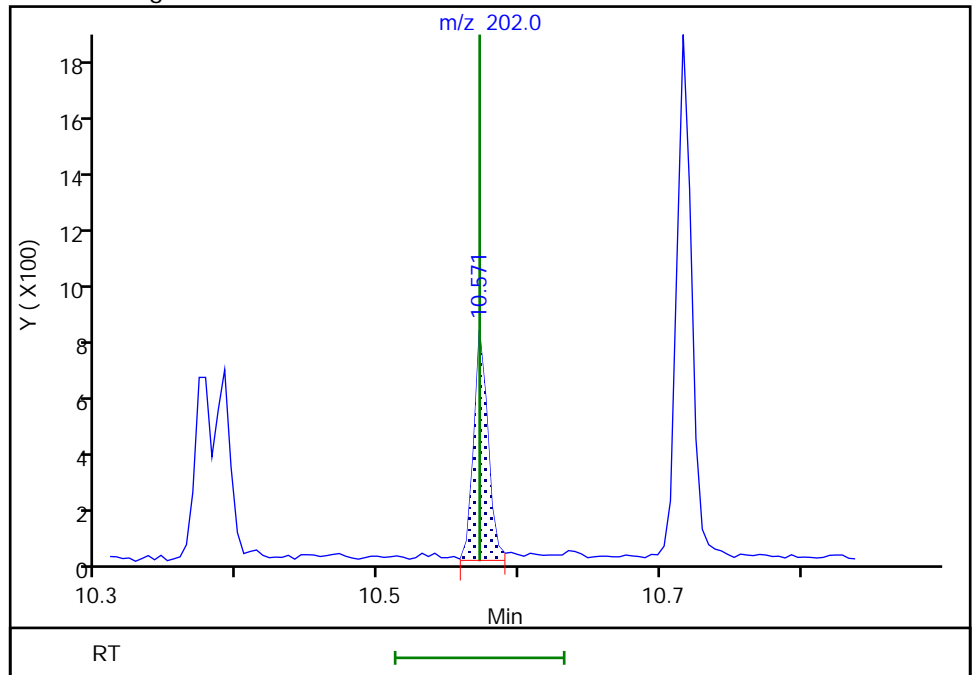
Not Detected
Expected RT: 10.57

Processing Integration Results



RT: 10.57
Area: 539
Amount: 0.731274
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 28-Mar-2022 09:25:07
Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-384314/2-A
 Matrix: Water Lab File ID: SIM032122a009.D
 Analysis Method: 8270E SIM Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/18/2022 10:55
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/21/2022 13:27
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384521 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	1.32		0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	1.25		0.20	0.080	0.039
83-32-9	Acenaphthene	1.50		0.10	0.032	0.014
208-96-8	Acenaphthylene	1.42		0.050	0.032	0.0090
120-12-7	Anthracene	1.61		0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	1.71		0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	1.59		0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	1.72		0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	1.84		0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	1.78		0.050	0.032	0.012
218-01-9	Chrysene	1.67		0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	1.83	M	0.10	0.032	0.026
206-44-0	Fluoranthene	1.83		0.20	0.032	0.018
86-73-7	Fluorene	1.65		0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	1.83	M	0.050	0.032	0.014
91-20-3	Naphthalene	1.32		0.10	0.080	0.031
85-01-8	Phenanthrene	1.61		0.10	0.080	0.031
129-00-0	Pyrene	1.80		0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	72		40-140
93951-69-0	Fluoranthene-d10 (Surr)	92		40-140
1718-51-0	Terphenyl-d14	101		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a009.D
 Lims ID: LCS 580-384314/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 21-Mar-2022 13:27:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 580-384314/2-A
 Operator ID: tl Instrument ID: TAC050
 Method: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 22-Mar-2022 09:04:34 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1663

First Level Reviewer: limwirojt

Date: 22-Mar-2022 09:04:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.148	5.148	0.000	90	16030	100.0	100.0	
* 2 Acenaphthene-d10	164	6.832	6.832	0.000	68	8224	100.0	100.0	
* 3 Phenanthrene-d10	188	8.299	8.299	0.000	56	14707	100.0	100.0	
* 4 Chrysene-d12	240	11.007	11.007	0.000	77	12933	100.0	100.0	
* 5 Perylene-d12	264	13.051	13.056	-0.005	69	14909	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	68316	1000.0	720.4	
\$ 10 2-Fluorobiphenyl	172	6.170	6.170	0.000	0	92845	1000.0	705.5	Ma
\$ 7 2,4,6-Tribromophenol	330	7.609	7.614	-0.005	57	23495	1000.0	1035.1	
\$ 8 Fluoranthene-d10 (Surr)	212	9.483	9.487	-0.005	68	139943	1000.0	921.0	
\$ 9 Terphenyl-d14	244	9.876	9.876	0.000	93	119143	1000.0	1010.8	
11 Naphthalene	128	5.166	5.166	0.000	100	111689	1000.0	658.8	
12 2-Methylnaphthalene	141	5.818	5.818	0.000	96	60248	1000.0	626.6	
13 1-Methylnaphthalene	141	5.914	5.914	0.000	98	61371	1000.0	659.0	
14 Acenaphthylene	152	6.695	6.695	0.000	100	123751	1000.0	711.8	
15 Acenaphthene	153	6.862	6.862	0.000	96	81585	1000.0	747.7	
16 Fluorene	166	7.371	7.371	0.000	94	100118	1000.0	823.1	
17 Pentachlorophenol	266	8.114	8.114	0.000	98	24165	2000.0	1447.3	
18 Phenanthrene	178	8.318	8.323	-0.004	100	148793	1000.0	804.4	
19 Anthracene	178	8.370	8.374	-0.004	100	150611	1000.0	806.0	
20 Fluoranthene	202	9.502	9.502	0.000	52	166943	1000.0	913.7	
21 Pyrene	202	9.731	9.731	0.000	51	173363	1000.0	900.6	
22 Benzo[a]anthracene	228	10.989	10.994	-0.005	95	158634	1000.0	853.1	
23 Chrysene	228	11.035	11.039	-0.004	99	162024	1000.0	834.9	
30 Bis(2-ethylhexyl) phthalate	149	11.854	11.858	-0.004	0	160837	1000.0	697.9	M
24 Benzo[b]fluoranthene	252	12.443	12.447	-0.004	96	166848	1000.0	857.6	
25 Benzo[k]fluoranthene	252	12.488	12.489	-0.001	93	193963	1000.0	889.7	
26 Benzo[a]pyrene	252	12.955	12.960	-0.005	95	154626	1000.0	796.5	
27 Indeno[1,2,3-cd]pyrene	276	14.908	14.913	-0.005	93	150202	1000.0	913.9	M
28 Dibenz(a,h)anthracene	278	14.951	14.962	-0.011	94	171568	1000.0	915.2	a
29 Benzo[g,h,i]perylene	276	15.401	15.407	-0.006	92	187351	1000.0	922.1	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a009.D

Injection Date: 21-Mar-2022 13:27:30

Instrument ID: TAC050

Lims ID: LCS 580-384314/2-A

Client ID:

Operator ID: tl

ALS Bottle#: 8

Worklist Smp#: 8

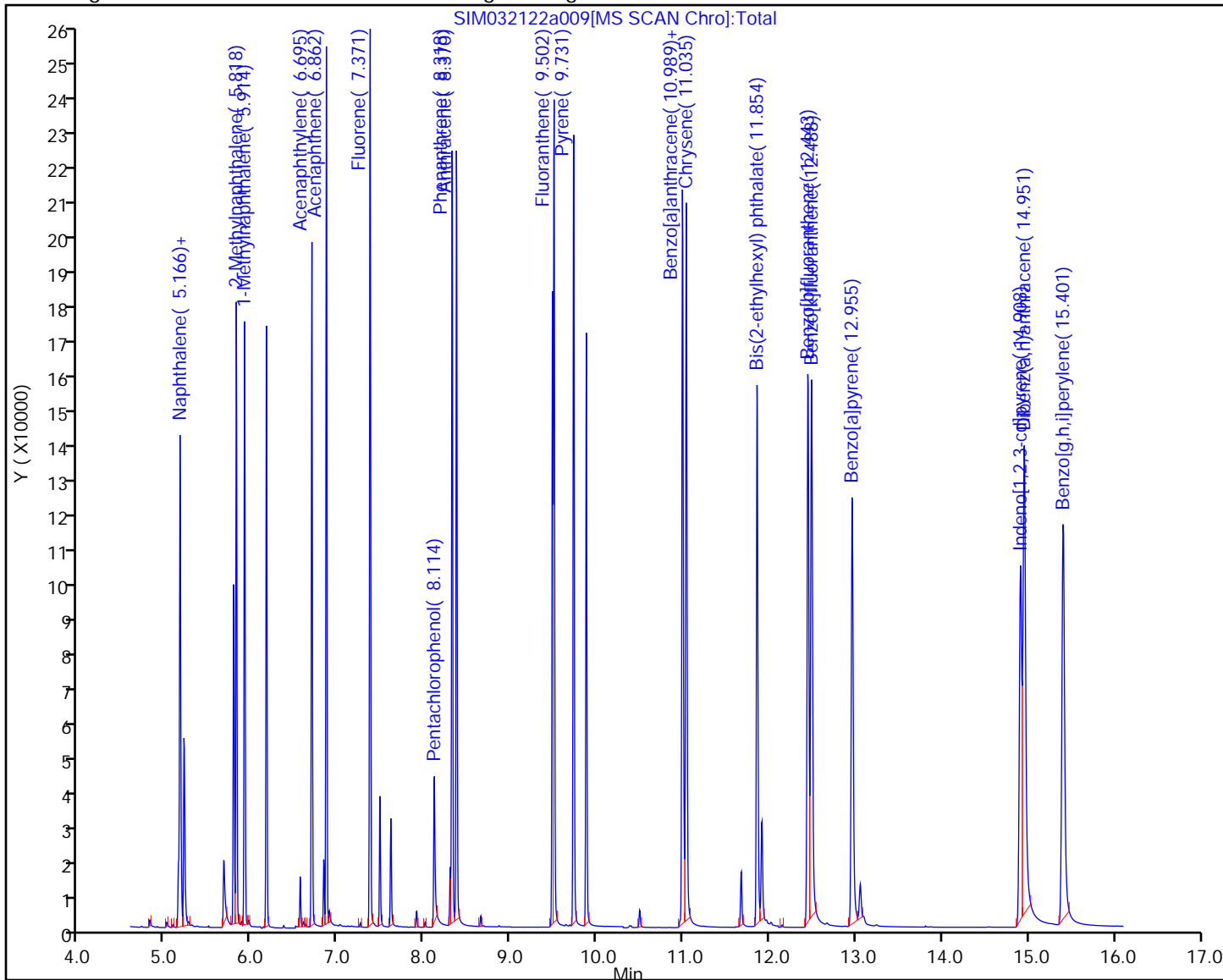
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a009.D
 Lims ID: LCS 580-384314/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 21-Mar-2022 13:27:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 580-384314/2-A
 Operator ID: tl Instrument ID: TAC050
 Method: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 22-Mar-2022 09:04:34 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1663

First Level Reviewer: limwirojt

Date: 22-Mar-2022 09:04:34

Compound	Amount Added	Amount Recovered	% Rec.
\$ 6 2-methylnaphthalene-d10	1000.0	720.4	72.04
\$ 10 2-Fluorobiphenyl	1000.0	705.5	70.55
\$ 7 2,4,6-Tribromophenol	1000.0	1035.1	103.51
\$ 8 Fluoranthene-d10 (Surr)	1000.0	921.0	92.10
\$ 9 Terphenyl-d14	1000.0	1010.8	101.08

Eurofins Seattle

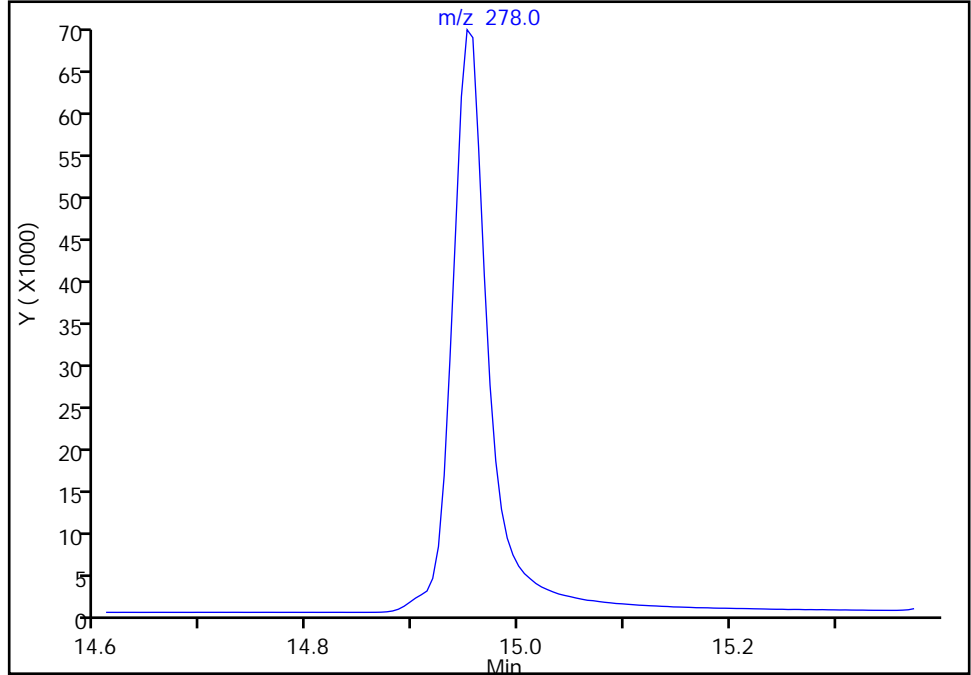
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a009.D
Injection Date: 21-Mar-2022 13:27:30 Instrument ID: TAC050
Lims ID: LCS 580-384314/2-A
Client ID:
Operator ID: tl ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

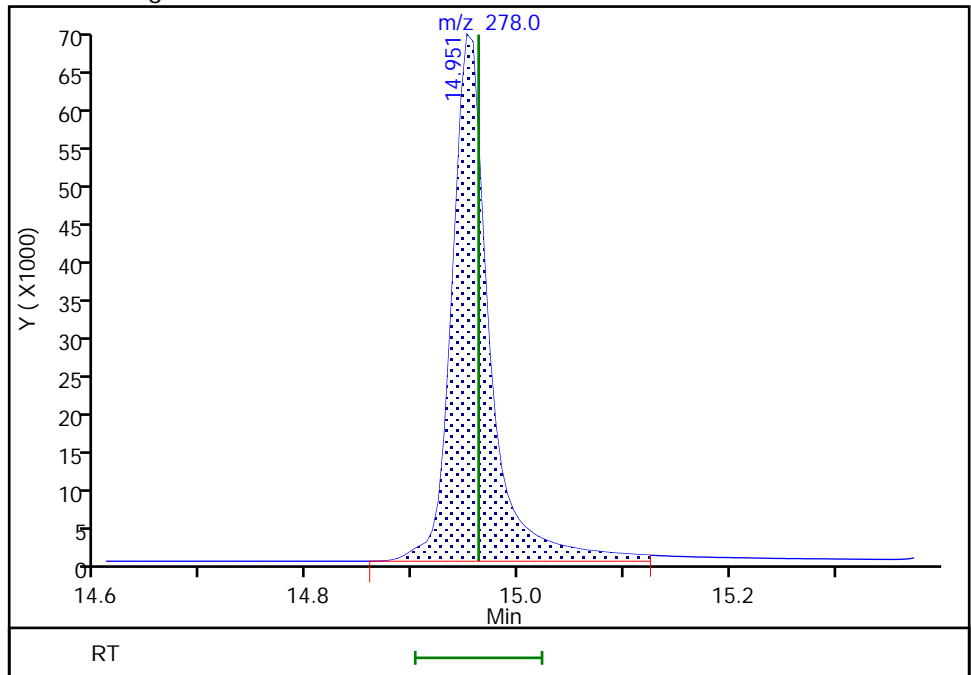
Not Detected
Expected RT: 14.96

Processing Integration Results



RT: 14.95
Area: 171568
Amount: 915.2043
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 22-Mar-2022 09:04:30
Audit Action: Assigned Compound ID

Audit Reason: Split Peak

Eurofins Seattle

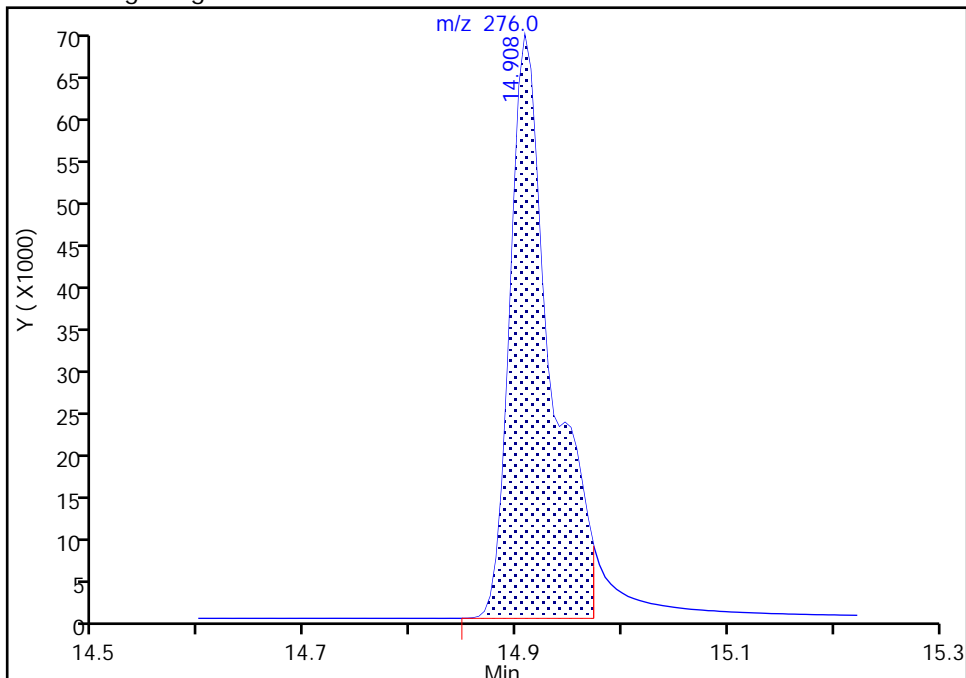
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a009.D
Injection Date: 21-Mar-2022 13:27:30 Instrument ID: TAC050
Lims ID: LCS 580-384314/2-A
Client ID:
Operator ID: tl ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

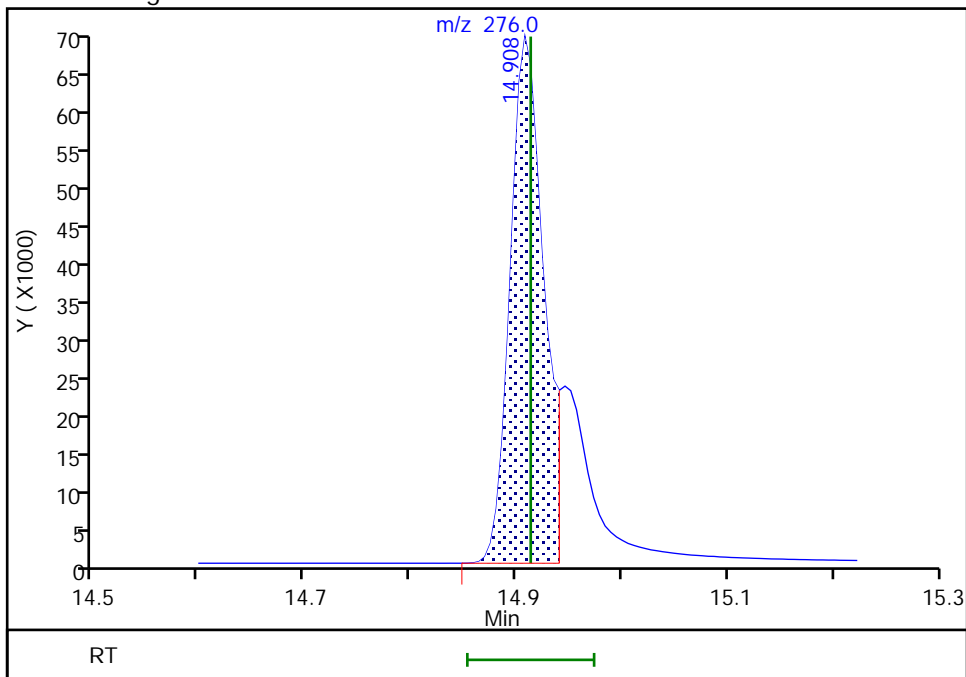
RT: 14.91
Area: 185852
Amount: 1127.4061
Amount Units: ug/L

Processing Integration Results



RT: 14.91
Area: 150202
Amount: 913.9292
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 22-Mar-2022 09:03:46
Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-384501/2-A
 Matrix: Water Lab File ID: 032522b011.D
 Analysis Method: 8270E SIM Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/25/2022 18:43
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 385175 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	1.58		0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	1.59		0.20	0.080	0.039
83-32-9	Acenaphthene	1.62		0.10	0.032	0.014
208-96-8	Acenaphthylene	1.68		0.050	0.032	0.0090
120-12-7	Anthracene	1.74		0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	1.90		0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	1.88		0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	1.85		0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	1.78		0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	1.84		0.050	0.032	0.012
218-01-9	Chrysene	1.67		0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	1.80		0.10	0.032	0.026
206-44-0	Fluoranthene	1.89		0.20	0.032	0.018
86-73-7	Fluorene	1.79		0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	1.67		0.050	0.032	0.014
91-20-3	Naphthalene	1.49		0.10	0.080	0.031
85-01-8	Phenanthrene	1.70		0.10	0.080	0.031
129-00-0	Pyrene	1.81		0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	72		40-140
93951-69-0	Fluoranthene-d10 (Surr)	86		40-140
1718-51-0	Terphenyl-d14	98		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b011.D
 Lims ID: LCS 580-384501/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 25-Mar-2022 18:43:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 580-384501/2-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 09:56:43 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 09:56:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	60594	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	80057	100.0	100.0	
* 3 Acenaphthene-d10	164	8.183	8.183	0.000	1	39038	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	64213	100.0	100.0	
* 5 Chrysene-d12	240	11.599	11.599	0.000	1	52678	100.0	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	51669	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.300	0.000	96	317982	1000.0	724.9	
\$ 8 2-Fluorobiphenyl	172	7.642	7.643	0.000	1	402684	1000.0	670.9	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	62762	1000.0	828.4	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	529132	1000.0	859.7	
\$ 11 Terphenyl-d14	244	10.716	10.716	0.000	1	430984	1000.0	979.3	
12 Naphthalene	128	6.744	6.744	0.000	1	618773	1000.0	744.0	
13 2-Methylnaphthalene	142	7.331	7.331	0.000	1	395504	1000.0	794.5	
14 1-Methylnaphthalene	142	7.408	7.408	0.000	1	385318	1000.0	788.0	
15 Acenaphthylene	152	8.065	8.065	0.000	1	576975	1000.0	842.5	
16 Acenaphthene	153	8.213	8.213	0.000	2	403196	1000.0	810.5	
17 Fluorene	166	8.637	8.637	0.000	0	445875	1000.0	896.6	
18 Pentachlorophenol	266	9.242	9.242	0.000	1	117619	2000.0	1299.8	
19 Phenanthrene	178	9.418	9.419	0.000	1	639669	1000.0	850.1	
20 Anthracene	178	9.462	9.463	-0.001	1	624908	1000.0	868.5	
21 Fluoranthene	202	10.391	10.391	0.000	1	687914	1000.0	943.8	
22 Pyrene	202	10.571	10.572	-0.001	22	692919	1000.0	903.9	
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	576624	1000.0	952.3	
24 Chrysene	228	11.620	11.621	-0.001	1	635099	1000.0	833.3	
25 Benzo[b]fluoranthene	252	12.699	12.700	-0.001	1	568040	1000.0	925.6	
26 Benzo[k]fluoranthene	252	12.732	12.732	0.000	1	701503	1000.0	918.6	
27 Benzo[a]pyrene	252	13.073	13.073	0.000	1	525026	1000.0	941.3	
28 Indeno[1,2,3-cd]pyrene	276	14.451	14.451	0.000	1	424923	1000.0	837.4	
29 Dibenz(a,h)anthracene	278	14.494	14.494	0.000	1	555545	1000.0	902.2	
30 Benzo[g,h,i]perylene	276	14.780	14.780	0.000	7	629781	1000.0	889.0	

[QC Flag Legend](#)

Processing Flags

[Reagents:](#)

Mecl2_CT_00215

Amount Added: 1.00

Units: uL

Run Reagent

8270SIM_IS_00070

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b011.D

Injection Date: 25-Mar-2022 18:43:30

Instrument ID: SEA101

Lims ID: LCS 580-384501/2-A

Client ID:

Operator ID: tl

ALS Bottle#: 6

Worklist Smp#: 6

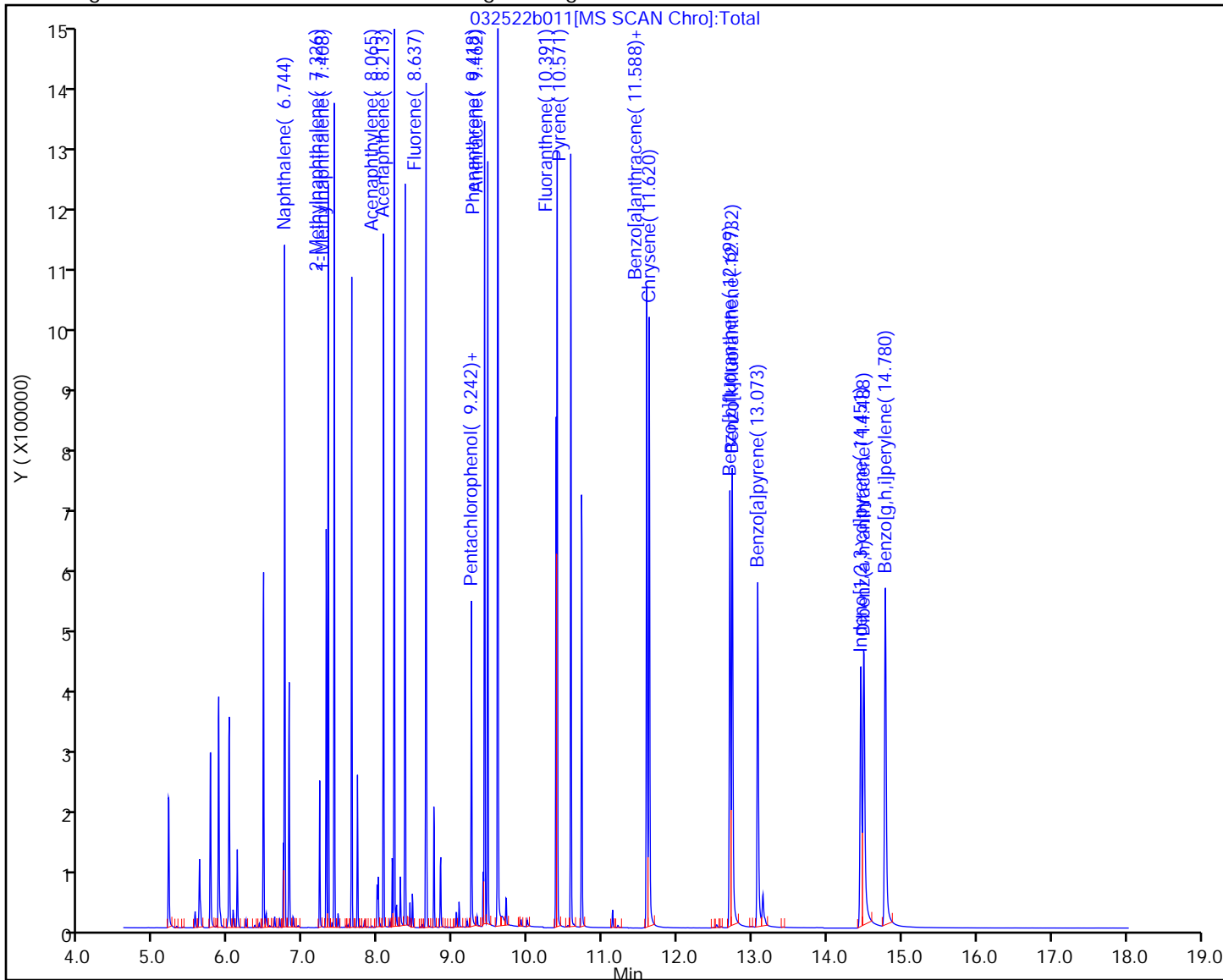
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b011.D
 Lims ID: LCS 580-384501/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 25-Mar-2022 18:43:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 580-384501/2-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 09:56:43 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt Date: 28-Mar-2022 09:56:55

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-methylnaphthalene-d10	1000.0	724.9	72.49
\$ 8 2-Fluorobiphenyl	1000.0	670.9	67.09
\$ 9 2,4,6-Tribromophenol	1000.0	828.4	82.84
\$ 10 Fluoranthene-d10 (Surr)	1000.0	859.7	85.97
\$ 11 Terphenyl-d14	1000.0	979.3	97.93

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-384314/3-A
 Matrix: Water Lab File ID: SIM032122a010.D
 Analysis Method: 8270E SIM Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/18/2022 10:55
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/21/2022 13:46
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 384521 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	1.36		0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	1.30		0.20	0.080	0.039
83-32-9	Acenaphthene	1.53		0.10	0.032	0.014
208-96-8	Acenaphthylene	1.45		0.050	0.032	0.0090
120-12-7	Anthracene	1.66		0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	1.75		0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	1.63		0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	1.74		0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	1.85		0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	1.83		0.050	0.032	0.012
218-01-9	Chrysene	1.72		0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	1.84	M	0.10	0.032	0.026
206-44-0	Fluoranthene	1.89		0.20	0.032	0.018
86-73-7	Fluorene	1.68		0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	1.84	M	0.050	0.032	0.014
91-20-3	Naphthalene	1.35		0.10	0.080	0.031
85-01-8	Phenanthrene	1.66		0.10	0.080	0.031
129-00-0	Pyrene	1.84		0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	69		40-140
93951-69-0	Fluoranthene-d10 (Surr)	94		40-140
1718-51-0	Terphenyl-d14	101		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a010.D
 Lims ID: LCSD 580-384314/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 21-Mar-2022 13:46:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: LCSD 580-384314/3-A
 Operator ID: tl Instrument ID: TAC050
 Method: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 22-Mar-2022 09:05:48 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
 Process Host: CTX1663

First Level Reviewer: limwirojt

Date: 22-Mar-2022 09:05:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.148	5.148	0.000	90	15911	100.0	100.0	
* 2 Acenaphthene-d10	164	6.832	6.832	0.000	70	8153	100.0	100.0	
* 3 Phenanthrene-d10	188	8.299	8.299	0.000	56	14414	100.0	100.0	
* 4 Chrysene-d12	240	11.007	11.007	0.000	72	12931	100.0	100.0	
* 5 Perylene-d12	264	13.052	13.056	-0.004	69	15086	100.0	100.0	
\$ 6 2-methylnaphthalene-d10	152	5.791	5.791	0.000	67	64667	1000.0	687.0	
\$ 10 2-Fluorobiphenyl	172	6.170	6.170	0.000	0	88290	1000.0	676.7	Ma
\$ 7 2,4,6-Tribromophenol	330	7.609	7.614	-0.005	57	23133	1000.0	1028.3	
\$ 8 Fluoranthene-d10 (Surr)	212	9.483	9.487	-0.004	68	139300	1000.0	935.4	
\$ 9 Terphenyl-d14	244	9.876	9.876	0.000	93	116816	1000.0	1011.2	
11 Naphthalene	128	5.166	5.166	0.000	100	113203	1000.0	672.7	
12 2-Methylnaphthalene	141	5.818	5.818	0.000	97	61989	1000.0	649.5	
13 1-Methylnaphthalene	141	5.914	5.914	0.000	98	62867	1000.0	680.1	
14 Acenaphthylene	152	6.695	6.695	0.000	100	125309	1000.0	727.0	
15 Acenaphthene	153	6.862	6.862	0.000	96	82509	1000.0	762.8	
16 Fluorene	166	7.371	7.371	0.000	93	101404	1000.0	840.9	
17 Pentachlorophenol	266	8.110	8.114	-0.004	96	32089	2000.0	1788.6	
18 Phenanthrene	178	8.319	8.323	-0.003	100	150630	1000.0	831.0	
19 Anthracene	178	8.370	8.374	-0.004	100	151897	1000.0	829.5	
20 Fluoranthene	202	9.502	9.502	0.000	52	169619	1000.0	947.2	
21 Pyrene	202	9.731	9.731	0.000	51	173441	1000.0	919.3	
22 Benzo[a]anthracene	228	10.989	10.994	-0.005	95	162801	1000.0	875.7	
23 Chrysene	228	11.035	11.039	-0.004	99	166820	1000.0	859.8	
30 Bis(2-ethylhexyl) phthalate	149	11.858	11.858	0.000	0	168337	1000.0	728.9	Ma
24 Benzo[b]fluoranthene	252	12.447	12.447	0.000	96	171413	1000.0	870.8	
25 Benzo[k]fluoranthene	252	12.489	12.489	0.000	93	201644	1000.0	914.2	
26 Benzo[a]pyrene	252	12.960	12.960	0.000	95	160463	1000.0	816.9	
27 Indeno[1,2,3-cd]pyrene	276	14.908	14.913	-0.005	94	152917	1000.0	919.5	M
28 Dibenz(a,h)anthracene	278	14.951	14.962	-0.011	94	174611	1000.0	920.5	a
29 Benzo[g,h,i]perylene	276	15.402	15.407	-0.005	92	190029	1000.0	924.3	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

8270SIM_IS_00069

Amount Added: 10.00

Units: uL

Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a010.D

Injection Date: 21-Mar-2022 13:46:30

Instrument ID: TAC050

Lims ID: LCSD 580-384314/3-A

Client ID:

Operator ID: tl

ALS Bottle#: 9

Worklist Smp#: 9

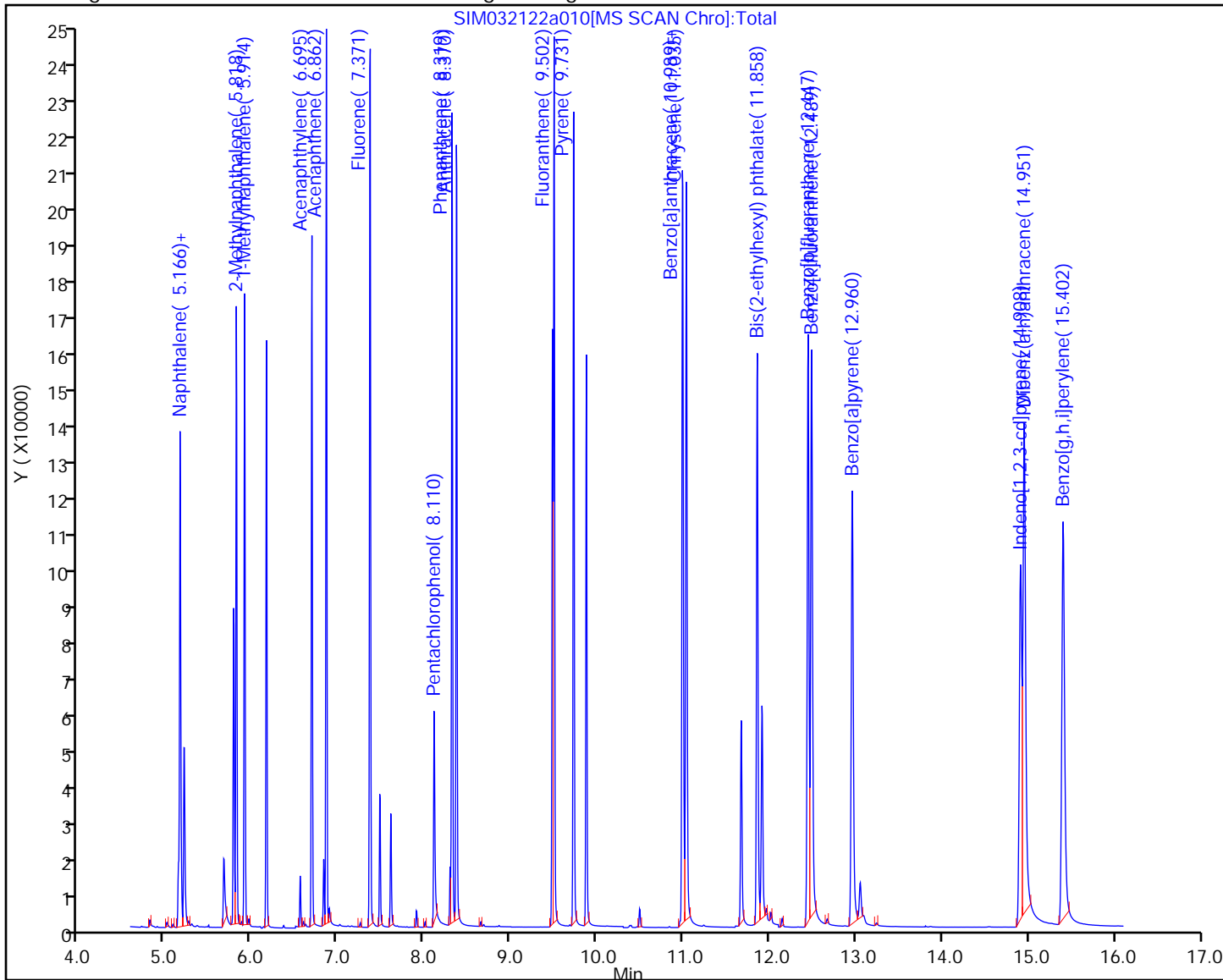
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TAC050_SIM_PAH

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a010.D
 Lims ID: LCSD 580-384314/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 21-Mar-2022 13:46:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: LCSD 580-384314/3-A
 Operator ID: tl Instrument ID: TAC050
 Method: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\TAC050_SIM_PAH.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 22-Mar-2022 09:05:48 Calib Date: 14-Jan-2022 05:04:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1663

First Level Reviewer: limwirojt

Date: 22-Mar-2022 09:05:48

Compound	Amount Added	Amount Recovered	% Rec.
\$ 6 2-methylnaphthalene-d10	1000.0	687.0	68.70
\$ 10 2-Fluorobiphenyl	1000.0	676.7	67.67
\$ 7 2,4,6-Tribromophenol	1000.0	1028.3	102.83
\$ 8 Fluoranthene-d10 (Surr)	1000.0	935.4	93.54
\$ 9 Terphenyl-d14	1000.0	1011.2	101.12

Eurofins Seattle

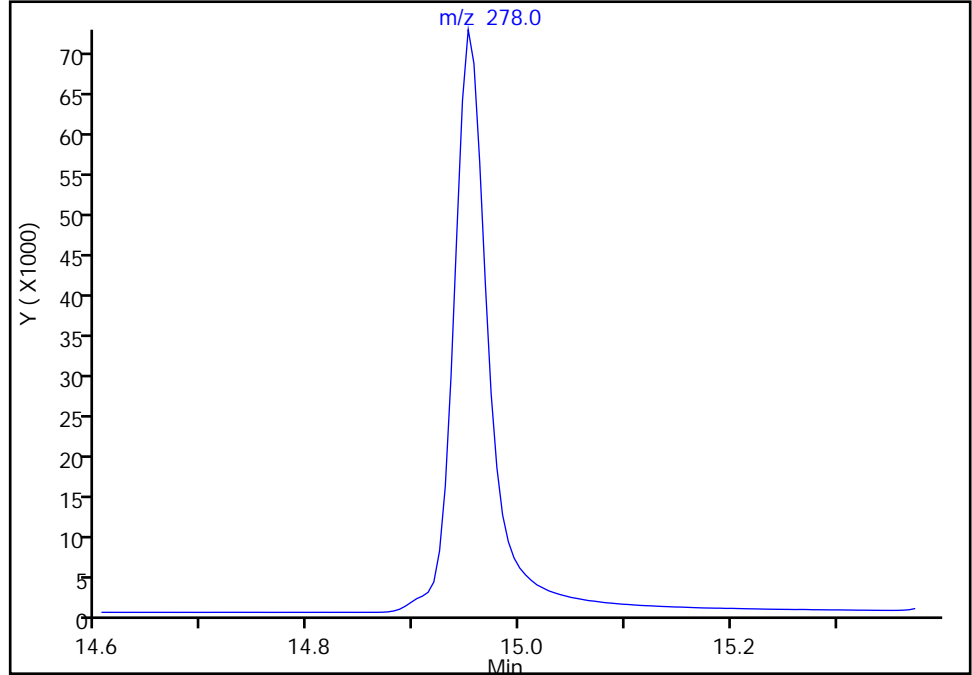
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a010.D
Injection Date: 21-Mar-2022 13:46:30 Instrument ID: TAC050
Lims ID: LCSD 580-384314/3-A
Client ID:
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

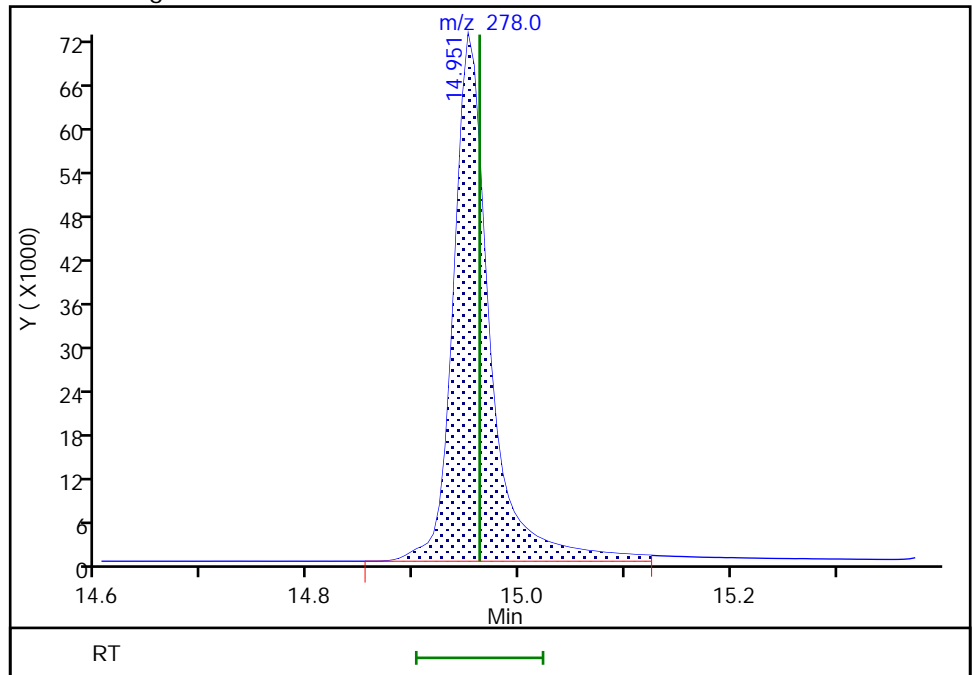
Not Detected
Expected RT: 14.96

Processing Integration Results



RT: 14.95
Area: 174611
Amount: 920.5119
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 22-Mar-2022 09:05:45
Audit Action: Assigned Compound ID

Audit Reason: Split Peak

Eurofins Seattle

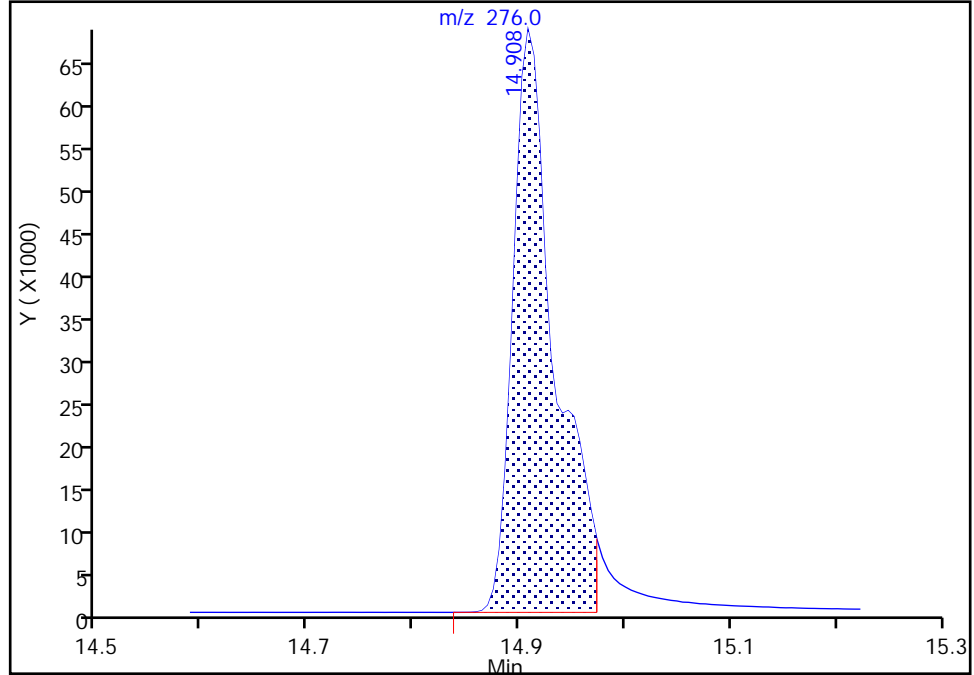
Data File: \\chromfs\Seattle\ChromData\TAC050\20220321-81848.b\SIM032122a010.D
Injection Date: 21-Mar-2022 13:46:30 Instrument ID: TAC050
Lims ID: LCSD 580-384314/3-A
Client ID:
Operator ID: tl ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

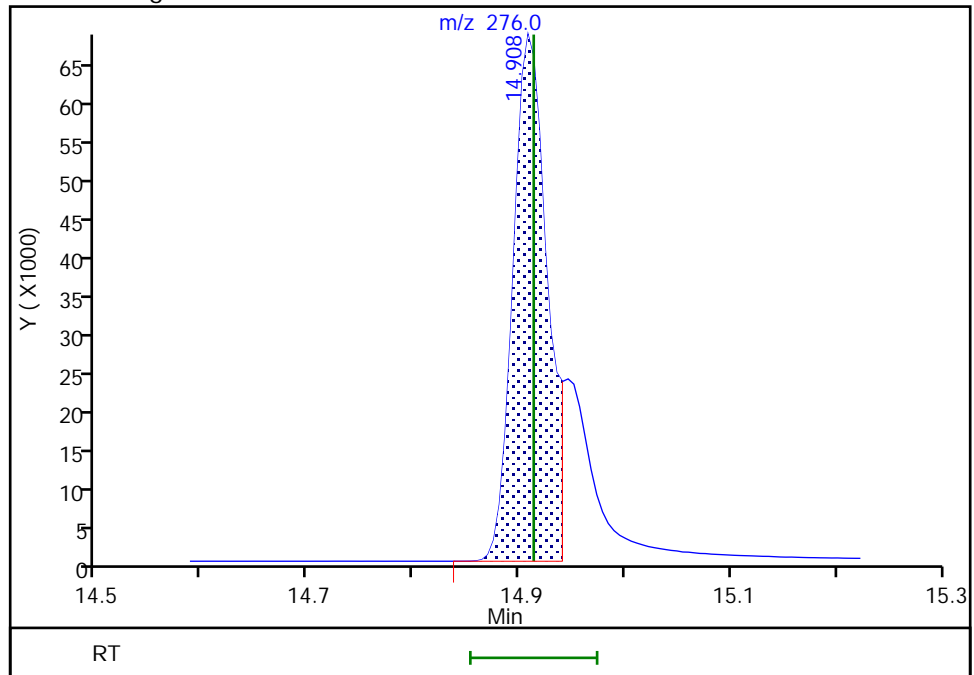
RT: 14.91
Area: 189235
Amount: 1134.3476
Amount Units: ug/L

Processing Integration Results



RT: 14.91
Area: 152917
Amount: 919.4594
Amount Units: ug/L

Manual Integration Results



Reviewer: limwirojt, 22-Mar-2022 09:05:42
Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-384501/3-A
 Matrix: Water Lab File ID: 032522b012.D
 Analysis Method: 8270E SIM Date Collected: _____
 Extract. Method: 3510C Date Extracted: 03/21/2022 09:43
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/25/2022 19:08
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 385175 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	1.47		0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	1.48		0.20	0.080	0.039
83-32-9	Acenaphthene	1.57		0.10	0.032	0.014
208-96-8	Acenaphthylene	1.65		0.050	0.032	0.0090
120-12-7	Anthracene	1.74		0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	1.99		0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	1.90		0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	1.85		0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	1.85		0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	1.88		0.050	0.032	0.012
218-01-9	Chrysene	1.76		0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	1.88		0.10	0.032	0.026
206-44-0	Fluoranthene	1.93		0.20	0.032	0.018
86-73-7	Fluorene	1.77		0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	1.89		0.050	0.032	0.014
91-20-3	Naphthalene	1.38		0.10	0.080	0.031
85-01-8	Phenanthrene	1.70		0.10	0.080	0.031
129-00-0	Pyrene	1.84		0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	71		40-140
93951-69-0	Fluoranthene-d10 (Surr)	89		40-140
1718-51-0	Terphenyl-d14	100		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b012.D
 Lims ID: LCSD 580-384501/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 25-Mar-2022 19:08:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: LCSD 580-384501/3-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 09:56:43 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 09:57:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.606	0.000	1	61020	100.0	100.0	
* 2 Naphthalene-d8	136	6.729	6.729	0.000	1	79601	100.0	100.0	
* 3 Acenaphthene-d10	164	8.183	8.183	0.000	1	38859	100.0	100.0	
* 4 Phenanthrene-d10	188	9.402	9.402	0.000	1	65506	100.0	100.0	
* 5 Chrysene-d12	240	11.599	11.599	0.000	1	53392	100.0	100.0	
* 6 Perylene-d12	264	13.143	13.143	0.000	1	55469	100.0	100.0	
\$ 7 2-methylnaphthalene-d10	152	7.300	7.300	0.000	96	309121	1000.0	708.7	
\$ 8 2-Fluorobiphenyl	172	7.642	7.643	0.000	1	398330	1000.0	666.7	
\$ 9 2,4,6-Tribromophenol	330	8.832	8.832	0.000	1	59715	1000.0	794.2	
\$ 10 Fluoranthene-d10 (Surr)	212	10.377	10.377	0.000	100	558278	1000.0	889.2	
\$ 11 Terphenyl-d14	244	10.721	10.716	0.005	1	449297	1000.0	1000.8	
12 Naphthalene	128	6.744	6.744	0.000	1	572242	1000.0	692.0	
13 2-Methylnaphthalene	142	7.326	7.331	-0.005	1	366257	1000.0	739.9	
14 1-Methylnaphthalene	142	7.407	7.408	-0.001	1	357811	1000.0	735.9	
15 Acenaphthylene	152	8.064	8.065	-0.001	1	563467	1000.0	826.5	
16 Acenaphthene	153	8.213	8.213	0.000	2	388291	1000.0	784.1	
17 Fluorene	166	8.637	8.637	0.000	0	437053	1000.0	883.0	
18 Pentachlorophenol	266	9.242	9.242	0.000	1	83709	2000.0	960.2	
19 Phenanthrene	178	9.418	9.419	0.000	1	652037	1000.0	849.4	
20 Anthracene	178	9.462	9.463	-0.001	1	639924	1000.0	871.8	
21 Fluoranthene	202	10.391	10.391	0.000	1	717564	1000.0	965.0	
22 Pyrene	202	10.571	10.572	-0.001	22	718348	1000.0	918.6	
23 Benzo[a]anthracene	228	11.588	11.588	0.000	1	611036	1000.0	994.8	
24 Chrysene	228	11.620	11.621	-0.001	1	678277	1000.0	878.9	
25 Benzo[b]fluoranthene	252	12.699	12.700	-0.001	1	611070	1000.0	927.5	
26 Benzo[k]fluoranthene	252	12.732	12.732	0.000	1	772238	1000.0	942.1	
27 Benzo[a]pyrene	252	13.073	13.073	0.000	1	570041	1000.0	952.0	
28 Indeno[1,2,3-cd]pyrene	276	14.451	14.451	0.000	1	515874	1000.0	947.0	
29 Dibenz(a,h)anthracene	278	14.494	14.494	0.000	1	622883	1000.0	941.4	
30 Benzo[g,h,i]perylene	276	14.780	14.780	0.000	7	703061	1000.0	924.5	

[QC Flag Legend](#)

Processing Flags

[Reagents:](#)

Mecl2_CT_00215	Amount Added: 1.00	Units: uL	Run Reagent
8270SIM_IS_00070	Amount Added: 10.00	Units: uL	Run Reagent

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b012.D

Injection Date: 25-Mar-2022 19:08:30

Instrument ID: SEA101

Lims ID: LCSD 580-384501/3-A

Client ID:

Operator ID: tl

ALS Bottle#: 7

Worklist Smp#: 7

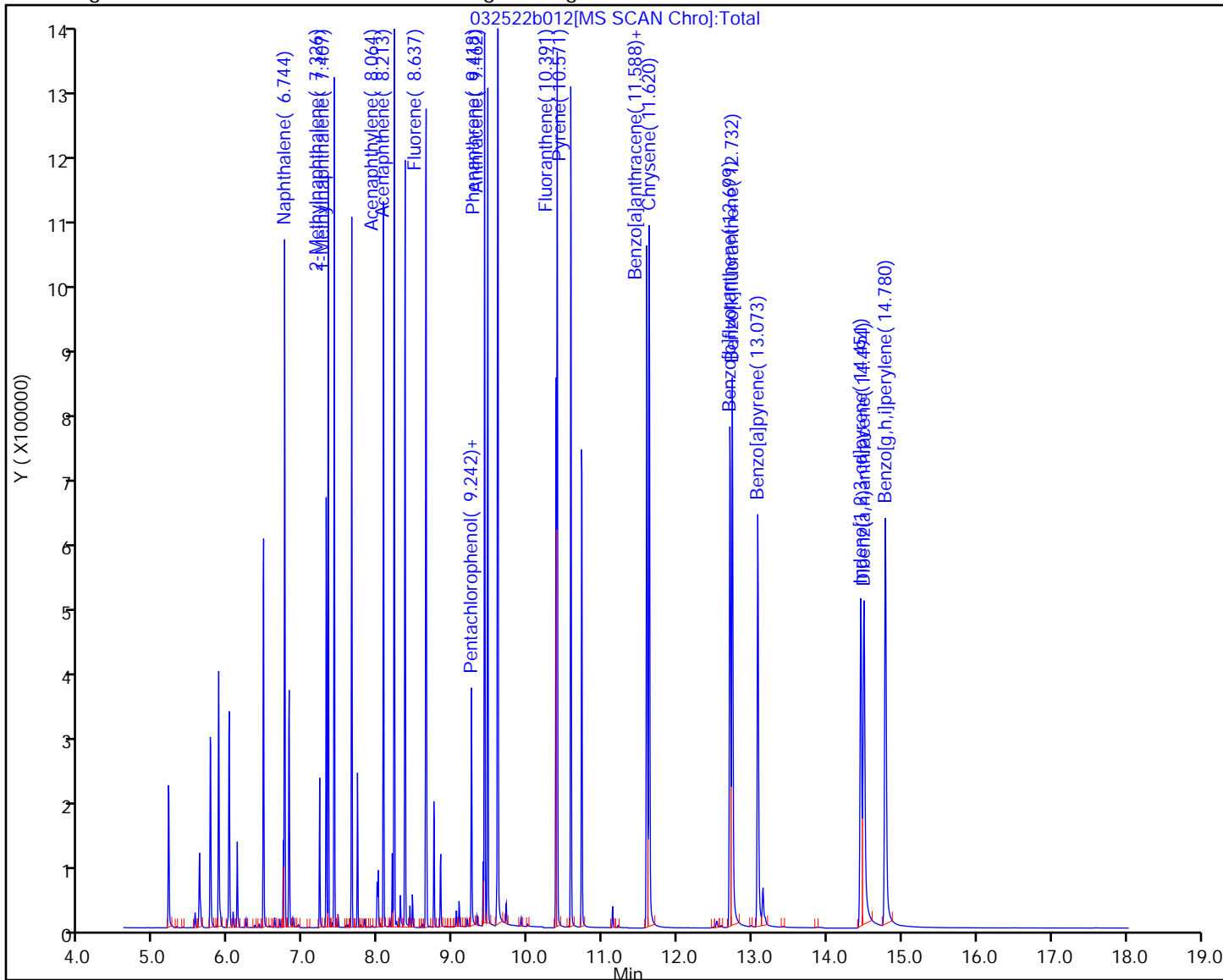
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_SIM_SEA101

Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\032522b012.D
 Lims ID: LCSD 580-384501/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 25-Mar-2022 19:08:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: LCSD 580-384501/3-A
 Operator ID: tl Instrument ID: SEA101
 Method: \\chromfs\Seattle\ChromData\SEA101\20220325-81948.b\8270_SIM_SEA101.m
 Limit Group: 8270D_SIM QSM 5.0
 Last Update: 28-Mar-2022 09:56:43 Calib Date: 25-Mar-2022 02:32:30
 Integrator: Falcon ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Seattle\ChromData\SEA101\20220324-81929.b\032422a034.D
 Column 1 : Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: limwirojt

Date: 28-Mar-2022 09:57:02

Compound	Amount Added	Amount Recovered	% Rec.
\$ 7 2-methylnaphthalene-d10	1000.0	708.7	70.87
\$ 8 2-Fluorobiphenyl	1000.0	666.7	66.67
\$ 9 2,4,6-Tribromophenol	1000.0	794.2	79.42
\$ 10 Fluoranthene-d10 (Surr)	1000.0	889.2	88.92
\$ 11 Terphenyl-d14	1000.0	1000.8	100.08

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC050 Start Date: 01/14/2022 00:35

Analysis Batch Number: 378263 End Date: 01/14/2022 05:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-378263/2		01/14/2022 00:35	1	SIM011322b012.D	ZB-SV 0.25 (mm)
STD13 580-378263/4 IC		01/14/2022 01:16	1	SIM011322b014.D	ZB-SV 0.25 (mm)
STD12 580-378263/5 IC		01/14/2022 01:35	1	SIM011322b015.D	ZB-SV 0.25 (mm)
STD11 580-378263/6 IC		01/14/2022 01:54	1	SIM011322b016.D	ZB-SV 0.25 (mm)
STD10 580-378263/7 IC		01/14/2022 02:13	1	SIM011322b017.D	ZB-SV 0.25 (mm)
STD9IS 580-378263/8 IC		01/14/2022 02:32	1	SIM011322b018.D	ZB-SV 0.25 (mm)
STD8 580-378263/9 IC		01/14/2022 02:51	1	SIM011322b019.D	ZB-SV 0.25 (mm)
STD7 580-378263/10 IC		01/14/2022 03:10	1	SIM011322b020.D	ZB-SV 0.25 (mm)
STD6 580-378263/11 IC		01/14/2022 03:29	1	SIM011322b021.D	ZB-SV 0.25 (mm)
STD5 580-378263/12 IC		01/14/2022 03:48	1	SIM011322b022.D	ZB-SV 0.25 (mm)
STD4 580-378263/13 IC		01/14/2022 04:07	1	SIM011322b023.D	ZB-SV 0.25 (mm)
STD3 580-378263/14 IC		01/14/2022 04:26	1	SIM011322b024.D	ZB-SV 0.25 (mm)
STD2 580-378263/15 IC		01/14/2022 04:45	1	SIM011322b025.D	ZB-SV 0.25 (mm)
STD1 580-378263/16 IC		01/14/2022 05:04	1	SIM011322b026.D	ZB-SV 0.25 (mm)
ICV 580-378263/18		01/14/2022 05:42	1	SIM011322b028.D	ZB-SV 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: TAC050 Start Date: 03/21/2022 10:36

Analysis Batch Number: 384521 End Date: 03/21/2022 18:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-384521/2		03/21/2022 10:36	1	SIM032122a003.D	ZB-SV 0.25 (mm)
CCVIS 580-384521/3		03/21/2022 10:58	1	SIM032122a004.D	ZB-SV 0.25 (mm)
ZZZZZ		03/21/2022 12:10	1		ZB-SV 0.25 (mm)
MB 580-384314/1-A		03/21/2022 12:29	1	SIM032122a006.D	ZB-SV 0.25 (mm)
ZZZZZ		03/21/2022 12:48	1		ZB-SV 0.25 (mm)
ZZZZZ		03/21/2022 13:08	1		ZB-SV 0.25 (mm)
LCS 580-384314/2-A		03/21/2022 13:27	1	SIM032122a009.D	ZB-SV 0.25 (mm)
LCSD 580-384314/3-A		03/21/2022 13:46	1	SIM032122a010.D	ZB-SV 0.25 (mm)
ZZZZZ		03/21/2022 14:05	1		ZB-SV 0.25 (mm)
ZZZZZ		03/21/2022 14:25	1		ZB-SV 0.25 (mm)
ZZZZZ		03/21/2022 14:44	1		ZB-SV 0.25 (mm)
ZZZZZ		03/21/2022 15:03	1		ZB-SV 0.25 (mm)
ZZZZZ		03/21/2022 15:22	1		ZB-SV 0.25 (mm)
ZZZZZ		03/21/2022 15:41	1		ZB-SV 0.25 (mm)
ZZZZZ		03/21/2022 16:01	1		ZB-SV 0.25 (mm)
ZZZZZ		03/21/2022 16:20	1		ZB-SV 0.25 (mm)
580-111436-7	ERH2775 (RHMW15-05)	03/21/2022 16:39	1	SIM032122a019.D	ZB-SV 0.25 (mm)
CCVC 580-384521/19		03/21/2022 18:01	1	SIM032122a020.D	ZB-SV 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Start Date: 03/24/2022 14:41

Analysis Batch Number: 385060 End Date: 03/25/2022 12:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-385060/2		03/24/2022 14:41	1	032422a008.D	ZB-SV 0.25 (mm)
STD13 580-385060/4 IC		03/24/2022 17:00	1	032422a011.D	ZB-SV 0.25 (mm)
STD12 580-385060/5 IC		03/24/2022 17:51	1	032422a013.D	ZB-SV 0.25 (mm)
STD11 580-385060/6 IC		03/24/2022 18:41	1	032422a015.D	ZB-SV 0.25 (mm)
STD10 580-385060/7 IC		03/24/2022 19:31	1	032422a017.D	ZB-SV 0.25 (mm)
STD9IS 580-385060/8 ICIS		03/24/2022 20:22	1	032422a019.D	ZB-SV 0.25 (mm)
STD8 580-385060/9 IC		03/24/2022 21:12	1	032422a021.D	ZB-SV 0.25 (mm)
STD7 580-385060/10 IC		03/24/2022 22:01	1	032422a023.D	ZB-SV 0.25 (mm)
STD6 580-385060/11 IC		03/24/2022 22:51	1	032422a025.D	ZB-SV 0.25 (mm)
STD5 580-385060/12 IC		03/24/2022 23:40	1	032422a027.D	ZB-SV 0.25 (mm)
STD4 580-385060/13 IC		03/25/2022 00:29	1	032422a029.D	ZB-SV 0.25 (mm)
STD3 580-385060/14 IC		03/25/2022 01:19	1	032422a031.D	ZB-SV 0.25 (mm)
STD2 580-385060/15 IC		03/25/2022 02:08	1	032422a033.D	ZB-SV 0.25 (mm)
STD1 580-385060/16 IC		03/25/2022 02:32	1	032422a034.D	ZB-SV 0.25 (mm)
DFTPP 580-385060/19		03/25/2022 11:58	1	032522a003.D	ZB-SV 0.25 (mm)
ICB 580-385060/20		03/25/2022 12:26	1		ZB-SV 0.25 (mm)
ICV 580-385060/21		03/25/2022 12:50	1	032522a005.D	ZB-SV 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Instrument ID: SEA101 Start Date: 03/25/2022 17:02

Analysis Batch Number: 385175 End Date: 03/26/2022 00:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-385175/2		03/25/2022 17:02	1	032522b007.D	ZB-SV 0.25 (mm)
CCVIS 580-385175/3		03/25/2022 17:29	1	032522b008.D	ZB-SV 0.25 (mm)
MB 580-384501/1-A		03/25/2022 17:54	1	032522b009.D	ZB-SV 0.25 (mm)
LCS 580-384501/2-A		03/25/2022 18:43	1	032522b011.D	ZB-SV 0.25 (mm)
LCSD 580-384501/3-A		03/25/2022 19:08	1	032522b012.D	ZB-SV 0.25 (mm)
580-111436-1	ERH2807 (RHMW03)	03/25/2022 19:57	1	032522b014.D	ZB-SV 0.25 (mm)
580-111436-2	ERH2803 (RHMW12A)	03/25/2022 20:21	1	032522b015.D	ZB-SV 0.25 (mm)
580-111436-3	ERH2804 (RHMW12A)	03/25/2022 20:46	1	032522b016.D	ZB-SV 0.25 (mm)
580-111436-4	ERH2818 (RHMW05)	03/25/2022 21:10	1	032522b017.D	ZB-SV 0.25 (mm)
580-111436-5	ERH2814 (RHMW01R)	03/25/2022 21:35	1	032522b018.D	ZB-SV 0.25 (mm)
580-111436-6	ERH2815 (RHMW01R)	03/25/2022 22:00	1	032522b019.D	ZB-SV 0.25 (mm)
580-111436-8	ERH2800 (RHMW14-3)	03/25/2022 22:24	1	032522b020.D	ZB-SV 0.25 (mm)
580-111436-9	ERH2821 (RHMW16)	03/25/2022 22:49	1	032522b021.D	ZB-SV 0.25 (mm)
ZZZZZ		03/25/2022 23:13	10		ZB-SV 0.25 (mm)
CCVC 580-385175/21		03/26/2022 00:51	1	032522b026.D	ZB-SV 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Batch Number: 384314 Batch Start Date: 03/18/22 10:55 Batch Analyst: Lanin, Aleksey S

Batch Method: 3510C Batch End Date: 03/18/22 20:08

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-384314/1		3510C, 8270E SIM				1000 mL	2 mL	7 SU	2 SU
LCS 580-384314/2		3510C, 8270E SIM				1000 mL	2 mL	7 SU	2 SU
LCS 580-384314/3		3510C, 8270E SIM				1000 mL	2 mL	7 SU	2 SU
580-111436-B-7	ERH2775 (RHMW15-05)	3510C, 8270E SIM	T	01459.81 g	00465.69 g	994.1 mL	2 mL	7 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	8270flspk 00296	8270waterSurr 00119			
MB 580-384314/1		3510C, 8270E SIM		11 SU		100 uL			
LCS 580-384314/2		3510C, 8270E SIM		11 SU	100 uL	100 uL			
LCS 580-384314/3		3510C, 8270E SIM		11 SU	100 uL	100 uL			
580-111436-B-7	ERH2775 (RHMW15-05)	3510C, 8270E SIM	T	11 SU		100 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Batch Number: 384314 Batch Start Date: 03/18/22 10:55 Batch Analyst: Lanin, Aleksey SBatch Method: 3510C Batch End Date: 03/18/22 20:08

Batch Notes	
Method/Fraction	3510C / 8270E / 8270_SIM / 625.1
Balance ID	SEA225
pH Indicator ID	6003005 / 6007005 / 6908005
Pipette/Syringe/Dispenser ID	MP5
Analyst ID - Extraction	MAE/JHR/AL
Reagent Water ID	DI
Analyst ID - Spike Analyst	AL
Analyst ID - Spike Witness Analyst	JHR
Sufficient Volume for Batch QC	no
Acid Used for pH Adjustment ID	3020736
Base Used to Adjust pH ID	3064763
Prep Solvent ID	3076033
Prep Solvent Volume Used	360 mL
Filter ID	3048946
Na2SO4 ID	3058747
Analyst ID - Concentration	MAE
Equipment ID - Concentration 1	Steambath 1
Thermometer ID - Concentration 1	61013-040-1
Concentration 1 Uncorrected Temperature	70.0-75.0 Degrees C
Concentration 1 Corrected Temperature	69.4-74.4 Degrees C
Equipment ID - Concentration 2	Turbovap5
Thermometer ID - Concentration 2	DIGITALREADOUT
Concentration 2 Uncorrected Temperature	30.0 Degrees C
Concentration 2 Corrected Temperature	28.1 Degrees C
Vial Lot Number	24165097
Batch Comment	Vialed by: KW/MAE

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Batch Number: 384501 Batch Start Date: 03/21/22 09:43 Batch Analyst: Yu, Johnathon J

Batch Method: 3510C Batch End Date: 03/21/22 17:09

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-384501/1		3510C, 8270E SIM				1000 mL	2 mL	7 SU	2 SU
LCS 580-384501/2		3510C, 8270E SIM				1000 mL	2 mL	7 SU	2 SU
LCS 580-384501/3		3510C, 8270E SIM				1000 mL	2 mL	7 SU	2 SU
580-111436-A-1	ERH2807 (RHMW03)	3510C, 8270E SIM	T	01460.42 g	00467.85 g	992.6 mL	2 mL	7 SU	2 SU
580-111436-A-2	ERH2803 (RHMW12A)	3510C, 8270E SIM	T	01565.41 g	00514.81 g	1050.6 mL	2 mL	7 SU	2 SU
580-111436-B-3	ERH2804 (RHMW12A)	3510C, 8270E SIM	T	01458.74 g	00467.48 g	991.3 mL	2 mL	7 SU	2 SU
580-111436-A-4	ERH2818 (RHMW05)	3510C, 8270E SIM	T	01458.10 g	00466.53 g	991.6 mL	2 mL	7 SU	2 SU
580-111436-B-5	ERH2814 (RHMW01R)	3510C, 8270E SIM	T	01457.43 g	00465.37 g	992.1 mL	2 mL	7 SU	2 SU
580-111436-B-6	ERH2815 (RHMW01R)	3510C, 8270E SIM	T	01564.75 g	00518.96 g	1045.8 mL	2 mL	7 SU	2 SU
580-111436-B-8	ERH2800 (RHMW14-3)	3510C, 8270E SIM	T	01456.42 g	00466.13 g	990.3 mL	2 mL	7 SU	2 SU
580-111436-A-9	ERH2821 (RHMW16)	3510C, 8270E SIM	T	01462.76 g	00469.29 g	993.5 mL	2 mL	7 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	8270flspk 00296	8270waterSurr 00119			
MB 580-384501/1		3510C, 8270E SIM		11 SU		100 uL			
LCS 580-384501/2		3510C, 8270E SIM		11 SU	100 uL	100 uL			
LCS 580-384501/3		3510C, 8270E SIM		11 SU	100 uL	100 uL			
580-111436-A-1	ERH2807 (RHMW03)	3510C, 8270E SIM	T	11 SU		100 uL			
580-111436-A-2	ERH2803 (RHMW12A)	3510C, 8270E SIM	T	11 SU		100 uL			
580-111436-B-3	ERH2804 (RHMW12A)	3510C, 8270E SIM	T	11 SU		100 uL			
580-111436-A-4	ERH2818 (RHMW05)	3510C, 8270E SIM	T	11 SU		100 uL			
580-111436-B-5	ERH2814 (RHMW01R)	3510C, 8270E SIM	T	11 SU		100 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

Batch Number: 384501 Batch Start Date: 03/21/22 09:43 Batch Analyst: Yu, Johnathon J

Batch Method: 3510C Batch End Date: 03/21/22 17:09

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	8270flspk 00296	8270waterSurr 00119			
580-111436-B-6	ERH2815 (RHMW01R)	3510C, 8270E SIM	T	11 SU		100 uL			
580-111436-B-8	ERH2800 (RHMW14-3)	3510C, 8270E SIM	T	11 SU		100 uL			
580-111436-A-9	ERH2821 (RHMW16)	3510C, 8270E SIM	T	11 SU		100 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270E SIM

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111436-1

SDG No.: _____

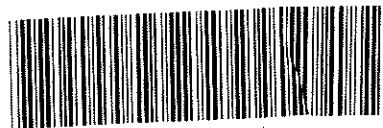
Batch Number: 384501 Batch Start Date: 03/21/22 09:43 Batch Analyst: Yu, Johnathon JBatch Method: 3510C Batch End Date: 03/21/22 17:09

Batch Notes	
Method/Fraction	3510C / TCLP / 8270E
Balance ID	SEA225
pH Indicator ID	6003005 / 6007005 / 6908005
Pipette/Syringe/Dispenser ID	MP5
Analyst ID - Extraction	JJY/JHR
Reagent Water ID	TCLP fluid #1
Analyst ID - Spike Analyst	JJY
Analyst ID - Spike Witness Analyst	JHR
Sufficient Volume for Batch QC	yes
Acid Used for pH Adjustment ID	3020736
Base Used to Adjust pH ID	3064763
Prep Solvent ID	3076033
Prep Solvent Volume Used	360 mL
Filter ID	3048946
Na2SO4 ID	3058747
Analyst ID - Concentration	JJY
Equipment ID - Concentration 1	Steambath 1
Thermometer ID - Concentration 1	61013-040-1
Concentration 1 Uncorrected Temperature	70.0-75.0 Degrees C
Concentration 1 Corrected Temperature	69.4-74.4 Degrees C
Equipment ID - Concentration 2	Turbovap5
Thermometer ID - Concentration 2	DIGITALREADOUT
Concentration 2 Uncorrected Temperature	38 Degrees C
Concentration 2 Corrected Temperature	36 Degrees C
Vial Lot Number	24165097
Batch Comment	Vialed by: JJY

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents



Chain of Custody Record

580-111436 Chain of Custody

Sampler: <i>Brian Mura</i>	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: EURO202203-47NOI
Phone: <i>808 987-3201</i>	E-Mail:	State of Origin: Hawaii	Page: Page 1 of 1

Alethea Ramos (alternate: Margie Pascua)

Company: AECOM	PWSID:	Analysis Requested	Job #:
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Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract	Analysis Requested MM 3/15/22 MM 3/15/22	Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)
City: Honolulu	TAT Requested (days): Rush - ASAP		
State, Zip: Hawaii 96813	Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:		
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:		
Project Name: CV18F0126	Project #: 60571032	Total Number of containers 2	
Site: RH	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=water/oil, BT=Tissue, AA=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCS (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM	Special Instructions/Note:
ERH2807 (RHMW03)	03/15/22	1250	G	W	N	X	x	
MM 3/15/22 MM 3/15/22								

Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months
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Deliverable Requested: I, II, III, IV, Other (specify)	Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQUIS EDD	Special Instructions/QC Requirements: DOD QSM project.
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Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: <i>Maggie Nutter</i>	Date/Time: <i>3/15/22 1430</i>	Company: AECOM	Received by: <i>[Signature]</i>
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.:	Page 1239 of 1448	Temperature(s) °C and Other Remarks: <i>14.8 1.7/1.9 19.3/16.0/16.5 w/yes FedEx 03/29/2022</i>
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Chain of Custody Record

Client Information		Sampler: <u>Chris Womack</u>		Lab PM: Elaine Walker		Carrier Tracking No(s): FedEx		COC No: EURO202203-43NOI			
Client Contact: Alethea Ramos (alternate: Margie Pascua)		Phone: <u>916.769.9323</u>		E-Mail: M.Elaine.Walker@EurofinsET.com		State of Origin: Hawaii		Page: Page 1 of 1			
Company: AECOM		PWSID:		Analysis Requested						Job #:	
Address: 1001 Bishop St. Suite 1600		Due Date Requested: see subcontract								Preservation Codes:	
City: Honolulu		TAT Requested (days): <u>Rush - ASAP</u>		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> SVOCs (full suite) by 8270D (Nap. 1,2-Mathylnap. PAH) by 8270DSIM <input checked="" type="checkbox"/>		Total Number of containers 2		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - Di Water K - EDTA L - EDA M - Hexane N - Nona O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
State, Zip: Hawaii 96813		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)		PO #:									
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)		WO #:									
Project Name: CV18F0126		Project #: 60571032		MN 3/15/22		MN 3/15/22		Other:			
Site: RH		SSOW#:									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, B=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap. 1,2-Mathylnap. PAH) by 8270DSIM	Total Number of containers	Special Instructions/Note:	
7 ERH2775 (RHMW15-05)		3/14/22	0945	G	W	N	x		2		
MN 3/15/22											
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)			Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQUS EDD.			Special Instructions/QC Requirements: DOD QSM project.					
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:					
Relinquished by: <u>Cindy Brownson</u>		Date/Time: <u>3/15/22 1530</u>		Company: AECOM		Received by: <u>[Signature]</u>		Date/Time: <u>3/16/22 945</u>		Company: <u>[Signature]</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) ° and Other Remarks:							

FedEx PO Lg 8/1/inst/But w/s

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-111436-1

Login Number: 111436
List Number: 1
Creator: Greene, Ashton R

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	