PREP BATCH REPORT

Prep Code: **SVOC-3510C-8270** Technician: **Zachary B. Zaccardi** Prep Start Date: **2/14/2022 8:37:20 AM**

Prep Batch **163724** Prep Temp **NA °C** Batch Units: **ML** Prep End Date: **2/16/2022 8:17:00 AM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
MB-163724			1000	0	0	1.00	0.001		2/14/2022	2/16/2022
Supervised by DSM										
LCS-163724			1000	0	0	1.00	0.001		2/14/2022	2/16/2022
B22020920-001C	Aqueous	7	1030	0	0	1.00	0.000971		2/14/2022	2/16/2022
Sample was clear										
B22020920-002C	Aqueous	7	990	0	0	1.00	0.00101		2/14/2022	2/16/2022
Sample was clear										
B22020920-003C	Aqueous	7	960	0	0	1.00	0.00104		2/14/2022	2/16/2022
Sample was cloudy yellow										
B22020962-032A	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (1/2)										
B22020962-011C	Ground Water	6	1040	0	0	1.00	0.000962		2/14/2022	2/16/2022
Sample was clear (1/2)										
B22020962-031C	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (1/2)										
B22020962-011CLMS	Ground Water	6	1030	0	0	1.00	0.000971		2/14/2022	2/16/2022
Sample was clear (2/2)										
B22020962-031CLMS	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (2/2)										
B22020962-032AMS	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (2/2)										
B22020962-001C	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (1/2)										
B22020962-006C	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (1/2)										
B22020962-016C	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (1/2)										

Number	Reagent Name	Exp Date	A
13124	Sulfuric Acid 2020070739	7/2/2022	2mL
13273	pH-indicator Strips 0-14 HC025486	9/30/2024	
14828	Dichloromethane ED092	12/12/2023	100, 5(

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
FP220201 14244	DCM RINSED FILTER PAPER	ALL		4/6/2026
Sulfate 02/09/22 (	Baked Sodium Sulfate	ALL	varies	11/29/2026
sv92806	Benzidines	LCS, MS	50 uL	9/9/2025
sv92809	LCS/Add Extractions	LCS, MS; LLCS/D	1.0 mL; 5	7/22/2022
sv92717	LL BNA Surr	LMS, LLCS/D	100 uL	3/31/2022
SVOC NaOH 122	10 N NaOH	MB, LCS, SAMP,	5 drops	7/31/2023
sv92811	BNA Surr	SAMP, MB, LCS,	100 uL	7/22/2022

PREP BATCH REPORT

Prep Code: **SVOC-3510C-8270** Technician: **Zachary B. Zaccardi** Prep Start Date: **2/14/2022 8:37:20 AM**

Prep Batch **163724** Prep Temp **NA °C** Batch Units: **ML** Prep End Date: **2/16/2022 8:17:00 AM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
B22020962-021C	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (1/2)										
B22020962-026C	Ground Water	6	1040	0	0	1.00	0.000962		2/14/2022	2/16/2022
Sample was a cloudy cream (1/2)										
LCSD-163724			1000	0	0	1.00	0.001		2/14/2022	2/16/2022
LLCS-163724			1000	0	0	1.00	0.001		2/14/2022	2/16/2022
LLCSD-163724			1000	0	0	1.00	0.001		2/14/2022	2/16/2022
B22020962-006CMS	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (2/2)										

Number	Reagent Name	Exp Date	A
13124	Sulfuric Acid 2020070739	7/2/2022	2mL
13273	pH-indicator Strips 0-14 HC025486	9/30/2024	
14828	Dichloromethane ED092	12/12/2023	100, 5(

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
FP220201 14244	DCM RINSED FILTER PAPER	ALL		4/6/2026
Sulfate 02/09/22 (	Baked Sodium Sulfate	ALL	varies	11/29/2026
sv92806	Benzidines	LCS, MS	50 uL	9/9/2025
sv92809	LCS/Add Extractions	LCS, MS; LLCS/D	1.0 mL; 5	7/22/2022
sv92717	LL BNA Surr	LMS, LLCS/D	100 uL	3/31/2022
SVOC NaOH 122	10 N NaOH	MB, LCS, SAMP,	5 drops	7/31/2023
sv92811	BNA Surr	SAMP, MB, LCS,	100 uL	7/22/2022

Energy Laboratories Inc

ANALYTICAL RUN Summary

24-Feb-22

Run ID SV5975.I_220216A

Run Start Date: 2/16/2022
Analyst: John P. Heine
Ical:
Column ID: ZB-SemiVolatiles
Comments:

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
dcmsvoc13	DCM						11/17/2022
sv100506	BNA low 50 ug/mL	8	ul	192	ul	CCV	3/31/2022
sv100703	BNA Internals 2000 ug/mL	2	ul	100	ul	SAMP	5/31/2022
sv100801	BNA 2nd source 200ug/mL	2	ul	198	ul	ICV	10/1/2022
sv83311	DFTPP 1000 ug/mL	50	ul	50	ul	TUNE	10/31/2022

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040412	Feb1601_D_TU	SVOC-8270-DF	TUNE	√5975.I\sh021622	2/16/2022 12:40:	1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
127, % of mass 198	A	%	52.1	52.1		100	0	0	0	0.01	0	52%	40	60	0%	
197, % of mass 198	A	%	0	0		100	0	0	0	0.01	0	0%	0	0.99	0%	
198, Base Peak	A	%	100	100		100	0	0	0	0.01	0	100%	100	100	0%	
199, % of mass 198	A	%	6.6	6.6		100	0	0	0	0.01	0	7%	5	9	0%	
275, % of mass 198	A	%	27.4	27.4		100	0	0	0	0.01	0	27%	10	30	0%	
365, % of mass 198	A	%	2.5	2.5		100	0	0	0	0.01	0	3%	1	99.99	0%	
441, % of mass 443	A	%	80.3	80.3		100	0	0	0	0.01	0	80%	0.01	150	0%	
442, % of mass 198	A	%	59.6	59.6		100	0	0	0	0.01	0	60%	40	100	0%	
443, % of mass 442	A	%	20	20		100	0	0	0	0.01	0	20%	17	23	0%	
51, % of mass 198	A	%	41.3	41.3		100	0	0	0	0.01	0	41%	30	60	0%	
68, % of mass 69	A	%	0	0		100	0	0	0	0.01	0	0%	0	1.99	0%	
70, % of mass 69	A	%	0.6	0.6		100	0	0	0	0.01	0	1%	0	1.99	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040413	16-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh021622˙2/16/2022 1:04:2		1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	9.8704	9.8704		10	0	0	0.0206	0.1	10	99%	70	130	0%	
2-Methylnaphthalene	A	ug/L	10.38476	10.38476		10	0	0	0.0176	0.1	10	104%	70	130	0%	
Acenaphthene	A	ug/L	10.22492	10.22492		10	0	0	0.0317	0.1	10	102%	70	130	0%	
Acenaphthylene	A	ug/L	10.43428	10.43428		10	0	0	0.025	0.1	10	104%	70	130	0%	
Anthracene	A	ug/L	10.02918	10.02918		10	0	0	0.0283	0.1	10	100%	70	130	0%	
Benzo(a)anthracene	A	ug/L	10.02026	10.02026		10	0	0	0.0272	0.1	10	100%	70	130	0%	
Benzo(a)pyrene	A	ug/L	10.0359	10.0359		10	0	0	0.0347	0.1	10	100%	70	130	0%	
Benzo(b)fluoranthene	A	ug/L	10.0019	10.0019		10	0	0	0.0226	0.1	10	100%	70	130	0%	
Benzo(g,h,i)perylene	A	ug/L	10.02758	10.02758		10	0	0	0.0267	0.1	10	100%	70	130	0%	
Benzo(k)fluoranthene	A	ug/L	9.96459	9.96459		10	0	0	0.0295	0.1	10	100%	70	130	0%	
Chrysene	A	ug/L	10.02478	10.02478		10	0	0	0.0458	0.1	10	100%	70	130	0%	
Dibenzo(a,h)anthracene	A	ug/L	10.05222	10.05222		10	0	0	0.0367	0.1	10	101%	70	130	0%	
Fluoranthene	A	ug/L	10.04765	10.04765		10	0	0	0.0233	0.1	10	100%	70	130	0%	
Fluorene	A	ug/L	9.98951	9.98951		10	0	0	0.0225	0.1	10	100%	70	130	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	10.00285	10.00285		10	0	0	0.0491	0.1	10	100%	70	130	0%	
Naphthalene	A	ug/L	10.03917	10.03917		10	0	0	0.029	0.1	10	100%	70	130	0%	
Phenanthrene	A	ug/L	10.04651	10.04651		10	0	0	0.0295	0.1	10	100%	70	130	0%	
Pyrene	A	ug/L	10.02416	10.02416		10	0	0	0.0239	0.1	10	100%	70	130	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	10.01202	10.01202		10	0	0	0.0444	0.1	10	100%	70	130	0%	
Nitrobenzene-d5	S	ug/L	9.97277	9.97277		10	0	0	0.0523	0.1	10	100%	70	130	0%	
Terphenyl-d14	S	ug/L	10.01255	10.01255		10	0	0	0.0563	0.1	10	100%	70	130	0%	
o-Terphenyl	X	ug/L	10.06692	10.06692		10	0	0	0.0654	0.1	10	101%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040414	16-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh021622˙2/16/2022 1:36:4		1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

2

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040414	16-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh021622˙2/16/2022 1:36:4		1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	4.49785	4.49785		5	0	0	0.0206	0.1	10	90%	70	130	0%	
2-Methylnaphthalene	A	ug/L	4.62858	4.62858		5	0	0	0.0176	0.1	10	93%	70	130	0%	
Acenaphthene	A	ug/L	4.7749	4.7749		5	0	0	0.0317	0.1	10	95%	70	130	0%	
Acenaphthylene	A	ug/L	4.43478	4.43478		5	0	0	0.025	0.1	10	89%	70	130	0%	
Anthracene	A	ug/L	4.91973	4.91973		5	0	0	0.0283	0.1	10	98%	70	130	0%	
Benzo(a)anthracene	A	ug/L	4.94282	4.94282		5	0	0	0.0272	0.1	10	99%	70	130	0%	
Benzo(a)pyrene	A	ug/L	4.88867	4.88867		5	0	0	0.0347	0.1	10	98%	70	130	0%	
Benzo(b)fluoranthene	A	ug/L	4.98412	4.98412		5	0	0	0.0226	0.1	10	100%	70	130	0%	
Benzo(g,h,i)perylene	A	ug/L	4.93414	4.93414		5	0	0	0.0267	0.1	10	99%	70	130	0%	
Benzo(k)fluoranthene	A	ug/L	5.09732	5.09732		5	0	0	0.0295	0.1	10	102%	70	130	0%	
Chrysene	A	ug/L	4.94301	4.94301		5	0	0	0.0458	0.1	10	99%	70	130	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.83934	4.83934		5	0	0	0.0367	0.1	10	97%	70	130	0%	
Fluoranthene	A	ug/L	4.85497	4.85497		5	0	0	0.0233	0.1	10	97%	70	130	0%	
Fluorene	A	ug/L	5.02403	5.02403		5	0	0	0.0225	0.1	10	100%	70	130	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.99398	4.99398		5	0	0	0.0491	0.1	10	100%	70	130	0%	
Naphthalene	A	ug/L	4.90668	4.90668		5	0	0	0.029	0.1	10	98%	70	130	0%	
Phenanthrene	A	ug/L	4.87699	4.87699		5	0	0	0.0295	0.1	10	98%	70	130	0%	
Pyrene	A	ug/L	4.92651	4.92651		5	0	0	0.0239	0.1	10	99%	70	130	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	4.96824	4.96824		5	0	0	0.0444	0.1	10	99%	70	130	0%	
Nitrobenzene-d5	S	ug/L	5.06999	5.06999		5	0	0	0.0523	0.1	10	101%	70	130	0%	
Terphenyl-d14	S	ug/L	4.96312	4.96312		5	0	0	0.0563	0.1	10	99%	70	130	0%	
o-Terphenyl	X	ug/L	4.81746	4.81746		5	0	0	0.0654	0.1	10	96%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040415	16-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh021622˙2/16/2022 2:09:2		1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040415	16-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh021622	2/16/2022 2:09:2	1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	1.8807	1.8807		2	0	0	0.0206	0.1	10	94%	70	130	0%	
2-Methylnaphthalene	A	ug/L	2.04505	2.04505		2	0	0	0.0176	0.1	10	102%	70	130	0%	
Acenaphthene	A	ug/L	1.97726	1.97726		2	0	0	0.0317	0.1	10	99%	70	130	0%	
Acenaphthylene	A	ug/L	1.99926	1.99926		2	0	0	0.025	0.1	10	100%	70	130	0%	
Anthracene	A	ug/L	2.03543	2.03543		2	0	0	0.0283	0.1	10	102%	70	130	0%	
Benzo(a)anthracene	A	ug/L	2.01819	2.01819		2	0	0	0.0272	0.1	10	101%	70	130	0%	
Benzo(a)pyrene	A	ug/L	2.03427	2.03427		2	0	0	0.0347	0.1	10	102%	70	130	0%	
Benzo(b)fluoranthene	A	ug/L	2.03612	2.03612		2	0	0	0.0226	0.1	10	102%	70	130	0%	
Benzo(g,h,i)perylene	A	ug/L	1.96817	1.96817		2	0	0	0.0267	0.1	10	98%	70	130	0%	
Benzo(k)fluoranthene	A	ug/L	1.96564	1.96564		2	0	0	0.0295	0.1	10	98%	70	130	0%	
Chrysene	A	ug/L	1.99151	1.99151		2	0	0	0.0458	0.1	10	100%	70	130	0%	
Dibenzo(a,h)anthracene	A	ug/L	2.06159	2.06159		2	0	0	0.0367	0.1	10	103%	70	130	0%	
Fluoranthene	A	ug/L	2.0733	2.0733		2	0	0	0.0233	0.1	10	104%	70	130	0%	
Fluorene	A	ug/L	2.02851	2.02851		2	0	0	0.0225	0.1	10	101%	70	130	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	1.98588	1.98588		2	0	0	0.0491	0.1	10	99%	70	130	0%	
Naphthalene	A	ug/L	2.02561	2.02561		2	0	0	0.029	0.1	10	101%	70	130	0%	
Phenanthrene	A	ug/L	2.02799	2.02799		2	0	0	0.0295	0.1	10	101%	70	130	0%	
Pyrene	A	ug/L	2.05	2.05		2	0	0	0.0239	0.1	10	102%	70	130	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	1.99767	1.99767		2	0	0	0.0444	0.1	10	100%	70	130	0%	
Nitrobenzene-d5	S	ug/L	2.04923	2.04923		2	0	0	0.0523	0.1	10	102%	70	130	0%	
Terphenyl-d14	S	ug/L	2.01444	2.01444		2	0	0	0.0563	0.1	10	101%	70	130	0%	
o-Terphenyl	X	ug/L	2.08737	2.08737		2	0	0	0.0654	0.1	10	104%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040416	16-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh021622	2/16/2022 2:41:4	1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

4

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040416	16-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh021622˙2/16/2022 2:41:4		1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	1.05136	1.05136		1	0	0	0.0206	0.1	10	105%	70	130	0%	
2-Methylnaphthalene	A	ug/L	1.02015	1.02015		1	0	0	0.0176	0.1	10	102%	70	130	0%	
Acenaphthene	A	ug/L	1.00089	1.00089		1	0	0	0.0317	0.1	10	100%	70	130	0%	
Acenaphthylene	A	ug/L	1.03711	1.03711		1	0	0	0.025	0.1	10	104%	70	130	0%	
Anthracene	A	ug/L	1.01056	1.01056		1	0	0	0.0283	0.1	10	101%	70	130	0%	
Benzo(a)anthracene	A	ug/L	1.01639	1.01639		1	0	0	0.0272	0.1	10	102%	70	130	0%	
Benzo(a)pyrene	A	ug/L	1.05081	1.05081		1	0	0	0.0347	0.1	10	105%	70	130	0%	
Benzo(b)fluoranthene	A	ug/L	1.00873	1.00873		1	0	0	0.0226	0.1	10	101%	70	130	0%	
Benzo(g,h,i)perylene	A	ug/L	1.06314	1.06314		1	0	0	0.0267	0.1	10	106%	70	130	0%	
Benzo(k)fluoranthene	A	ug/L	0.96904	0.96904		1	0	0	0.0295	0.1	10	97%	70	130	0%	
Chrysene	A	ug/L	1.02952	1.02952		1	0	0	0.0458	0.1	10	103%	70	130	0%	
Dibenzo(a,h)anthracene	A	ug/L	1.041	1.041		1	0	0	0.0367	0.1	10	104%	70	130	0%	
Fluoranthene	A	ug/L	1.02611	1.02611		1	0	0	0.0233	0.1	10	103%	70	130	0%	
Fluorene	A	ug/L	0.93522	0.93522		1	0	0	0.0225	0.1	10	94%	70	130	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	1.02328	1.02328		1	0	0	0.0491	0.1	10	102%	70	130	0%	
Naphthalene	A	ug/L	1.03478	1.03478		1	0	0	0.029	0.1	10	103%	70	130	0%	
Phenanthrene	A	ug/L	1.03523	1.03523		1	0	0	0.0295	0.1	10	104%	70	130	0%	
Pyrene	A	ug/L	1.01398	1.01398		1	0	0	0.0239	0.1	10	101%	70	130	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	0.993	0.993		1	0	0	0.0444	0.1	10	99%	70	130	0%	
Nitrobenzene-d5	S	ug/L	0.91399	0.91399		1	0	0	0.0523	0.1	10	91%	70	130	0%	
Terphenyl-d14	S	ug/L	1.01147	1.01147		1	0	0	0.0563	0.1	10	101%	70	130	0%	
o-Terphenyl	X	ug/L	1.0357	1.0357		1	0	0	0.0654	0.1	10	104%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040417	16-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh021622˙2/16/2022 3:14:1		1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040417	16-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh021622`2/16/2022 3:14:1		1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0.46704	0.46704		0.5	0	0	0.0206	0.1	10	93%	70	130	0%	
2-Methylnaphthalene	A	ug/L	0.43338	0.43338		0.5	0	0	0.0176	0.1	10	87%	70	130	0%	
Acenaphthene	A	ug/L	0.51077	0.51077		0.5	0	0	0.0317	0.1	10	102%	70	130	0%	
Acenaphthylene	A	ug/L	0.53557	0.53557		0.5	0	0	0.025	0.1	10	107%	70	130	0%	
Anthracene	A	ug/L	0.51787	0.51787		0.5	0	0	0.0283	0.1	10	104%	70	130	0%	
Benzo(a)anthracene	A	ug/L	0.51477	0.51477		0.5	0	0	0.0272	0.1	10	103%	70	130	0%	
Benzo(a)pyrene	A	ug/L	0.50385	0.50385		0.5	0	0	0.0347	0.1	10	101%	70	130	0%	
Benzo(b)fluoranthene	A	ug/L	0.46677	0.46677		0.5	0	0	0.0226	0.1	10	93%	70	130	0%	
Benzo(g,h,i)perylene	A	ug/L	0.51589	0.51589		0.5	0	0	0.0267	0.1	10	103%	70	130	0%	
Benzo(k)fluoranthene	A	ug/L	0.49958	0.49958		0.5	0	0	0.0295	0.1	10	100%	70	130	0%	
Chrysene	A	ug/L	0.5196	0.5196		0.5	0	0	0.0458	0.1	10	104%	70	130	0%	
Dibenzo(a,h)anthracene	A	ug/L	0.52582	0.52582		0.5	0	0	0.0367	0.1	10	105%	70	130	0%	
Fluoranthene	A	ug/L	0.51299	0.51299		0.5	0	0	0.0233	0.1	10	103%	70	130	0%	
Fluorene	A	ug/L	0.51904	0.51904		0.5	0	0	0.0225	0.1	10	104%	70	130	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0.50271	0.50271		0.5	0	0	0.0491	0.1	10	101%	70	130	0%	
Naphthalene	A	ug/L	0.50258	0.50258		0.5	0	0	0.029	0.1	10	101%	70	130	0%	
Phenanthrene	A	ug/L	0.52674	0.52674		0.5	0	0	0.0295	0.1	10	105%	70	130	0%	
Pyrene	A	ug/L	0.48895	0.48895		0.5	0	0	0.0239	0.1	10	98%	70	130	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	0.53923	0.53923		0.5	0	0	0.0444	0.1	10	108%	70	130	0%	
Nitrobenzene-d5	S	ug/L	0.49344	0.49344		0.5	0	0	0.0523	0.1	10	99%	70	130	0%	
Terphenyl-d14	S	ug/L	0.50688	0.50688		0.5	0	0	0.0563	0.1	10	101%	70	130	0%	
o-Terphenyl	X	ug/L	0.5027	0.5027		0.5	0	0	0.0654	0.1	10	101%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040418	16-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh021622`2/16/2022 3:46:3		1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040418	16-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh021622˙2/16/2022 3:46:3		1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0.20492	0.20492		0.2	0	0	0.0206	0.1	10	102%	70	130	0%	
2-Methylnaphthalene	A	ug/L	0.20057	0.20057		0.2	0	0	0.0176	0.1	10	100%	70	130	0%	
Acenaphthene	A	ug/L	0.20584	0.20584		0.2	0	0	0.0317	0.1	10	103%	70	130	0%	
Acenaphthylene	A	ug/L	0.1915	0.1915		0.2	0	0	0.025	0.1	10	96%	70	130	0%	
Anthracene	A	ug/L	0.18534	0.18534		0.2	0	0	0.0283	0.1	10	93%	70	130	0%	
Benzo(a)anthracene	A	ug/L	0.18599	0.18599		0.2	0	0	0.0272	0.1	10	93%	70	130	0%	
Benzo(a)pyrene	A	ug/L	0.19488	0.19488		0.2	0	0	0.0347	0.1	10	97%	70	130	0%	
Benzo(b)fluoranthene	A	ug/L	0.19555	0.19555		0.2	0	0	0.0226	0.1	10	98%	70	130	0%	
Benzo(g,h,i)perylene	A	ug/L	0.19955	0.19955		0.2	0	0	0.0267	0.1	10	100%	70	130	0%	
Benzo(k)fluoranthene	A	ug/L	0.19901	0.19901		0.2	0	0	0.0295	0.1	10	100%	70	130	0%	
Chrysene	A	ug/L	0.19467	0.19467		0.2	0	0	0.0458	0.1	10	97%	70	130	0%	
Dibenzo(a,h)anthracene	A	ug/L	0.1915	0.1915		0.2	0	0	0.0367	0.1	10	96%	70	130	0%	
Fluoranthene	A	ug/L	0.18828	0.18828		0.2	0	0	0.0233	0.1	10	94%	70	130	0%	
Fluorene	A	ug/L	0.20379	0.20379		0.2	0	0	0.0225	0.1	10	102%	70	130	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0.18773	0.18773		0.2	0	0	0.0491	0.1	10	94%	70	130	0%	
Naphthalene	A	ug/L	0.19016	0.19016		0.2	0	0	0.029	0.1	10	95%	70	130	0%	
Phenanthrene	A	ug/L	0.19163	0.19163		0.2	0	0	0.0295	0.1	10	96%	70	130	0%	
Pyrene	A	ug/L	0.19434	0.19434		0.2	0	0	0.0239	0.1	10	97%	70	130	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	0.19751	0.19751		0.2	0	0	0.0444	0.1	10	99%	70	130	0%	
Nitrobenzene-d5	S	ug/L	0.1705	0.1705		0.2	0	0	0.0523	0.1	10	85%	70	130	0%	
Terphenyl-d14	S	ug/L	0.18972	0.18972		0.2	0	0	0.0563	0.1	10	95%	70	130	0%	
o-Terphenyl	X	ug/L	0.19097	0.19097		0.2	0	0	0.0654	0.1	10	95%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040419	16-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh021622˙2/16/2022 4:18:5		1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040419	16-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh021622	2/16/2022 4:18:5	1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0.1163	0.1163		0.1	0	0	0.0206	0.1	10	116%	50	150	0%	
2-Methylnaphthalene	A	ug/L	0.11235	0.11235		0.1	0	0	0.0176	0.1	10	112%	50	150	0%	
Acenaphthene	A	ug/L	0.09822	0.09822		0.1	0	0	0.0317	0.1	10	98%	50	150	0%	
Acenaphthylene	A	ug/L	0.10051	0.10051		0.1	0	0	0.025	0.1	10	101%	50	150	0%	
Anthracene	A	ug/L	0.10224	0.10224		0.1	0	0	0.0283	0.1	10	102%	50	150	0%	
Benzo(a)anthracene	A	ug/L	0.10244	0.10244		0.1	0	0	0.0272	0.1	10	102%	50	150	0%	
Benzo(a)pyrene	A	ug/L	0.0968	0.0968		0.1	0	0	0.0347	0.1	10	97%	50	150	0%	
Benzo(b)fluoranthene	A	ug/L	0.10648	0.10648		0.1	0	0	0.0226	0.1	10	106%	50	150	0%	
Benzo(g,h,i)perylene	A	ug/L	0.09335	0.09335		0.1	0	0	0.0267	0.1	10	93%	50	150	0%	
Benzo(k)fluoranthene	A	ug/L	0.1038	0.1038		0.1	0	0	0.0295	0.1	10	104%	50	150	0%	
Chrysene	A	ug/L	0.09711	0.09711		0.1	0	0	0.0458	0.1	10	97%	50	150	0%	
Dibenzo(a,h)anthracene	A	ug/L	0.09452	0.09452		0.1	0	0	0.0367	0.1	10	95%	50	150	0%	
Fluoranthene	A	ug/L	0.09938	0.09938		0.1	0	0	0.0233	0.1	10	99%	50	150	0%	
Fluorene	A	ug/L	0.09896	0.09896		0.1	0	0	0.0225	0.1	10	99%	50	150	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0.10405	0.10405		0.1	0	0	0.0491	0.1	10	104%	50	150	0%	
Naphthalene	A	ug/L	0.10112	0.10112		0.1	0	0	0.029	0.1	10	101%	50	150	0%	
Phenanthrene	A	ug/L	0.0959	0.0959		0.1	0	0	0.0295	0.1	10	96%	50	150	0%	
Pyrene	A	ug/L	0.10237	0.10237		0.1	0	0	0.0239	0.1	10	102%	50	150	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	0.0947	0.0947		0.1	0	0	0.0444	0.1	10	95%	50	150	0%	
Nitrobenzene-d5	S	ug/L	0.12107	0.12107		0.1	0	0	0.0523	0.1	10	121%	50	150	0%	
Terphenyl-d14	S	ug/L	0.1025	0.1025		0.1	0	0	0.0563	0.1	10	102%	50	150	0%	
o-Terphenyl	X	ug/L	0.09901	0.09901		0.1	0	0	0.0654	0.1	10	99%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040420	16-Feb-22_CCV	SVOC-8270-W-	ICV	⁄5975.I\sh021622	2/16/2022 4:51:2	1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040420	16-Feb-22_CCV	SVOC-8270-W-	ICV	/5975.I\sh021622	2/16/2022 4:51:2	1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.01252	2.01252		2	0	0	0.0206	0.1	10	101%	80	120	0%	
2-Methylnaphthalene	A	ug/L	2.39342	2.39342		2	0	0	0.0176	0.1	10	120%	80	120	0%	
Acenaphthene	A	ug/L	2.39363	2.39363		2	0	0	0.0317	0.1	10	120%	80	120	0%	
Acenaphthylene	A	ug/L	2.29656	2.29656		2	0	0	0.025	0.1	10	115%	80	120	0%	
Anthracene	A	ug/L	2.17419	2.17419		2	0	0	0.0283	0.1	10	109%	80	120	0%	
Benzo(a)anthracene	A	ug/L	2.34232	2.34232		2	0	0	0.0272	0.1	10	117%	80	120	0%	
Benzo(a)pyrene	A	ug/L	2.21519	2.21519		2	0	0	0.0347	0.1	10	111%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	2.32816	2.32816		2	0	0	0.0226	0.1	10	116%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	2.20642	2.20642		2	0	0	0.0267	0.1	10	110%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	2.20334	2.20334		2	0	0	0.0295	0.1	10	110%	80	120	0%	
Chrysene	A	ug/L	2.34573	2.34573		2	0	0	0.0458	0.1	10	117%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	2.15486	2.15486		2	0	0	0.0367	0.1	10	108%	80	120	0%	
Fluoranthene	A	ug/L	2.22488	2.22488		2	0	0	0.0233	0.1	10	111%	80	120	0%	
Fluorene	A	ug/L	2.36595	2.36595		2	0	0	0.0225	0.1	10	118%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	2.18672	2.18672		2	0	0	0.0491	0.1	10	109%	80	120	0%	
Naphthalene	A	ug/L	2.26584	2.26584		2	0	0	0.029	0.1	10	113%	80	120	0%	
Phenanthrene	A	ug/L	2.27262	2.27262		2	0	0	0.0295	0.1	10	114%	80	120	0%	
Pyrene	A	ug/L	2.29586	2.29586		2	0	0	0.0239	0.1	10	115%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	2.01858	2.01858		2	0	0	0.0444	0.1	10	101%	80	120	0%	
Nitrobenzene-d5	S	ug/L	2.0866	2.0866		2	0	0	0.0523	0.1	10	104%	80	120	0%	
Terphenyl-d14	S	ug/L	2.07645	2.07645		2	0	0	0.0563	0.1	10	104%	80	120	0%	
o-Terphenyl	X	ug/L	2.25238	2.25238		2	0	0	0.0654	0.1	10	113%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040421	16-Feb-22_ISTB	SVOC-8270-W-	SAMP	/5975.I\sh021622	2/16/2022 5:23:5	1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040421	16-Feb-22_ISTB	SVOC-8270-W-	SAMP	⁄5975.I\sh021622`2/16/2022 5:23:5		1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0206	0.1	10	0%	0	0	0%	
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0176	0.1	10	0%	0	0	0%	
Acenaphthene	A	ug/L	0	0		0	0	0	0.0317	0.1	10	0%	0	0	0%	
Acenaphthylene	A	ug/L	0	0		0	0	0	0.025	0.1	10	0%	0	0	0%	
Anthracene	A	ug/L	0	0		0	0	0	0.0283	0.1	10	0%	0	0	0%	
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0272	0.1	10	0%	0	0	0%	
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0347	0.1	10	0%	0	0	0%	
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0226	0.1	10	0%	0	0	0%	
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0267	0.1	10	0%	0	0	0%	
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%	0	0	0%	
Chrysene	A	ug/L	0	0		0	0	0	0.0458	0.1	10	0%	0	0	0%	
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0367	0.1	10	0%	0	0	0%	
Fluoranthene	A	ug/L	0	0		0	0	0	0.0233	0.1	10	0%	0	0	0%	
Fluorene	A	ug/L	0	0		0	0	0	0.0225	0.1	10	0%	0	0	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0491	0.1	10	0%	0	0	0%	
Naphthalene	A	ug/L	0	0		0	0	0	0.029	0.1	10	0%	0	0	0%	
Phenanthrene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%	0	0	0%	
Pyrene	A	ug/L	0	0		0	0	0	0.0239	0.1	10	0%	0	0	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
2-Fluorobiphenyl	S	ug/L	0	0		5	0	0	0.0444	0.1	10	0%	25	94	0%	S
Nitrobenzene-d5	S	ug/L	0	0		5	0	0	0.0523	0.1	10	0%	19	102	0%	S
Terphenyl-d14	S	ug/L	0	0		5	0	0	0.0563	0.1	10	0%	39	106	0%	S
o-Terphenyl	X	ug/L	0	0		200	0	0	0.0654	0.1	10	0%	40	140	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040431	MB-163724	SVOC-8270C-SI	MBLK	⁄5975.I\sh021622`2/16/2022 5:56:1		1	163724	2/14/2022 8:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040431	MB-163724	SVOC-8270C-SI	MBLK	✓5975.I\sh021622'2/16/2022 5:56:1		1	163724	2/14/2022 8:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0206	0.1	10	0%			0%	
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0176	0.1	10	0%			0%	
Acenaphthene	A	ug/L	0	0		0	0	0	0.0317	0.1	10	0%			0%	
Acenaphthylene	A	ug/L	0	0		0	0	0	0.025	0.1	10	0%			0%	
Anthracene	A	ug/L	0	0		0	0	0	0.0283	0.1	10	0%			0%	
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0272	0.1	10	0%			0%	
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0347	0.1	10	0%			0%	
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0226	0.1	10	0%			0%	
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0267	0.1	10	0%			0%	
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%			0%	
Chrysene	A	ug/L	0	0		0	0	0	0.0458	0.1	10	0%			0%	
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0367	0.1	10	0%			0%	
Fluoranthene	A	ug/L	0	0		0	0	0	0.0233	0.1	10	0%			0%	
Fluorene	A	ug/L	0	0		0	0	0	0.0225	0.1	10	0%			0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0491	0.1	10	0%			0%	
Naphthalene	A	ug/L	0	0		0	0	0	0.029	0.1	10	0%			0%	
Phenanthrene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%			0%	
Pyrene	A	ug/L	0	0		0	0	0	0.0239	0.1	10	0%			0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%			0%	
o-Terphenyl	X	ug/L	0	0		0	0	0	0.0654	0	0	0%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040434	LLCS-163724	SVOC-8270C-SI	LCS-DOD	✓5975.I\sh021622'2/16/2022 6:28:3		1	163724	2/14/2022 1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	3.08622	3.08622		5	0	0	0.0206	0.1	10	62%	41	115	0%	
2-Methylnaphthalene	A	ug/L	3.68918	3.68918		5	0	0	0.0176	0.1	10	74%	39	114	0%	
Acenaphthene	A	ug/L	4.29996	4.29996		5	0	0	0.0317	0.1	10	86%	48	114	0%	
Acenaphthylene	A	ug/L	3.76965	3.76965		5	0	0	0.025	0.1	10	75%	35	121	0%	
Anthracene	A	ug/L	4.86255	4.86255		5	0	0	0.0283	0.1	10	97%	53	119	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040434	LLCS-163724	SVOC-8270C-SI	LCS-DOD	⁄5975.I\sh021622	2/16/2022 6:28:3	1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)anthracene	A	ug/L	4.98727	4.98727		5	0	0	0.0272	0.1	10	100%	59	120	0%	
Benzo(a)pyrene	A	ug/L	4.69986	4.69986		5	0	0	0.0347	0.1	10	94%	53	120	0%	
Benzo(b)fluoranthene	A	ug/L	4.83674	4.83674		5	0	0	0.0226	0.1	10	97%	53	126	0%	
Benzo(g,h,i)perylene	A	ug/L	4.70468	4.70468		5	0	0	0.0267	0.1	10	94%	44	128	0%	
Benzo(k)fluoranthene	A	ug/L	4.48983	4.48983		5	0	0	0.0295	0.1	10	90%	54	125	0%	
Chrysene	A	ug/L	4.94673	4.94673		5	0	0	0.0458	0.1	10	99%	57	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.76678	4.76678		5	0	0	0.0367	0.1	10	95%	44	141	0%	
Fluoranthene	A	ug/L	4.8066	4.8066		5	0	0	0.0233	0.1	10	96%	58	120	0%	
Fluorene	A	ug/L	4.5392	4.5392		5	0	0	0.0225	0.1	10	91%	50	118	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.70015	4.70015		5	0	0	0.0491	0.1	10	94%	48	130	0%	
Naphthalene	A	ug/L	3.56755	3.56755		5	0	0	0.029	0.1	10	71%	43	114	0%	
Phenanthrene	A	ug/L	4.73881	4.73881		5	0	0	0.0295	0.1	10	95%	53	115	0%	
Pyrene	A	ug/L	4.92186	4.92186		5	0	0	0.0239	0.1	10	98%	53	121	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%			0%	
2-Fluorobiphenyl	S	ug/L	3.99772	3.99772		5	0	0	0.0444	0.1	10	80%	53	106	0%	
Nitrobenzene-d5	S	ug/L	4.21958	4.21958		5	0	0	0.0523	0.1	10	84%	55	111	0%	
Terphenyl-d14	S	ug/L	4.8253	4.8253		5	0	0	0.0563	0.1	10	97%	58	132	0%	
o-Terphenyl	X	ug/L	4.66643	4.66643		5	0	0	0.0654	0	0	93%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040435	LLCSD-163724	SVOC-8270C-SI	LCSD-DOD	⁄5975.I\sh021622	2/16/2022 7:00:4	1	163724	2/14/2022	1	0	2E+07

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.86759	2.86759		5	0	3.08622	0.0206	0.1	10	57%	41	115	7%	
2-Methylnaphthalene	A	ug/L	3.4872	3.4872		5	0	3.68918	0.0176	0.1	10	70%	39	114	6%	
Acenaphthene	A	ug/L	3.97712	3.97712		5	0	4.29996	0.0317	0.1	10	80%	48	114	8%	
Acenaphthylene	A	ug/L	3.49241	3.49241		5	0	3.76965	0.025	0.1	10	70%	35	121	8%	
Anthracene	A	ug/L	4.46014	4.46014		5	0	4.86255	0.0283	0.1	10	89%	53	119	9%	
Benzo(a)anthracene	A	ug/L	4.7662	4.7662		5	0	4.98727	0.0272	0.1	10	95%	59	120	5%	
Benzo(a)pyrene	A	ug/L	4.51664	4.51664		5	0	4.69986	0.0347	0.1	10	90%	53	120	4%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040435	LLCSD-163724	SVOC-8270C-SI	LCSD-DOD	⁄5975.I\sh021622	2/16/2022 7:00:4	1	163724	2/14/2022	1	0	2E+07

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(b)fluoranthene	A	ug/L	4.74947	4.74947		5	0	4.83674	0.0226	0.1	10	95%	53	126	2%	
Benzo(g,h,i)perylene	A	ug/L	4.44976	4.44976		5	0	4.70468	0.0267	0.1	10	89%	44	128	6%	
Benzo(k)fluoranthene	A	ug/L	4.45681	4.45681		5	0	4.48983	0.0295	0.1	10	89%	54	125	1%	
Chrysene	A	ug/L	4.70406	4.70406		5	0	4.94673	0.0458	0.1	10	94%	57	120	5%	
Dibenzo(a,h)anthracene	A	ug/L	4.679	4.679		5	0	4.76678	0.0367	0.1	10	94%	44	141	2%	
Fluoranthene	A	ug/L	4.58553	4.58553		5	0	4.8066	0.0233	0.1	10	92%	58	120	5%	
Fluorene	A	ug/L	4.31761	4.31761		5	0	4.5392	0.0225	0.1	10	86%	50	118	5%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.55667	4.55667		5	0	4.70015	0.0491	0.1	10	91%	48	130	3%	
Naphthalene	A	ug/L	3.3123	3.3123		5	0	3.56755	0.029	0.1	10	66%	43	114	7%	
Phenanthrene	A	ug/L	4.59671	4.59671		5	0	4.73881	0.0295	0.1	10	92%	53	115	3%	
Pyrene	A	ug/L	4.51108	4.51108		5	0	4.92186	0.0239	0.1	10	90%	53	121	9%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%			0%	
2-Fluorobiphenyl	S	ug/L	3.75534	3.75534		5	0	0	0.0444	0.1	10	75%	53	106	0%	
Nitrobenzene-d5	S	ug/L	3.09643	3.09643		5	0	0	0.0523	0.1	10	62%	55	111	0%	
Terphenyl-d14	S	ug/L	4.74417	4.74417		5	0	0	0.0563	0.1	10	95%	58	132	0%	
o-Terphenyl	X	ug/L	4.3516	4.3516		5	0	4.66643	0.0654	0	0	87%	40	140	7%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040436	B22020962-001	SVOC-8270C-SI	SAMP	⁄5975.I\sh021622	2/16/2022 7:33:1	1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0196112	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0167552	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.0301784	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.0238	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.0269416	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0258944	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0330344	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0215152	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0254184	0.1	10	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040436	B22020962-001	SVOC-8270C-SI	SAMP	⁄5975.I\sh021622	2/16/2022 7:33:1	1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.0436016	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0349384	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.0221816	0.1	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.02142	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0467432	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.027608	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.0227528	0.1	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1	10	0%	0	0	0%	E
o-Terphenyl	X	ug/L	0	0		0	0	0	0.0622608	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040437	B22020962-006	SVOC-8270C-SI	SAMP	⁄5975.I\sh021622	2/16/2022 8:05:3	1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0196112	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0167552	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.0301784	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.0238	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.0269416	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0258944	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0330344	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0215152	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0254184	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.0436016	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0349384	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0.08873	0.08447096		0	0	0	0.0221816	0.1	10	0%	0	0	0%	J
Fluorene	A	ug/L	0	0		0	0	0	0.02142	0.1	10	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040437	B22020962-006	SVOC-8270C-SI	SAMP	⁄5975.I\sh021622'2/16/2022 8:05:3		1	163724	2/14/2022 1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0467432	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.027608	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0.03509	0.03340568		0	0	0	0.0227528	0.1	10	0%	0	0	0%	J
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1	10	0%	0	0	0%	E
o-Terphenyl	X	ug/L	0.03877	0		0	0	0	0.0622608	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040438	B22020962-011	SVOC-8270C-SI	SAMP	⁄5975.I\sh021622'2/16/2022 8:37:5		1	163724	2/14/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0198172	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0169312	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.0304954	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.02405	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.0272246	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0261664	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0333814	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0217412	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0256854	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.028379	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.0440596	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0353054	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.0224146	0.1	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.021645	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0472342	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.027898	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.028379	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.0229918	0.1	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040438	B22020962-011	SVOC-8270C-SI	SAMP	⁄5975.I\sh021622	2/16/2022 8:37:5	1	163724	2/14/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Acenaphthene-d10	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.48		0	0	0	0.0962	0.1	10	0%	0	0	0%	E
o-Terphenyl	X	ug/L	0	0		0	0	0	0.0629148	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040439	B22020962-011	SVOC-8270C-SI	MS-DOD	⁄5975.I\sh021622	2/16/2022 9:10:1	1	163724	2/14/2022 9:	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.41974	2.34956754		4.855	0	0	0.0200026	0.1	10	48%	41	115	0%	
2-Methylnaphthalene	A	ug/L	2.96041	2.87455811		4.855	0	0	0.0170896	0.1	10	59%	39	114	0%	
Acenaphthene	A	ug/L	3.5846	3.4806466		4.855	0	0	0.0307807	0.1	10	72%	48	114	0%	
Acenaphthylene	A	ug/L	3.45658	3.35633918		4.855	0	0	0.024275	0.1	10	69%	35	121	0%	
Anthracene	A	ug/L	4.0291	3.9122561		4.855	0	0	0.0274793	0.1	10	81%	53	119	0%	
Benzo(a)anthracene	A	ug/L	4.15533	4.03482543		4.855	0	0	0.0264112	0.1	10	83%	59	120	0%	
Benzo(a)pyrene	A	ug/L	3.84707	3.73550497		4.855	0	0	0.0336937	0.1	10	77%	53	120	0%	
Benzo(b)fluoranthene	A	ug/L	4.19327	4.07166517		4.855	0	0	0.0219446	0.1	10	84%	53	126	0%	
Benzo(g,h,i)perylene	A	ug/L	4.11779	3.99837409		4.855	0	0	0.0259257	0.1	10	82%	44	128	0%	
Benzo(k)fluoranthene	A	ug/L	3.80227	3.69200417		4.855	0	0	0.0286445	0.1	10	76%	54	125	0%	
Chrysene	A	ug/L	4.04076	3.92357796		4.855	0	0	0.0444718	0.1	10	81%	57	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.20016	4.07835536		4.855	0	0	0.0356357	0.1	10	84%	44	141	0%	
Fluoranthene	A	ug/L	3.9753	3.8600163		4.855	0	0	0.0226243	0.1	10	80%	58	120	0%	
Fluorene	A	ug/L	4.02226	3.90561446		4.855	0	0	0.0218475	0.1	10	80%	50	118	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.01362	3.89722502		4.855	0	0	0.0476761	0.1	10	80%	48	130	0%	
Naphthalene	A	ug/L	2.88406	2.80042226		4.855	0	0	0.028159	0.1	10	58%	43	114	0%	
Phenanthrene	A	ug/L	4.00249	3.88641779		4.855	0	0	0.0286445	0.1	10	80%	53	115	0%	
Pyrene	A	ug/L	4.01437	3.89795327		4.855	0	0	0.0232069	0.1	10	80%	53	121	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	38.84		0	0	0	0.0971	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	38.84		0	0	0	0.0971	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	38.84		0	0	0	0.0971	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	38.84		0	0	0	0.0971	0.1		0%			0%	
Perylene-d12	I	ug/L	40	38.84		0	0	0	0.0971	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	38.84		0	0	0	0.0971	0.1	10	0%			0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040439	B22020962-011	SVOC-8270C-SI	MS-DOD	⁄5975.I\sh021622	2/16/2022 9:10:1	1	163724	2/14/2022 9:	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2-Fluorobiphenyl	S	ug/L	3.44687	3.34691077		4.855	0	0	0.0431124	0.1	10	69%	53	106	0%	
Nitrobenzene-d5	S	ug/L	3.21992	3.12654232		4.855	0	0	0.0507833	0.1	10	64%	55	111	0%	
Terphenyl-d14	S	ug/L	3.39953	3.30094363		4.855	0	0	0.0546673	0.1	10	68%	58	132	0%	
o-Terphenyl	X	ug/L	4.04026	3.92309246		4.855	0	0	0.0635034	0	0	81%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040440	B22020962-016	SVOC-8270C-SI	SAMP	⁄5975.I\sh021622	2/16/2022 9:42:3	1	163724	2/14/2022 1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0196112	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0167552	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.0301784	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.0238	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.0269416	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0258944	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0330344	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0215152	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0254184	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.0436016	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0349384	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.0221816	0.1	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.02142	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0467432	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.027608	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.0227528	0.1	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1	10	0%	0	0	0%	E
o-Terphenyl	X	ug/L	0	0		0	0	0	0.0622608	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040441	B22020962-021	SVOC-8270C-SI	SAMP	✓5975.I\sh021622	2/16/2022 10:14:	1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0.07183	0.06838216		0	0	0	0.0196112	0.1	10	0%	0	0	0%	J
2-Methylnaphthalene	A	ug/L	0.06955	0.0662116		0	0	0	0.0167552	0.1	10	0%	0	0	0%	J
Acenaphthene	A	ug/L	0	0		0	0	0	0.0301784	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.0238	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.0269416	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0258944	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0330344	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0215152	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0254184	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.0436016	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0349384	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.0221816	0.1	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.02142	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0467432	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.027608	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.0227528	0.1	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1	10	0%	0	0	0%	E
o-Terphenyl	X	ug/L	0.12172	0.11587744		0	0	0	0.0622608	0	0	0%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040442	B22020962-026	SVOC-8270C-SI	SAMP	✓5975.I\sh021622	2/16/2022 10:47:	1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.37066	2.28057492		0	0	0	0.0198172	0.1	10	0%	0	0	0%	
2-Methylnaphthalene	A	ug/L	3.74042	3.59828404		0	0	0	0.0169312	0.1	10	0%	0	0	0%	
Acenaphthene	A	ug/L	0.2933	0.2821546		0	0	0	0.0304954	0.1	10	0%	0	0	0%	
Acenaphthylene	A	ug/L	0.15672	0.15076464		0	0	0	0.02405	0.1	10	0%	0	0	0%	
Anthracene	A	ug/L	0.34172	0.32873464		0	0	0	0.0272246	0.1	10	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040442	B22020962-026	SVOC-8270C-SI	SAMP	⁄5975.I\sh021622	2/16/2022 10:47:	1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)anthracene	A	ug/L	1.02839	0.98931118		0	0	0	0.0261664	0.1	10	0%	0	0	0%	
Benzo(a)pyrene	A	ug/L	0.86256	0.82978272		0	0	0	0.0333814	0.1	10	0%	0	0	0%	
Benzo(b)fluoranthene	A	ug/L	1.22176	1.17533312		0	0	0	0.0217412	0.1	10	0%	0	0	0%	
Benzo(g,h,i)perylene	A	ug/L	0.52682	0.50680084		0	0	0	0.0256854	0.1	10	0%	0	0	0%	
Benzo(k)fluoranthene	A	ug/L	0.43642	0.41983604		0	0	0	0.028379	0.1	10	0%	0	0	0%	
Chrysene	A	ug/L	1.19656	1.15109072		0	0	0	0.0440596	0.1	10	0%	0	0	0%	
Dibenzo(a,h)anthracene	A	ug/L	0.13817	0.13291954		0	0	0	0.0353054	0.1	10	0%	0	0	0%	
Fluoranthene	A	ug/L	2.7416	2.6374192		0	0	0	0.0224146	0.1	10	0%	0	0	0%	
Fluorene	A	ug/L	0.47052	0.45264024		0	0	0	0.021645	0.1	10	0%	0	0	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0.58921	0.56682002		0	0	0	0.0472342	0.1	10	0%	0	0	0%	
Naphthalene	A	ug/L	1.20375	1.1580075		0	0	0	0.027898	0.1	10	0%	0	0	0%	
Phenanthrene	A	ug/L	1.78568	1.71782416		0	0	0	0.028379	0.1	10	0%	0	0	0%	
Pyrene	A	ug/L	2.66018	2.55909316		0	0	0	0.0229918	0.1	10	0%	0	0	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.48		0	0	0	0.0962	0.1	10	0%	0	0	0%	E
o-Terphenyl	X	ug/L	0	0		0	0	0	0.0629148	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040443	B22020962-031	SVOC-8270C-SI	SAMP	⁄5975.I\sh021622	2/16/2022 11:19:	1	163724	2/14/2022	9:	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0196112	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0167552	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.0301784	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.0238	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.0269416	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0258944	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0330344	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0215152	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0254184	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040443	B22020962-031	SVOC-8270C-SI	SAMP	⁄5975.I\sh021622	2/16/2022 11:19:	1	163724	2/14/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chrysene	A	ug/L	0	0		0	0	0	0.0436016	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0349384	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.0221816	0.1	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.02142	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0467432	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.027608	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.0227528	0.1	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1	10	0%	0	0	0%	E
o-Terphenyl	X	ug/L	0	0		0	0	0	0.0622608	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040444	B22020962-031	SVOC-8270C-SI	MS-DOD	⁄5975.I\sh021622	2/16/2022 11:51:	1	163724	2/14/2022 9:	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.93914	2.79806128		4.76	0	0	0.0196112	0.1	10	59%	41	115	0%	
2-Methylnaphthalene	A	ug/L	3.41998	3.25582096		4.76	0	0	0.0167552	0.1	10	68%	39	114	0%	
Acenaphthene	A	ug/L	4.16781	3.96775512		4.76	0	0	0.0301784	0.1	10	83%	48	114	0%	
Acenaphthylene	A	ug/L	3.99608	3.80426816		4.76	0	0	0.0238	0.1	10	80%	35	121	0%	
Anthracene	A	ug/L	4.3335	4.125492		4.76	0	0	0.0269416	0.1	10	87%	53	119	0%	
Benzo(a)anthracene	A	ug/L	4.68449	4.45963448		4.76	0	0	0.0258944	0.1	10	94%	59	120	0%	
Benzo(a)pyrene	A	ug/L	4.50466	4.28843632		4.76	0	0	0.0330344	0.1	10	90%	53	120	0%	
Benzo(b)fluoranthene	A	ug/L	4.83396	4.60192992		4.76	0	0	0.0215152	0.1	10	97%	53	126	0%	
Benzo(g,h,i)perylene	A	ug/L	4.68663	4.46167176		4.76	0	0	0.0254184	0.1	10	94%	44	128	0%	
Benzo(k)fluoranthene	A	ug/L	4.36861	4.15891672		4.76	0	0	0.028084	0.1	10	87%	54	125	0%	
Chrysene	A	ug/L	4.59737	4.37669624		4.76	0	0	0.0436016	0.1	10	92%	57	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.85543	4.62236936		4.76	0	0	0.0349384	0.1	10	97%	44	141	0%	
Fluoranthene	A	ug/L	4.69802	4.47251504		4.76	0	0	0.0221816	0.1	10	94%	58	120	0%	
Fluorene	A	ug/L	4.41734	4.20530768		4.76	0	0	0.02142	0.1	10	88%	50	118	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.50573	4.28945496		4.76	0	0	0.0467432	0.1	10	90%	48	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040444	B22020962-031	SVOC-8270C-SI	MS-DOD	⁄5975.I\sh021622`2/16/2022 11:51:		1	163724	2/14/2022 9:	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Naphthalene	A	ug/L	3.482	3.314864		4.76	0	0	0.027608	0.1	10	70%	43	114	0%	
Phenanthrene	A	ug/L	4.58657	4.36641464		4.76	0	0	0.028084	0.1	10	92%	53	115	0%	
Pyrene	A	ug/L	4.69317	4.46789784		4.76	0	0	0.0227528	0.1	10	94%	53	121	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%			0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1	10	0%			0%	
2-Fluorobiphenyl	S	ug/L	4.11386	3.91639472		4.76	0	0	0.0422688	0.1	10	82%	53	106	0%	
Nitrobenzene-d5	S	ug/L	3.80976	3.62689152		4.76	0	0	0.0497896	0.1	10	76%	55	111	0%	
Terphenyl-d14	S	ug/L	4.8386	4.6063472		4.76	0	0	0.0535976	0.1	10	97%	58	132	0%	
o-Terphenyl	X	ug/L	4.61418	4.39269936		4.76	0	0	0.0622608	0	0	92%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040445	B22020962-032	SVOC-8270C-SI	SAMP	⁄5975.I\sh021622`2/17/2022 12:24:		1	163724	2/14/2022 8:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0196112	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0167552	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.0301784	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.0238	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.0269416	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0258944	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0330344	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0215152	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0254184	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.0436016	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0349384	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.0221816	0.1	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.02142	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0467432	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.027608	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040445	B22020962-032	SVOC-8270C-SI	SAMP	√5975.I\sh021622	2/17/2022 12:24:	1	163724	2/14/2022 8:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Pyrene	A	ug/L	0	0		0	0	0	0.0227528	0.1	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1	10	0%	0	0	0%	E
o-Terphenyl	X	ug/L	0.13802	0.13139504		0	0	0	0.0622608	0	0	0%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040446	16-Feb-22_CCV	SVOC-8270C-SI	CCV	√5975.I\sh021622	2/17/2022 12:56:	1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	1.82006	1.82006		2	0	0	0.0206	0.1	10	91%	80	120	0%	
2-Methylnaphthalene	A	ug/L	2.02963	2.02963		2	0	0	0.0176	0.1	10	101%	80	120	0%	
Acenaphthene	A	ug/L	1.96131	1.96131		2	0	0	0.0317	0.1	10	98%	80	120	0%	
Acenaphthylene	A	ug/L	2.05483	2.05483		2	0	0	0.025	0.1	10	103%	80	120	0%	
Anthracene	A	ug/L	1.94284	1.94284		2	0	0	0.0283	0.1	10	97%	80	120	0%	
Benzo(a)anthracene	A	ug/L	2.03107	2.03107		2	0	0	0.0272	0.1	10	102%	80	120	0%	
Benzo(a)pyrene	A	ug/L	2.10725	2.10725		2	0	0	0.0347	0.1	10	105%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	2.07342	2.07342		2	0	0	0.0226	0.1	10	104%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	2.0144	2.0144		2	0	0	0.0267	0.1	10	101%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	2.15814	2.15814		2	0	0	0.0295	0.1	10	108%	80	120	0%	
Chrysene	A	ug/L	2.01711	2.01711		2	0	0	0.0458	0.1	10	101%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	2.02971	2.02971		2	0	0	0.0367	0.1	10	101%	80	120	0%	
Fluoranthene	A	ug/L	2.05353	2.05353		2	0	0	0.0233	0.1	10	103%	80	120	0%	
Fluorene	A	ug/L	2.09478	2.09478		2	0	0	0.0225	0.1	10	105%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	2.11876	2.11876		2	0	0	0.0491	0.1	10	106%	80	120	0%	
Naphthalene	A	ug/L	2.03737	2.03737		2	0	0	0.029	0.1	10	102%	80	120	0%	
Phenanthrene	A	ug/L	2.08041	2.08041		2	0	0	0.0295	0.1	10	104%	80	120	0%	
Pyrene	A	ug/L	2.05456	2.05456		2	0	0	0.0239	0.1	10	103%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15040446	16-Feb-22_CCV	SVOC-8270C-SI	CCV	⁄5975.I\sh021622	2/17/2022 12:56:	1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%	80	120	0%	
2-Fluorobiphenyl	S	ug/L	2.08398	2.08398		2	0	0	0.0444	0.1	10	104%	80	120	0%	
Nitrobenzene-d5	S	ug/L	1.78102	1.78102		2	0	0	0.0523	0.1	10	89%	80	120	0%	
Terphenyl-d14	S	ug/L	2.00828	2.00828		2	0	0	0.0563	0.1	10	100%	80	120	0%	
o-Terphenyl	X	ug/L	1.94683	1.94683		2	0	0	0.0654	0	0	97%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044990	16-Feb-22_CCV	SVOC-8270C-SI	CCV	⁄5975.I\sh021622	2/16/2022 4:51:2	1	R374834		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.01252	2.01252		2	0	0	0.0206	0.1	10	101%	80	120	0%	
2-Methylnaphthalene	A	ug/L	2.39342	2.39342		2	0	0	0.0176	0.1	10	120%	80	120	0%	
Acenaphthene	A	ug/L	2.39363	2.39363		2	0	0	0.0317	0.1	10	120%	80	120	0%	
Acenaphthylene	A	ug/L	2.29656	2.29656		2	0	0	0.025	0.1	10	115%	80	120	0%	
Anthracene	A	ug/L	2.17419	2.17419		2	0	0	0.0283	0.1	10	109%	80	120	0%	
Benzo(a)anthracene	A	ug/L	2.34232	2.34232		2	0	0	0.0272	0.1	10	117%	80	120	0%	
Benzo(a)pyrene	A	ug/L	2.21519	2.21519		2	0	0	0.0347	0.1	10	111%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	2.32816	2.32816		2	0	0	0.0226	0.1	10	116%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	2.20642	2.20642		2	0	0	0.0267	0.1	10	110%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	2.20334	2.20334		2	0	0	0.0295	0.1	10	110%	80	120	0%	
Chrysene	A	ug/L	2.34573	2.34573		2	0	0	0.0458	0.1	10	117%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	2.15486	2.15486		2	0	0	0.0367	0.1	10	108%	80	120	0%	
Fluoranthene	A	ug/L	2.22488	2.22488		2	0	0	0.0233	0.1	10	111%	80	120	0%	
Fluorene	A	ug/L	2.36595	2.36595		2	0	0	0.0225	0.1	10	118%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	2.18672	2.18672		2	0	0	0.0491	0.1	10	109%	80	120	0%	
Naphthalene	A	ug/L	2.26584	2.26584		2	0	0	0.029	0.1	10	113%	80	120	0%	
Phenanthrene	A	ug/L	2.27262	2.27262		2	0	0	0.0295	0.1	10	114%	80	120	0%	
Pyrene	A	ug/L	2.29586	2.29586		2	0	0	0.0239	0.1	10	115%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044990	16-Feb-22_CCV	SVOC-8270C-SI	CCV	/5975.I\sh021622'2/16/2022 4:51:2		1	R374834		0	0	

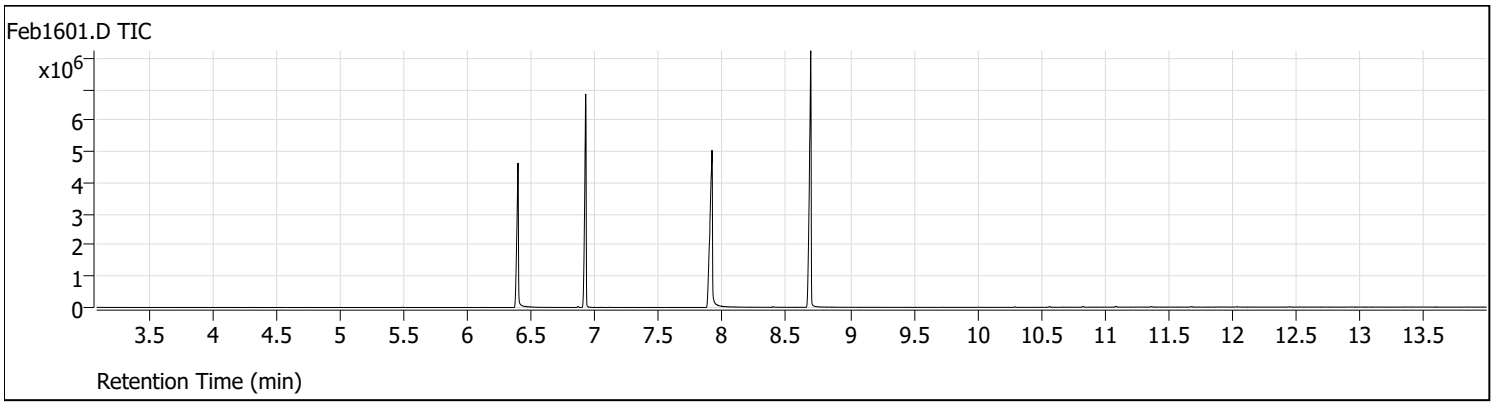
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2-Fluorobiphenyl	S	ug/L	2.01858	2.01858		2	0	0	0.0444	0.1	10	101%	80	120	0%	
Nitrobenzene-d5	S	ug/L	2.0866	2.0866		2	0	0	0.0523	0.1	10	104%	80	120	0%	
Terphenyl-d14	S	ug/L	2.07645	2.07645		2	0	0	0.0563	0.1	10	104%	80	120	0%	
o-Terphenyl	X	ug/L	2.25238	2.25238		2	0	0	0.0654	0	0	113%	80	120	0%	

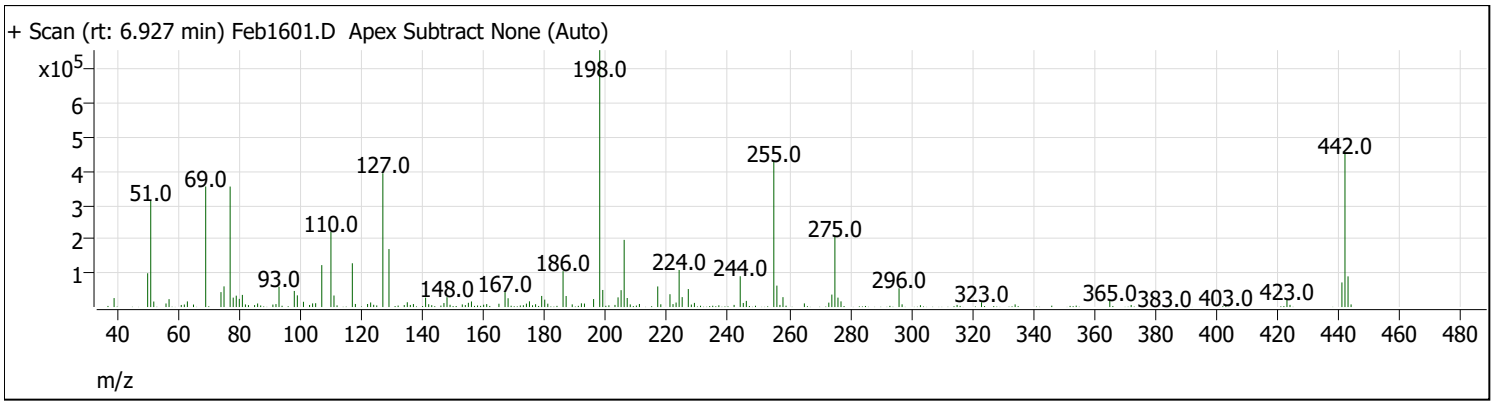
Write Sequence | Insert Entries(Have the first cell for entries selecte

File Name	Sample Name	Line No.	Test Code	Multiplier	Divisor	Method Name
Feb1601.d	16-Feb-22_TUNE_1	1		1	1	5975Tune.M
Feb1602.d	16-Feb-22_CAL_7	2	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb1603.d	16-Feb-22_CAL_6	3	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb1604.d	16-Feb-22_CAL_5	4	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb1605.d	16-Feb-22_CAL_4	5	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb1606.d	16-Feb-22_CAL_3	6	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb1607.d	16-Feb-22_CAL_2	7	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb1608.d	16-Feb-22_CAL_1	8	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb1609.d	16-Feb-22_CCV_9	9	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb1610.d	16-Feb-22_ISTBLK_10	10	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb1611.d	MB-163724	11	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1612.d	LLCS-163724	12	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1613.d	LLCSD-163724	13	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1614.d	B22020962-001C	14	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1615.d	B22020962-006C	15	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1616.d	B22020962-011C	16	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1617.d	B22020962-011CLMS	17	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1618.d	B22020962-016C	18	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1619.d	B22020962-021C	19	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1620.d	B22020962-026C	20	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1621.d	B22020962-031C	21	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1622.d	B22020962-031CLMS	22	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1623.d	B22020962-032A	23	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1624.d	16-Feb-22_CCV_24	4	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1625.d	16-Feb-22_TUNE_25	24		1	1	5975Tune.M
Feb1626.d	16-Feb-22_CCV_26	25	SVOC-8270-S-LLPAH	1	1	5975BNASIM.M
Feb1627.d	16-Feb-22_ISTBLK_27	26	SVOC-8270-S-LLPAH	1	1	5975BNASIM.M
Feb1628.d	MB-163793-163749-163629	27	SVOC-8270-S-LLPAH	1	1	5975BNASIM.M
Feb1629.d	MB-163793-163749-163629	28	SVOC-8270-S-LLPAH	20	1	5975BNASIM.M
Feb1630.d	LCS-163793-163749-163629	29	SVOC-8270-S-LLPAH	20	1	5975BNASIM.M
Feb1631.d	B22020208-012A	30	SVOC-8270-S-LLPAH	20	1	5975BNASIM.M
Feb1632.d	B22020208-012AMS	31	SVOC-8270-S-LLPAH	20	1	5975BNASIM.M
Feb1633.d	B22020208-012AMSD	32	SVOC-8270-S-LLPAH	20	1	5975BNASIM.M
Feb1634.d	B22020208-011A	33	SVOC-8270-S-LLPAH	1	1	5975BNASIM.M
Feb1635.d	B22020208-011A	34	SVOC-8270-S-LLPAH	20	1	5975BNASIM.M
Feb1636.d	MB-163792-163730-163562	35	SVOC-8270-S-LLPAH	1	1	5975BNASIM.M
Feb1637.d	MB-163792-163730-163562	36	SVOC-8270-S-LLPAH	20	1	5975BNASIM.M
Feb1638.d	LCS-163792-163730-163562	37	SVOC-8270-S-LLPAH	20	1	5975BNASIM.M
Feb1639.d	B22020208-004A	38	SVOC-8270-S-LLPAH	20	1	5975BNASIM.M
Feb1640.d	B22020208-004AMS	39	SVOC-8270-S-LLPAH	20	1	5975BNASIM.M
Feb1641.d	B22020208-004AMSD	40	SVOC-8270-S-LLPAH	20	1	5975BNASIM.M
Feb1642.d	B22020208-017A	41	SVOC-8270-S-LLPAH	1	1	5975BNASIM.M
Feb1643.d	B22020208-017A	42	SVOC-8270-S-LLPAH	20	1	5975BNASIM.M
Feb1644.d	B22020208-019A	43	SVOC-8270-S-LLPAH	1	1	5975BNASIM.M
Feb1645.d	B22020208-019A	44	SVOC-8270-S-LLPAH	20	1	5975BNASIM.M

Tune Evaluation Report

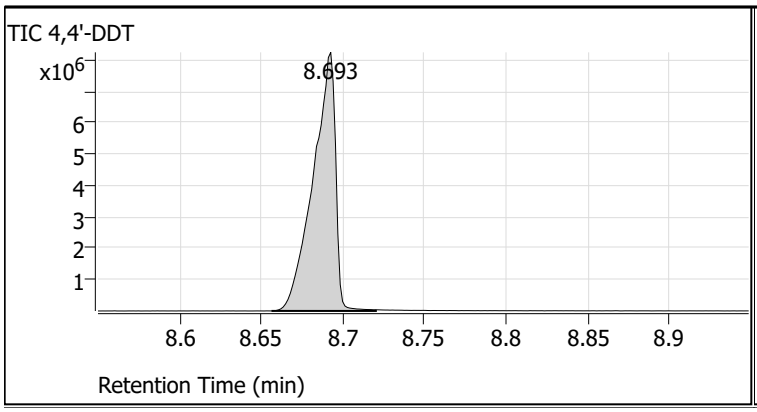
Data Path:	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1601.D
Acq on:	2/16/2022 12:40:34 PM
Operator:	LIMS import
Sample:	16-Feb-22_TUNE_1
Inst Name:	GCMS
ALS Vial:	1
Method:	\\MASSHUNTER\Org\Data\SV5975.I\Methods\DFTPP5975625.m

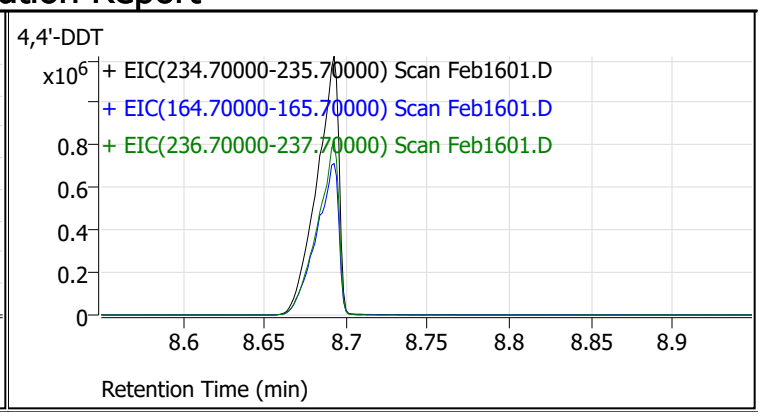


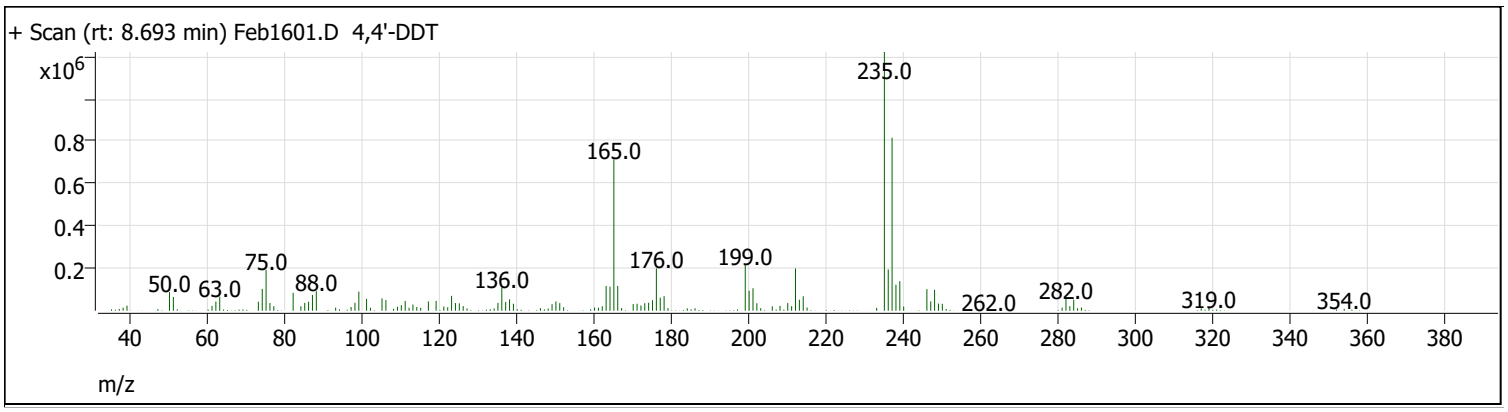


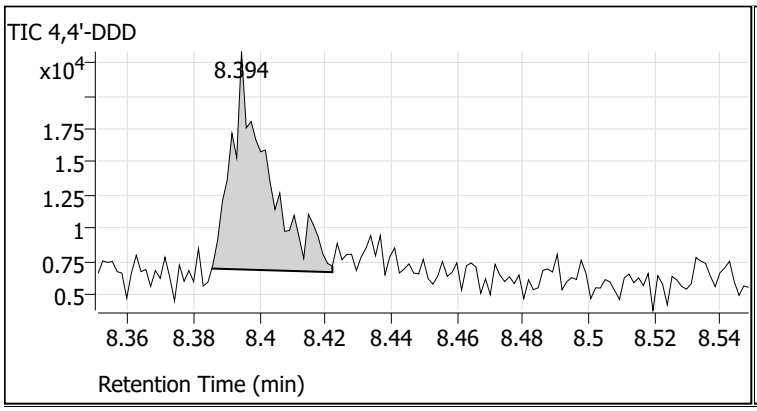
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
51	198	30	60	41.3	312704	Pass
68	69	0	2	0.0	0	Pass
70	69	0	2	0.6	2228	Pass
127	198	40	60	52.1	394432	Pass
197	198	0	1	0.0	0	Pass
198	198	100	100	100.0	756992	Pass
199	198	5	9	6.6	50328	Pass
275	198	10	30	27.4	207744	Pass
365	198	1	100	2.5	18984	Pass
441	443	1E-10	150	80.3	72576	Pass
442	198	40	100	59.6	451392	Pass
443	442	17	23	20.0	90408	Pass
69	69	100	100	100.0	355200	Pass

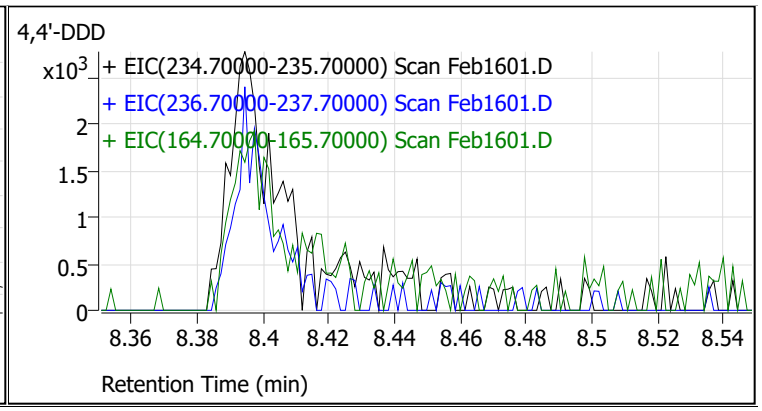
Tune Evaluation Report

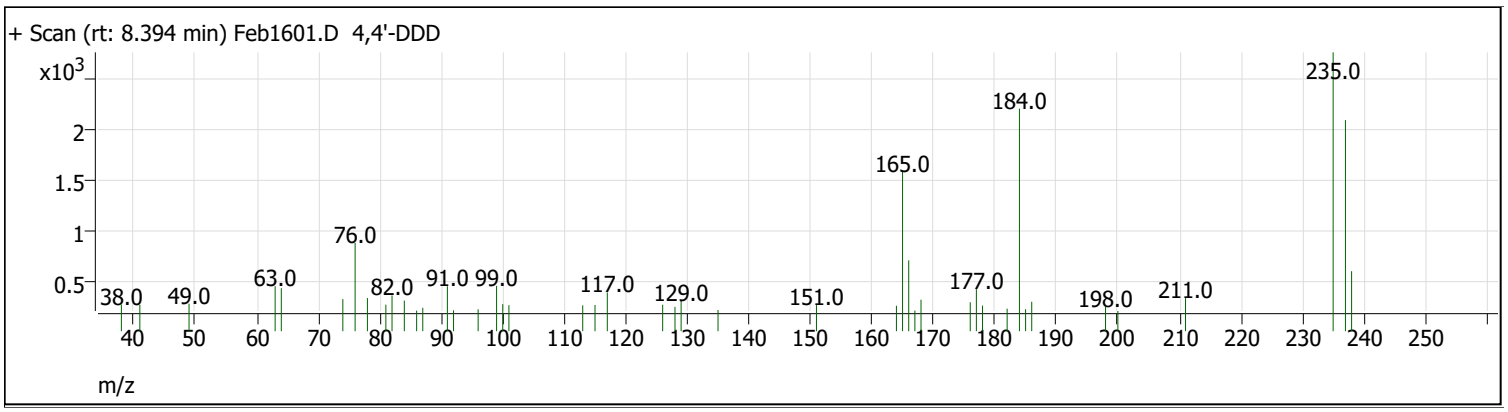


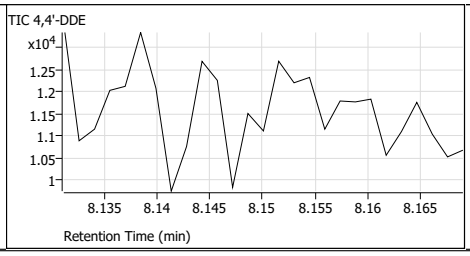


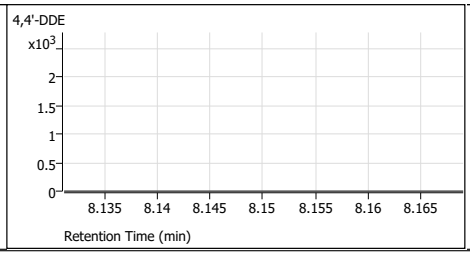




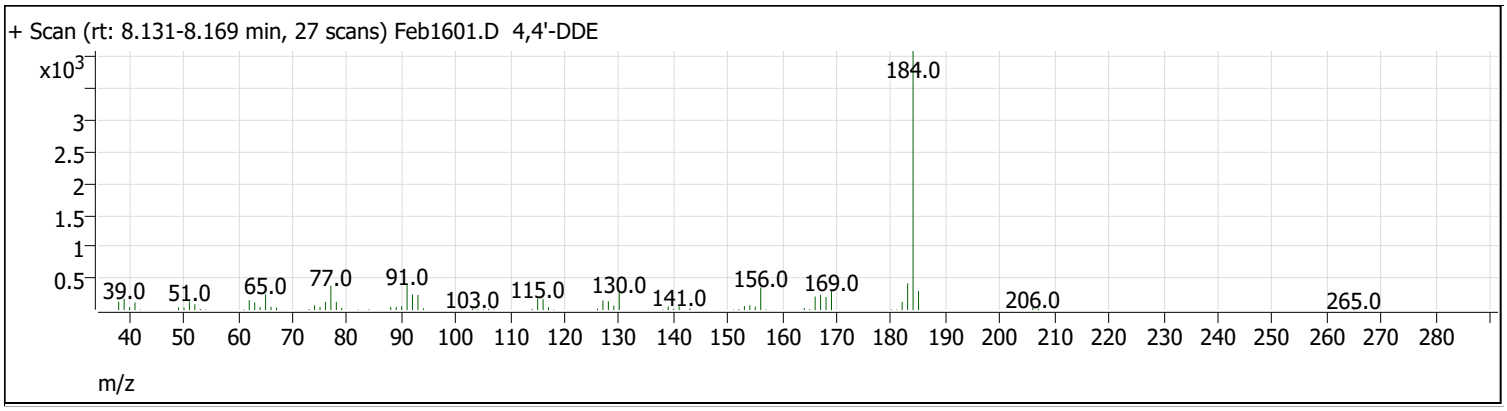






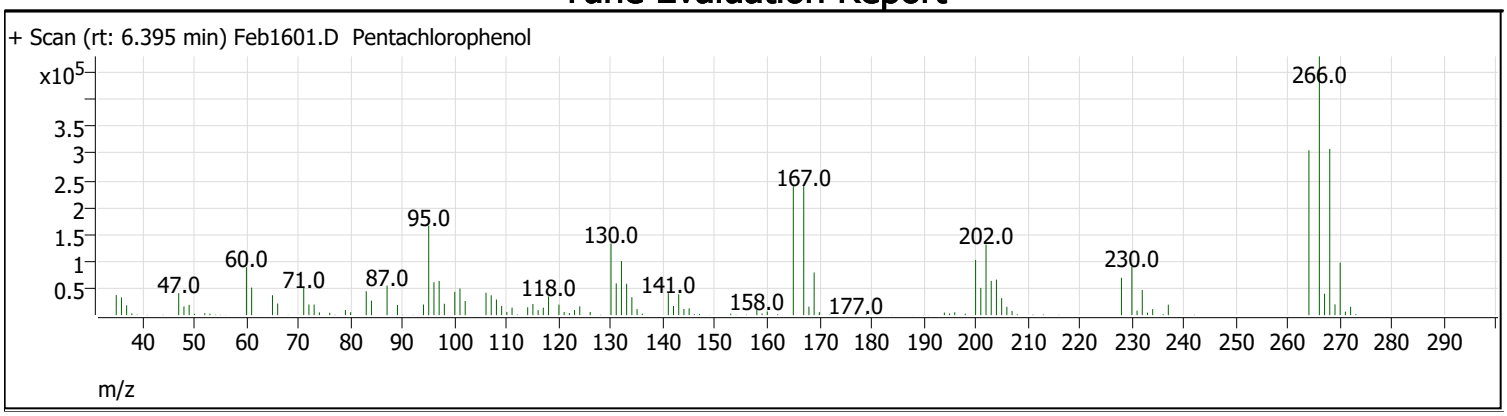


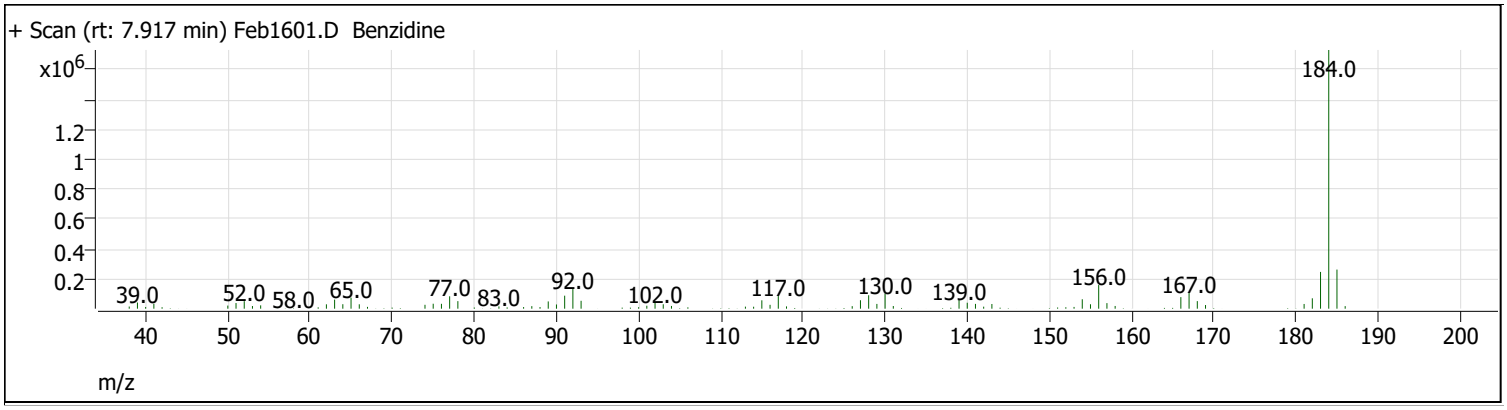
Tune Evaluation Report



Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	8.750	8.693	7854226	0.2	Pass
4,4'-DDD	8.450	8.394	12448		
4,4'-DDE	8.150	0.000	0		

Tune Evaluation Report



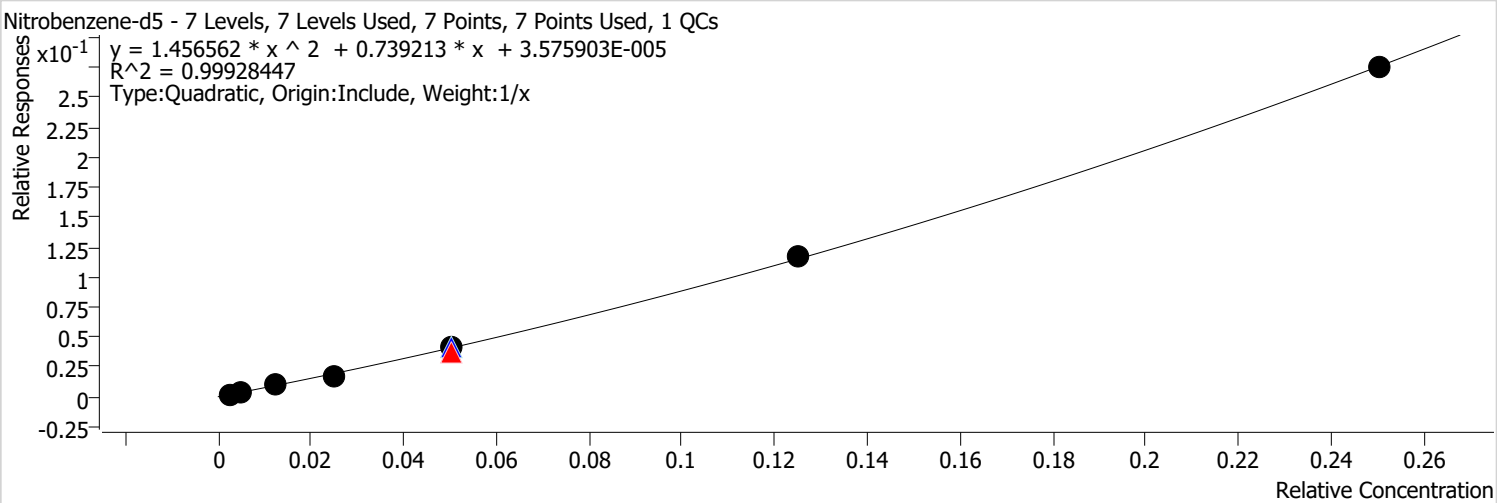


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	6.800	6.395	0.4	2.4	Pass
Benzidine	8.400	7.917	0.2	1.5	Pass

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:08 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

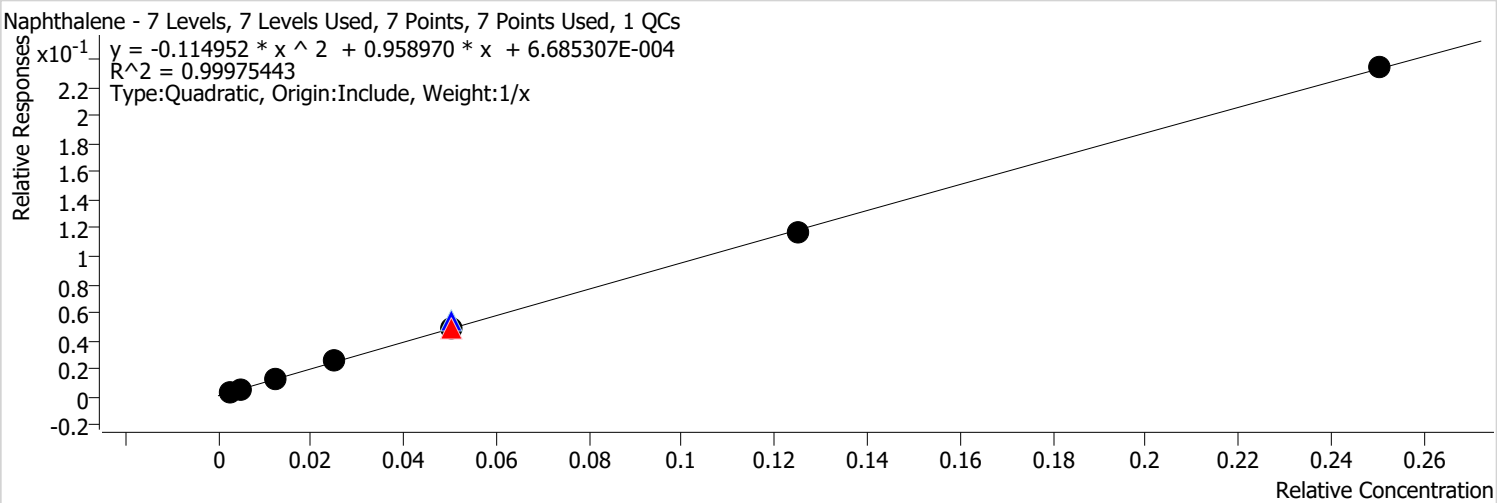
Nitrobenzene-d5 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	421	0.1000	0.9146	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	720	0.2000	0.6426	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	2019	0.5000	0.7501	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	4066	1.0000	0.7075	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	11789	2.0000	0.7329	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	10039	2.0000	0.8512	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	9281	2.0000	0.8346	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	29076	5.0000	0.9370	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	64945	10.0000	1.0995	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:13 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 3.3

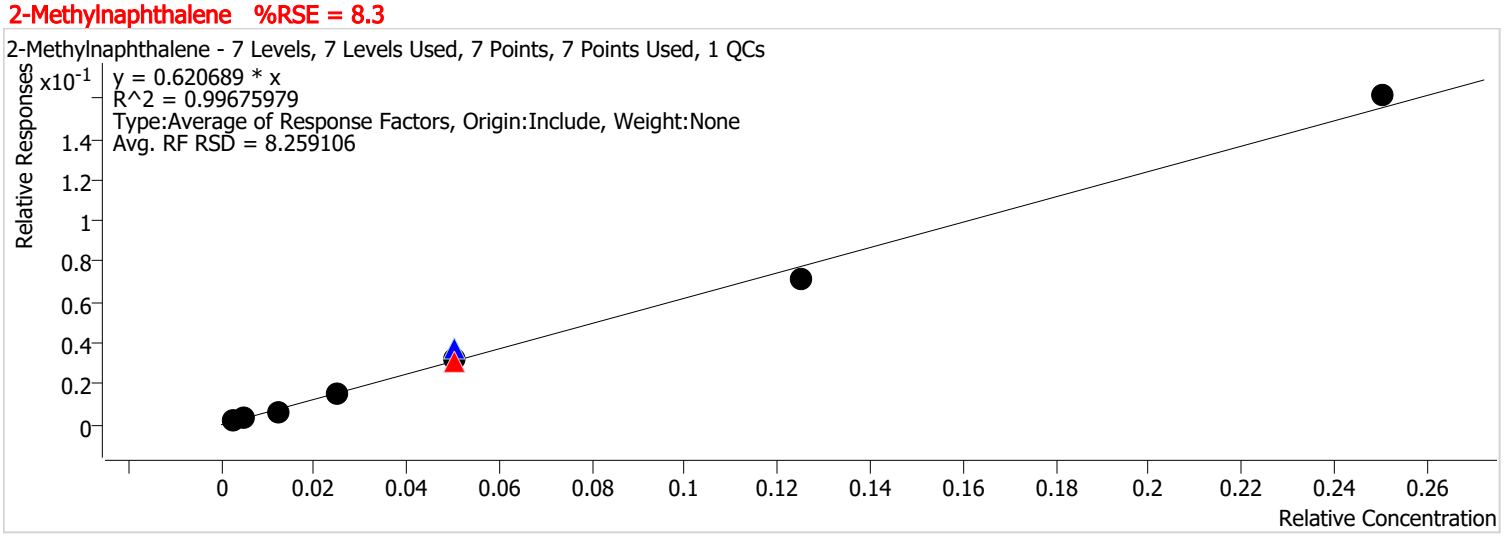


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	2684	0.1000	1.2368	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	4970	0.2000	1.0450	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	11850	0.5000	1.0160	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	24985	1.0000	1.0160	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	59244	2.0000	0.9723	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	56898	2.0000	1.0924	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	49829	2.0000	0.9787	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	123194	5.0000	0.9326	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	242945	10.0000	0.9364	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:13 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

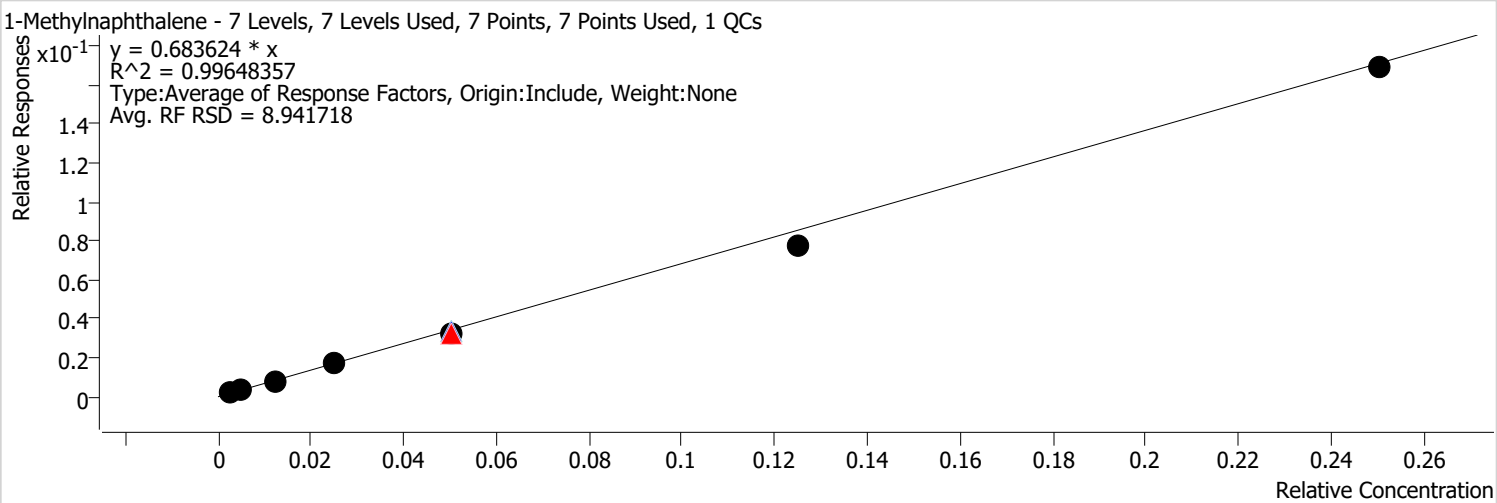
2-Methylnaphthalene %RSE = 8.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	1513	0.1000	0.6973	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	2961	0.2000	0.6225	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	6275	0.5000	0.5380	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	15572	1.0000	0.6332	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	37468	2.0000	0.6150	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	38687	2.0000	0.7428	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	32312	2.0000	0.6347	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	75902	5.0000	0.5746	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	167224	10.0000	0.6446	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:13 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

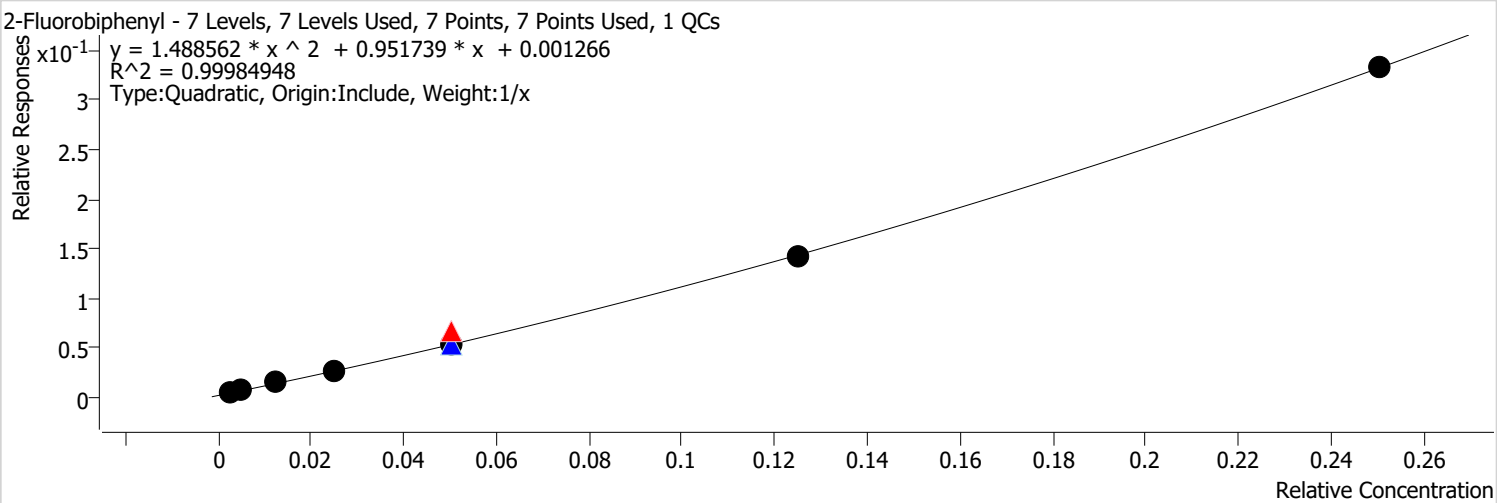
1-Methylnaphthalene %RSE = 8.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	1726	0.1000	0.7951	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	3331	0.2000	0.7004	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	7448	0.5000	0.6386	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	17675	1.0000	0.7187	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	40129	2.0000	0.6586	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	35829	2.0000	0.6879	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	32729	2.0000	0.6428	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	81237	5.0000	0.6150	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	175058	10.0000	0.6748	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:13 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

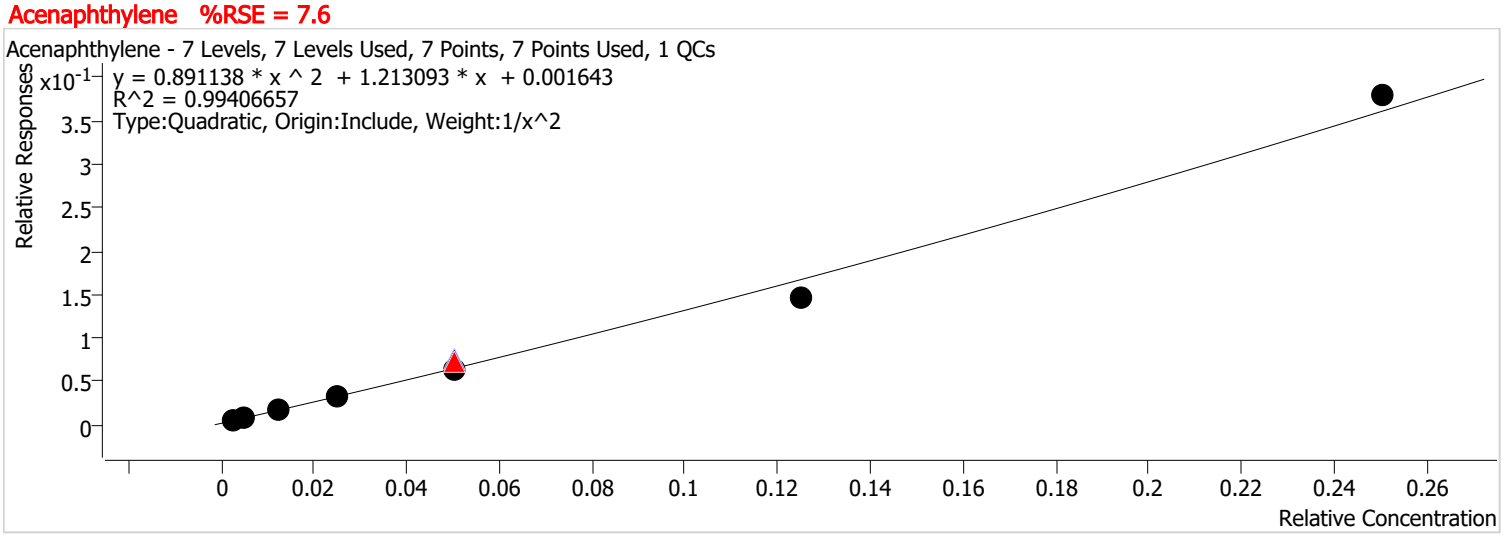
2-Fluorobiphenyl %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	2253	0.1000	1.4110	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	4042	0.2000	1.2004	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	9566	0.5000	1.1493	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	19247	1.0000	1.0324	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	56094	2.0000	1.3519	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	39464	2.0000	1.0617	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	38465	2.0000	1.0502	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	104743	5.0000	1.1395	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	231576	10.0000	1.3310	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

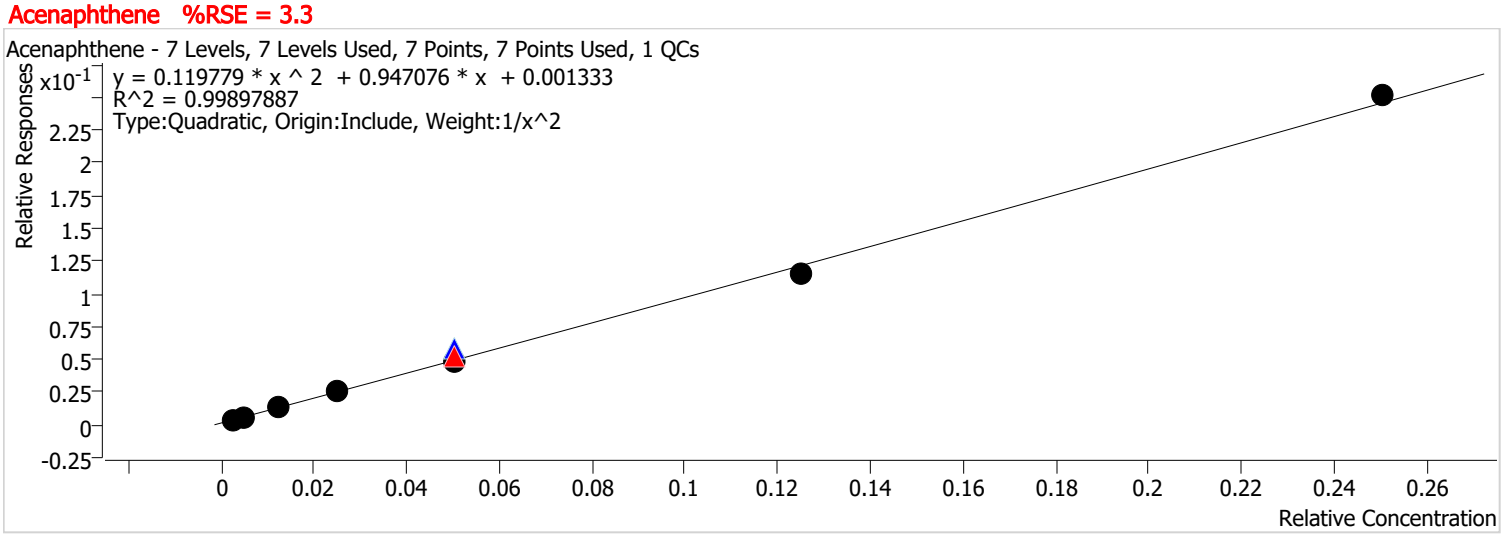
Acenaphthylene %RSE = 7.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	3000	0.1000	1.8787	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	5031	0.2000	1.4942	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	12015	0.5000	1.4436	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	25126	1.0000	1.3478	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	59824	2.0000	1.4418	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	55181	2.0000	1.4846	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	47249	2.0000	1.2900	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	108162	5.0000	1.1767	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	263576	10.0000	1.5149	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

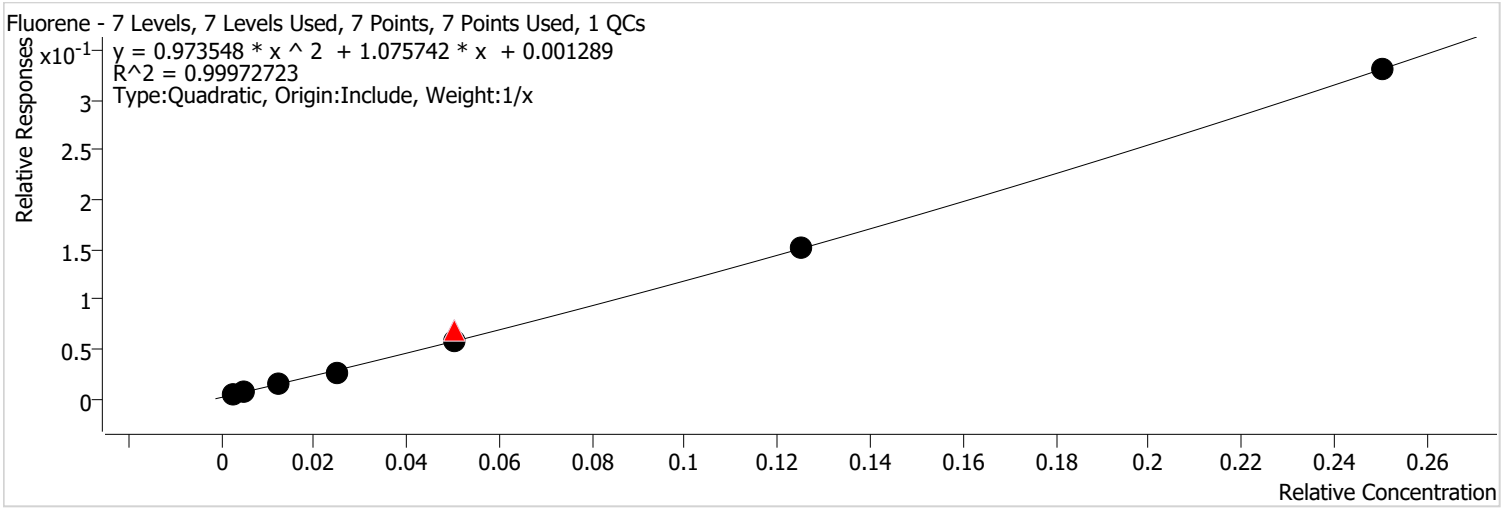
Acenaphthene %RSE = 3.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	2337	0.1000	1.4637	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	4182	0.2000	1.2420	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	8953	0.5000	1.0757	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	18721	1.0000	1.0042	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	43075	2.0000	1.0381	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	43441	2.0000	1.1687	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	35485	2.0000	0.9688	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	85368	5.0000	0.9288	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	174862	10.0000	1.0050	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

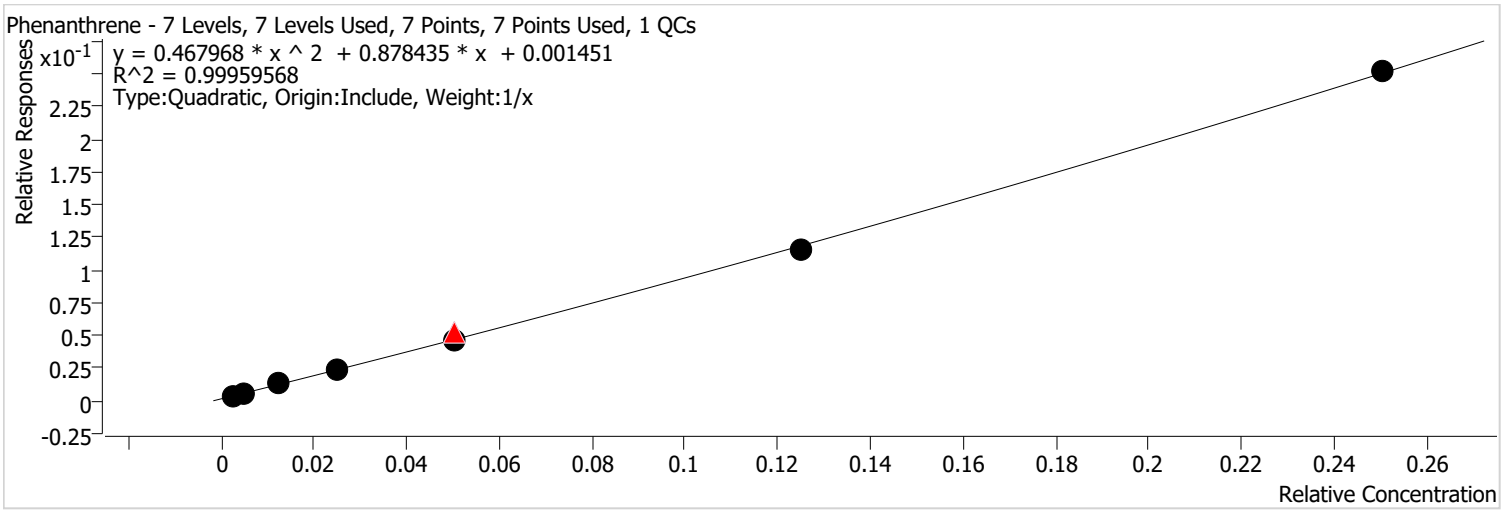
Fluorene %RSE = 4.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	2527	0.1000	1.5824	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	4576	0.2000	1.3589	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	10261	0.5000	1.2329	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	20113	1.0000	1.0789	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	56156	2.0000	1.3534	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	50791	2.0000	1.3665	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	42740	2.0000	1.1669	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	111595	5.0000	1.2141	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	230125	10.0000	1.3226	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

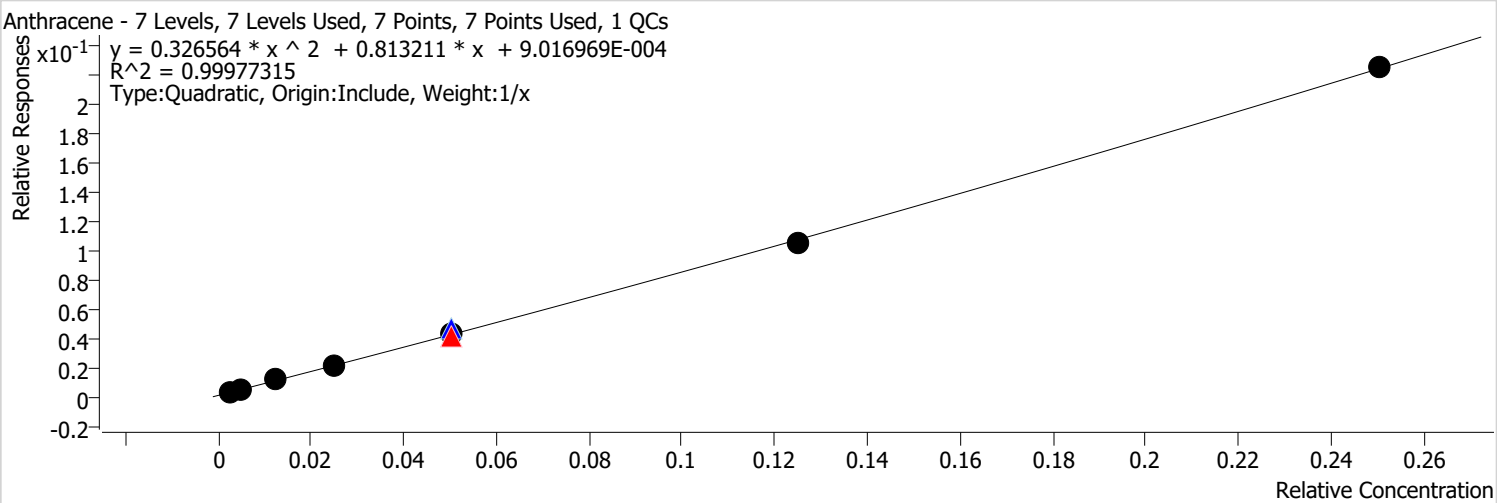
Phenanthrene %RSE = 4.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	4187	0.1000	1.4240	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	7065	0.2000	1.1341	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	15744	0.5000	1.0480	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	32714	1.0000	0.9800	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	78344	2.0000	1.0399	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	71338	2.0000	1.0574	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	61122	2.0000	0.9438	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	150919	5.0000	0.9241	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	310922	10.0000	1.0064	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

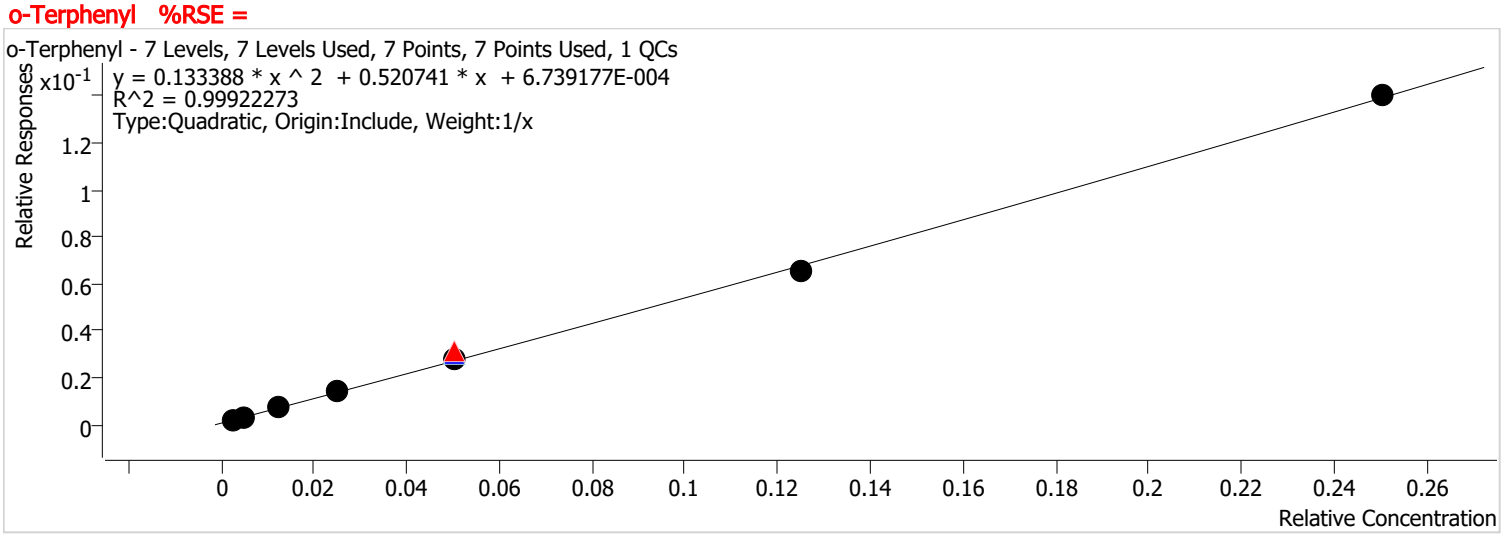
Anthracene %RSE = 4.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	3507	0.1000	1.1930	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	5826	0.2000	0.9353	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	13803	0.5000	0.9188	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	28916	1.0000	0.8662	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	63484	2.0000	0.8427	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	62160	2.0000	0.9214	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	55860	2.0000	0.8626	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	138311	5.0000	0.8469	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	278452	10.0000	0.9013	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

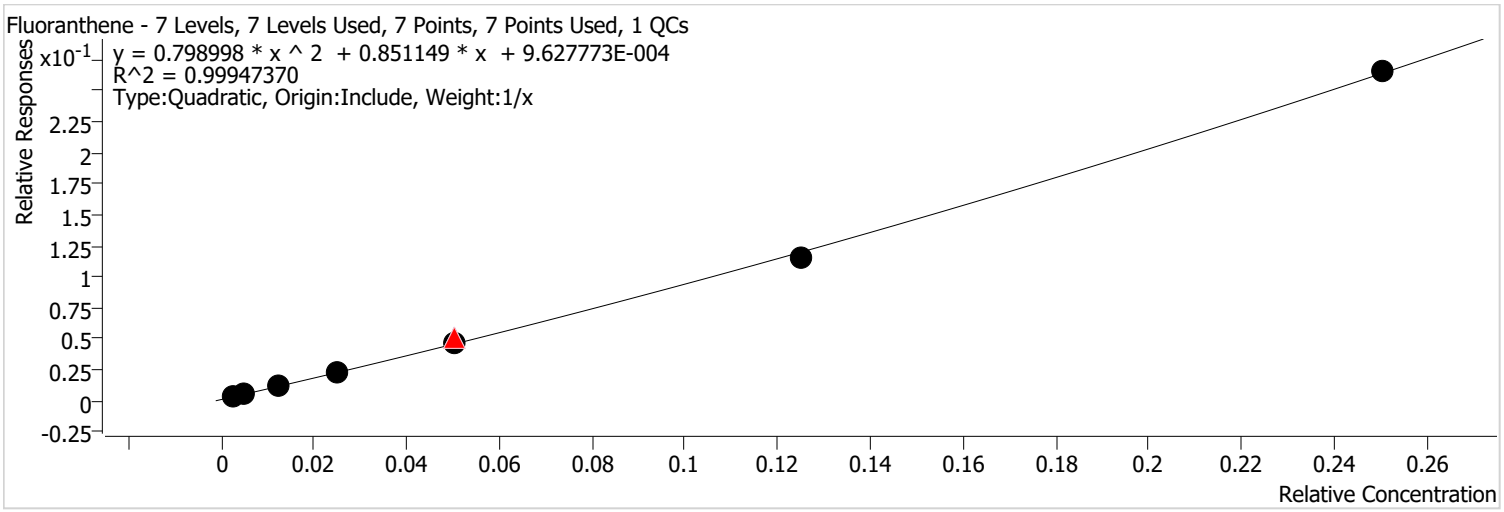
o-Terphenyl %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	2309	0.1000	0.7855	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	3941	0.2000	0.6326	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	8700	0.5000	0.5792	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	19023	1.0000	0.5699	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	46543	2.0000	0.6178	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	41045	2.0000	0.6084	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	36540	2.0000	0.5642	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	85349	5.0000	0.5226	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	173228	10.0000	0.5607	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

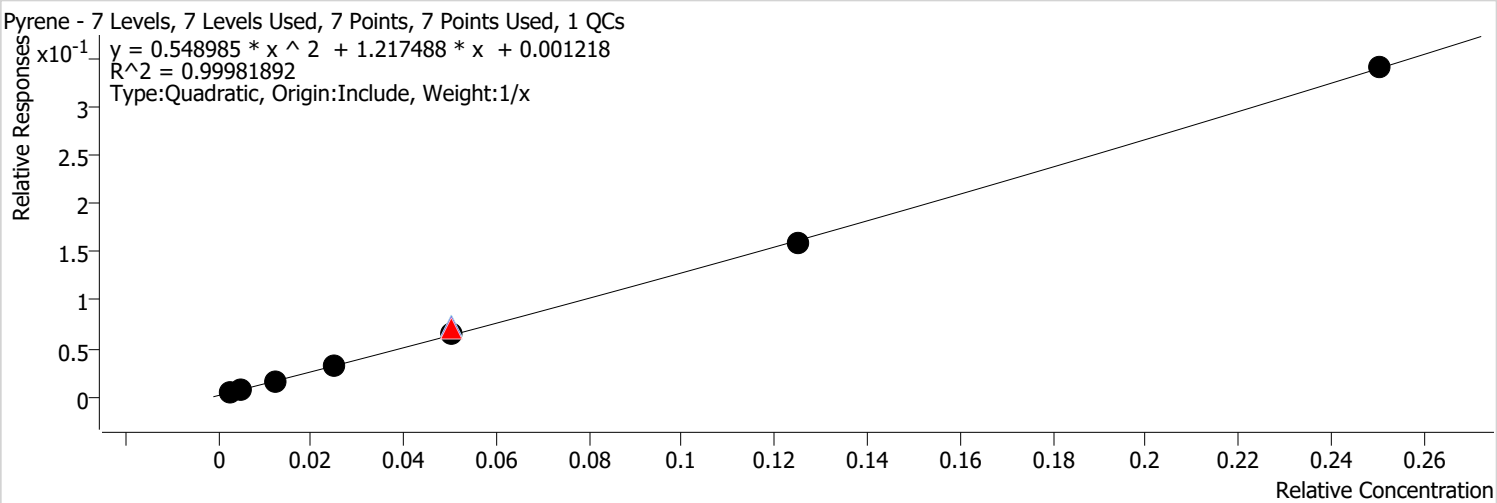
Fluoranthene %RSE = 4.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	3625	0.1000	1.2329	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	6213	0.2000	0.9974	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	14434	0.5000	0.9608	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	31143	1.0000	0.9329	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	76953	2.0000	1.0215	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	68514	2.0000	1.0155	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	61168	2.0000	0.9445	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	151611	5.0000	0.9283	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	327698	10.0000	1.0607	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

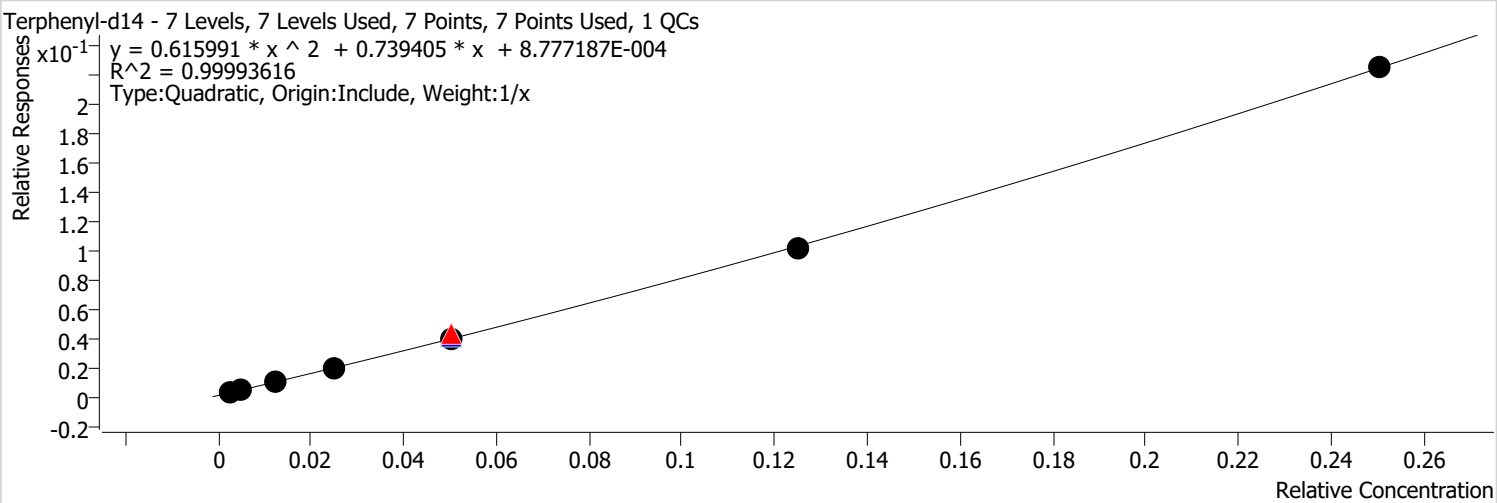
Pyrene %RSE = 2.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	4005	0.1000	1.7349	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	6987	0.2000	1.4292	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	15659	0.5000	1.2946	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	34637	1.0000	1.2973	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	88953	2.0000	1.4170	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	77595	2.0000	1.4581	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	68912	2.0000	1.3011	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	166252	5.0000	1.2760	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	350347	10.0000	1.3632	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

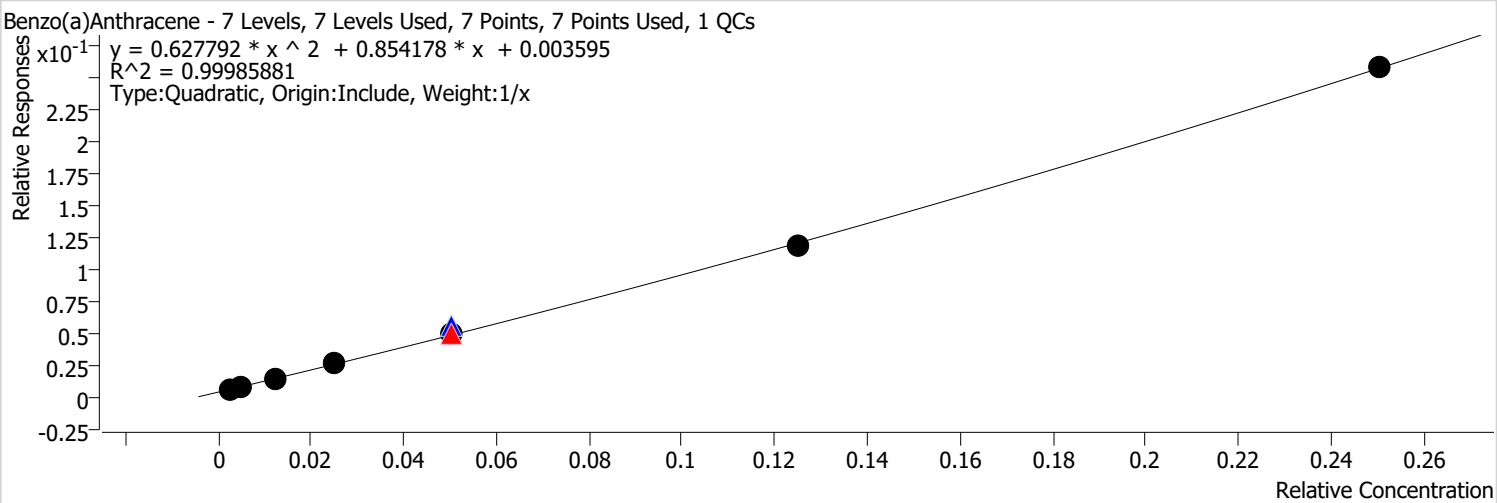
Terphenyl-d14 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	2564	0.1000	1.1106	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	4301	0.2000	0.8797	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	10012	0.5000	0.8277	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	21325	1.0000	0.7987	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	53733	2.0000	0.8560	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	43553	2.0000	0.8184	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	42029	2.0000	0.7935	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	106431	5.0000	0.8168	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	230845	10.0000	0.8982	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

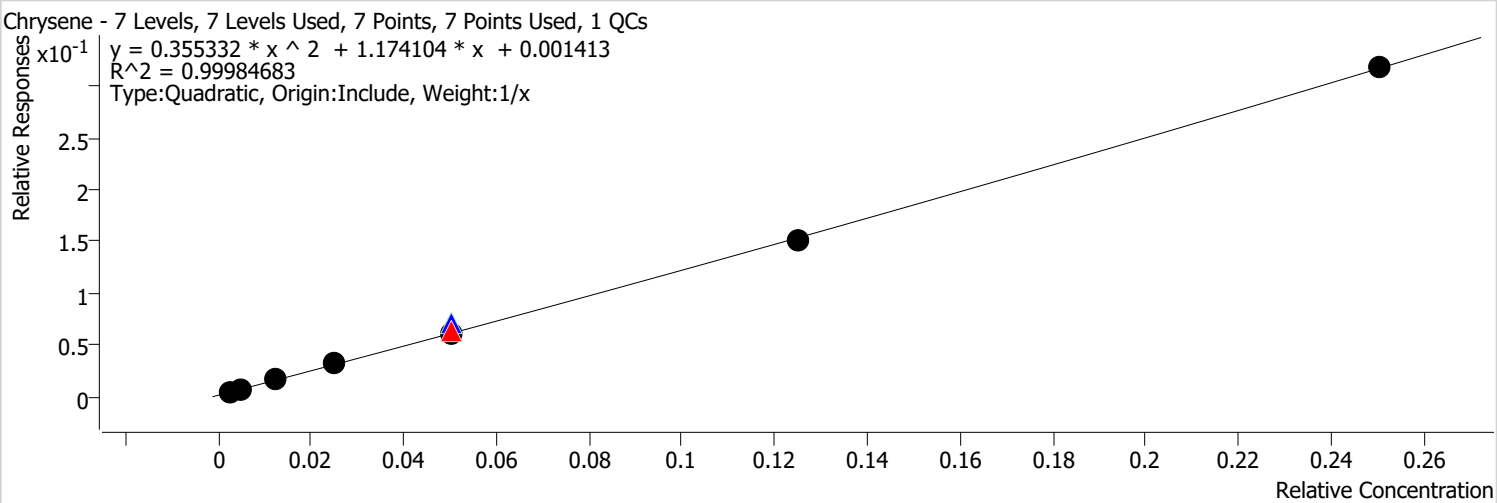
Benzo(a)Anthracene %RSE = 4.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	5343	0.1000	2.3146	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	7411	0.2000	1.5160	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	14217	0.5000	1.1753	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	27451	1.0000	1.0282	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	63037	2.0000	1.0042	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	59353	2.0000	1.1153	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	51152	2.0000	0.9658	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	123762	5.0000	0.9499	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	264164	10.0000	1.0279	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

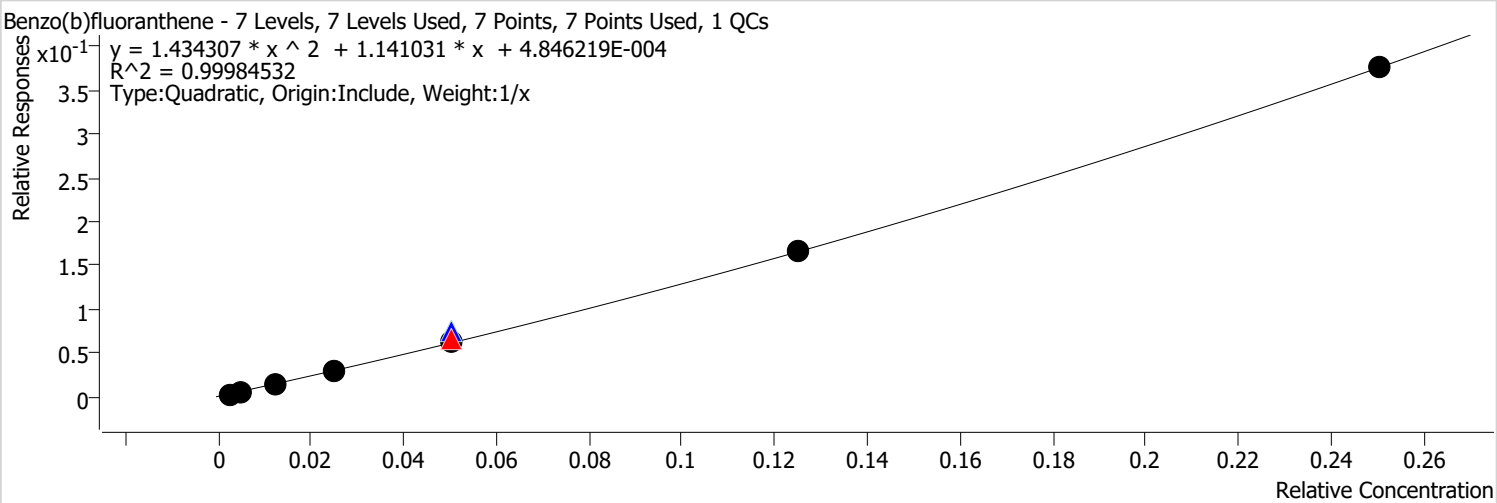
Chrysene %RSE = 3.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	3938	0.1000	1.7061	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	6977	0.2000	1.4271	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	16184	0.5000	1.3380	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	34032	1.0000	1.2747	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	78526	2.0000	1.2509	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	76086	2.0000	1.4298	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	64350	2.0000	1.2150	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	158366	5.0000	1.2154	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	326890	10.0000	1.2719	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

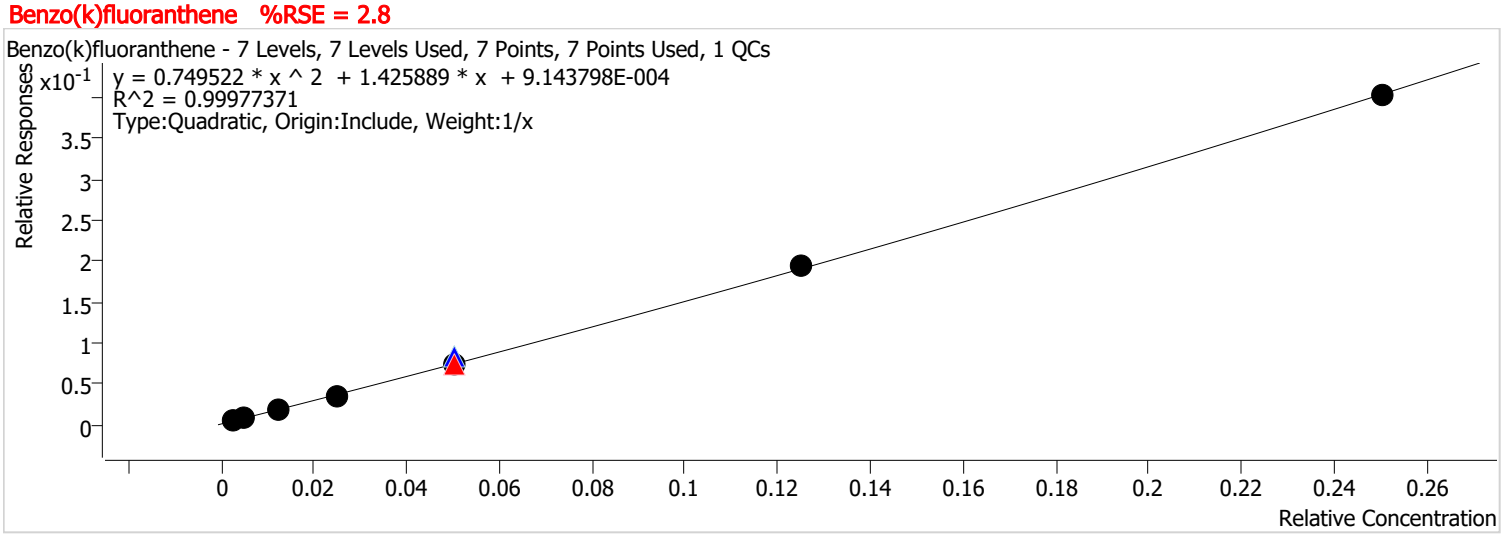
Benzo(b)fluoranthene %RSE = 4.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	2079	0.1000	1.4129	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	3699	0.2000	1.2194	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	8399	0.5000	1.1196	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	20374	1.0000	1.2069	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	53449	2.0000	1.3058	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	49458	2.0000	1.4869	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	42687	2.0000	1.2457	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	109990	5.0000	1.3194	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	248313	10.0000	1.5019	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

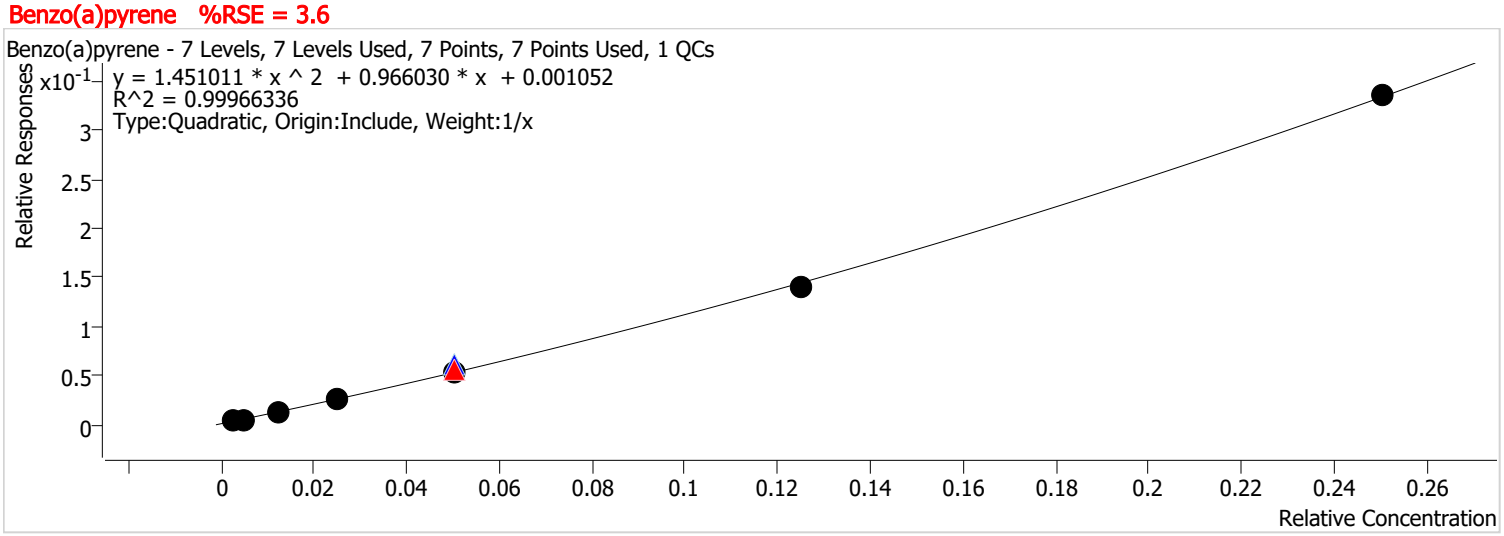
Benzo(k)fluoranthene %RSE = 2.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	2719	0.1000	1.8478	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	4870	0.2000	1.6054	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	11306	0.5000	1.5072	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	24241	1.0000	1.4359	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	59345	2.0000	1.4499	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	56334	2.0000	1.6936	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	49891	2.0000	1.4559	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	129904	5.0000	1.5583	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	266277	10.0000	1.6106	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

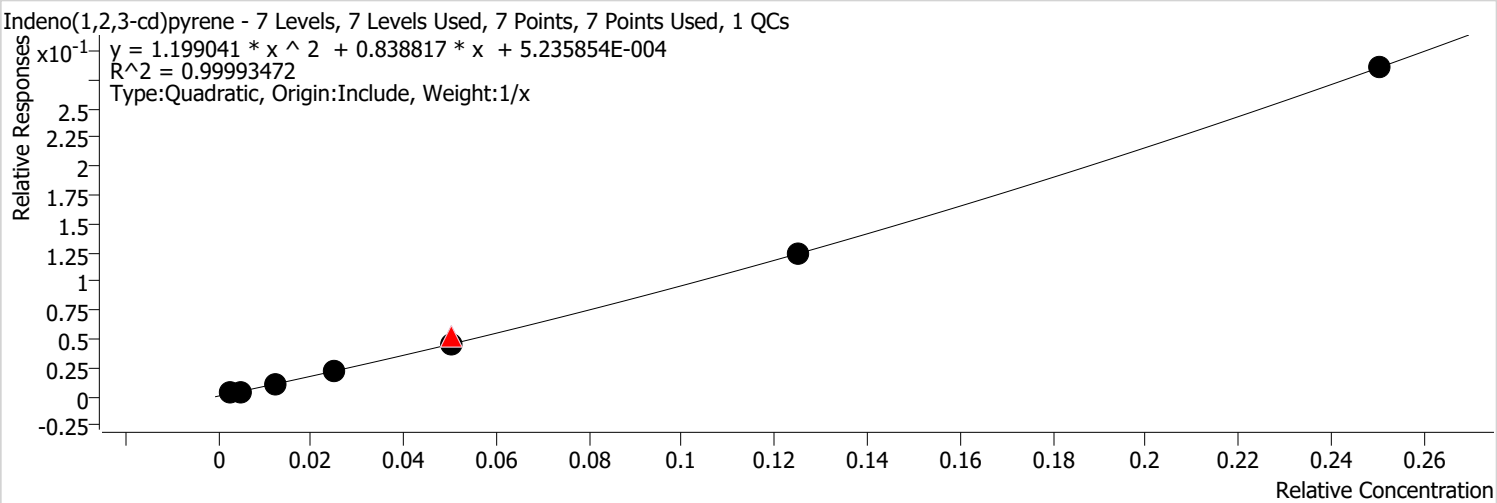
Benzo(a)pyrene %RSE = 3.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	2000	0.1000	1.3592	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	3515	0.2000	1.1585	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	8072	0.5000	1.0760	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	18523	1.0000	1.0972	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	45919	2.0000	1.1219	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	40666	2.0000	1.2226	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	36965	2.0000	1.0787	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	93892	5.0000	1.1263	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	221392	10.0000	1.3391	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

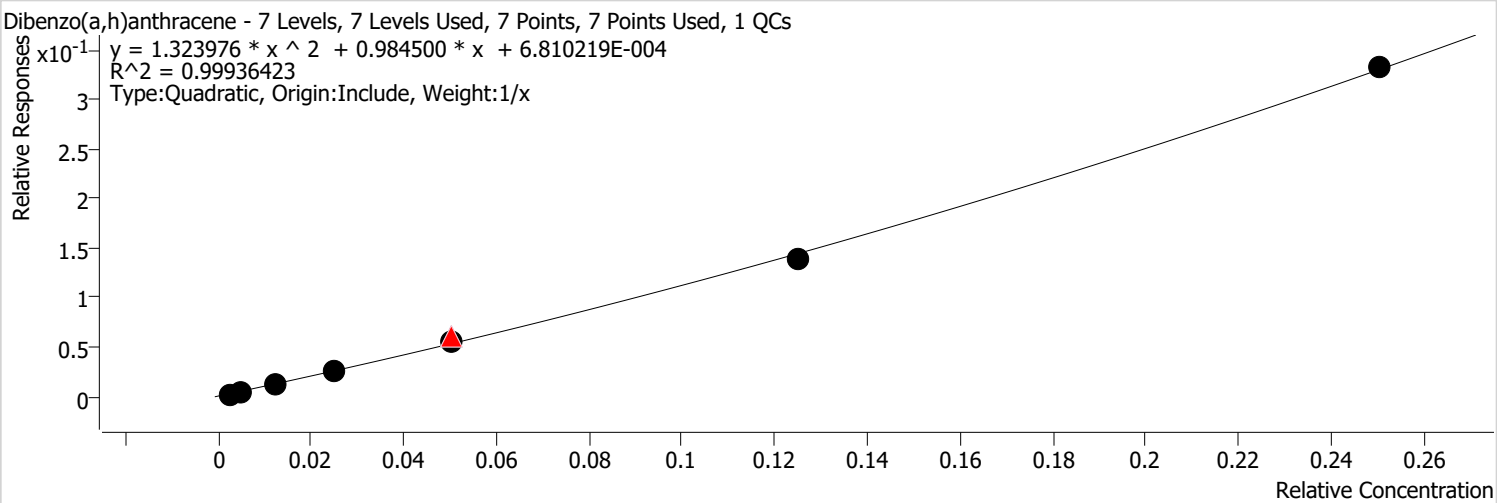
Indeno(1,2,3-cd)pyrene %RSE = 3.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	1597	0.1000	1.0855	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	2722	0.2000	0.8973	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	6755	0.5000	0.9004	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	15374	1.0000	0.9107	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	42845	2.0000	1.0468	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	34438	2.0000	1.0353	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	30927	2.0000	0.9025	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	82654	5.0000	0.9915	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	188658	10.0000	1.1411	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:14 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Dibenzo(a,h)anthracene %RSE = 5.3

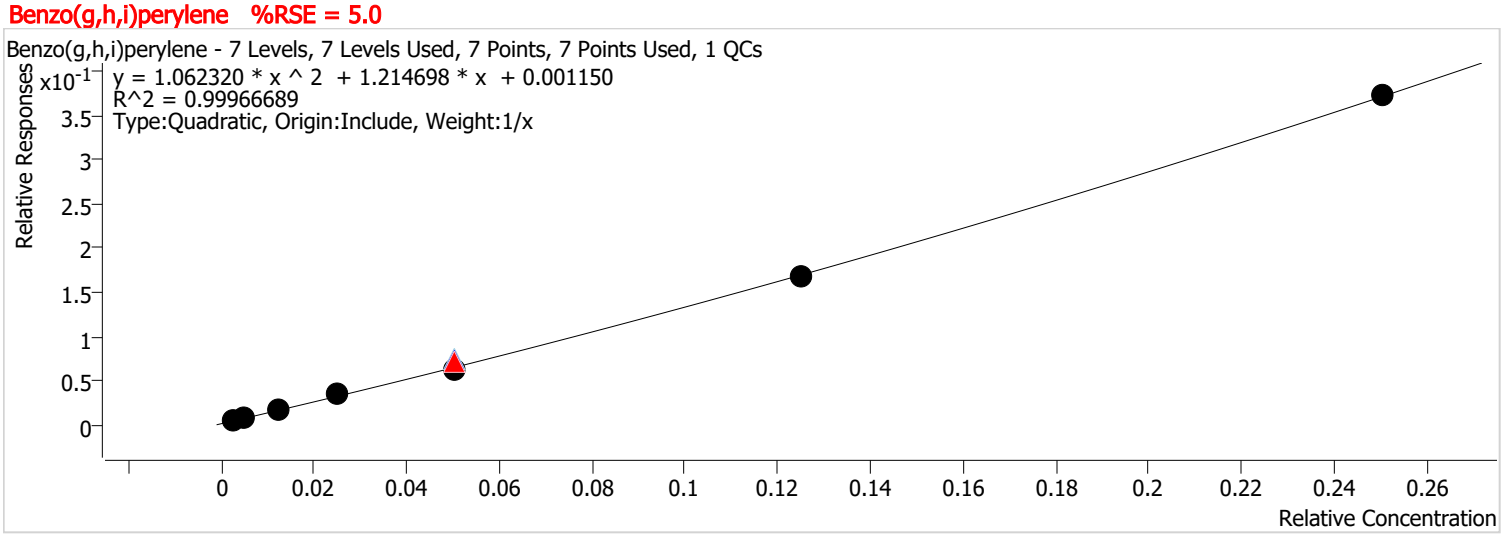


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	1774	0.1000	1.2059	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	3291	0.2000	1.0849	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	8313	0.5000	1.1081	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	18367	1.0000	1.0880	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	49403	2.0000	1.2070	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	39673	2.0000	1.1928	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	37654	2.0000	1.0988	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	92810	5.0000	1.1133	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	219368	10.0000	1.3268	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:17:15 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo(g,h,i)perylene %RSE = 5.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	Calibration	1	x	2349	0.1000	1.5962	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	Calibration	2	x	4391	0.2000	1.4473	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	Calibration	3	x	10198	0.5000	1.3594	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	Calibration	4	x	23085	1.0000	1.3674	
\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	CC	CCV	x	58321	2.0000	1.4249	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1609.D	QC	ICV	x	49203	2.0000	1.4793	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	Calibration	5	x	43515	2.0000	1.2698	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	Calibration	6	x	111472	5.0000	1.3372	
\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	Calibration	7	x	246296	10.0000	1.4897	

Method Path
Method File
Batch Name \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin
Last Calib Update 2/17/2022 8:48:03 AM

Level Name	Calibration Files	Acq. Date-Time	Level Last Update Time
7	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	2/16/2022 1:04:23 PM	2/17/2022 8:48:03 AM
6	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	2/16/2022 1:36:47 PM	2/17/2022 8:48:03 AM
5	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	2/16/2022 2:09:22 PM	2/17/2022 8:48:03 AM
4	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	2/16/2022 2:41:46 PM	2/17/2022 8:48:03 AM
3	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	2/16/2022 3:14:11 PM	2/17/2022 8:48:03 AM
2	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	2/16/2022 3:46:33 PM	2/17/2022 8:48:03 AM
1	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	2/16/2022 4:18:59 PM	2/17/2022 8:48:03 AM

Compound	Curve Fit	7	6	5	4	3	2	1	Avg RF	%RSD
I 1,4-Dichlorobenzene-d4				---------- ISTD ----------						
S Nitrobenzene-d5	Quadratic	1.0995	0.9370	0.8346	0.7075	0.7501	0.6426	0.9146	0.8409	18.612
I Naphthalene-d8				---------- ISTD ----------						
T Naphthalene	Quadratic	0.9364	0.9326	0.9787	1.0160	1.0160	1.0450	1.2368	1.0231	10.090
T 2-Methylnaphthalene	Avg RF	0.6446	0.5746	0.6347	0.6332	0.5380	0.6225	0.6973	0.6207	8.259
T 1-Methylnaphthalene	Avg RF	0.6748	0.6150	0.6428	0.7187	0.6386	0.7004	0.7951	0.6836	8.942
I Acenaphthene-d10				---------- ISTD ----------						
S 2-Fluorobiphenyl	Quadratic	1.3310	1.1395	1.0502	1.0324	1.1493	1.2004	1.4110	1.1877	11.777
T Acenaphthylene	Quadratic	1.5149	1.1767	1.2900	1.3478	1.4436	1.4942	1.8787	1.4494	15.445
T Acenaphthene	Quadratic	1.0050	0.9288	0.9688	1.0042	1.0757	1.2420	1.4637	1.0983	17.345
T Fluorene	Quadratic	1.3226	1.2141	1.1669	1.0789	1.2329	1.3589	1.5824	1.2795	12.735
I Phenanthrene-d10				---------- ISTD ----------						
T Phenanthrene	Quadratic	1.0064	0.9241	0.9438	0.9800	1.0480	1.1341	1.4240	1.0658	16.214
T Anthracene	Quadratic	0.9013	0.8469	0.8626	0.8662	0.9188	0.9353	1.1930	0.9320	12.817
S o-Terphenyl	Quadratic	0.5607	0.5226	0.5642	0.5699	0.5792	0.6326	0.7855	0.6021	14.477
T Fluoranthene	Quadratic	1.0607	0.9283	0.9445	0.9329	0.9608	0.9974	1.2329	1.0082	10.844
I Chrysene-d12				---------- ISTD ----------						
T Pyrene	Quadratic	1.3632	1.2760	1.3011	1.2973	1.2946	1.4292	1.7349	1.3852	11.777
S Terphenyl-d14	Quadratic	0.8982	0.8168	0.7935	0.7987	0.8277	0.8797	1.1106	0.8751	12.704
T Benzo(a)Anthracene	Quadratic	1.0279	0.9499	0.9658	1.0282	1.1753	1.5160	2.3146	1.2825	38.615
T Chrysene	Quadratic	1.2719	1.2154	1.2150	1.2747	1.3380	1.4271	1.7061	1.3497	12.868
I Perylene-d12				---------- ISTD ----------						
T Benzo(b)fluoranthene	Quadratic	1.5019	1.3194	1.2457	1.2069	1.1196	1.2194	1.4129	1.2894	10.199
T Benzo(k)fluoranthene	Quadratic	1.6106	1.5583	1.4559	1.4359	1.5072	1.6054	1.8478	1.5744	8.794
T Benzo(a)pyrene	Quadratic	1.3391	1.1263	1.0787	1.0972	1.0760	1.1585	1.3592	1.1764	10.329
T Indeno(1,2,3-cd)pyrene	Quadratic	1.1411	0.9915	0.9025	0.9107	0.9004	0.8973	1.0855	0.9756	10.340
T Dibenzo(a,h)anthracene	Quadratic	1.3268	1.1133	1.0988	1.0880	1.1081	1.0849	1.2059	1.1466	7.810

Compound	Curve Fit	7	6	5	4	3	2	1	Avg RF	%RSD
T Benzo(g,h,i)perylene	Quadratic	1.4897	1.3372	1.2698	1.3674	1.3594	1.4473	1.5962	1.4096	7.758

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Compounds with Curve fitting not using Avg Response Factor:

Compound	Curve Fit	Curve Fit Formula	Curve Fit R2
S Nitrobenzene-d5	Quadratic	y = 1.456562 * x ^ 2 + 0.739213 * x + 3.575903E-005	0.999284
T Naphthalene	Quadratic	y = -0.114952 * x ^ 2 + 0.958970 * x + 6.685307E-004	0.999754
S 2-Fluorobiphenyl	Quadratic	y = 1.488562 * x ^ 2 + 0.951739 * x + 0.001266	0.999849
T Acenaphthylene	Quadratic	y = 0.891138 * x ^ 2 + 1.213093 * x + 0.001643	0.994067
T Acenaphthene	Quadratic	y = 0.119779 * x ^ 2 + 0.947076 * x + 0.001333	0.998979
T Fluorene	Quadratic	y = 0.973548 * x ^ 2 + 1.075742 * x + 0.001289	0.999727
T Phenanthrene	Quadratic	y = 0.467968 * x ^ 2 + 0.878435 * x + 0.001451	0.999596
T Anthracene	Quadratic	y = 0.326564 * x ^ 2 + 0.813211 * x + 9.016969E-004	0.999773
S o-Terphenyl	Quadratic	y = 0.133388 * x ^ 2 + 0.520741 * x + 6.739177E-004	0.999223
T Fluoranthene	Quadratic	y = 0.798998 * x ^ 2 + 0.851149 * x + 9.627773E-004	0.999474
T Pyrene	Quadratic	y = 0.548985 * x ^ 2 + 1.217488 * x + 0.001218	0.999819
S Terphenyl-d14	Quadratic	y = 0.615991 * x ^ 2 + 0.739405 * x + 8.777187E-004	0.999936
T Benzo(a)Anthracene	Quadratic	y = 0.627792 * x ^ 2 + 0.854178 * x + 0.003595	0.999859
T Chrysene	Quadratic	y = 0.355332 * x ^ 2 + 1.174104 * x + 0.001413	0.999847
T Benzo(b)fluoranthene	Quadratic	y = 1.434307 * x ^ 2 + 1.141031 * x + 4.846219E-004	0.999845
T Benzo(k)fluoranthene	Quadratic	y = 0.749522 * x ^ 2 + 1.425889 * x + 9.143798E-004	0.999774
T Benzo(a)pyrene	Quadratic	y = 1.451011 * x ^ 2 + 0.966030 * x + 0.001052	0.999663
T Indeno(1,2,3-cd)pyrene	Quadratic	y = 1.199041 * x ^ 2 + 0.838817 * x + 5.235854E-004	0.999935
T Dibenzo(a,h)anthracene	Quadratic	y = 1.323976 * x ^ 2 + 0.984500 * x + 6.810219E-004	0.999364
T Benzo(g,h,i)perylene	Quadratic	y = 1.062320 * x ^ 2 + 1.214698 * x + 0.001150	0.999667

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Quantitative Analysis Results Summary Report

Agilent | Trusted Answers

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin		
Analysis Time	2/17/2022 11:11 AM	**Analyst Name**	BL2000\jheine
Report Time	2/17/2022 11:21:20 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/17/2022 8:48 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Sequence Table

Data File	sample Name	Sample Type	Vial Position	Inj Vol	Level	Acq Method File
Feb1602.D	16-Feb-22_CAL_7	Cal	2	0.1	7	5975BNASIM
Feb1603.D	16-Feb-22_CAL_6	Cal	3	0.1	6	5975BNASIM
Feb1604.D	16-Feb-22_CAL_5	Cal	4	0.1	5	5975BNASIM
Feb1605.D	16-Feb-22_CAL_4	Cal	5	0.1	4	5975BNASIM
Feb1606.D	16-Feb-22_CAL_3	Cal	6	0.1	3	5975BNASIM
Feb1607.D	16-Feb-22_CAL_2	Cal	7	0.1	2	5975BNASIM
Feb1608.D	16-Feb-22_CAL_1	Cal	8	0.1	1	5975BNASIM
Feb1609.D	16-Feb-22_CCV_9	QC	9	0.1	ICV	5975BNASIM

Quantitation Results

Compound: Nitrobenzene-d5

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	1,4-Dichlorobenzene-d4	5.131	64945	236270	0.2749	9.9728	10.0000	99.7
Feb1603.D	Calibration	1,4-Dichlorobenzene-d4	5.131	29076	248238	0.1171	5.0700	5.0000	101.4
Feb1604.D	Calibration	1,4-Dichlorobenzene-d4	5.143	9281	222406	0.0417	2.0492	2.0000	102.5
Feb1605.D	Calibration	1,4-Dichlorobenzene-d4	5.156	4066	229900	0.0177	0.9140	1.0000	91.4
Feb1606.D	Calibration	1,4-Dichlorobenzene-d4	5.156	2019	215345	0.0094	0.4934	0.5000	98.7
Feb1607.D	Calibration	1,4-Dichlorobenzene-d4	5.168	720	224215	0.0032	0.1705	0.2000	85.2
Feb1608.D	Calibration	1,4-Dichlorobenzene-d4	5.193	421	183966	0.0023	0.1211	0.1000	121.1
Feb1609.D	QC	1,4-Dichlorobenzene-d4	5.143	10039	235875	0.0426	2.0866	2.0000	104.3

Compound: Naphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Naphthalene-d8	5.953	242945	1037742	0.2341	10.0392	10.0000	100.4
Feb1603.D	Calibration	Naphthalene-d8	5.953	123194	1056797	0.1166	4.9067	5.0000	98.1
Feb1604.D	Calibration	Naphthalene-d8	5.953	49829	1018242	0.0489	2.0256	2.0000	101.3
Feb1605.D	Calibration	Naphthalene-d8	5.953	24985	983695	0.0254	1.0348	1.0000	103.5
Feb1606.D	Calibration	Naphthalene-d8	5.953	11850	933132	0.0127	0.5026	0.5000	100.5
Feb1607.D	Calibration	Naphthalene-d8	5.953	4970	951228	0.0052	0.1902	0.2000	95.1
Feb1608.D	Calibration	Naphthalene-d8	5.953	2684	868120	0.0031	0.1011	0.1000	101.1
Feb1609.D	QC	Naphthalene-d8	5.953	56898	1041677	0.0546	2.2658	2.0000	113.3

Compound: 2-Methylnaphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Naphthalene-d8	6.778	167224	1037742	0.1611	10.3848	10.0000	103.8
Feb1603.D	Calibration	Naphthalene-d8	6.790	75902	1056797	0.0718	4.6286	5.0000	92.6
Feb1604.D	Calibration	Naphthalene-d8	6.790	32312	1018242	0.0317	2.0451	2.0000	102.3

Compound: 2-Methylnaphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1605.D	Calibration	Naphthalene-d8	6.790	15572	983695	0.0158	1.0202	1.0000	102.0
Feb1606.D	Calibration	Naphthalene-d8	6.802	6275	933132	0.0067	0.4334	0.5000	86.7
Feb1607.D	Calibration	Naphthalene-d8	6.802	2961	951228	0.0031	0.2006	0.2000	100.3
Feb1608.D	Calibration	Naphthalene-d8	6.815	1513	868120	0.0017	0.1124	0.1000	112.4
Feb1609.D	QC	Naphthalene-d8	6.790	38687	1041677	0.0371	2.3934	2.0000	119.7

Compound: 1-Methylnaphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Naphthalene-d8	6.890	175058	1037742	0.1687	9.8704	10.0000	98.7
Feb1603.D	Calibration	Naphthalene-d8	6.890	81237	1056797	0.0769	4.4979	5.0000	90.0
Feb1604.D	Calibration	Naphthalene-d8	6.902	32729	1018242	0.0321	1.8807	2.0000	94.0
Feb1605.D	Calibration	Naphthalene-d8	6.902	17675	983695	0.0180	1.0514	1.0000	105.1
Feb1606.D	Calibration	Naphthalene-d8	6.902	7448	933132	0.0080	0.4670	0.5000	93.4
Feb1607.D	Calibration	Naphthalene-d8	6.915	3331	951228	0.0035	0.2049	0.2000	102.5
Feb1608.D	Calibration	Naphthalene-d8	6.915	1726	868120	0.0020	0.1163	0.1000	116.3
Feb1609.D	QC	Naphthalene-d8	6.902	35829	1041677	0.0344	2.0125	2.0000	100.6

Compound: 2-Fluorobiphenyl

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Acenaphthene-d10	7.252	231576	695955	0.3327	10.0120	10.0000	100.1
Feb1603.D	Calibration	Acenaphthene-d10	7.252	104743	735335	0.1424	4.9682	5.0000	99.4
Feb1604.D	Calibration	Acenaphthene-d10	7.265	38465	732530	0.0525	1.9977	2.0000	99.9
Feb1605.D	Calibration	Acenaphthene-d10	7.265	19247	745688	0.0258	0.9930	1.0000	99.3
Feb1606.D	Calibration	Acenaphthene-d10	7.265	9566	665824	0.0144	0.5392	0.5000	107.8
Feb1607.D	Calibration	Acenaphthene-d10	7.264	4042	673430	0.0060	0.1975	0.2000	98.8
Feb1608.D	Calibration	Acenaphthene-d10	7.265	2253	638648	0.0035	0.0947	0.1000	94.7
Feb1609.D	QC	Acenaphthene-d10	7.264	39464	743394	0.0531	2.0186	2.0000	100.9

Compound: Acenaphthylene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Acenaphthene-d10	7.826	263576	695955	0.3787	10.4343	10.0000	104.3
Feb1603.D	Calibration	Acenaphthene-d10	7.826	108162	735335	0.1471	4.4348	5.0000	88.7
Feb1604.D	Calibration	Acenaphthene-d10	7.826	47249	732530	0.0645	1.9993	2.0000	100.0
Feb1605.D	Calibration	Acenaphthene-d10	7.826	25126	745688	0.0337	1.0371	1.0000	103.7
Feb1606.D	Calibration	Acenaphthene-d10	7.826	12015	665824	0.0180	0.5356	0.5000	107.1
Feb1607.D	Calibration	Acenaphthene-d10	7.826	5031	673430	0.0075	0.1915	0.2000	95.7
Feb1608.D	Calibration	Acenaphthene-d10	7.826	3000	638648	0.0047	0.1005	0.1000	100.5
Feb1609.D	QC	Acenaphthene-d10	7.826	55181	743394	0.0742	2.2966	2.0000	114.8

Compound: Acenaphthene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Acenaphthene-d10	8.038	174862	695955	0.2513	10.2249	10.0000	102.2

Compound: Acenaphthene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1603.D	Calibration	Acenaphthene-d10	8.038	85368	735335	0.1161	4.7749	5.0000	95.5
Feb1604.D	Calibration	Acenaphthene-d10	8.038	35485	732530	0.0484	1.9773	2.0000	98.9
Feb1605.D	Calibration	Acenaphthene-d10	8.038	18721	745688	0.0251	1.0009	1.0000	100.1
Feb1606.D	Calibration	Acenaphthene-d10	8.038	8953	665824	0.0134	0.5108	0.5000	102.2
Feb1607.D	Calibration	Acenaphthene-d10	8.038	4182	673430	0.0062	0.2058	0.2000	102.9
Feb1608.D	Calibration	Acenaphthene-d10	8.038	2337	638648	0.0037	0.0982	0.1000	98.2
Feb1609.D	QC	Acenaphthene-d10	8.038	43441	743394	0.0584	2.3936	2.0000	119.7

Compound: Fluorene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Acenaphthene-d10	8.661	230125	695955	0.3307	9.9895	10.0000	99.9
Feb1603.D	Calibration	Acenaphthene-d10	8.661	111595	735335	0.1518	5.0240	5.0000	100.5
Feb1604.D	Calibration	Acenaphthene-d10	8.661	42740	732530	0.0583	2.0285	2.0000	101.4
Feb1605.D	Calibration	Acenaphthene-d10	8.673	20113	745688	0.0270	0.9352	1.0000	93.5
Feb1606.D	Calibration	Acenaphthene-d10	8.674	10261	665824	0.0154	0.5190	0.5000	103.8
Feb1607.D	Calibration	Acenaphthene-d10	8.673	4576	673430	0.0068	0.2038	0.2000	101.9
Feb1608.D	Calibration	Acenaphthene-d10	8.686	2527	638648	0.0040	0.0990	0.1000	99.0
Feb1609.D	QC	Acenaphthene-d10	8.661	50791	743394	0.0683	2.3660	2.0000	118.3

Compound: Phenanthrene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Phenanthrene-d10	9.780	310922	1235766	0.2516	10.0465	10.0000	100.5
Feb1603.D	Calibration	Phenanthrene-d10	9.793	150919	1306531	0.1155	4.8770	5.0000	97.5
Feb1604.D	Calibration	Phenanthrene-d10	9.793	61122	1295201	0.0472	2.0280	2.0000	101.4
Feb1605.D	Calibration	Phenanthrene-d10	9.793	32714	1335284	0.0245	1.0352	1.0000	103.5
Feb1606.D	Calibration	Phenanthrene-d10	9.793	15744	1201802	0.0131	0.5267	0.5000	105.3
Feb1607.D	Calibration	Phenanthrene-d10	9.792	7065	1245859	0.0057	0.1916	0.2000	95.8
Feb1608.D	Calibration	Phenanthrene-d10	9.793	4187	1176030	0.0036	0.0959	0.1000	95.9
Feb1609.D	QC	Phenanthrene-d10	9.793	71338	1349297	0.0529	2.2726	2.0000	113.6

Compound: Anthracene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Phenanthrene-d10	9.855	278452	1235766	0.2253	10.0292	10.0000	100.3
Feb1603.D	Calibration	Phenanthrene-d10	9.854	138311	1306531	0.1059	4.9197	5.0000	98.4
Feb1604.D	Calibration	Phenanthrene-d10	9.854	55860	1295201	0.0431	2.0354	2.0000	101.8
Feb1605.D	Calibration	Phenanthrene-d10	9.854	28916	1335284	0.0217	1.0106	1.0000	101.1
Feb1606.D	Calibration	Phenanthrene-d10	9.854	13803	1201802	0.0115	0.5179	0.5000	103.6
Feb1607.D	Calibration	Phenanthrene-d10	9.854	5826	1245859	0.0047	0.1853	0.2000	92.7
Feb1608.D	Calibration	Phenanthrene-d10	9.854	3507	1176030	0.0030	0.1022	0.1000	102.2
Feb1609.D	QC	Phenanthrene-d10	9.854	62160	1349297	0.0461	2.1742	2.0000	108.7

Compound: o-Terphenyl

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Phenanthrene-d10	10.287	173228	1235766	0.1402	10.0669	10.0000	100.7
Feb1603.D	Calibration	Phenanthrene-d10	10.299	85349	1306531	0.0653	4.8175	5.0000	96.3
Feb1604.D	Calibration	Phenanthrene-d10	10.299	36540	1295201	0.0282	2.0874	2.0000	104.4
Feb1605.D	Calibration	Phenanthrene-d10	10.299	19023	1335284	0.0142	1.0357	1.0000	103.6
Feb1606.D	Calibration	Phenanthrene-d10	10.299	8700	1201802	0.0072	0.5027	0.5000	100.5
Feb1607.D	Calibration	Phenanthrene-d10	10.299	3941	1245859	0.0032	0.1910	0.2000	95.5
Feb1608.D	Calibration	Phenanthrene-d10	10.299	2309	1176030	0.0020	0.0990	0.1000	99.0
Feb1609.D	QC	Phenanthrene-d10	10.299	41045	1349297	0.0304	2.2524	2.0000	112.6

Compound: Fluoranthene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Phenanthrene-d10	11.386	327698	1235766	0.2652	10.0476	10.0000	100.5
Feb1603.D	Calibration	Phenanthrene-d10	11.398	151611	1306531	0.1160	4.8550	5.0000	97.1
Feb1604.D	Calibration	Phenanthrene-d10	11.398	61168	1295201	0.0472	2.0733	2.0000	103.7
Feb1605.D	Calibration	Phenanthrene-d10	11.398	31143	1335284	0.0233	1.0261	1.0000	102.6
Feb1606.D	Calibration	Phenanthrene-d10	11.411	14434	1201802	0.0120	0.5130	0.5000	102.6
Feb1607.D	Calibration	Phenanthrene-d10	11.411	6213	1245859	0.0050	0.1883	0.2000	94.1
Feb1608.D	Calibration	Phenanthrene-d10	11.411	3625	1176030	0.0031	0.0994	0.1000	99.4
Feb1609.D	QC	Phenanthrene-d10	11.398	68514	1349297	0.0508	2.2249	2.0000	111.2

Compound: Pyrene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Chrysene-d12	11.769	350347	1028004	0.3408	10.0242	10.0000	100.2
Feb1603.D	Calibration	Chrysene-d12	11.769	166252	1042366	0.1595	4.9265	5.0000	98.5
Feb1604.D	Calibration	Chrysene-d12	11.769	68912	1059265	0.0651	2.0500	2.0000	102.5
Feb1605.D	Calibration	Chrysene-d12	11.769	34637	1067934	0.0324	1.0140	1.0000	101.4
Feb1606.D	Calibration	Chrysene-d12	11.781	15659	967668	0.0162	0.4890	0.5000	97.8
Feb1607.D	Calibration	Chrysene-d12	11.781	6987	977733	0.0071	0.1943	0.2000	97.2
Feb1608.D	Calibration	Chrysene-d12	11.781	4005	923324	0.0043	0.1024	0.1000	102.4
Feb1609.D	QC	Chrysene-d12	11.769	77595	1064314	0.0729	2.2959	2.0000	114.8

Compound: Terphenyl-d14

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Chrysene-d12	12.238	230845	1028004	0.2246	10.0125	10.0000	100.1
Feb1603.D	Calibration	Chrysene-d12	12.238	106431	1042366	0.1021	4.9631	5.0000	99.3
Feb1604.D	Calibration	Chrysene-d12	12.238	42029	1059265	0.0397	2.0144	2.0000	100.7
Feb1605.D	Calibration	Chrysene-d12	12.238	21325	1067934	0.0200	1.0115	1.0000	101.1
Feb1606.D	Calibration	Chrysene-d12	12.238	10012	967668	0.0103	0.5069	0.5000	101.4
Feb1607.D	Calibration	Chrysene-d12	12.250	4301	977733	0.0044	0.1897	0.2000	94.9
Feb1608.D	Calibration	Chrysene-d12	12.251	2564	923324	0.0028	0.1025	0.1000	102.5
Feb1609.D	QC	Chrysene-d12	12.238	43553	1064314	0.0409	2.0765	2.0000	103.8

Compound: Benzo(a)Anthracene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Chrysene-d12	14.639	264164	1028004	0.2570	10.0203	10.0000	100.2
Feb1603.D	Calibration	Chrysene-d12	14.639	123762	1042366	0.1187	4.9428	5.0000	98.9
Feb1604.D	Calibration	Chrysene-d12	14.627	51152	1059265	0.0483	2.0182	2.0000	100.9
Feb1605.D	Calibration	Chrysene-d12	14.639	27451	1067934	0.0257	1.0164	1.0000	101.6
Feb1606.D	Calibration	Chrysene-d12	14.639	14217	967668	0.0147	0.5148	0.5000	103.0
Feb1607.D	Calibration	Chrysene-d12	14.639	7411	977733	0.0076	0.1860	0.2000	93.0
Feb1608.D	Calibration	Chrysene-d12	14.652	5343	923324	0.0058	0.1024	0.1000	102.4
Feb1609.D	QC	Chrysene-d12	14.639	59353	1064314	0.0558	2.3423	2.0000	117.1

Compound: Chrysene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Chrysene-d12	14.727	326890	1028004	0.3180	10.0248	10.0000	100.2
Feb1603.D	Calibration	Chrysene-d12	14.726	158366	1042366	0.1519	4.9430	5.0000	98.9
Feb1604.D	Calibration	Chrysene-d12	14.726	64350	1059265	0.0607	1.9915	2.0000	99.6
Feb1605.D	Calibration	Chrysene-d12	14.726	34032	1067934	0.0319	1.0295	1.0000	103.0
Feb1606.D	Calibration	Chrysene-d12	14.726	16184	967668	0.0167	0.5196	0.5000	103.9
Feb1607.D	Calibration	Chrysene-d12	14.726	6977	977733	0.0071	0.1947	0.2000	97.3
Feb1608.D	Calibration	Chrysene-d12	14.726	3938	923324	0.0043	0.0971	0.1000	97.1
Feb1609.D	QC	Chrysene-d12	14.726	76086	1064314	0.0715	2.3457	2.0000	117.3

Compound: Benzo(b)fluoranthene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Perylene-d12	17.647	248313	661332	0.3755	10.0019	10.0000	100.0
Feb1603.D	Calibration	Perylene-d12	17.659	109990	666889	0.1649	4.9841	5.0000	99.7
Feb1604.D	Calibration	Perylene-d12	17.659	42687	685373	0.0623	2.0361	2.0000	101.8
Feb1605.D	Calibration	Perylene-d12	17.659	20374	675276	0.0302	1.0087	1.0000	100.9
Feb1606.D	Calibration	Perylene-d12	17.672	8399	600129	0.0140	0.4668	0.5000	93.4
Feb1607.D	Calibration	Perylene-d12	17.671	3699	606738	0.0061	0.1956	0.2000	97.8
Feb1608.D	Calibration	Perylene-d12	17.672	2079	588546	0.0035	0.1065	0.1000	106.5
Feb1609.D	QC	Perylene-d12	17.659	49458	689257	0.0718	2.3282	2.0000	116.4

Compound: Benzo(k)fluoranthene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Perylene-d12	17.721	266277	661332	0.4026	9.9646	10.0000	99.6
Feb1603.D	Calibration	Perylene-d12	17.721	129904	666889	0.1948	5.0973	5.0000	101.9
Feb1604.D	Calibration	Perylene-d12	17.721	49891	685373	0.0728	1.9656	2.0000	98.3
Feb1605.D	Calibration	Perylene-d12	17.733	24241	675276	0.0359	0.9690	1.0000	96.9
Feb1606.D	Calibration	Perylene-d12	17.733	11306	600129	0.0188	0.4996	0.5000	99.9
Feb1607.D	Calibration	Perylene-d12	17.733	4870	606738	0.0080	0.1990	0.2000	99.5
Feb1608.D	Calibration	Perylene-d12	17.733	2719	588546	0.0046	0.1038	0.1000	103.8
Feb1609.D	QC	Perylene-d12	17.721	56334	689257	0.0817	2.2033	2.0000	110.2

Compound: Benzo(a)pyrene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Perylene-d12	18.302	221392	661332	0.3348	10.0359	10.0000	100.4
Feb1603.D	Calibration	Perylene-d12	18.301	93892	666889	0.1408	4.8887	5.0000	97.8
Feb1604.D	Calibration	Perylene-d12	18.302	36965	685373	0.0539	2.0343	2.0000	101.7
Feb1605.D	Calibration	Perylene-d12	18.302	18523	675276	0.0274	1.0508	1.0000	105.1
Feb1606.D	Calibration	Perylene-d12	18.314	8072	600129	0.0135	0.5039	0.5000	100.8
Feb1607.D	Calibration	Perylene-d12	18.314	3515	606738	0.0058	0.1949	0.2000	97.4
Feb1608.D	Calibration	Perylene-d12	18.314	2000	588546	0.0034	0.0968	0.1000	96.8
Feb1609.D	QC	Perylene-d12	18.302	40666	689257	0.0590	2.2152	2.0000	110.8

Compound: Indeno(1,2,3-cd)pyrene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Perylene-d12	20.155	188658	661332	0.2853	10.0028	10.0000	100.0
Feb1603.D	Calibration	Perylene-d12	20.155	82654	666889	0.1239	4.9940	5.0000	99.9
Feb1604.D	Calibration	Perylene-d12	20.155	30927	685373	0.0451	1.9859	2.0000	99.3
Feb1605.D	Calibration	Perylene-d12	20.167	15374	675276	0.0228	1.0233	1.0000	102.3
Feb1606.D	Calibration	Perylene-d12	20.167	6755	600129	0.0113	0.5027	0.5000	100.5
Feb1607.D	Calibration	Perylene-d12	20.180	2722	606738	0.0045	0.1877	0.2000	93.9
Feb1608.D	Calibration	Perylene-d12	20.180	1597	588546	0.0027	0.1041	0.1000	104.1
Feb1609.D	QC	Perylene-d12	20.155	34438	689257	0.0500	2.1867	2.0000	109.3

Compound: Dibenzo(a,h)anthracene

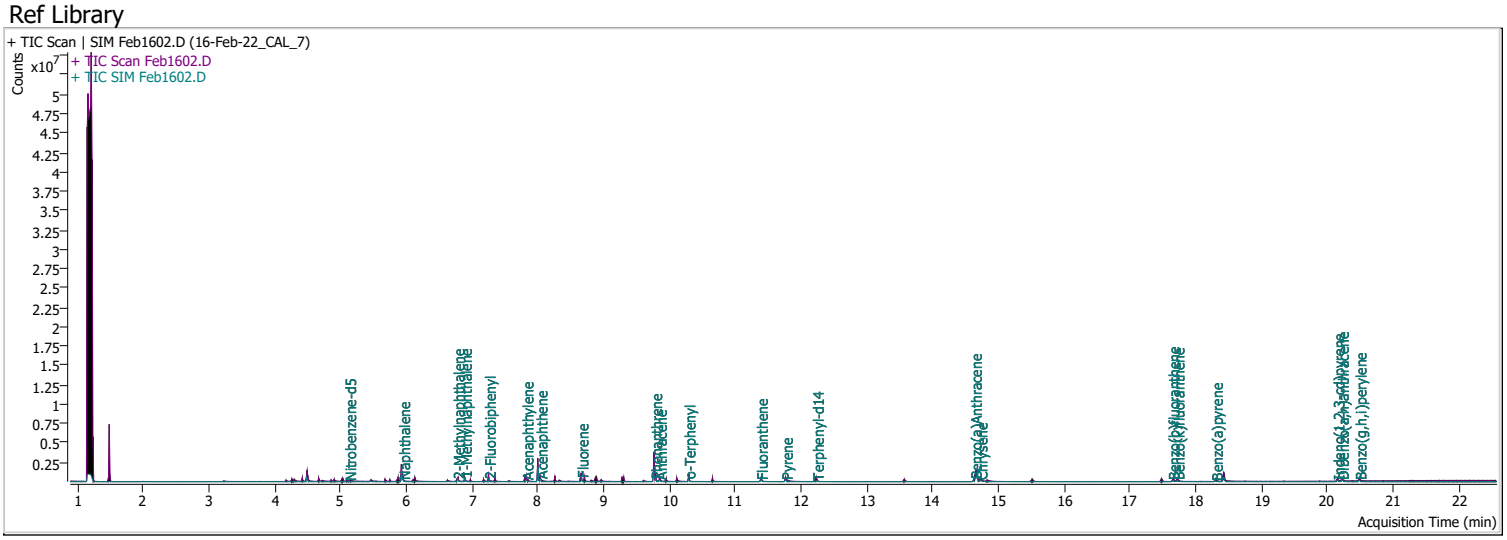
Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Perylene-d12	20.217	219368	661332	0.3317	10.0522	10.0000	100.5
Feb1603.D	Calibration	Perylene-d12	20.229	92810	666889	0.1392	4.8393	5.0000	96.8
Feb1604.D	Calibration	Perylene-d12	20.229	37654	685373	0.0549	2.0616	2.0000	103.1
Feb1605.D	Calibration	Perylene-d12	20.229	18367	675276	0.0272	1.0410	1.0000	104.1
Feb1606.D	Calibration	Perylene-d12	20.242	8313	600129	0.0139	0.5258	0.5000	105.2
Feb1607.D	Calibration	Perylene-d12	20.241	3291	606738	0.0054	0.1915	0.2000	95.8
Feb1608.D	Calibration	Perylene-d12	20.254	1774	588546	0.0030	0.0945	0.1000	94.5
Feb1609.D	QC	Perylene-d12	20.229	39673	689257	0.0576	2.1549	2.0000	107.7

Compound: Benzo(g,h,i)perylene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1602.D	Calibration	Perylene-d12	20.489	246296	661332	0.3724	10.0276	10.0000	100.3
Feb1603.D	Calibration	Perylene-d12	20.488	111472	666889	0.1672	4.9341	5.0000	98.7
Feb1604.D	Calibration	Perylene-d12	20.489	43515	685373	0.0635	1.9682	2.0000	98.4
Feb1605.D	Calibration	Perylene-d12	20.489	23085	675276	0.0342	1.0631	1.0000	106.3
Feb1606.D	Calibration	Perylene-d12	20.501	10198	600129	0.0170	0.5159	0.5000	103.2
Feb1607.D	Calibration	Perylene-d12	20.501	4391	606738	0.0072	0.1995	0.2000	99.8
Feb1608.D	Calibration	Perylene-d12	20.501	2349	588546	0.0040	0.0933	0.1000	93.3
Feb1609.D	QC	Perylene-d12	20.489	49203	689257	0.0714	2.2064	2.0000	110.3

Quantitation Results Report (QT Reviewed)

Data File	Feb1602.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 1:04:23 PM
Sample Name	16-Feb-22_CAL_7	Instrument	GCMS
Vial	2	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

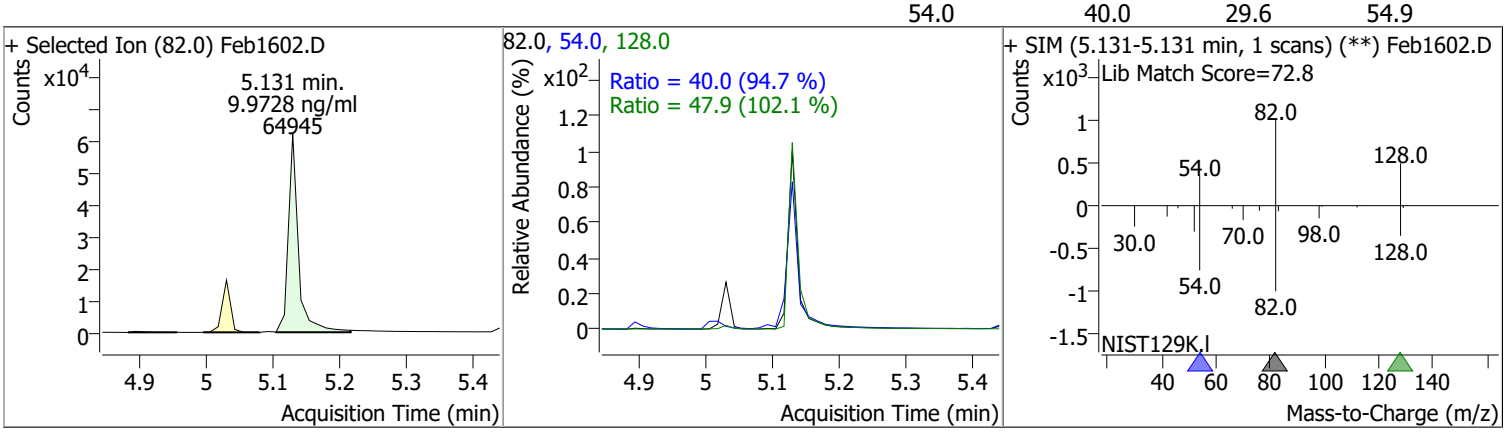


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	236270	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1037742	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.001	164.0	695955	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.756	188.0	1235766	40.0000	ng/ml		-0.012
M Chrysene-d12	14.664	240.0	1028004	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	661332	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.131	82.0	64945	9.9728	ng/ml		-0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 199.46%		*	
S 2-Fluorobiphenyl	7.252	172.0	231576	10.0120	ng/ml		-0.012
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 200.24%		*	
S o-Terphenyl	10.287	230.0	173228	10.0669	ng/ml		-0.012
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 201.34%		*	
S Terphenyl-d14	12.238	244.0	230845	10.0125	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 200.25%		*	
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	242945	10.0392	ng/ml		96
T 2-Methylnaphthalene	6.778	141.0	167224	10.3848	ng/ml		97
T 1-Methylnaphthalene	6.890	141.0	175058	9.8704	ng/ml		95
T Acenaphthylene	7.826	152.0	263576	10.4343	ng/ml		97
T Acenaphthene	8.038	154.0	174862	10.2249	ng/ml		99
T Fluorene	8.661	166.0	230125	9.9895	ng/ml	#	90
T Phenanthrene	9.780	178.0	310922	10.0465	ng/ml		100
T Anthracene	9.855	178.0	278452	10.0292	ng/ml		99
T Fluoranthene	11.386	202.0	327698	10.0476	ng/ml		99
T Pyrene	11.769	202.0	350347	10.0242	ng/ml		100
T Benzo(a)Anthracene	14.639	228.0	264164	10.0203	ng/ml		98
T Chrysene	14.727	228.0	326890	10.0248	ng/ml		99
T Benzo(b)fluoranthene	17.647	252.0	248313	10.0019	ng/ml		100

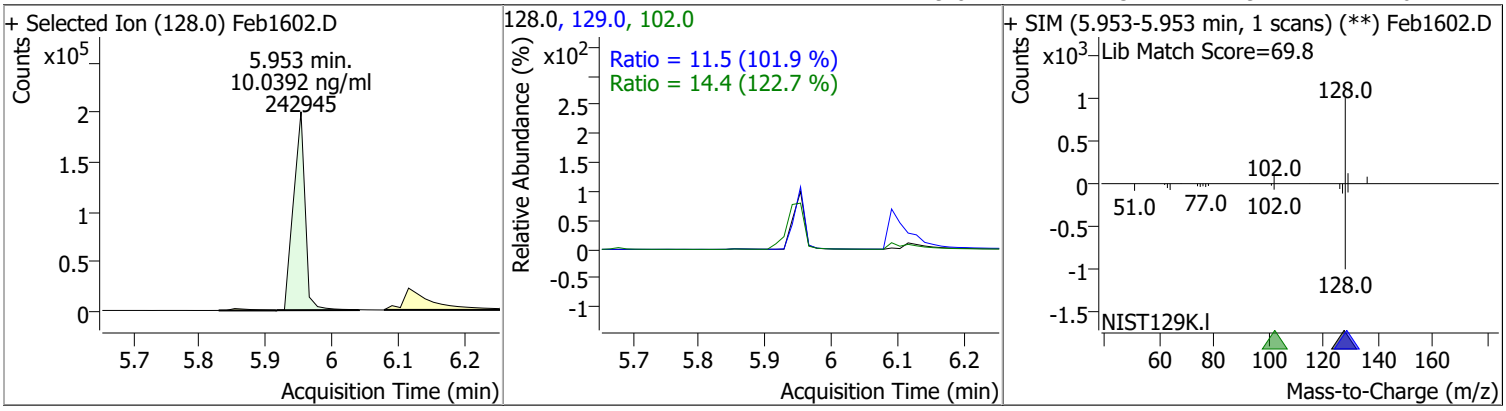
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.721	252.0	266277	9.9646	ng/ml	98
T Benzo(a)pyrene	18.302	252.0	221392	10.0359	ng/ml	100
T Indeno(1,2,3-cd)pyrene	20.155	276.0	188658	10.0028	ng/ml	98
T Dibenzo(a,h)anthracene	20.217	278.0	219368	10.0522	ng/ml	99
T Benzo(g,h,i)perylene	20.489	276.0	246296	10.0276	ng/ml	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

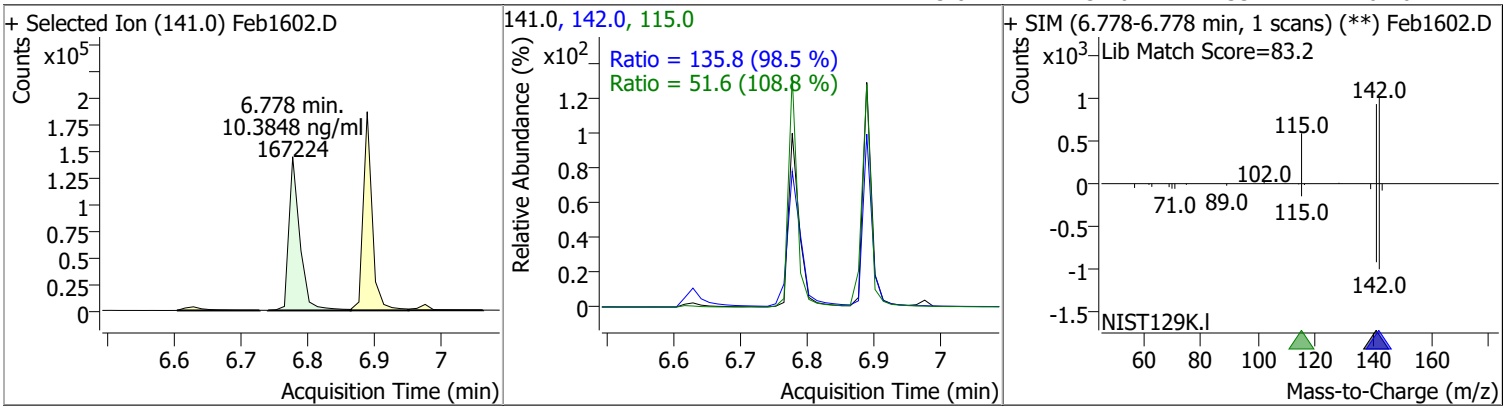
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	9.9728	5.13	-0.01	64945	128.0	47.9	32.9	61.0
					54.0	40.0	29.6	54.9



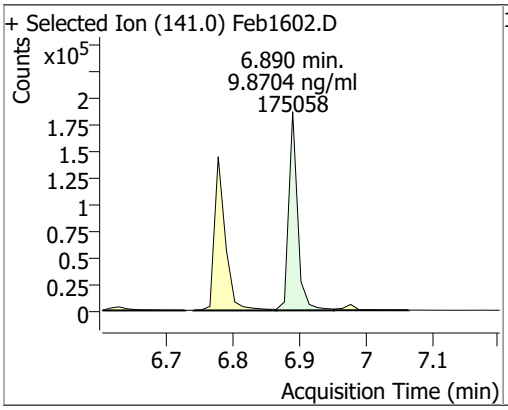
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	10.0392	5.95	0.00	242945	102.0	14.4	0.0	35.2
					129.0	11.5	7.9	14.6

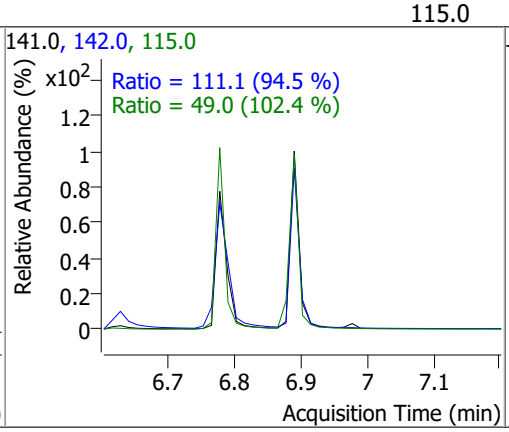


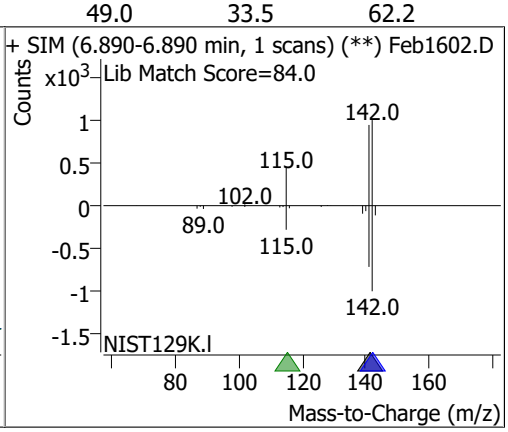
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	10.3848	6.78	-0.01	167224	142.0	135.8	96.5	179.2
					115.0	51.6	33.2	61.6



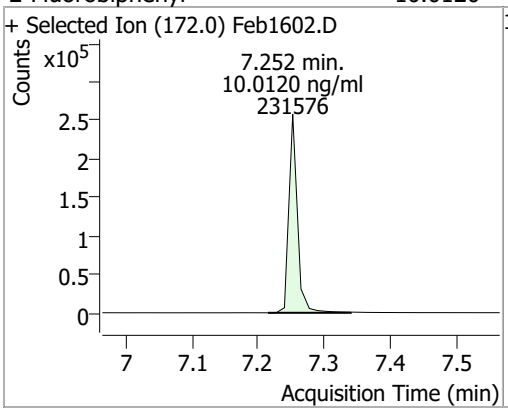
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	9.8704	6.89	-0.01	175058	142.0	111.1	82.3	152.8
					115.0	49.0	33.5	62.2

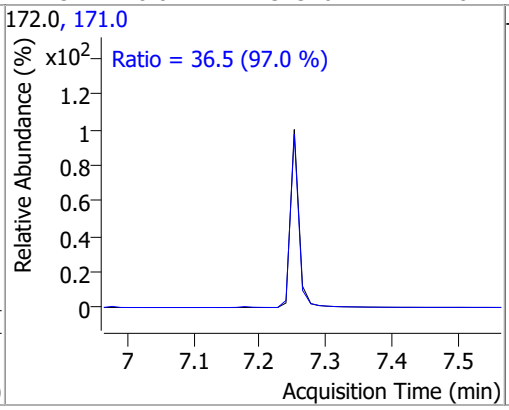


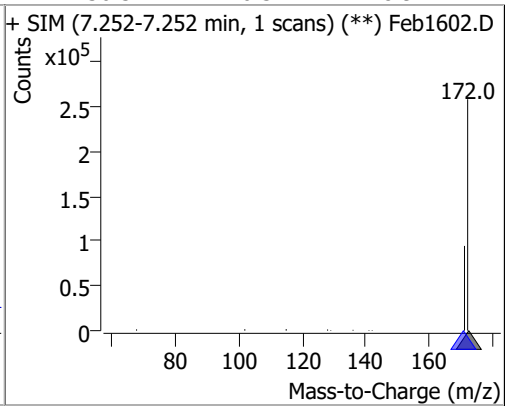




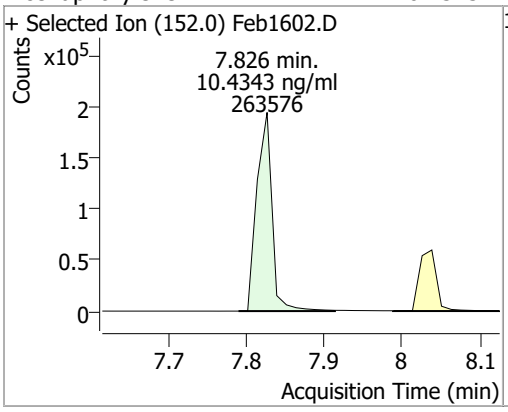
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	10.0120	7.25	-0.01	231576	171.0	36.5	26.3	48.9

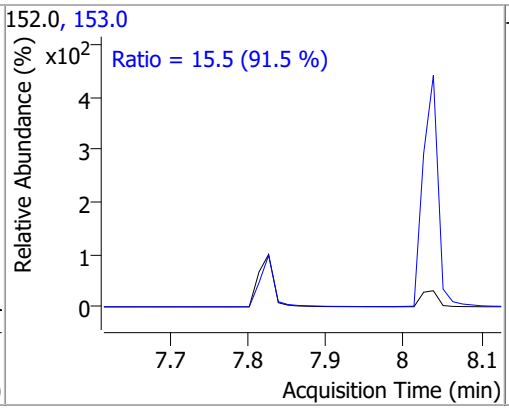


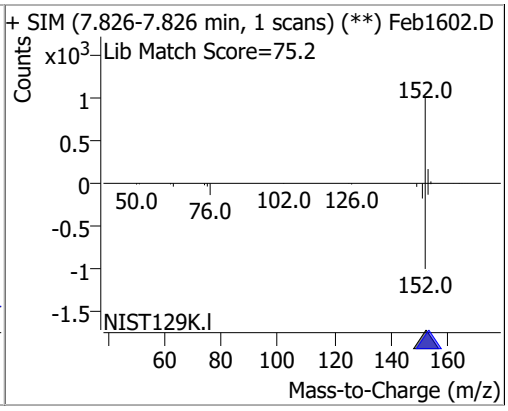




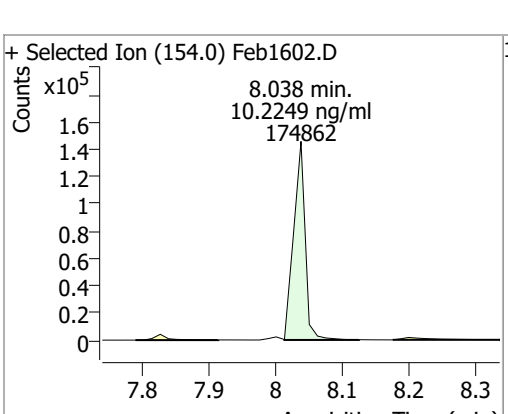
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	10.4343	7.83	0.00	263576	153.0	15.5	11.8	22.0

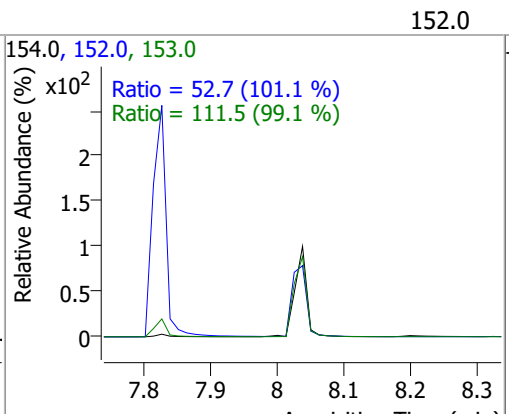


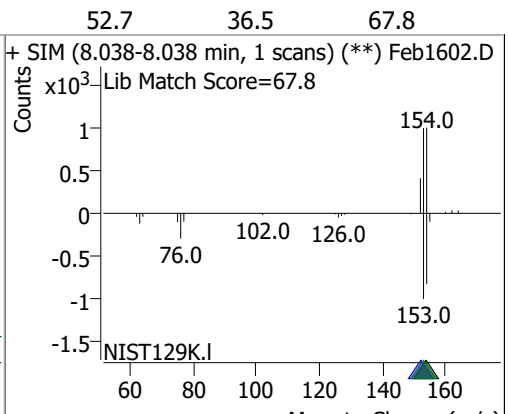




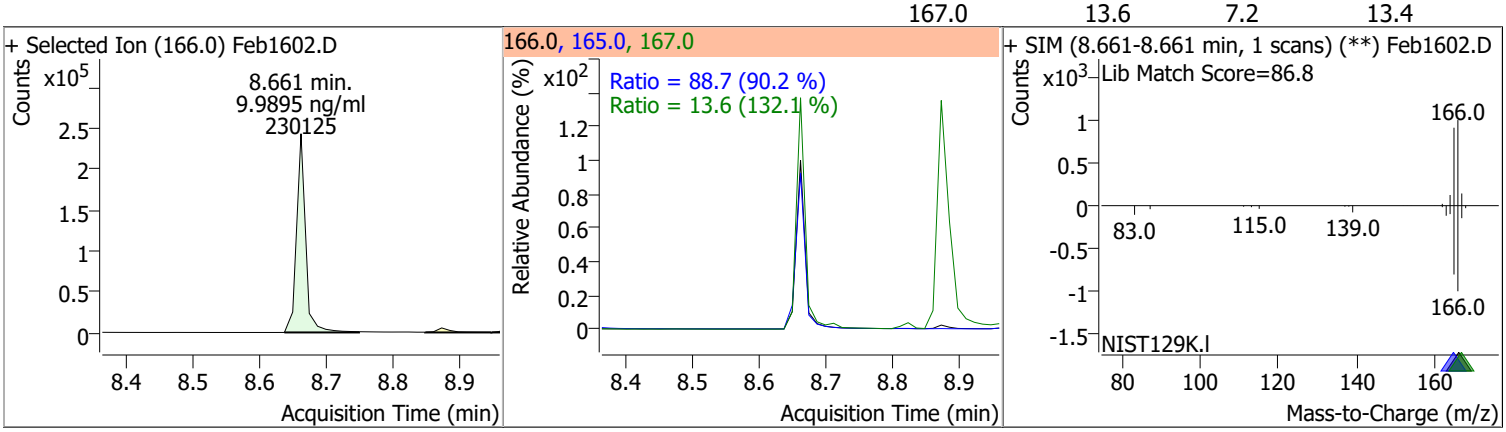
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	10.2249	8.04	0.00	174862	153.0	111.5	78.7	146.2
					152.0	52.7	36.5	67.8



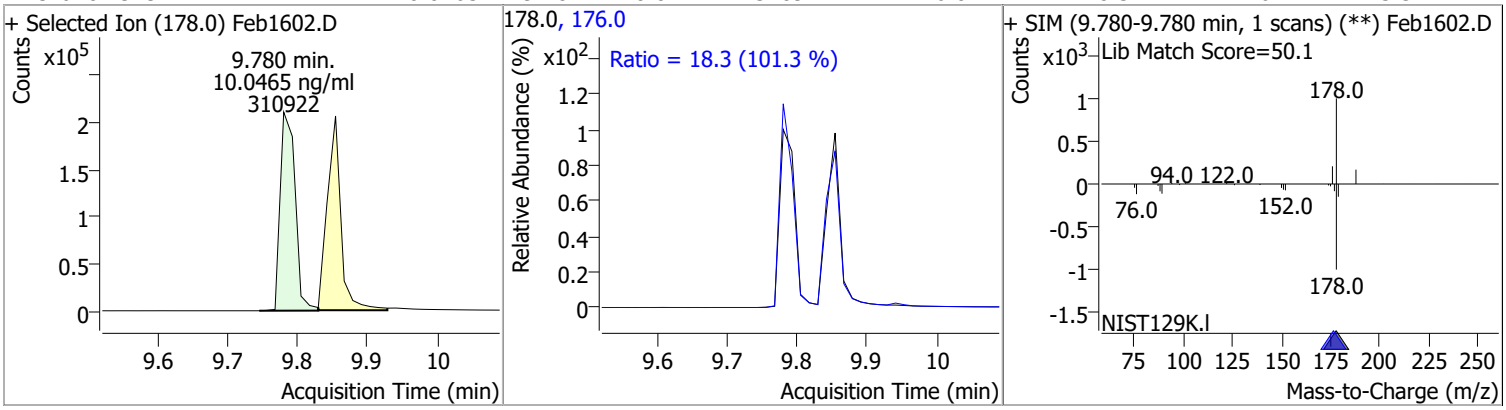




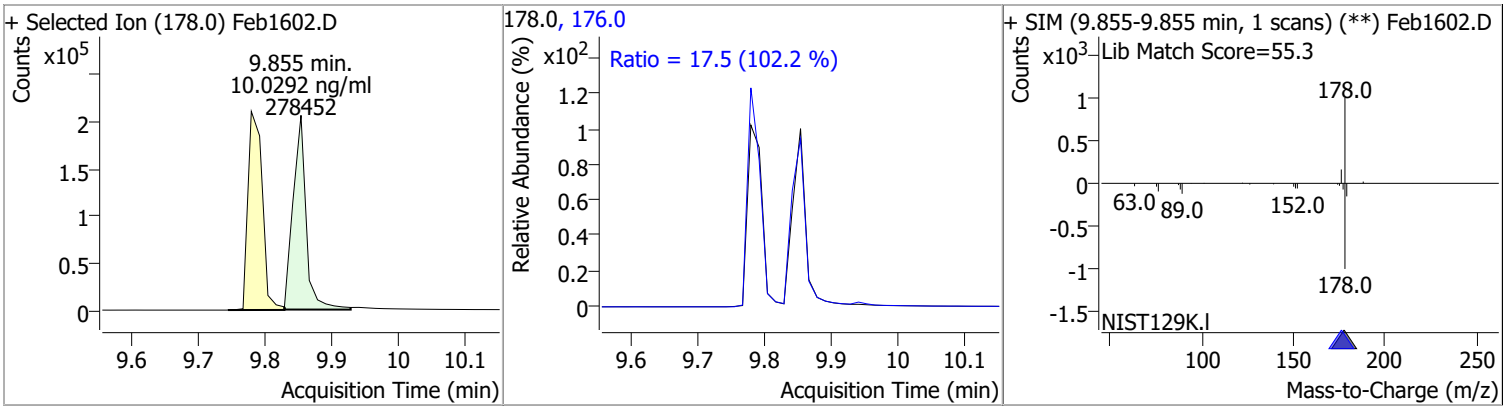
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	9.9895	8.66	0.00	230125	165.0	88.7	68.8	127.8
					167.0	13.6	7.2	13.4



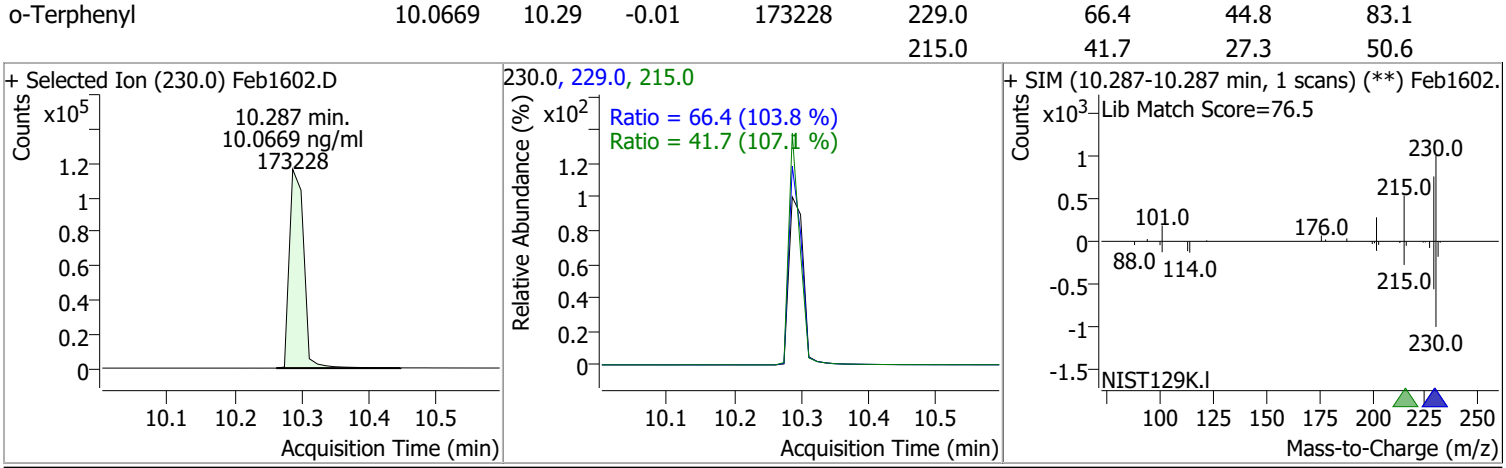
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	10.0465	9.78	-0.01	310922	176.0	18.3	12.6	23.5



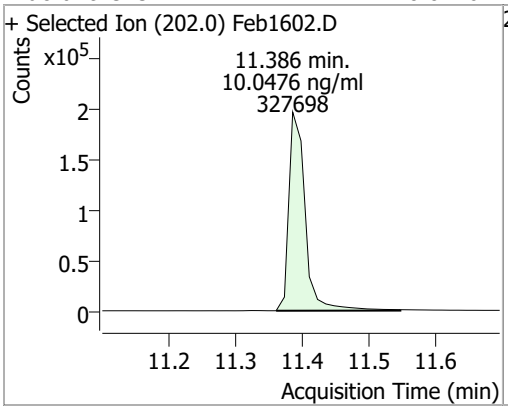
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	10.0292	9.85	0.00	278452	176.0	17.5	12.0	22.3

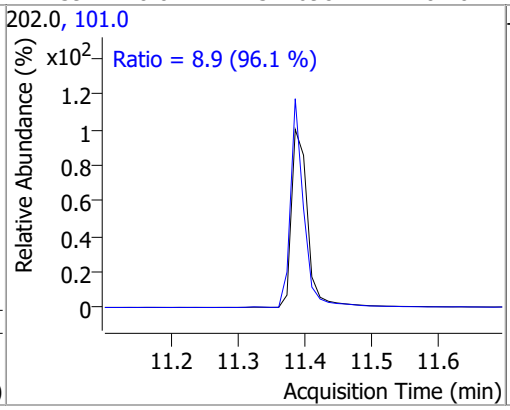


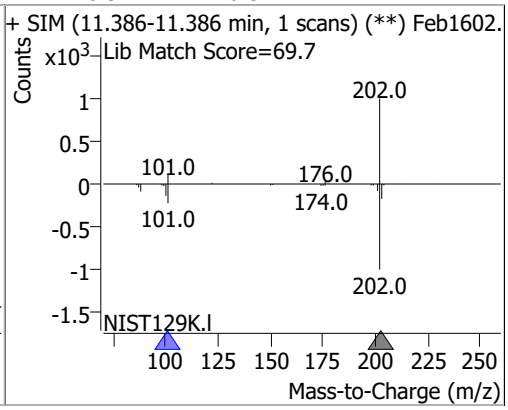
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	10.0669	10.29	-0.01	173228	229.0	66.4	44.8	83.1
					215.0	41.7	27.3	50.6



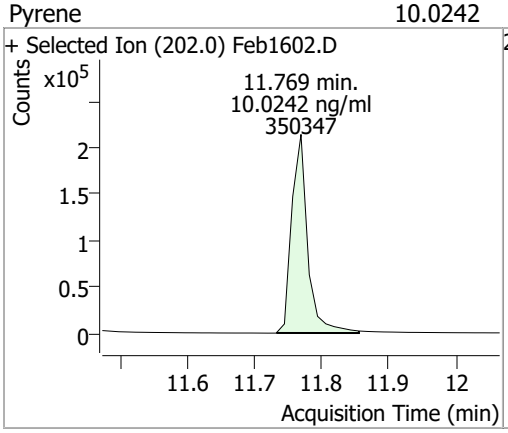
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	10.0476	11.39	-0.01	327698	101.0	8.9	6.5	12.1

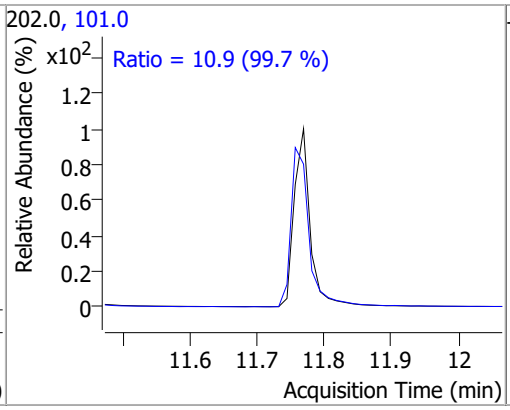


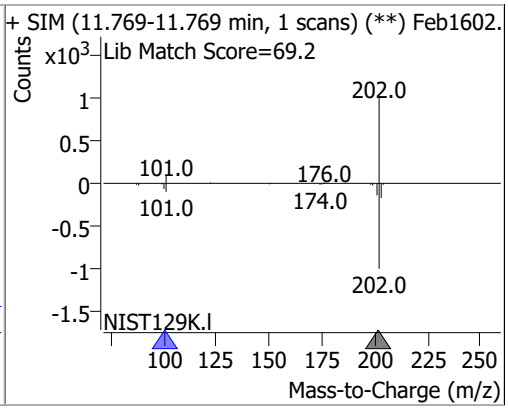




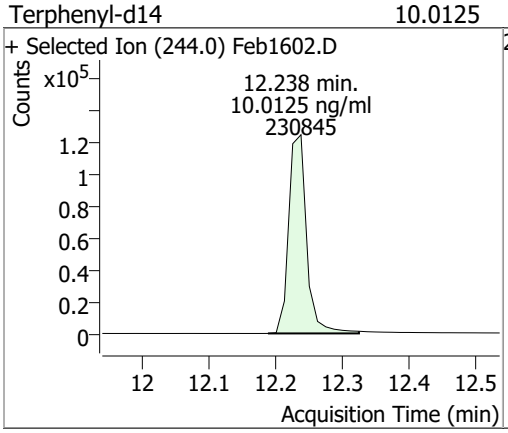
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	10.0242	11.77	0.00	350347	101.0	10.9	7.6	14.2

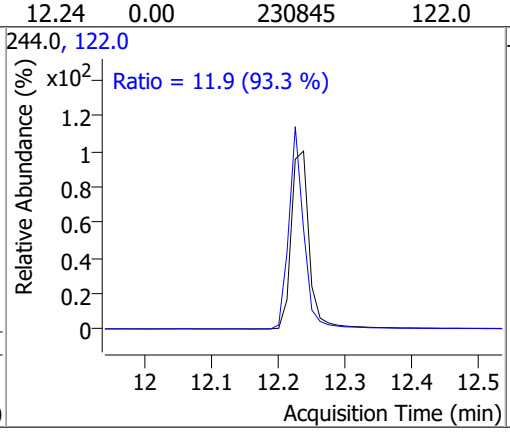


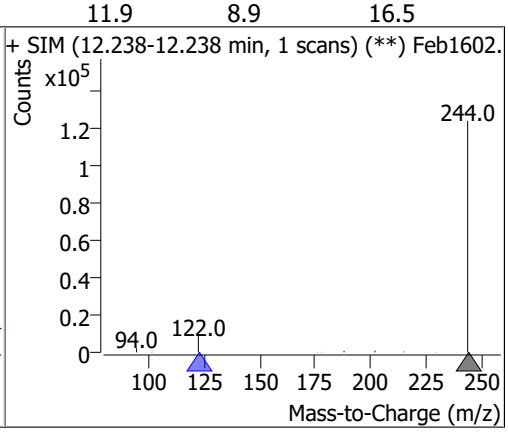




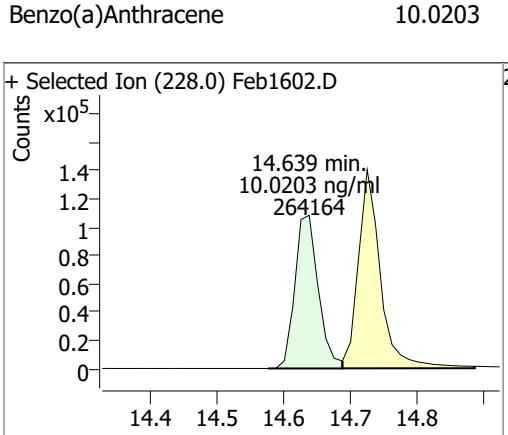
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	10.0125	12.24	0.00	230845	122.0	11.9	8.9	16.5

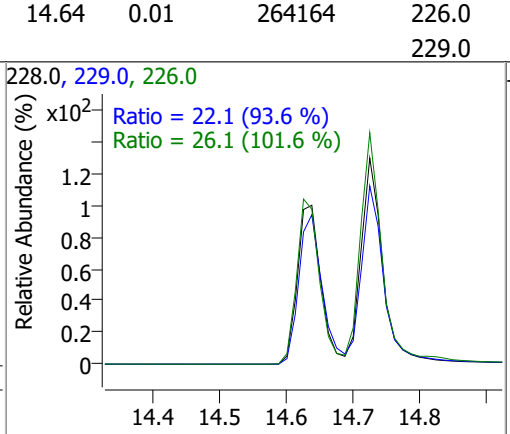


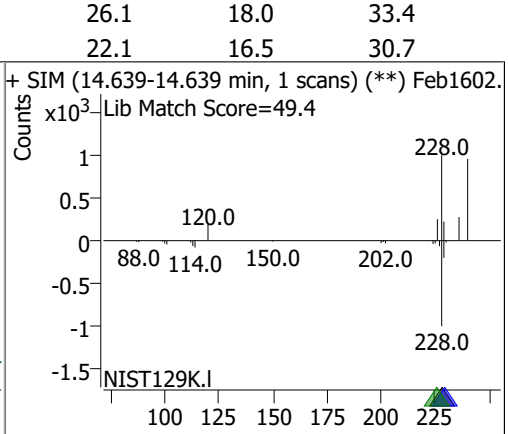




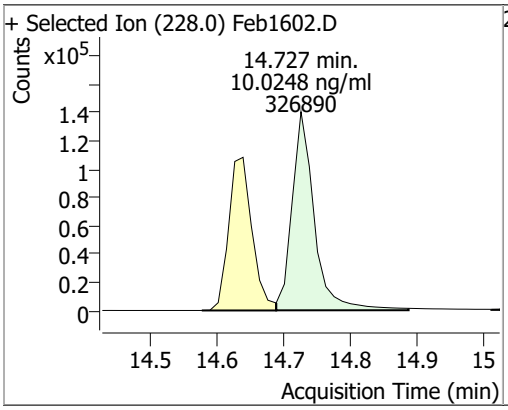
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	10.0203	14.64	0.01	264164	226.0	26.1	18.0	33.4
					229.0	22.1	16.5	30.7

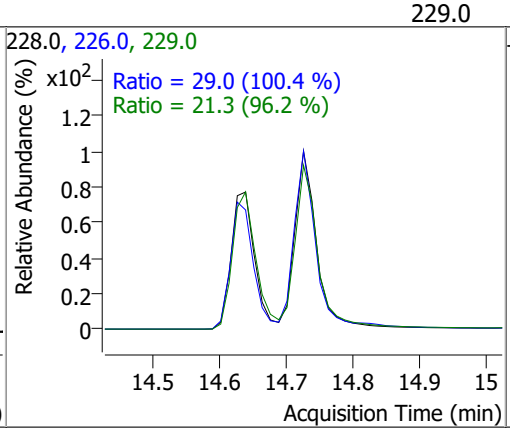


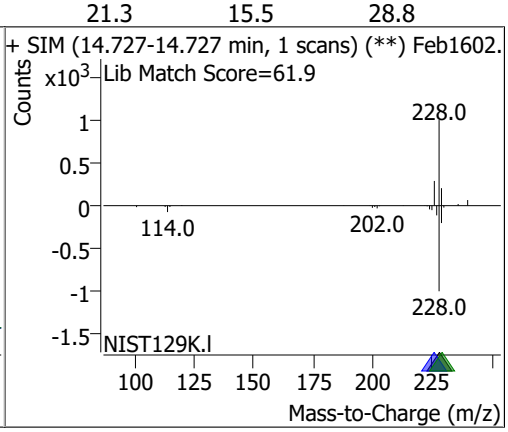




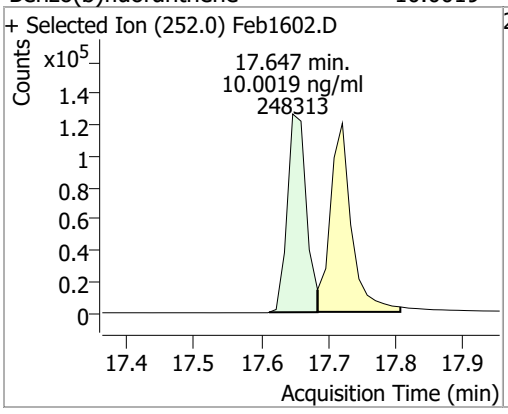
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	10.0248	14.73	0.00	326890	226.0	29.0	20.2	37.5
					229.0	21.3	15.5	28.8

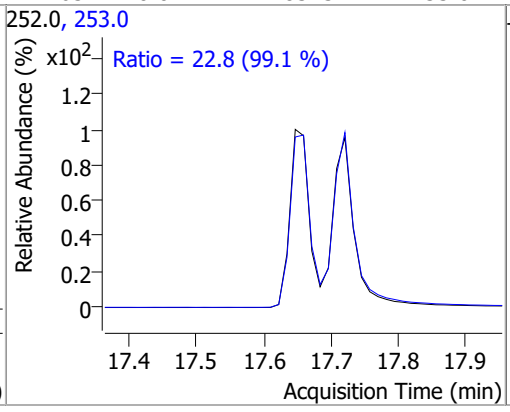


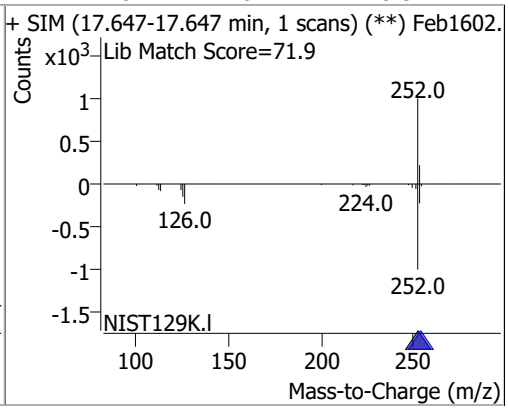




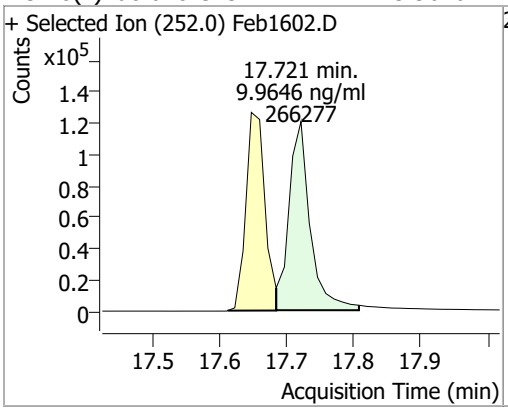
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	10.0019	17.65	-0.01	248313	253.0	22.8	16.1	29.9

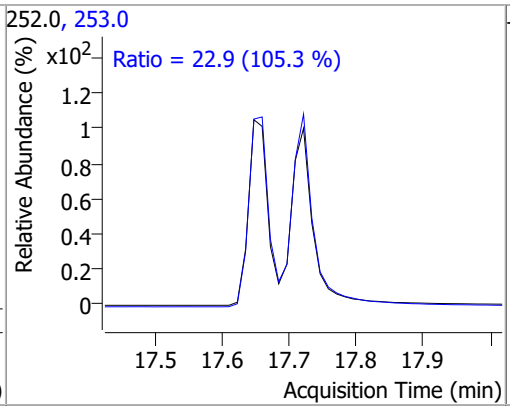


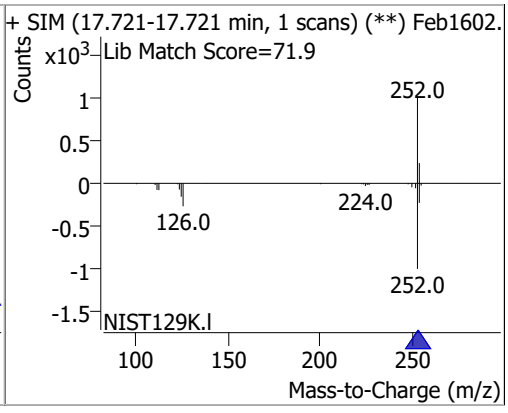




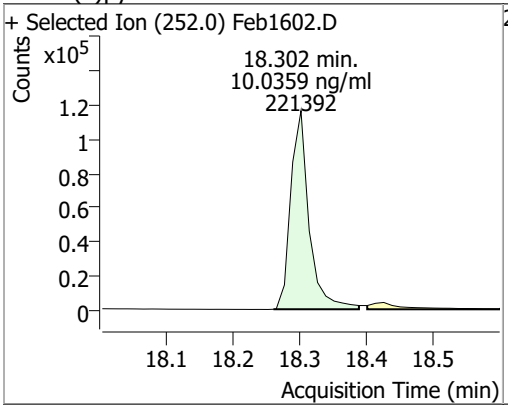
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	9.9646	17.72	0.00	266277	253.0	22.9	15.2	28.2

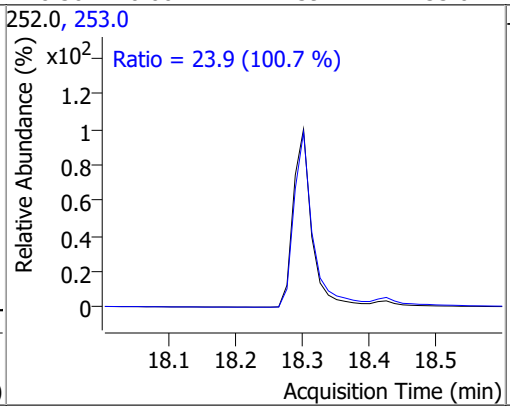


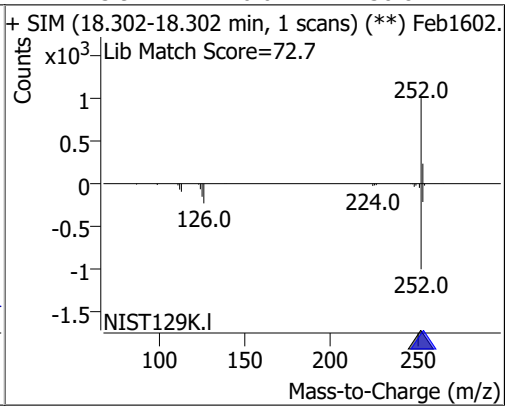




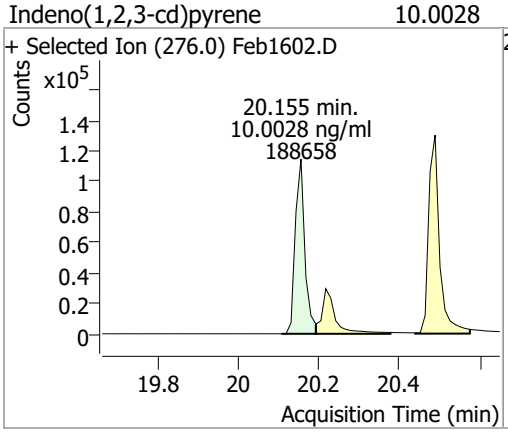
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	10.0359	18.30	0.00	221392	253.0	23.9	16.6	30.8

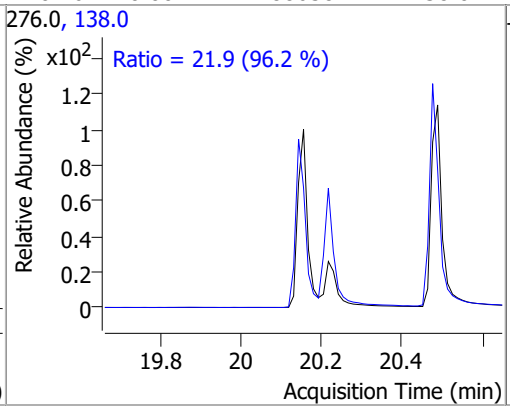


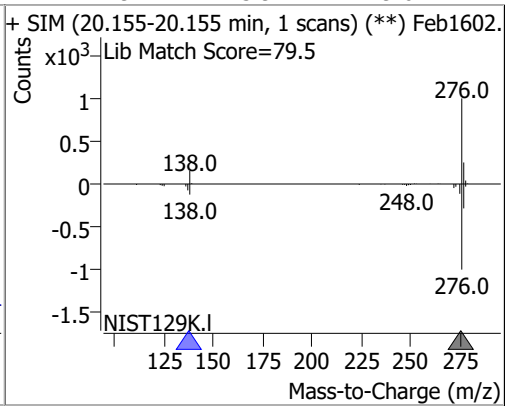




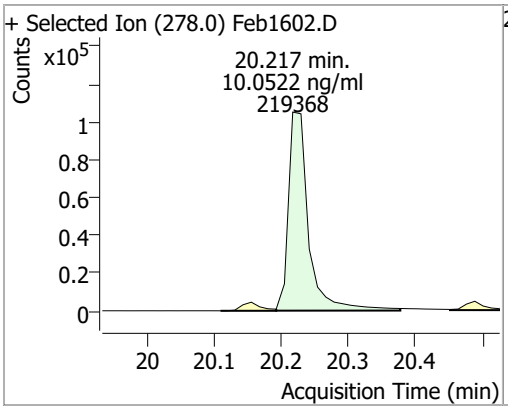
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	10.0028	20.16	0.00	188658	138.0	21.9	15.9	29.6

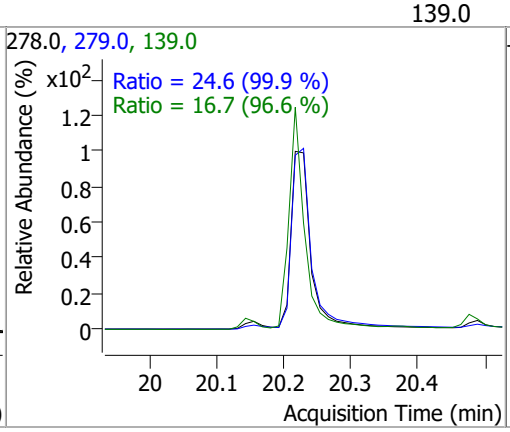


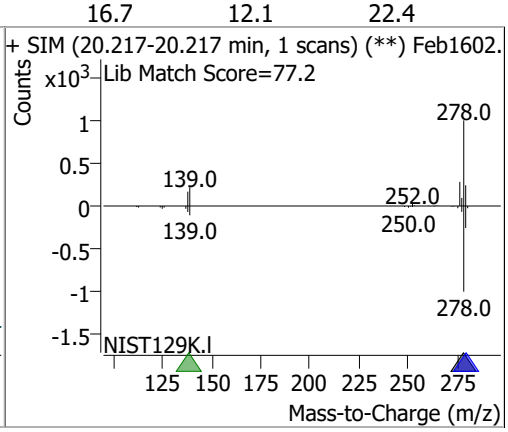




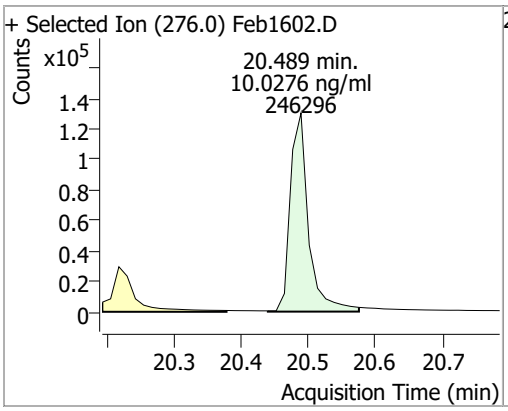
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	10.0522	20.22	-0.01	219368	279.0	24.6	17.3	32.0
					139.0	16.7	12.1	22.4

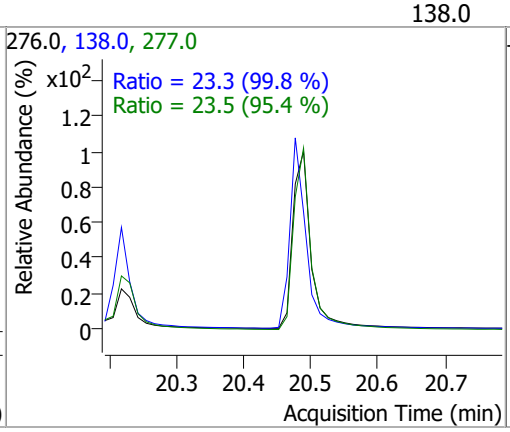


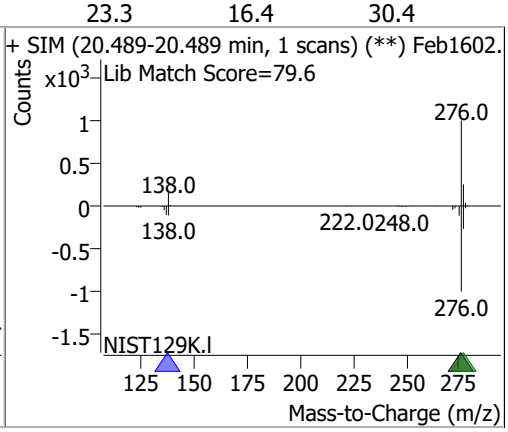




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	10.0276	20.49	0.00	246296	277.0	23.5	17.2	32.0
					138.0	23.3	16.4	30.4

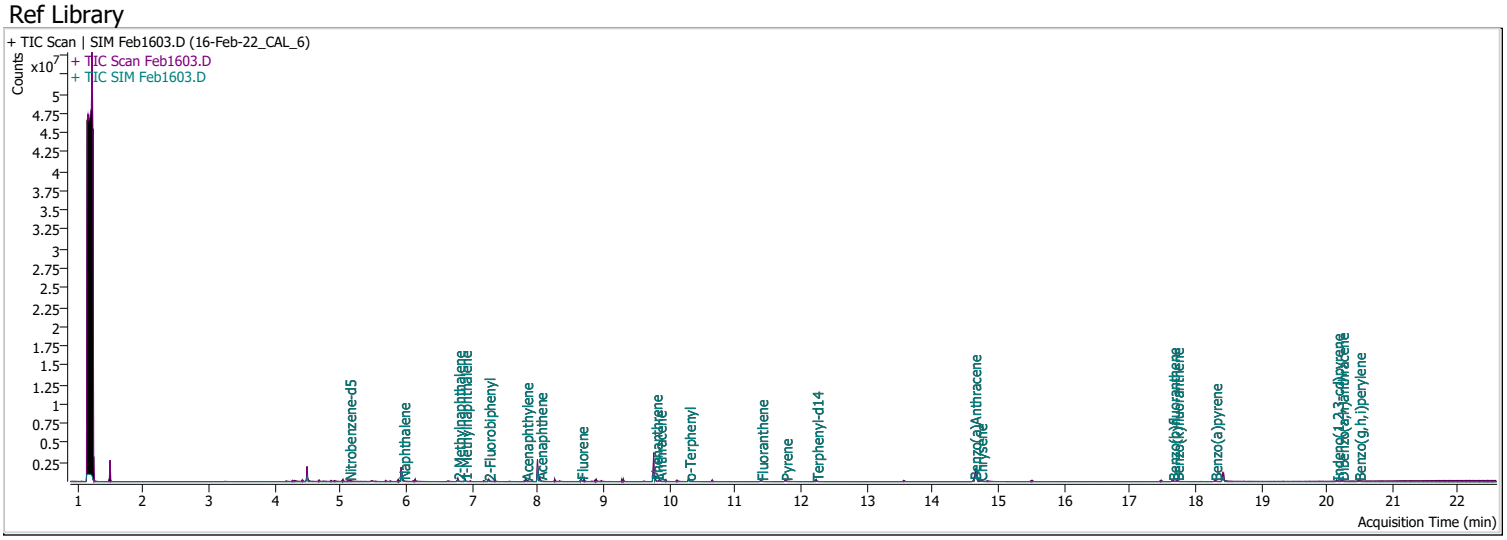






Quantitation Results Report (QT Reviewed)

Data File	Feb1603.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 1:36:47 PM
Sample Name	16-Feb-22_CAL_6	Instrument	GCMS
Vial	3	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

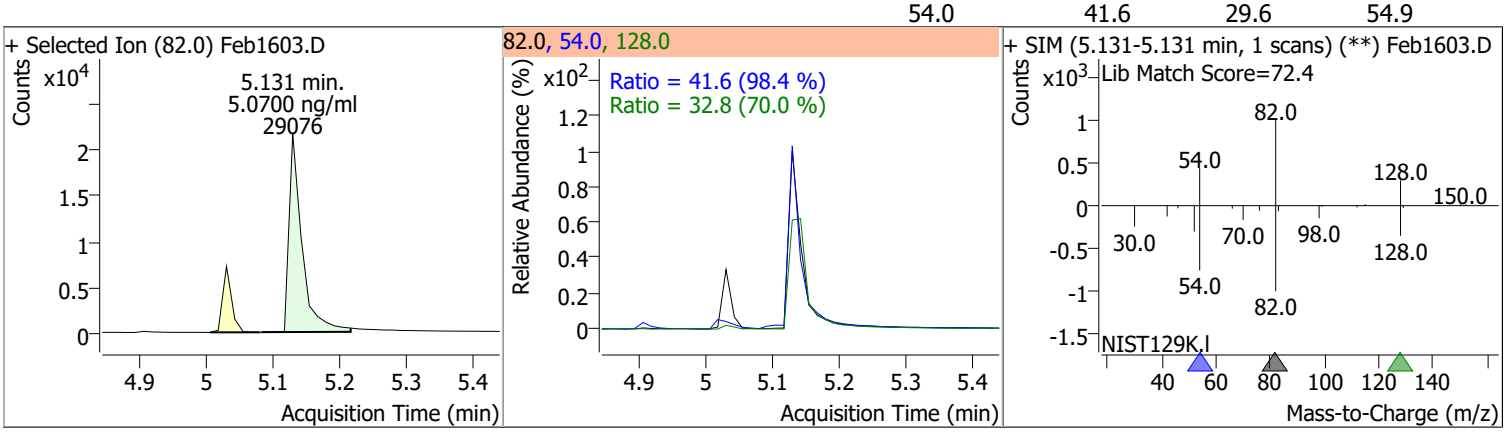


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	248238	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1056797	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.000	164.0	735335	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.755	188.0	1306531	40.0000	ng/ml		-0.013
M Chrysene-d12	14.664	240.0	1042366	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	666889	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.131	82.0	29076	5.0700	ng/ml	#	-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 101.40%			
S 2-Fluorobiphenyl	7.252	172.0	104743	4.9682	ng/ml		-0.013
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 99.36%		*	
S o-Terphenyl	10.299	230.0	85349	4.8175	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 96.35%			
S Terphenyl-d14	12.238	244.0	106431	4.9631	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 99.26%			
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	123194	4.9067	ng/ml		97
T 2-Methylnaphthalene	6.790	141.0	75902	4.6286	ng/ml		95
T 1-Methylnaphthalene	6.890	141.0	81237	4.4979	ng/ml		96
T Acenaphthylene	7.826	152.0	108162	4.4348	ng/ml		96
T Acenaphthene	8.038	154.0	85368	4.7749	ng/ml		99
T Fluorene	8.661	166.0	111595	5.0240	ng/ml	#	96
T Phenanthrene	9.793	178.0	150919	4.8770	ng/ml		99
T Anthracene	9.854	178.0	138311	4.9197	ng/ml		99
T Fluoranthene	11.398	202.0	151611	4.8550	ng/ml		99
T Pyrene	11.769	202.0	166252	4.9265	ng/ml		99
T Benzo(a)Anthracene	14.639	228.0	123762	4.9428	ng/ml		99
T Chrysene	14.726	228.0	158366	4.9430	ng/ml		99
T Benzo(b)fluoranthene	17.659	252.0	109990	4.9841	ng/ml		98

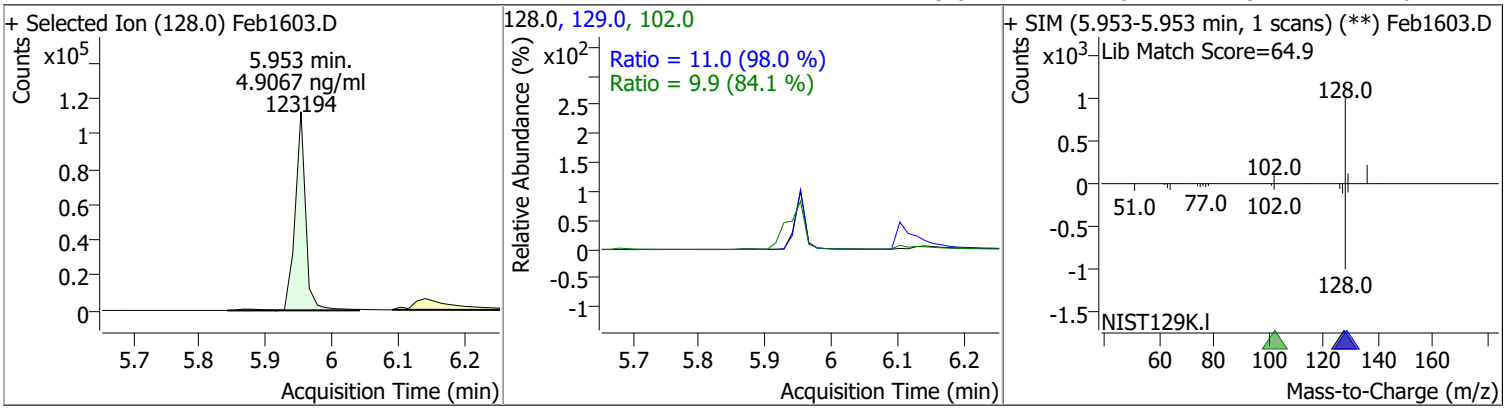
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.721	252.0	129904	5.0973	ng/ml	99
T Benzo(a)pyrene	18.301	252.0	93892	4.8887	ng/ml	99
T Indeno(1,2,3-cd)pyrene	20.155	276.0	82654	4.9940	ng/ml	98
T Dibenzo(a,h)anthracene	20.229	278.0	92810	4.8393	ng/ml	98
T Benzo(g,h,i)perylene	20.488	276.0	111472	4.9341	ng/ml	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

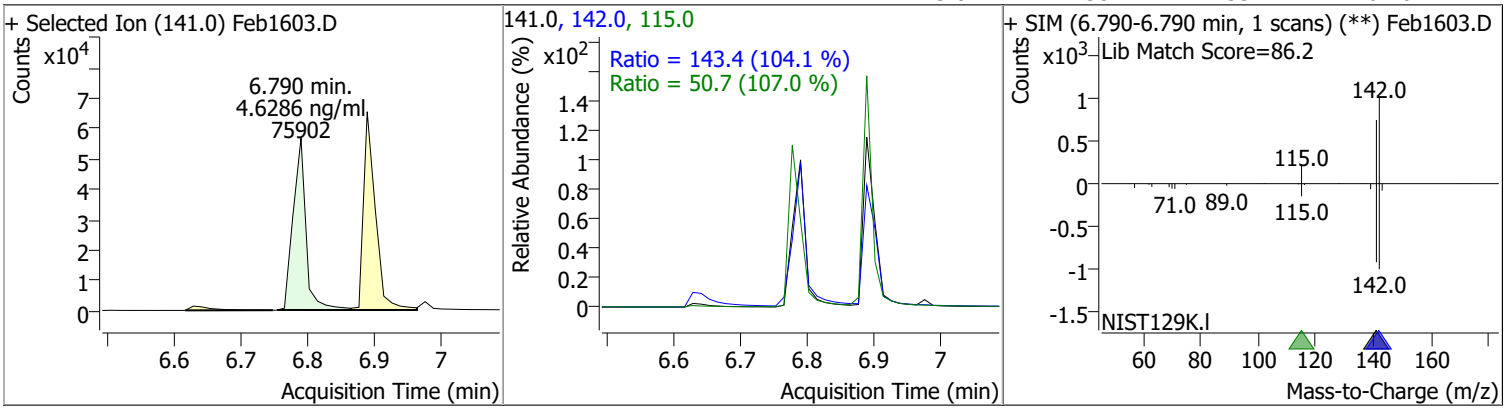
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	5.0700	5.13	-0.01	29076	128.0	32.8	32.9	61.0
					54.0	41.6	29.6	54.9



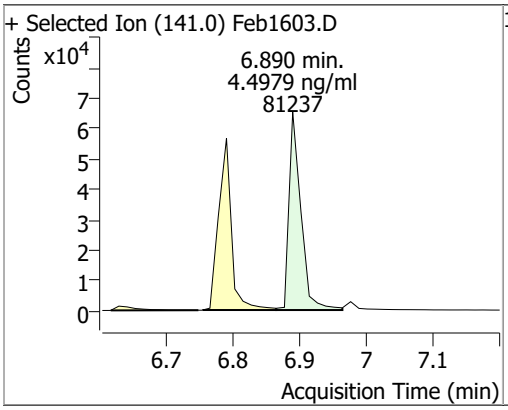
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	4.9067	5.95	0.00	123194	102.0	9.9	0.0	35.2
					129.0	11.0	7.9	14.6

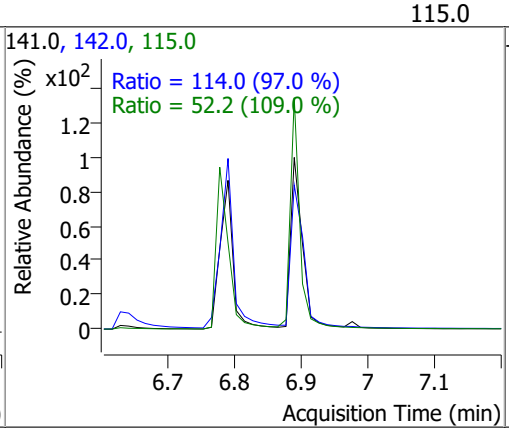


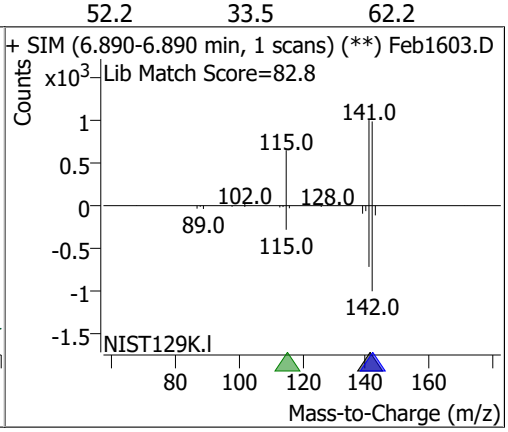
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	4.6286	6.79	0.00	75902	142.0	143.4	96.5	179.2
					115.0	50.7	33.2	61.6



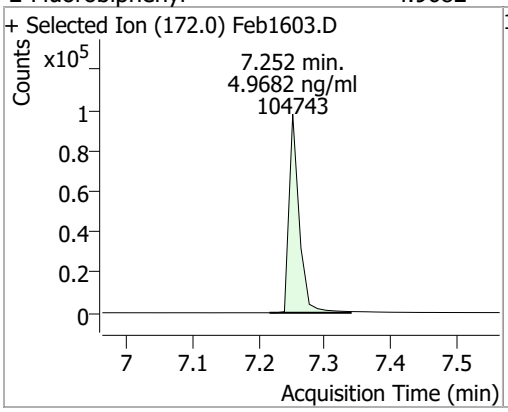
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	4.4979	6.89	-0.01	81237	142.0	114.0	82.3	152.8
					115.0	52.2	33.5	62.2

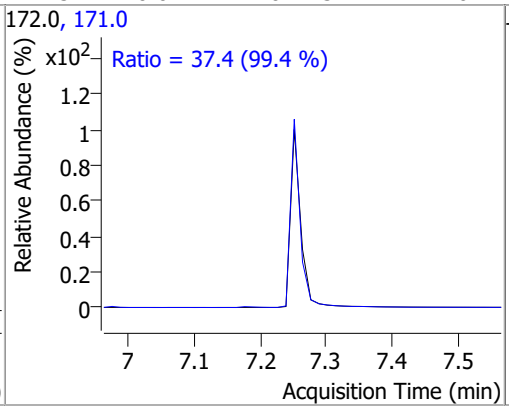


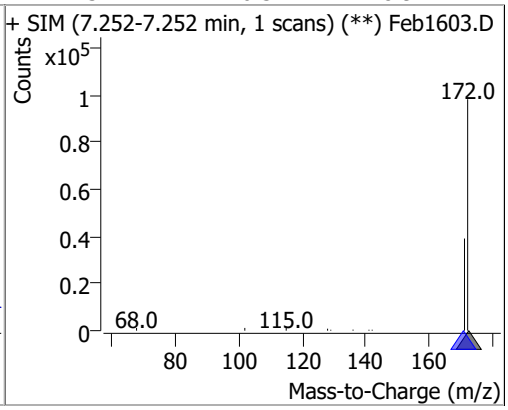




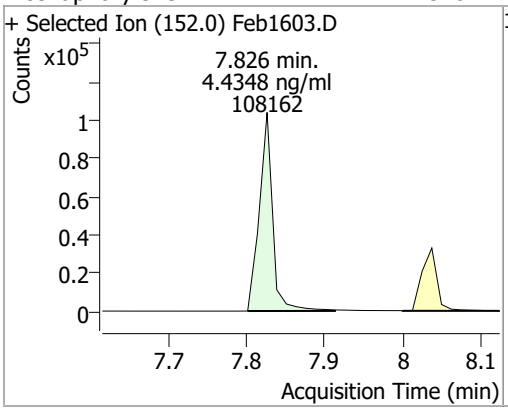
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	4.9682	7.25	-0.01	104743	171.0	37.4	26.3	48.9

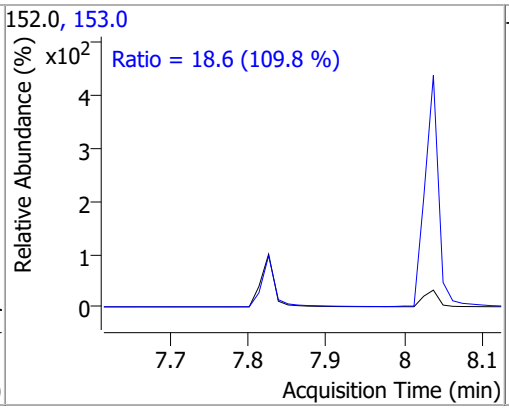


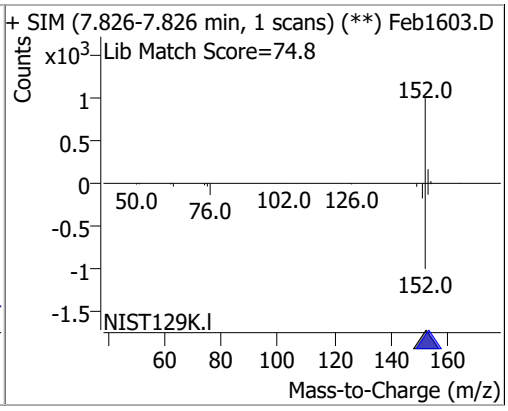




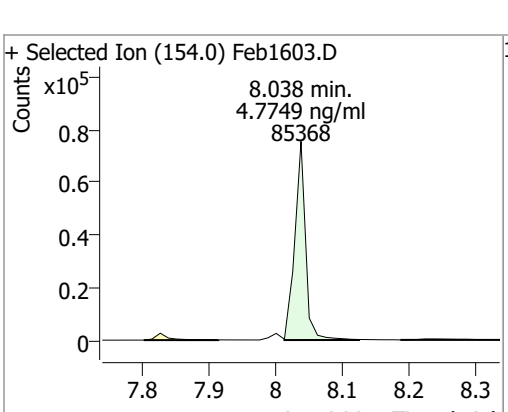
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	4.4348	7.83	0.00	108162	153.0	18.6	11.8	22.0

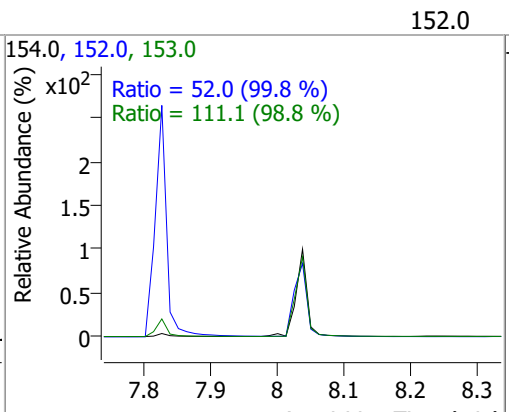


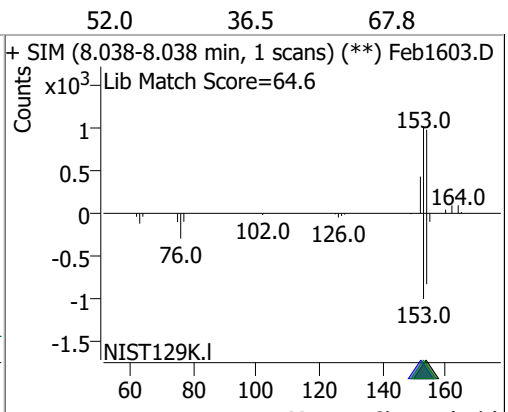




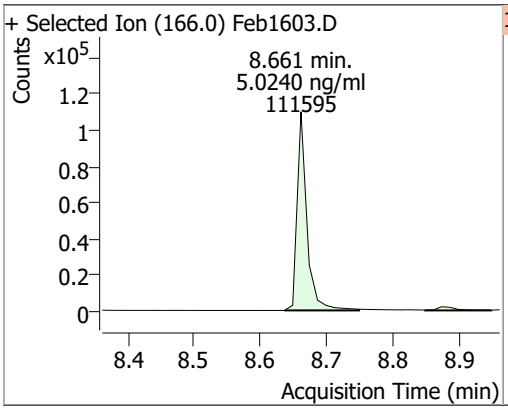
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	4.7749	8.04	0.00	85368	153.0	111.1	78.7	146.2
					152.0	52.0	36.5	67.8

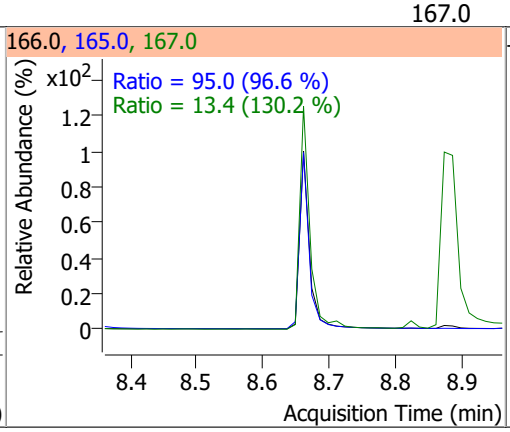


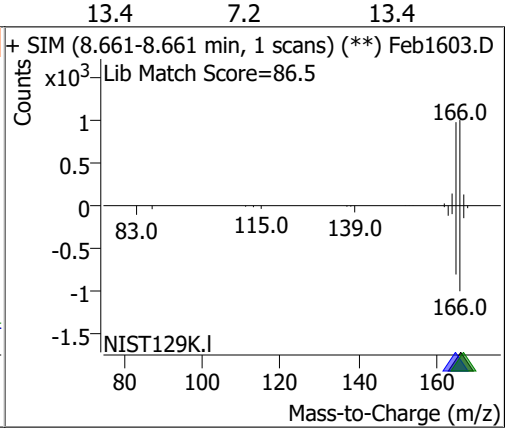




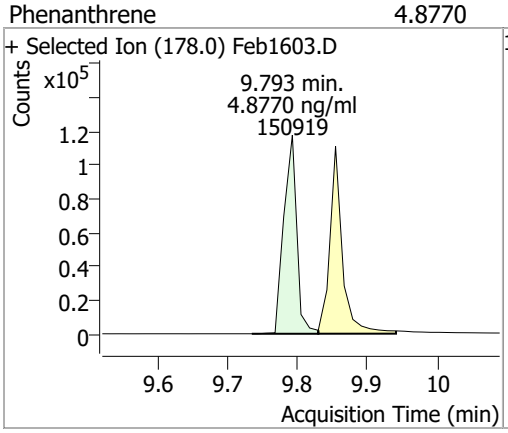
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	5.0240	8.66	0.00	111595	165.0	95.0	68.8	127.8
					167.0	13.4	7.2	13.4

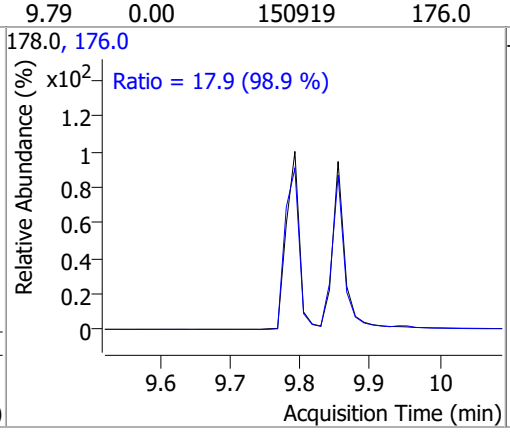


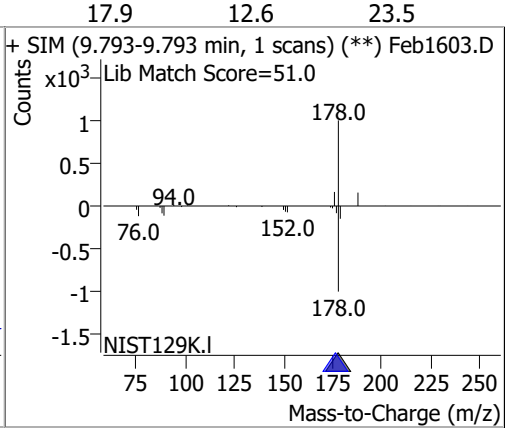




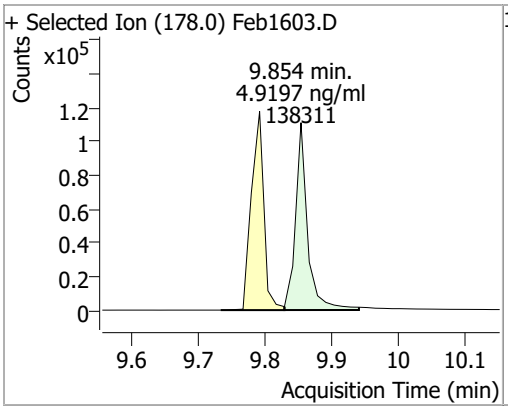
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	4.8770	9.79	0.00	150919	176.0	17.9	12.6	23.5

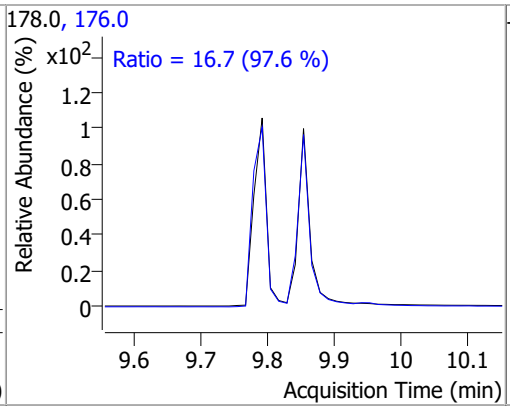


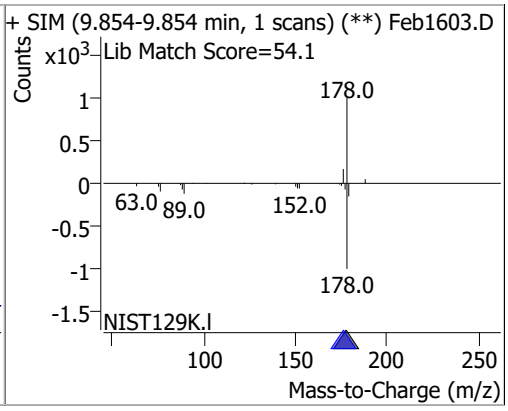




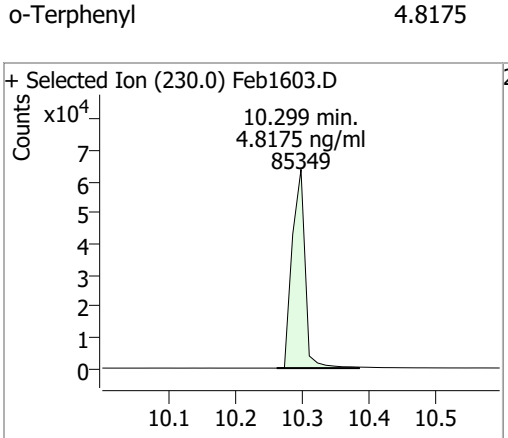
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	4.9197	9.85	0.00	138311	176.0	16.7	12.0	22.3

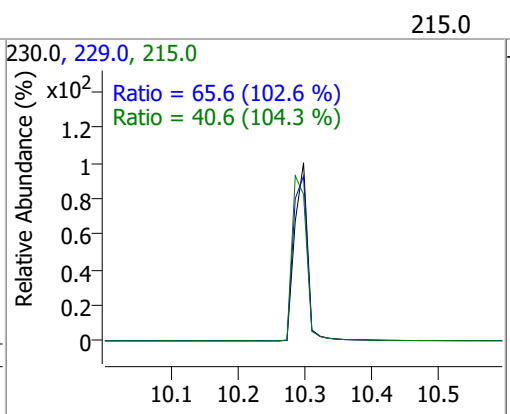


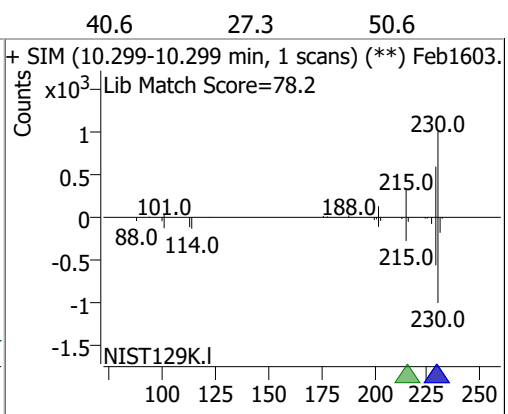




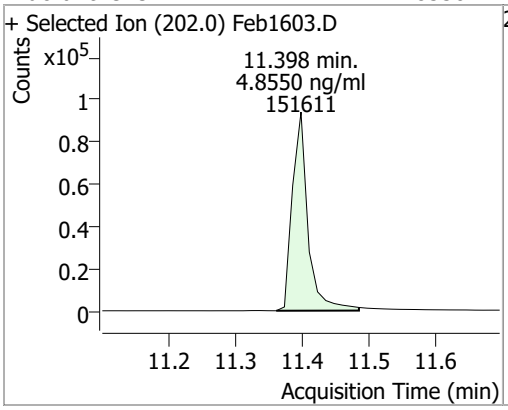
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	4.8175	10.30	0.00	85349	229.0	65.6	44.8	83.1
					215.0	40.6	27.3	50.6

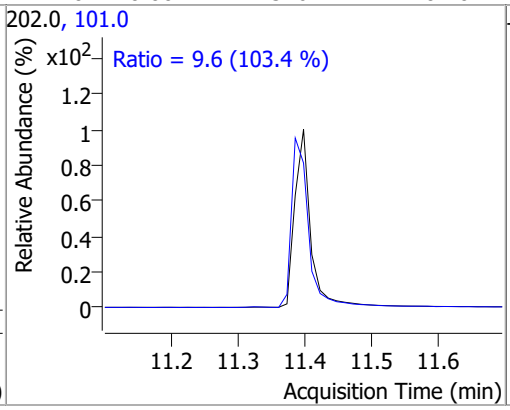


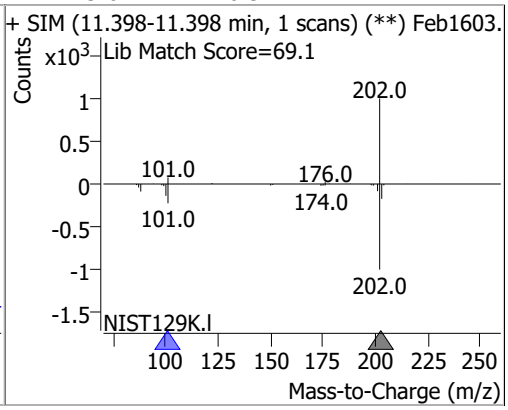




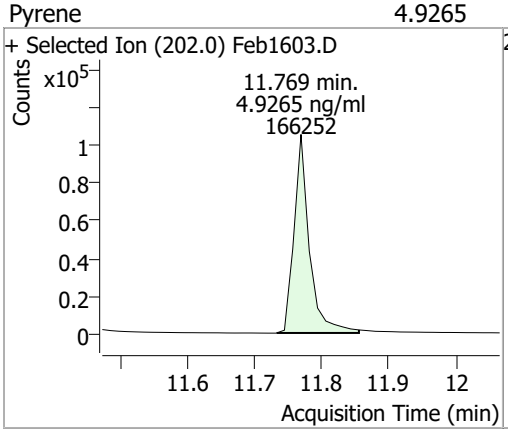
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	4.8550	11.40	0.00	151611	101.0	9.6	6.5	12.1

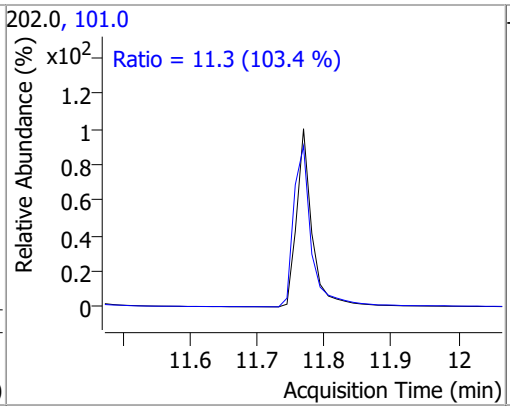


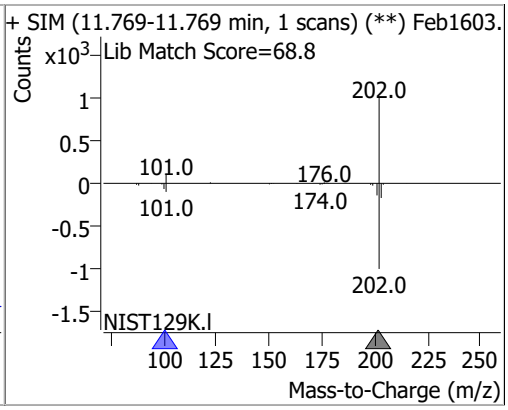




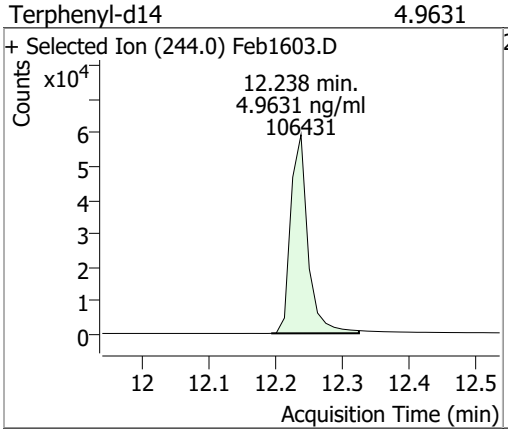
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	4.9265	11.77	0.00	166252	101.0	11.3	7.6	14.2

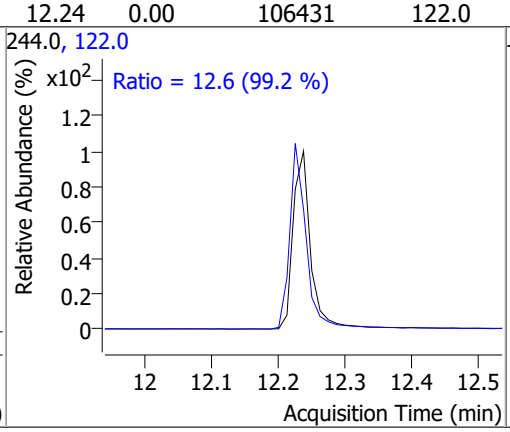


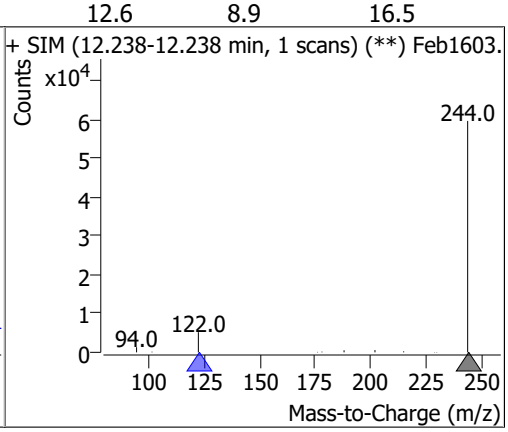




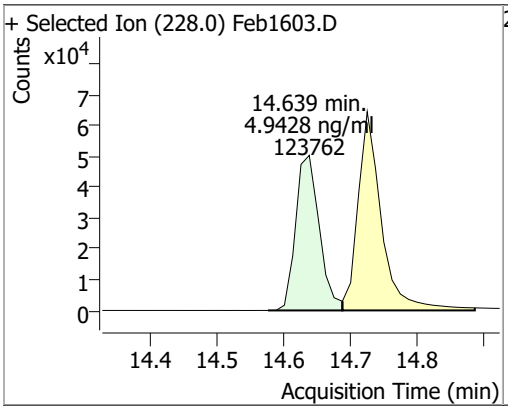
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	4.9631	12.24	0.00	106431	122.0	12.6	8.9	16.5

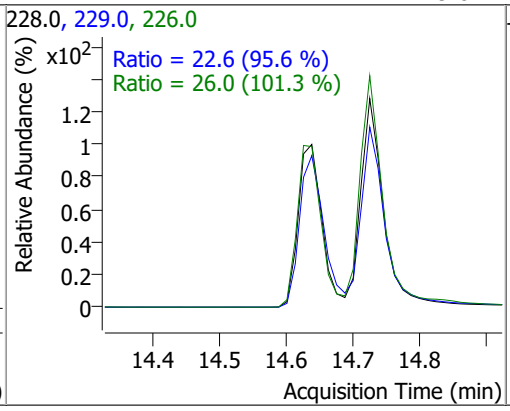


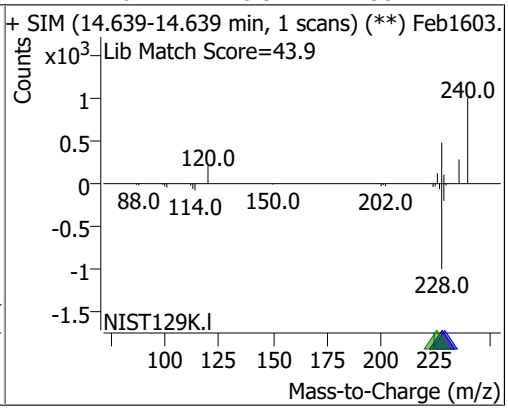




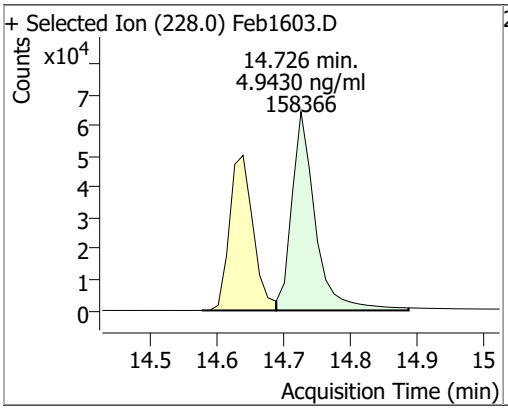
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	4.9428	14.64	0.01	123762	226.0	26.0	18.0	33.4
					229.0	22.6	16.5	30.7

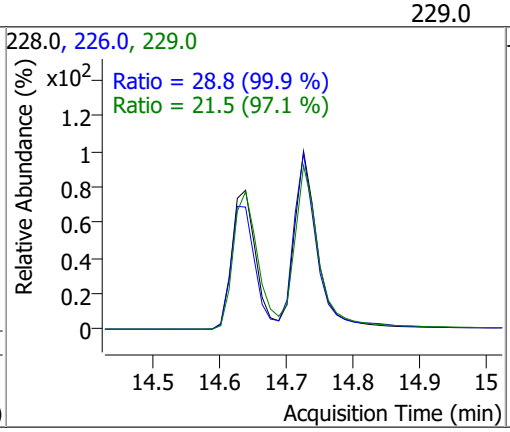


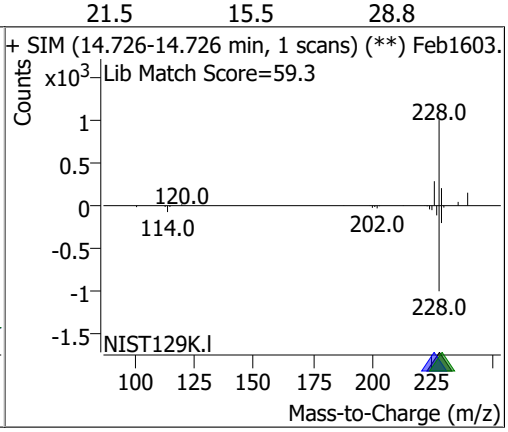




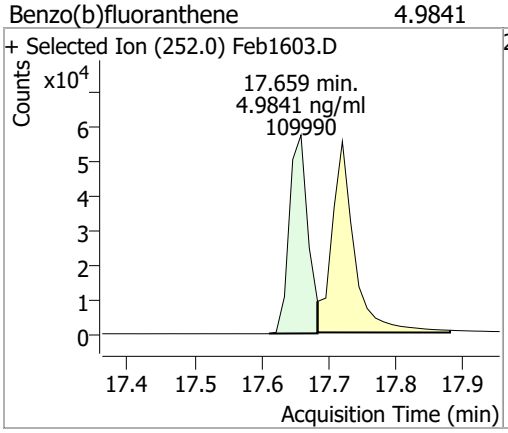
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	4.9430	14.73	0.00	158366	226.0	28.8	20.2	37.5
					229.0	21.5	15.5	28.8

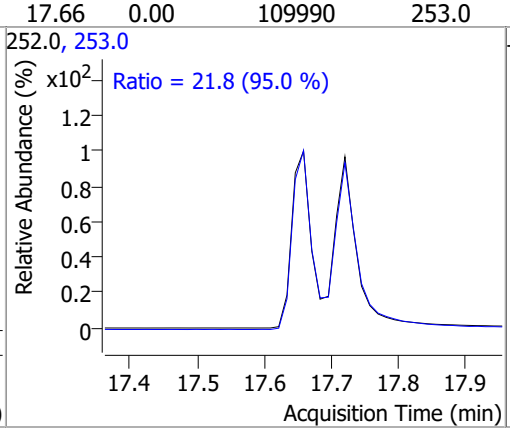


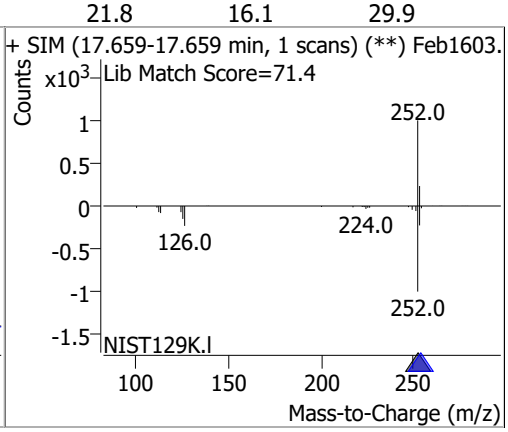




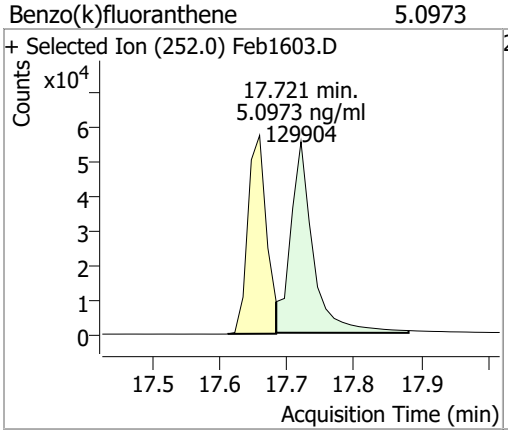
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	4.9841	17.66	0.00	109990	253.0	21.8	16.1	29.9

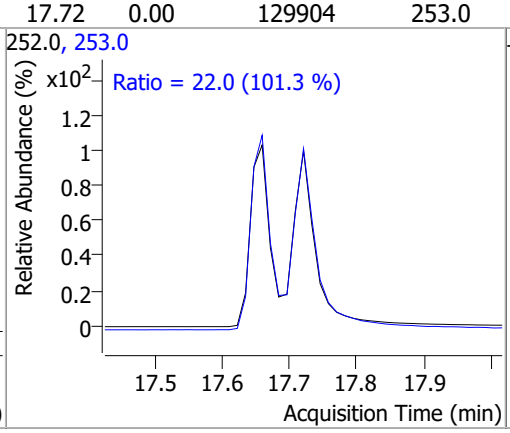


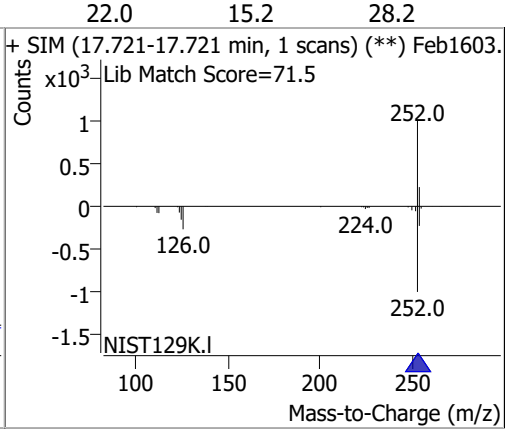




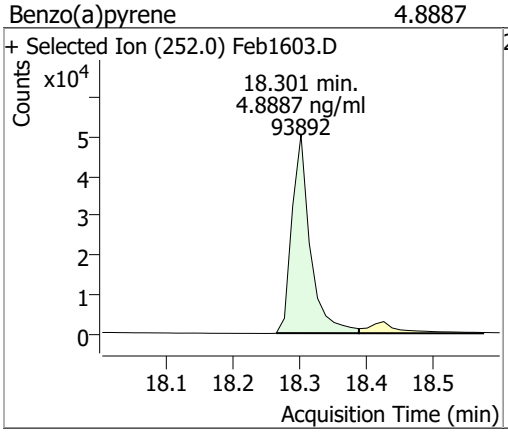
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	5.0973	17.72	0.00	129904	253.0	22.0	15.2	28.2

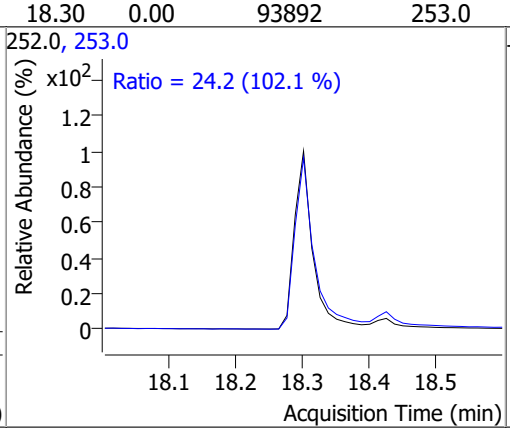


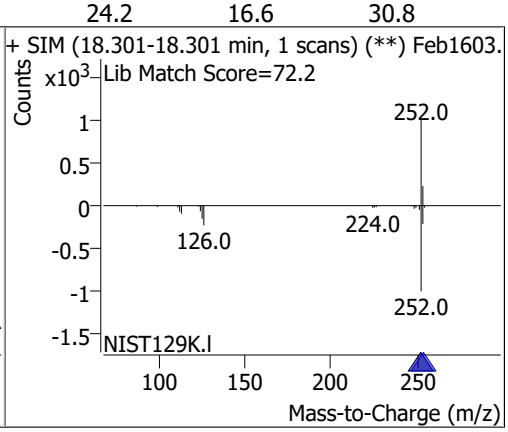




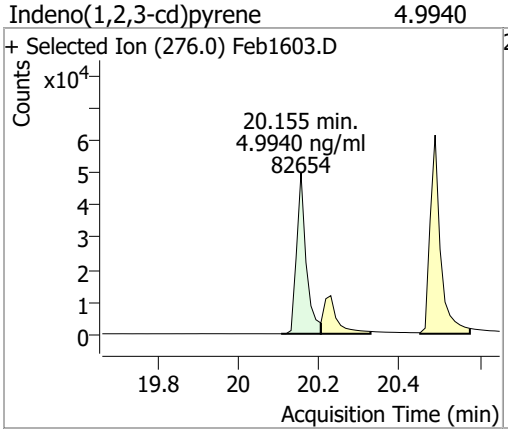
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	4.8887	18.30	0.00	93892	253.0	24.2	16.6	30.8

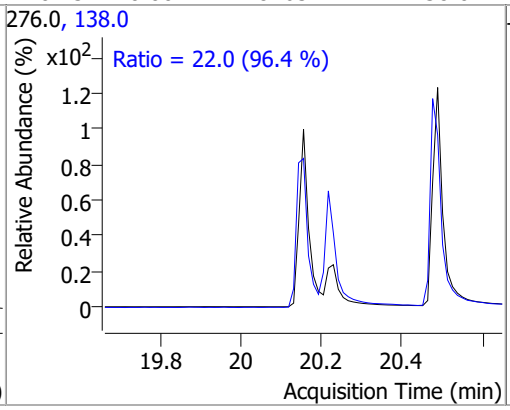


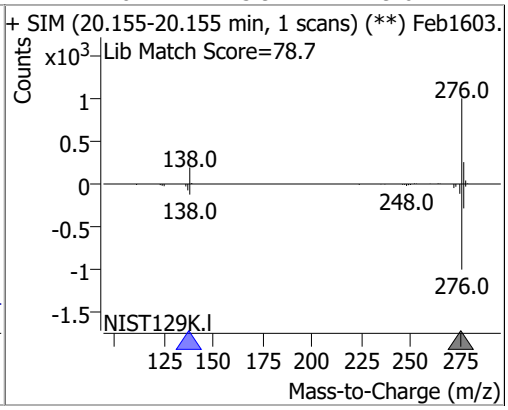




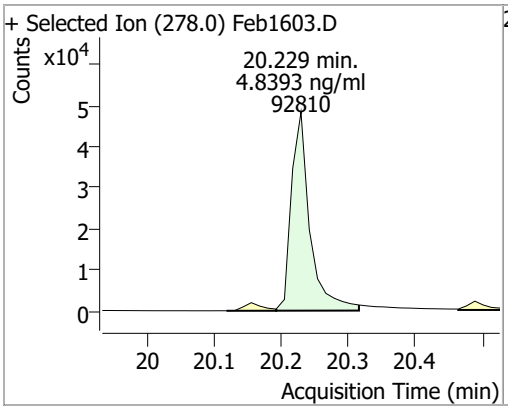
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	4.9940	20.15	0.00	82654	138.0	22.0	15.9	29.6

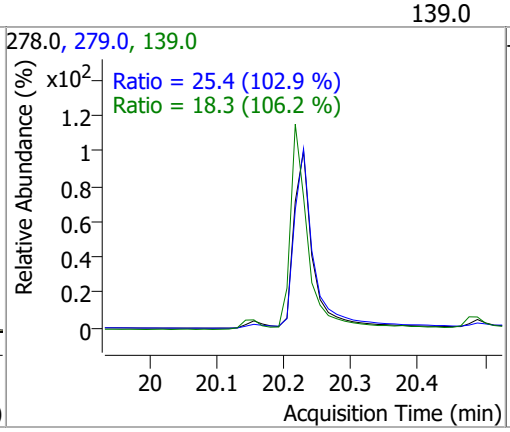


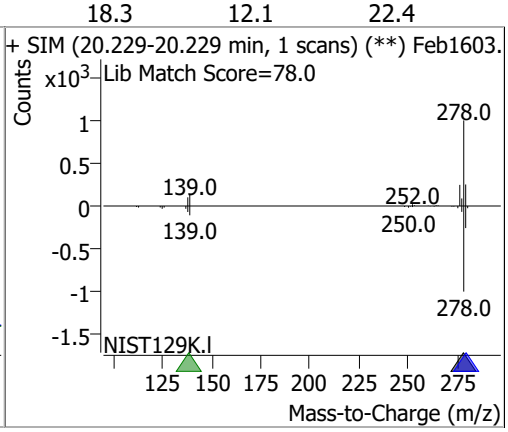




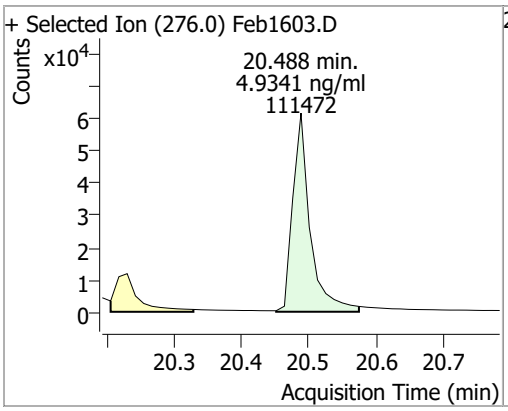
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	4.8393	20.23	0.00	92810	279.0	25.4	17.3	32.0
					139.0	18.3	12.1	22.4

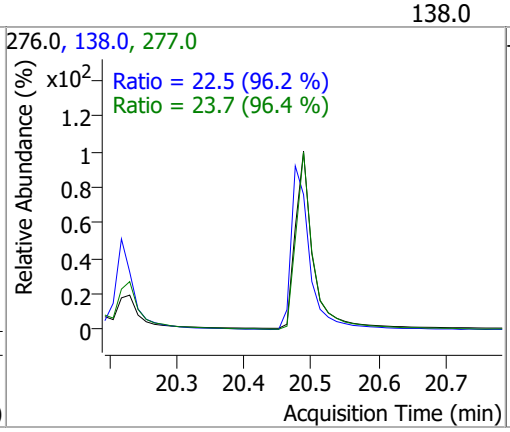


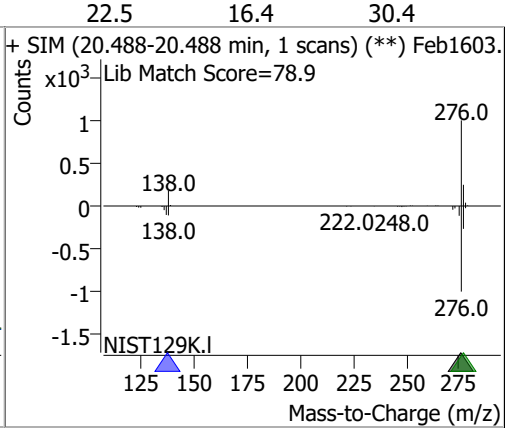




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	4.9341	20.49	0.00	111472	277.0	23.7	17.2	32.0
					138.0	22.5	16.4	30.4

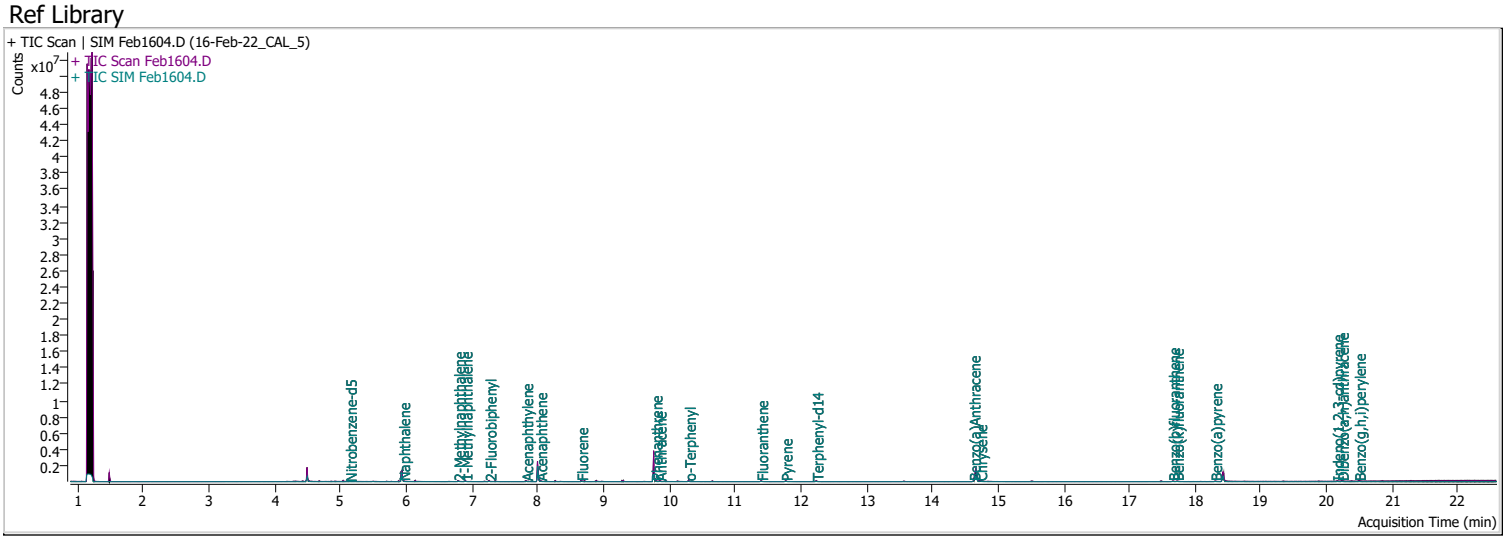






Quantitation Results Report (QT Reviewed)

Data File	Feb1604.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 2:09:22 PM
Sample Name	16-Feb-22_CAL_5	Instrument	GCMS
Vial	4	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

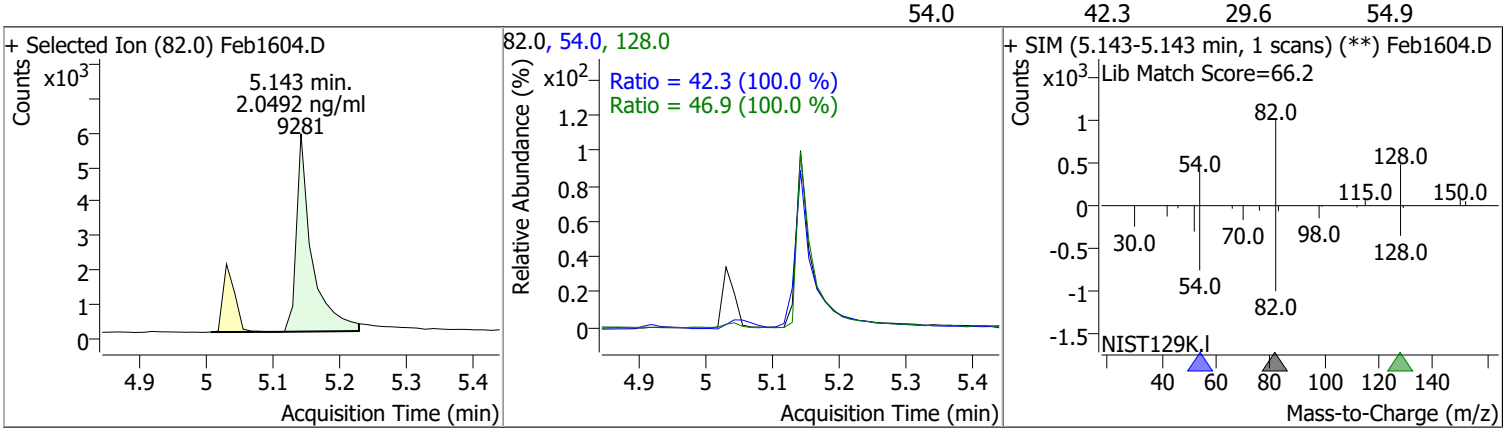


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1,4-Dichlorobenzene-d4	4.497	152.0	222406	40.0000	ng/ml	0.000
M Naphthalene-d8	5.928	136.0	1018242	40.0000	ng/ml	0.000
M Acenaphthene-d10	8.001	164.0	732530	40.0000	ng/ml	0.000
M Phenanthrene-d10	9.768	188.0	1295201	40.0000	ng/ml	0.000
M Chrysene-d12	14.664	240.0	1059265	40.0000	ng/ml	0.000
M Perylene-d12	18.425	264.0	685373	40.0000	ng/ml	0.000
System Monitoring Compounds						
S Nitrobenzene-d5	5.143	82.0	9281	2.0492	ng/ml	0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 40.98%		
S 2-Fluorobiphenyl	7.265	172.0	38465	1.9977	ng/ml	0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 39.95%		
S o-Terphenyl	10.299	230.0	36540	2.0874	ng/ml	0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 41.75%		
S Terphenyl-d14	12.238	244.0	42029	2.0144	ng/ml	0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 40.29%		
Target Compounds						**QValue**
T Naphthalene	5.953	128.0	49829	2.0256	ng/ml	100
T 2-Methylnaphthalene	6.790	141.0	32312	2.0451	ng/ml	100
T 1-Methylnaphthalene	6.902	141.0	32729	1.8807	ng/ml	100
T Acenaphthylene	7.826	152.0	47249	1.9993	ng/ml	100
T Acenaphthene	8.038	154.0	35485	1.9773	ng/ml	100
T Fluorene	8.661	166.0	42740	2.0285	ng/ml	100
T Phenanthrene	9.793	178.0	61122	2.0280	ng/ml	100
T Anthracene	9.854	178.0	55860	2.0354	ng/ml	100
T Fluoranthene	11.398	202.0	61168	2.0733	ng/ml	100
T Pyrene	11.769	202.0	68912	2.0500	ng/ml	100
T Benzo(a)Anthracene	14.627	228.0	51152	2.0182	ng/ml	100
T Chrysene	14.726	228.0	64350	1.9915	ng/ml	100
T Benzo(b)fluoranthene	17.659	252.0	42687	2.0361	ng/ml	100

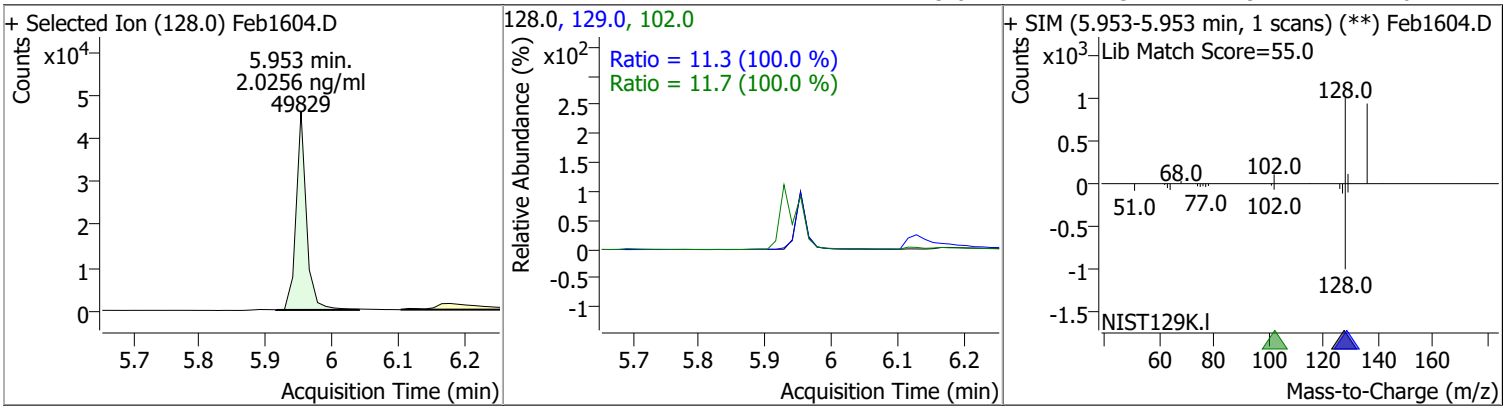
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.721	252.0	49891	1.9656	ng/ml	100
T Benzo(a)pyrene	18.302	252.0	36965	2.0343	ng/ml	100
T Indeno(1,2,3-cd)pyrene	20.155	276.0	30927	1.9859	ng/ml	100
T Dibenzo(a,h)anthracene	20.229	278.0	37654	2.0616	ng/ml	100
T Benzo(g,h,i)perylene	20.489	276.0	43515	1.9682	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

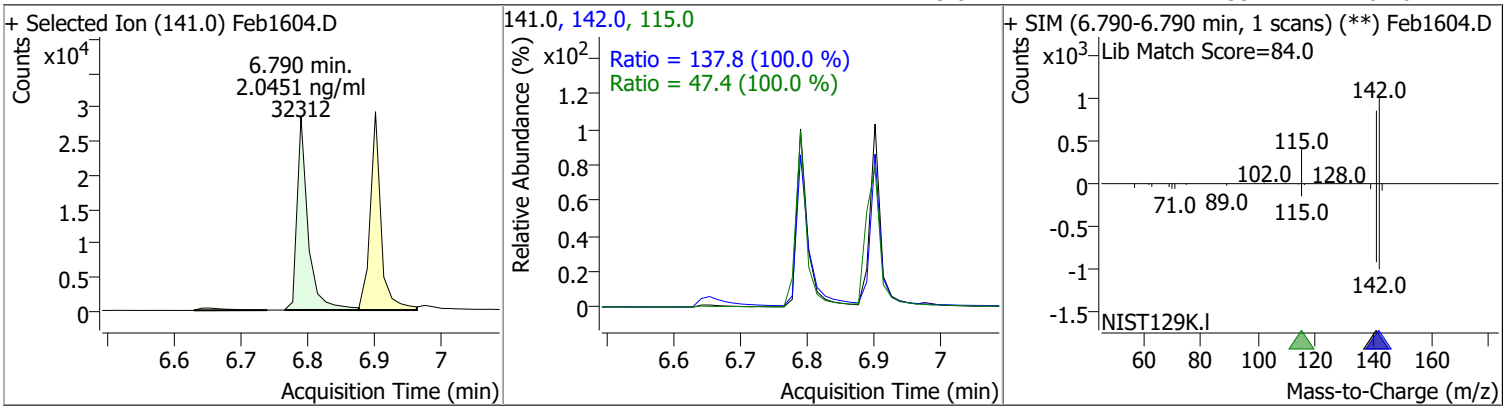
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	2.0492	5.14	0.00	9281	128.0	46.9	32.9	61.0
					54.0	42.3	29.6	54.9



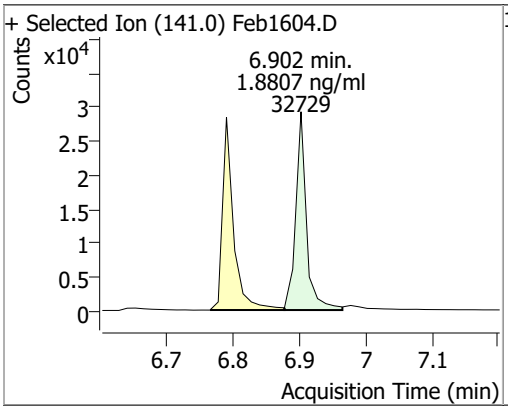
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	2.0256	5.95	0.00	49829	102.0	11.7	0.0	35.2
					129.0	11.3	7.9	14.6

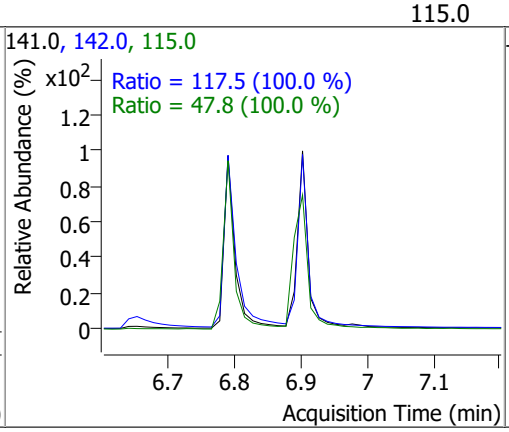


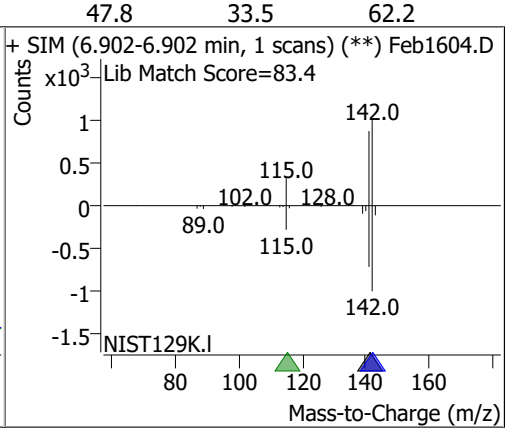
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	2.0451	6.79	0.00	32312	142.0	137.8	96.5	179.2
					115.0	47.4	33.2	61.6



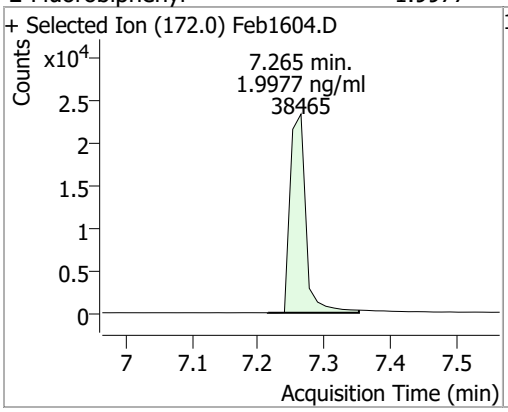
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	1.8807	6.90	0.00	32729	142.0	117.5	82.3	152.8
					115.0	47.8	33.5	62.2

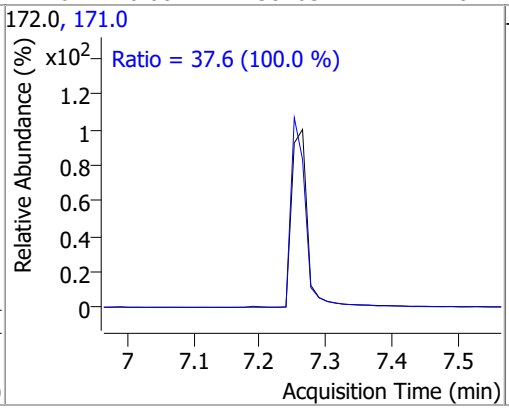


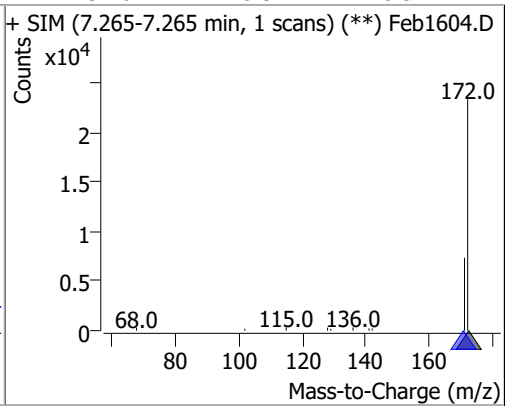




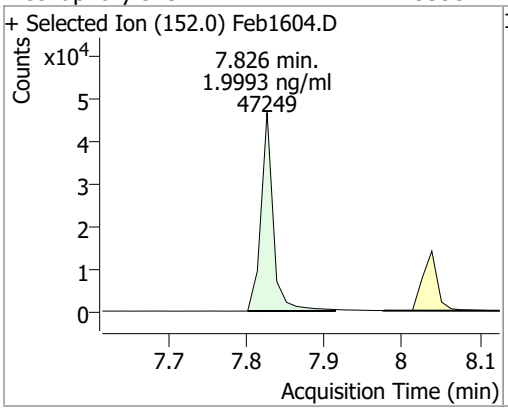
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	1.9977	7.26	0.00	38465	171.0	37.6	26.3	48.9

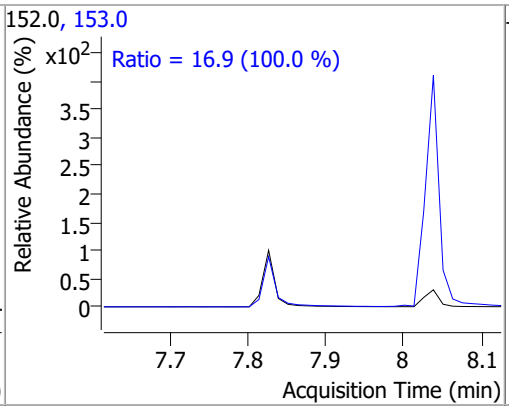


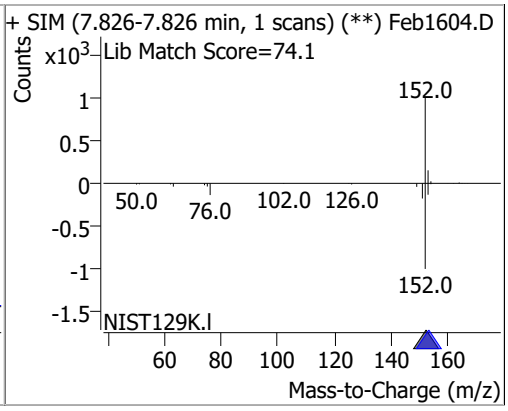




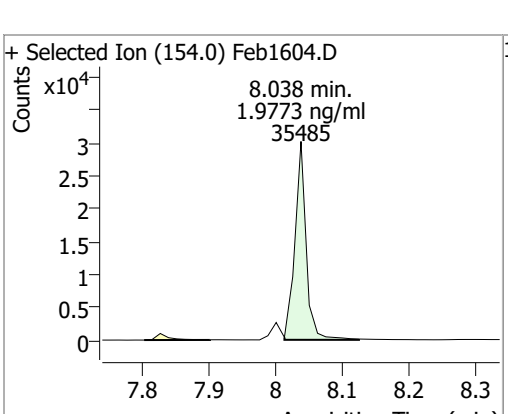
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	1.9993	7.83	0.00	47249	153.0	16.9	11.8	22.0

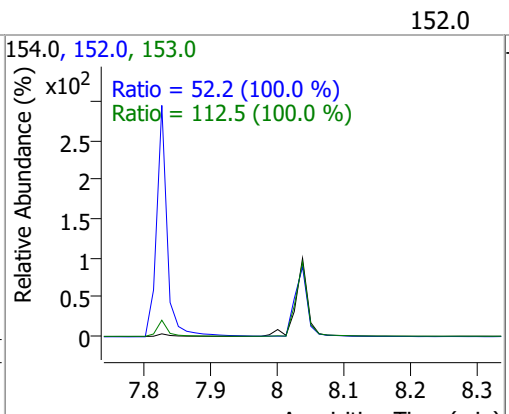


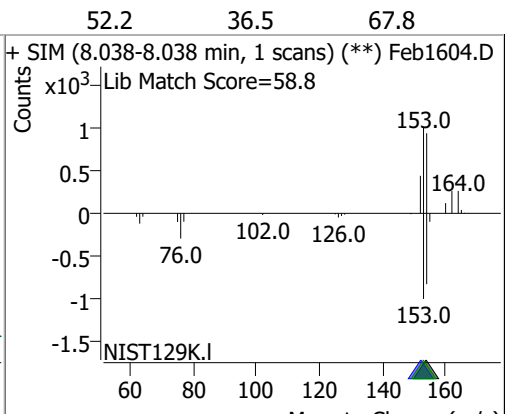




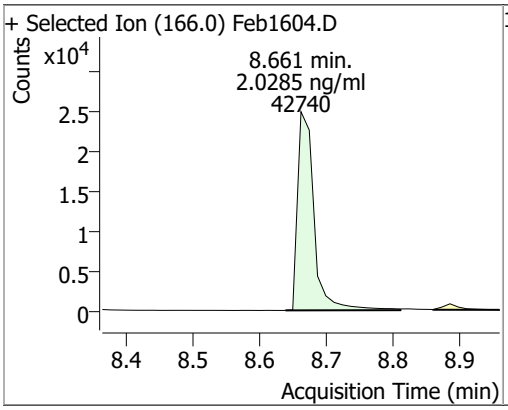
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	1.9773	8.04	0.00	35485	153.0	112.5	78.7	146.2
					152.0	52.2	36.5	67.8

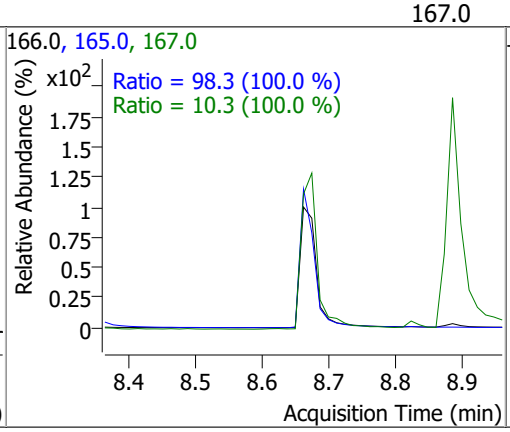


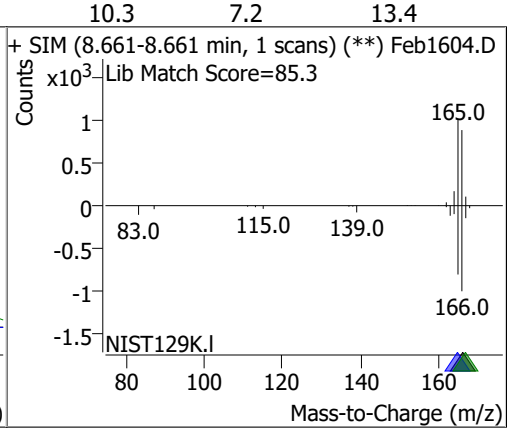




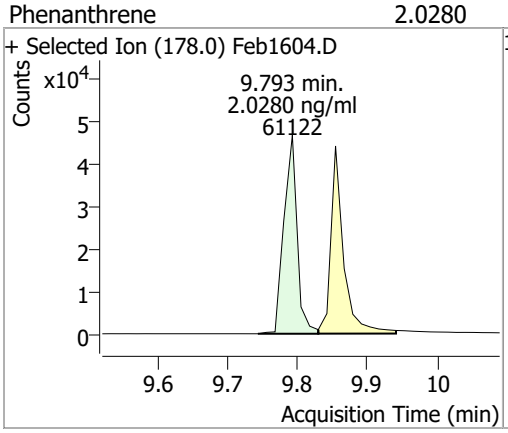
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	2.0285	8.66	0.00	42740	165.0	98.3	68.8	127.8
					167.0	10.3	7.2	13.4

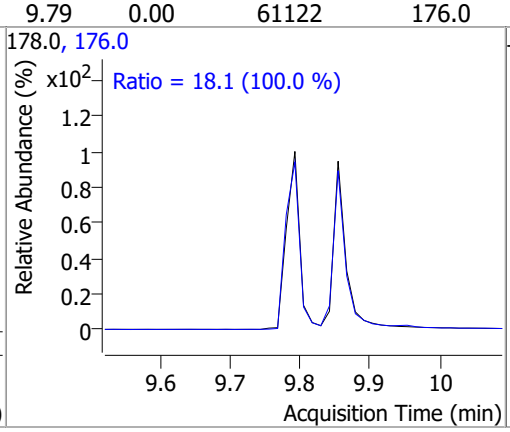


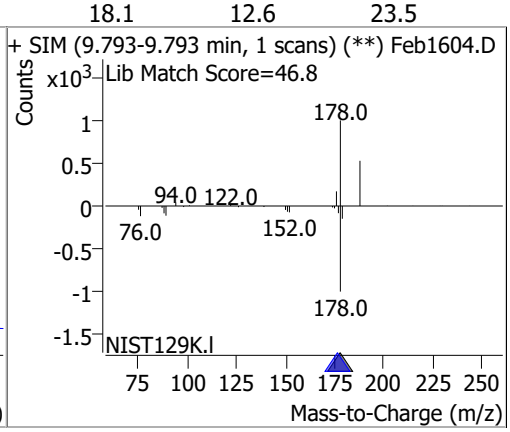




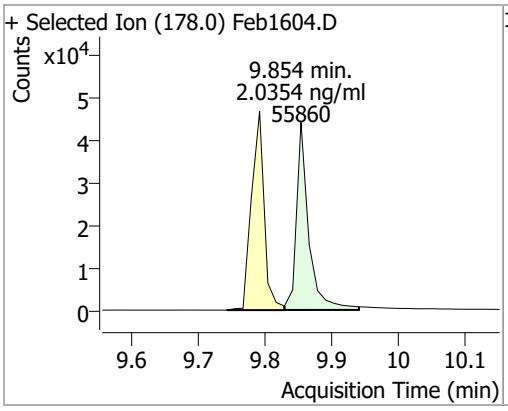
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	2.0280	9.79	0.00	61122	176.0	18.1	12.6	23.5

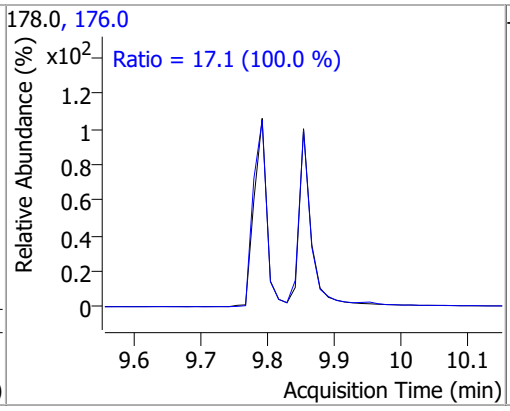


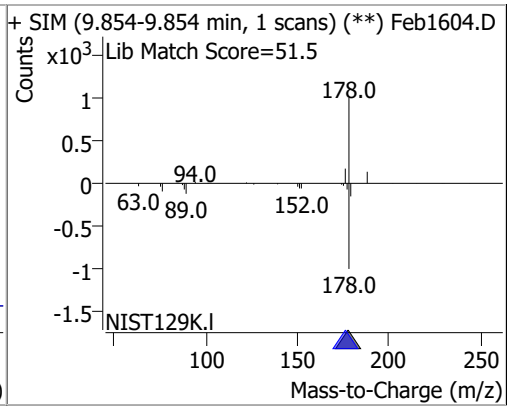




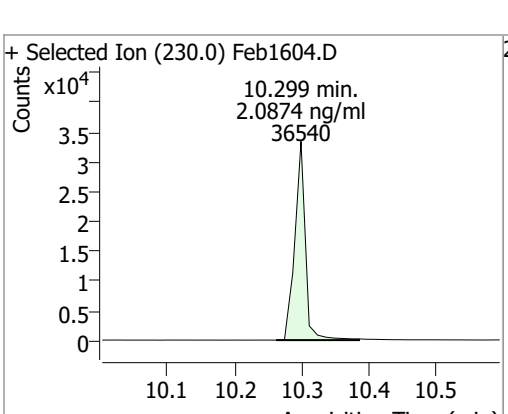
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	2.0354	9.85	0.00	55860	176.0	17.1	12.0	22.3

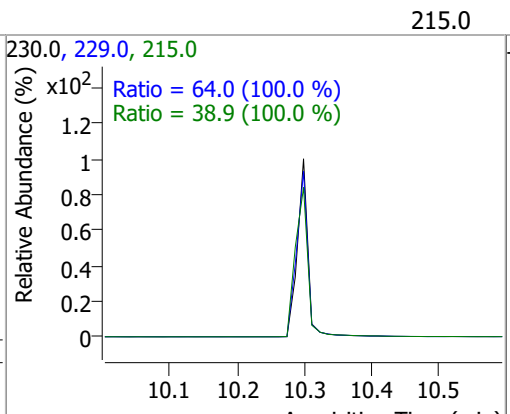


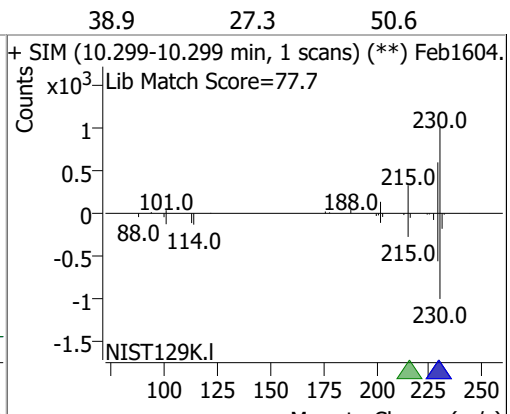




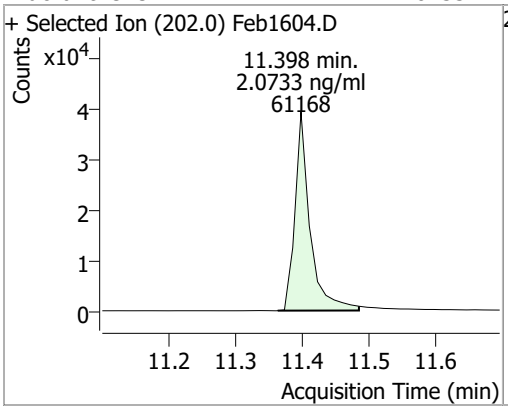
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	2.0874	10.30	0.00	36540	229.0	64.0	44.8	83.1
					215.0	38.9	27.3	50.6

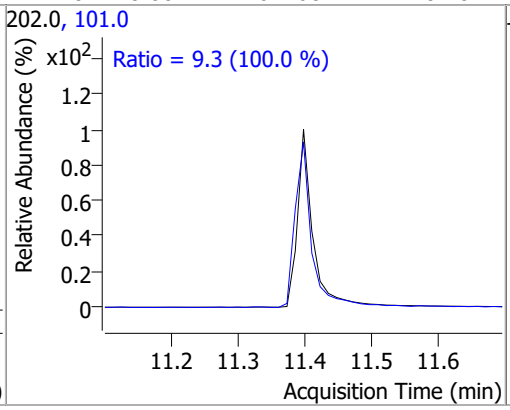


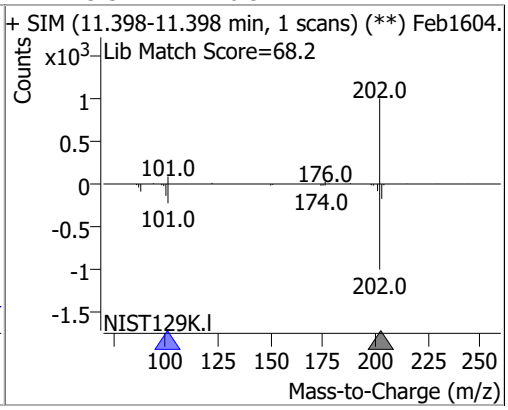




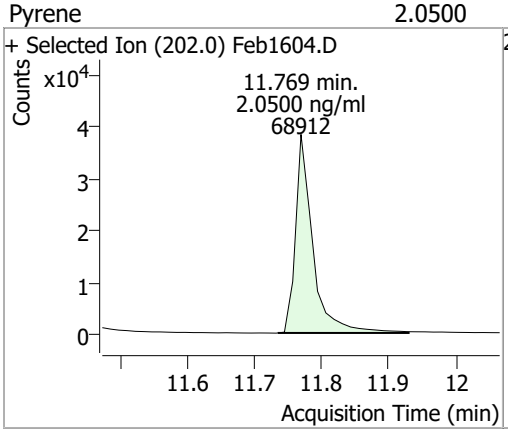
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	2.0733	11.40	0.00	61168	101.0	9.3	6.5	12.1

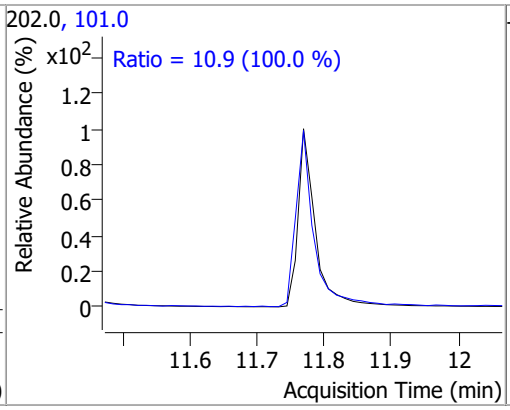


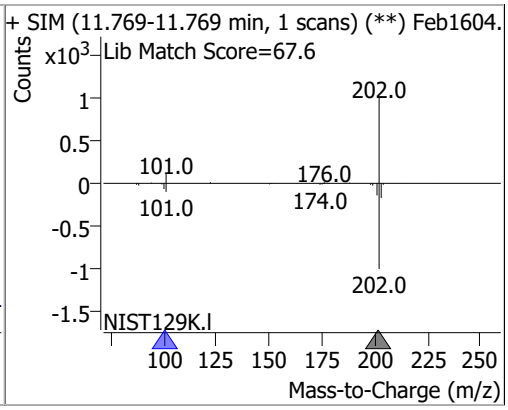




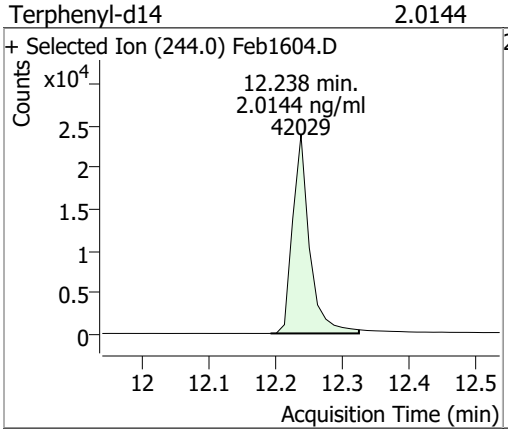
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	2.0500	11.77	0.00	68912	101.0	10.9	7.6	14.2

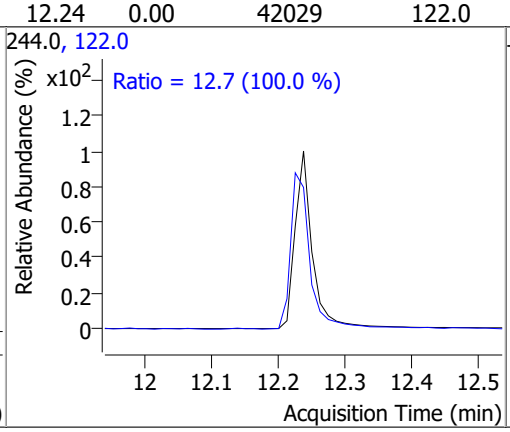


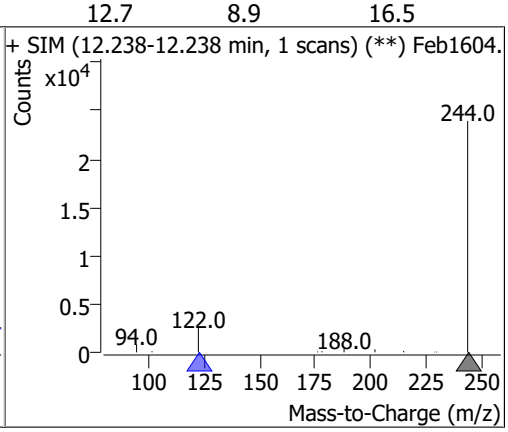




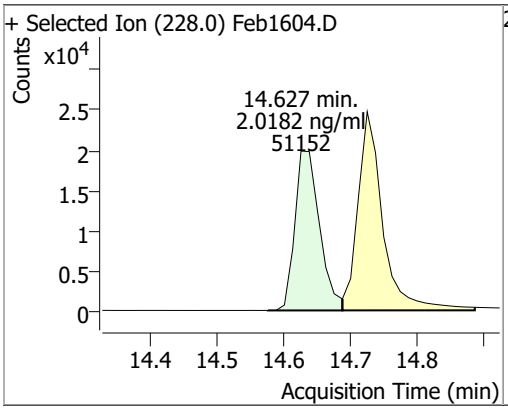
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	2.0144	12.24	0.00	42029	122.0	12.7	8.9	16.5

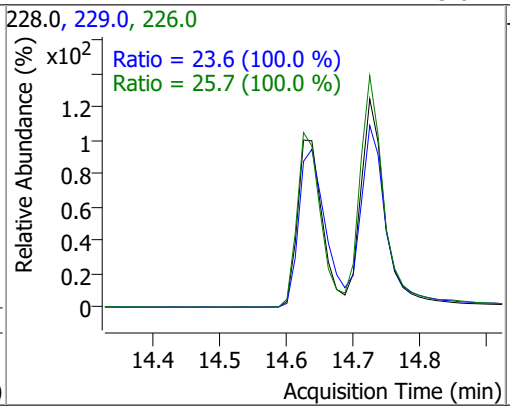


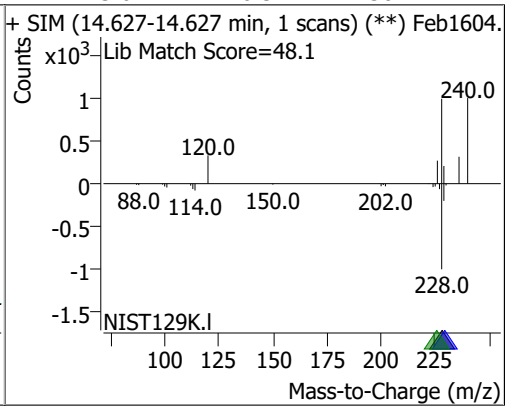




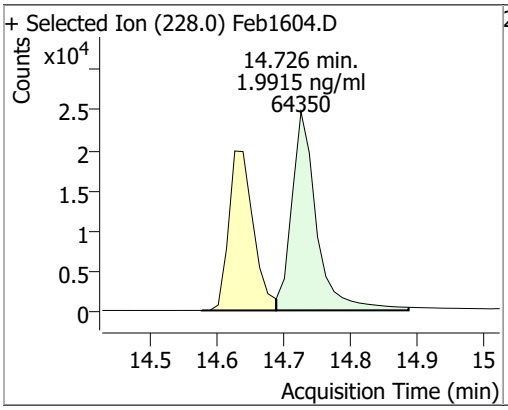
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	2.0182	14.63	0.00	51152	226.0	25.7	18.0	33.4
					229.0	23.6	16.5	30.7

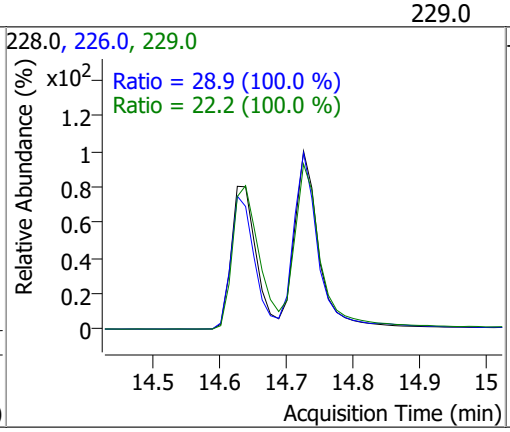


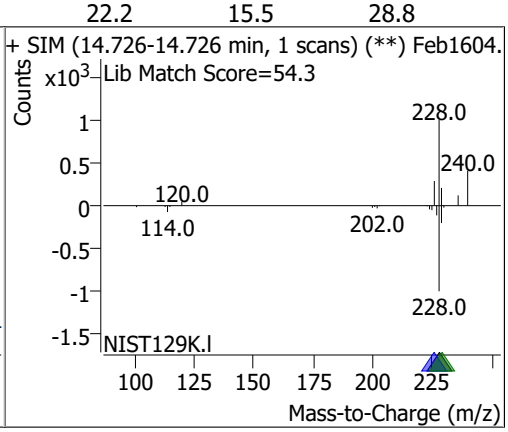




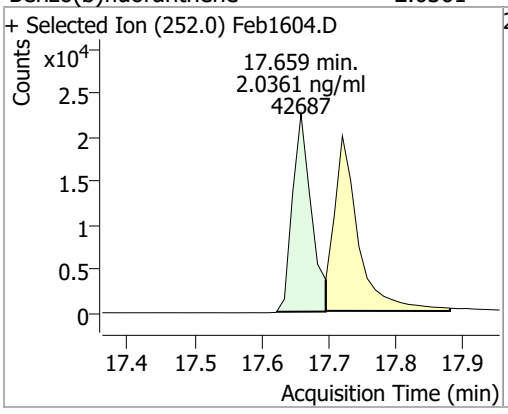
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	1.9915	14.73	0.00	64350	226.0	28.9	20.2	37.5
					229.0	22.2	15.5	28.8

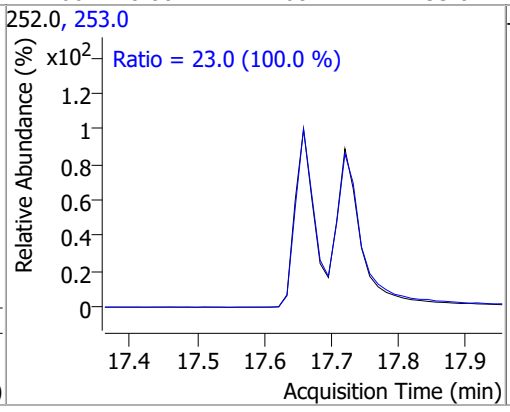


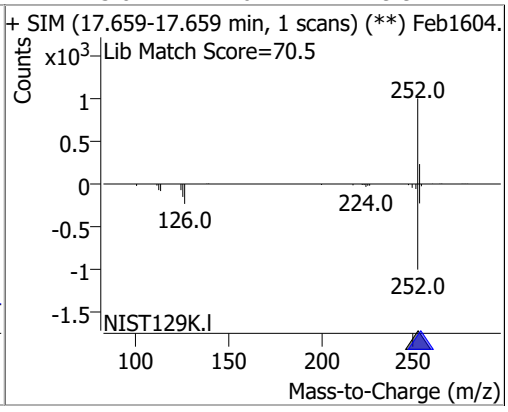




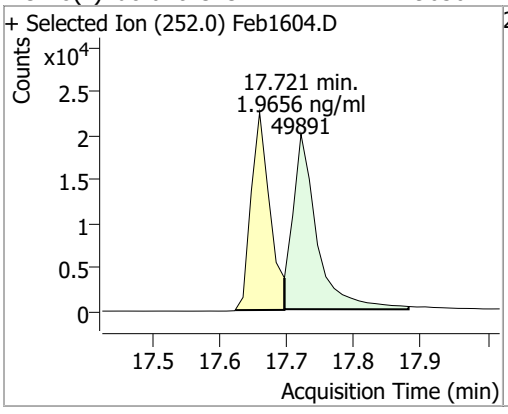
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	2.0361	17.66	0.00	42687	253.0	23.0	16.1	29.9

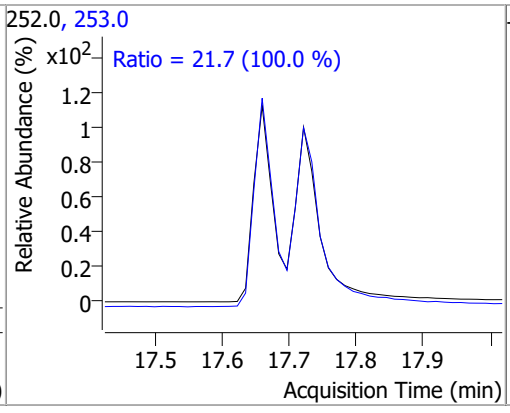


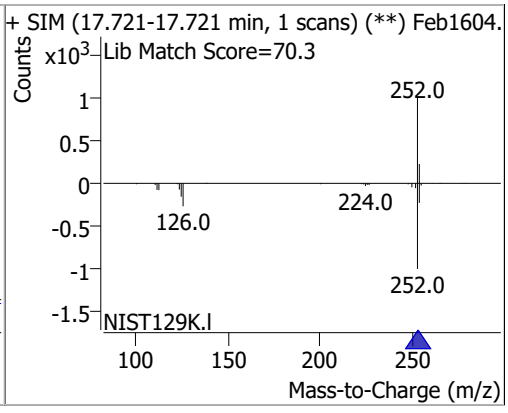




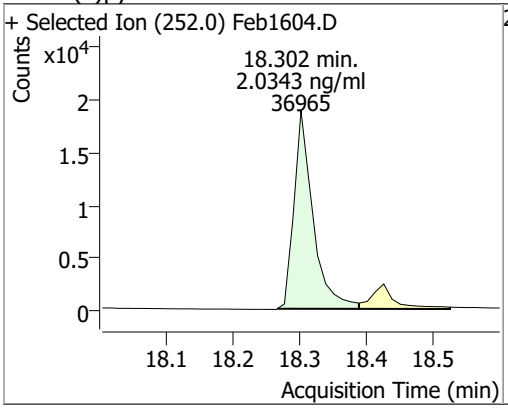
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	1.9656	17.72	0.00	49891	253.0	21.7	15.2	28.2

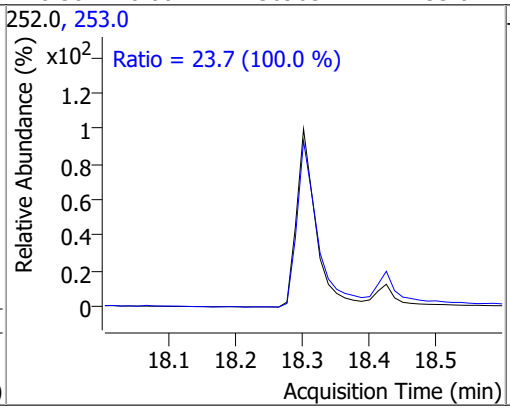


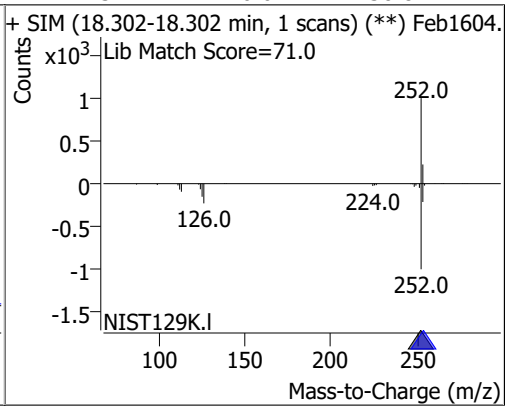




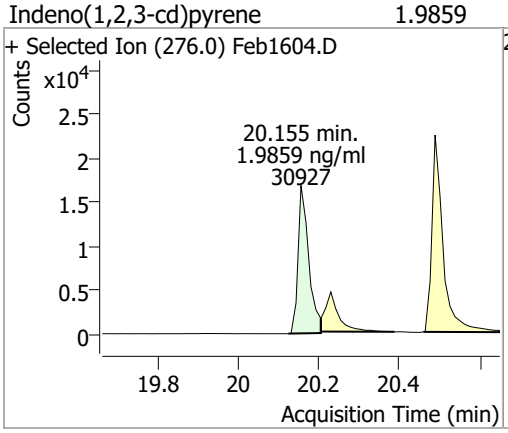
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	2.0343	18.30	0.00	36965	253.0	23.7	16.6	30.8

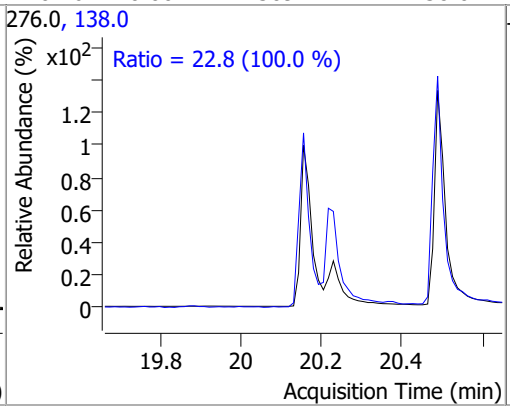


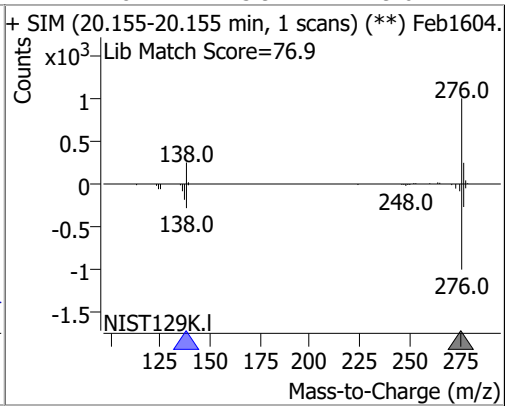




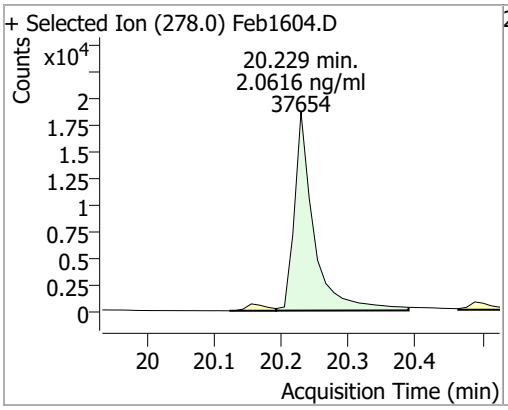
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	1.9859	20.16	0.00	30927	138.0	22.8	15.9	29.6

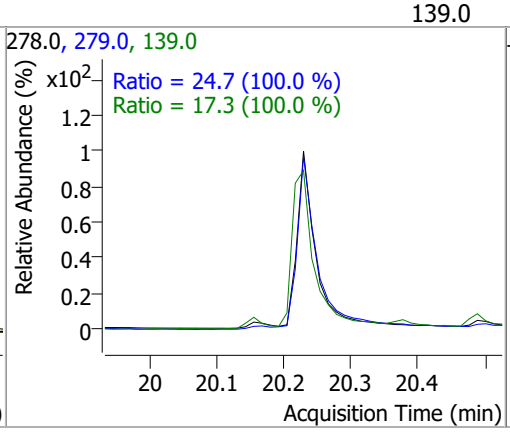


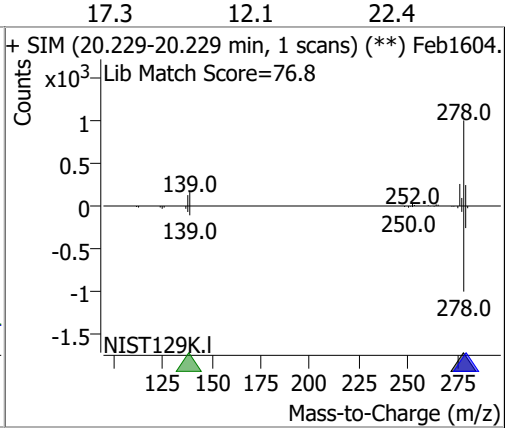




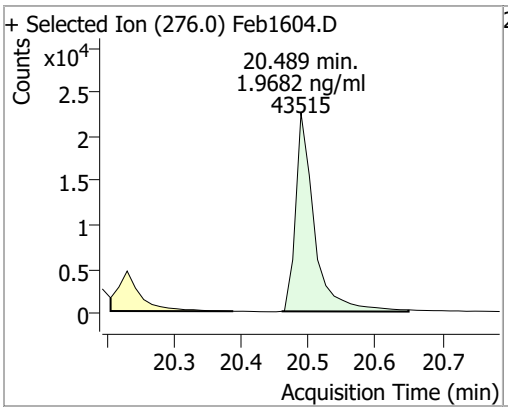
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	2.0616	20.23	0.00	37654	279.0	24.7	17.3	32.0
					139.0	17.3	12.1	22.4

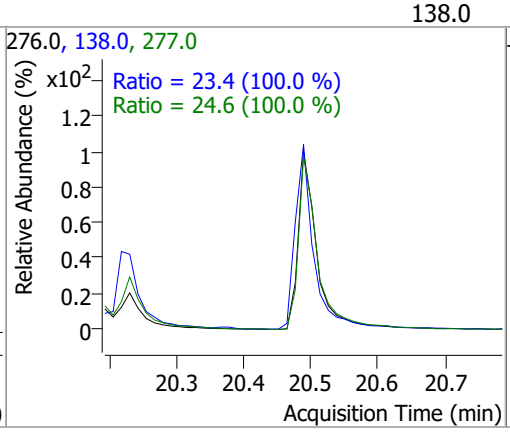


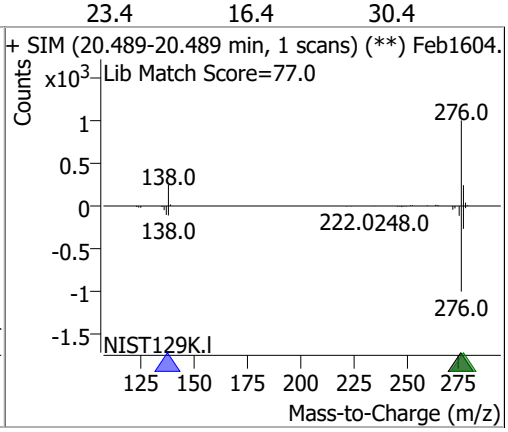




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	1.9682	20.49	0.00	43515	277.0	24.6	17.2	32.0
					138.0	23.4	16.4	30.4

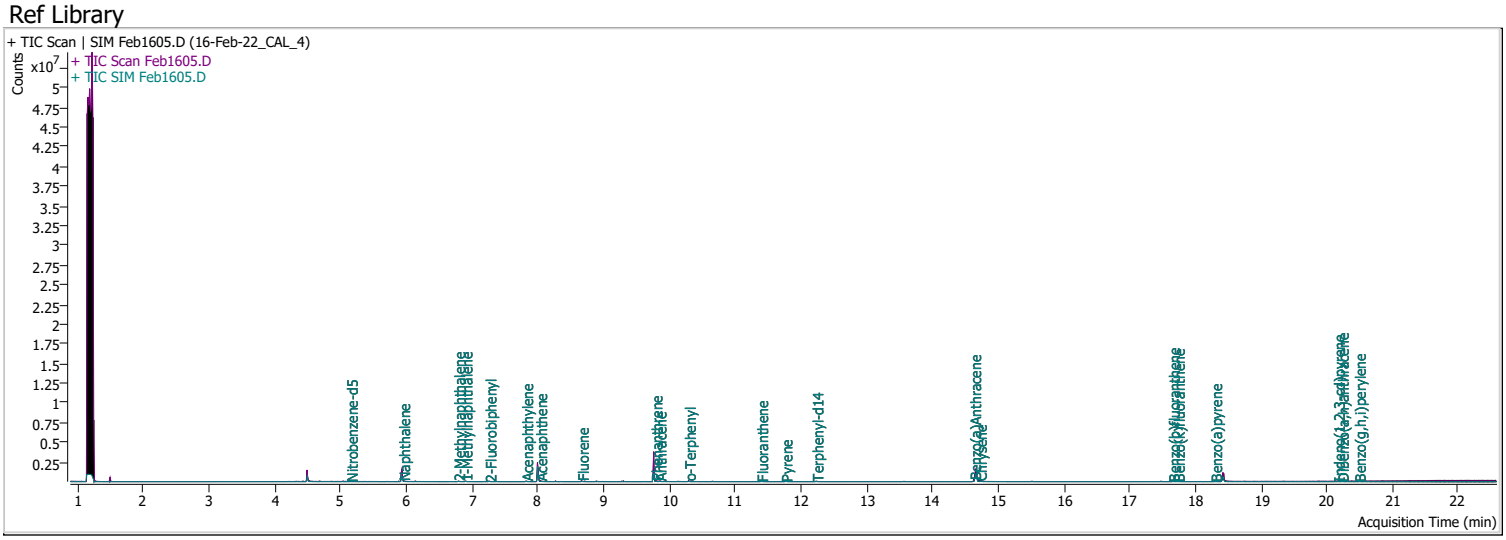






Quantitation Results Report (QT Reviewed)

Data File	Feb1605.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 2:41:46 PM
Sample Name	16-Feb-22_CAL_4	Instrument	GCMS
Vial	5	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

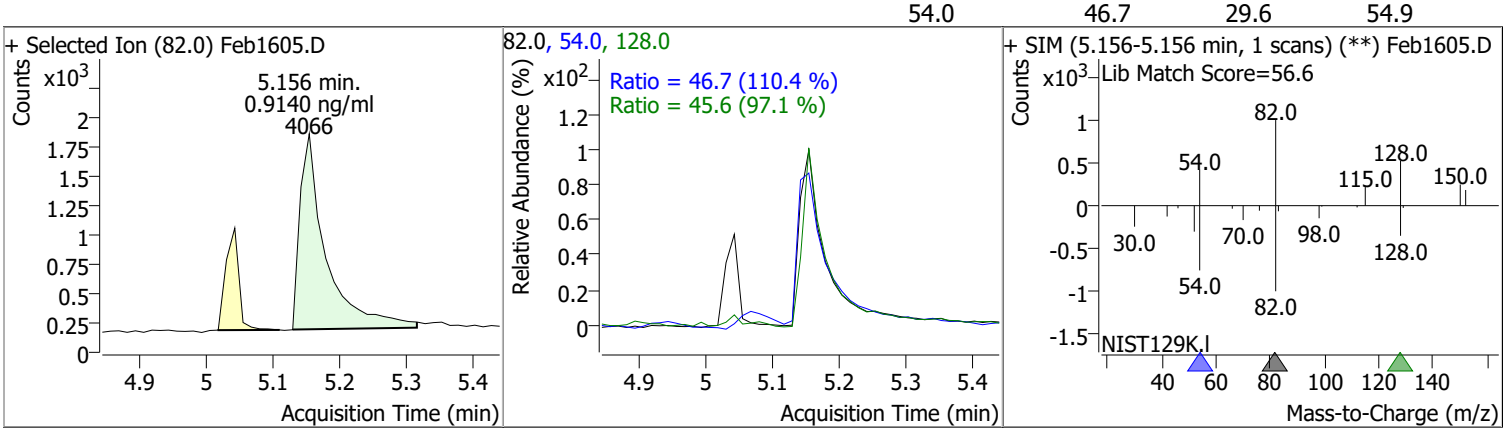


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	229900	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	983695	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.001	164.0	745688	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1335284	40.0000	ng/ml		0.000
M Chrysene-d12	14.664	240.0	1067934	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	675276	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.156	82.0	4066	0.9140	ng/ml		0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 18.28%		*	
S 2-Fluorobiphenyl	7.265	172.0	19247	0.9930	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 19.86%		*	
S o-Terphenyl	10.299	230.0	19023	1.0357	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 20.71%		*	
S Terphenyl-d14	12.238	244.0	21325	1.0115	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 20.23%		*	
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	24985	1.0348	ng/ml		96
T 2-Methylnaphthalene	6.790	141.0	15572	1.0202	ng/ml		96
T 1-Methylnaphthalene	6.902	141.0	17675	1.0514	ng/ml		98
T Acenaphthylene	7.826	152.0	25126	1.0371	ng/ml		98
T Acenaphthene	8.038	154.0	18721	1.0009	ng/ml		97
T Fluorene	8.673	166.0	20113	0.9352	ng/ml		95
T Phenanthrene	9.793	178.0	32714	1.0352	ng/ml		99
T Anthracene	9.854	178.0	28916	1.0106	ng/ml		99
T Fluoranthene	11.398	202.0	31143	1.0261	ng/ml		100
T Pyrene	11.769	202.0	34637	1.0140	ng/ml		98
T Benzo(a)Anthracene	14.639	228.0	27451	1.0164	ng/ml		99
T Chrysene	14.726	228.0	34032	1.0295	ng/ml		99
T Benzo(b)fluoranthene	17.659	252.0	20374	1.0087	ng/ml		100

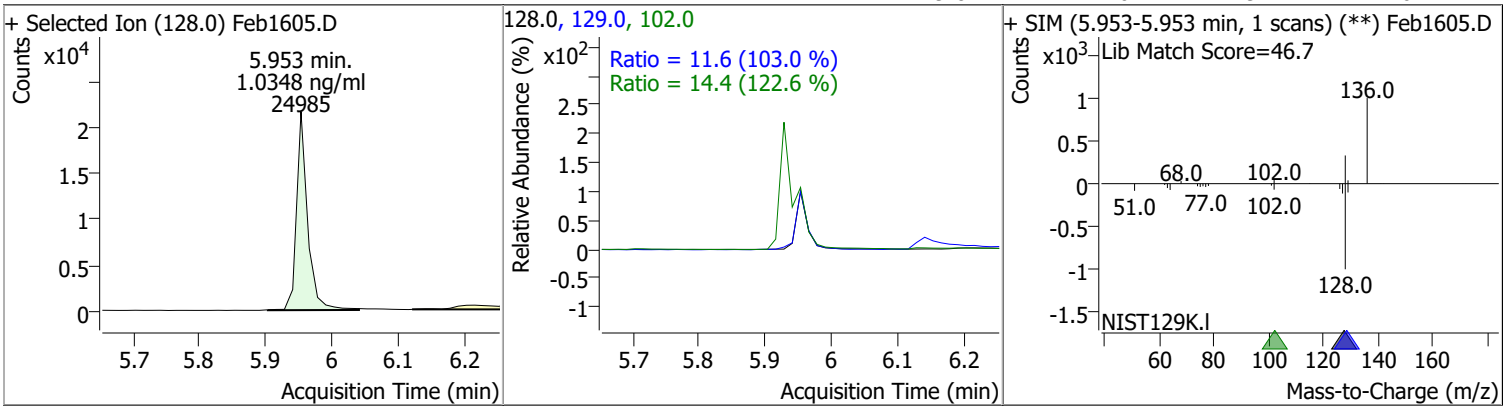
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.733	252.0	24241	0.9690	ng/ml	91
T Benzo(a)pyrene	18.302	252.0	18523	1.0508	ng/ml	100
T Indeno(1,2,3-cd)pyrene	20.167	276.0	15374	1.0233	ng/ml	99
T Dibenzo(a,h)anthracene	20.229	278.0	18367	1.0410	ng/ml	97
T Benzo(g,h,i)perylene	20.489	276.0	23085	1.0631	ng/ml	97

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

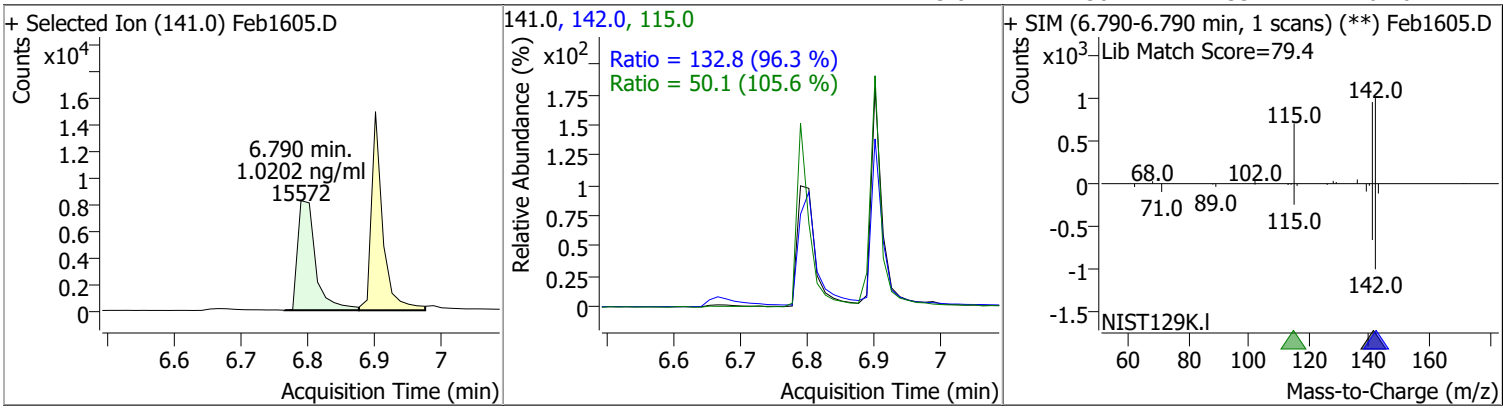
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	0.9140	5.16	0.01	4066	128.0	45.6	32.9	61.0
					54.0	46.7	29.6	54.9



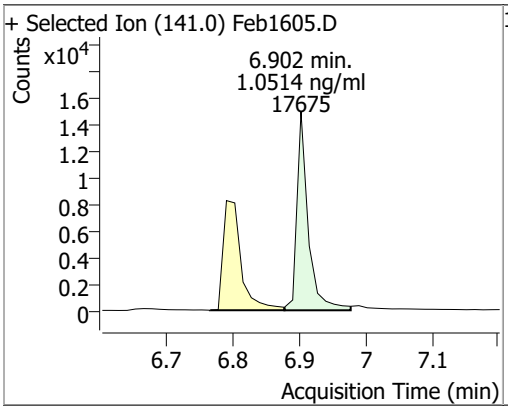
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	1.0348	5.95	0.00	24985	102.0	14.4	0.0	35.2
					129.0	11.6	7.9	14.6

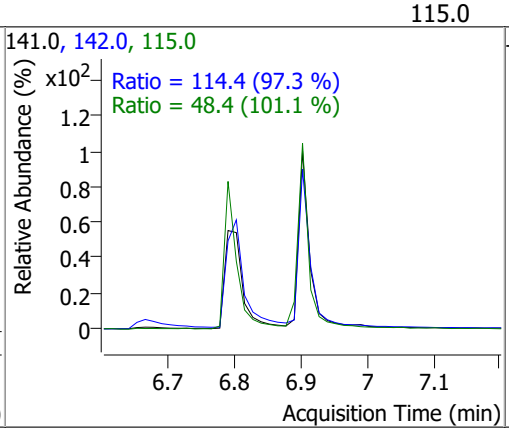


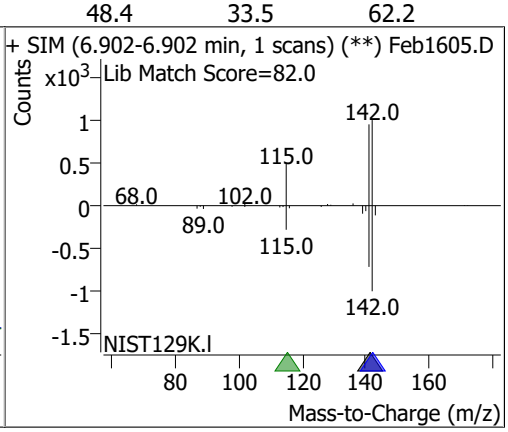
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	1.0202	6.79	0.00	15572	142.0	132.8	96.5	179.2
					115.0	50.1	33.2	61.6



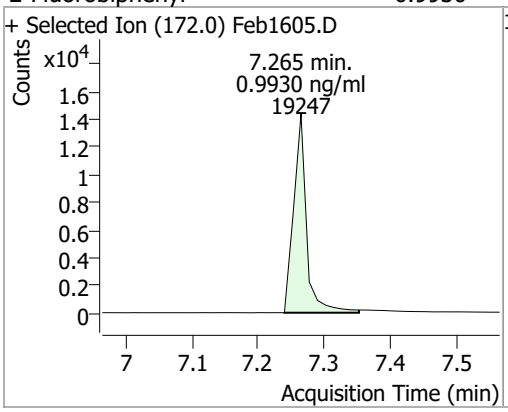
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	1.0514	6.90	0.00	17675	142.0	114.4	82.3	152.8
					115.0	48.4	33.5	62.2

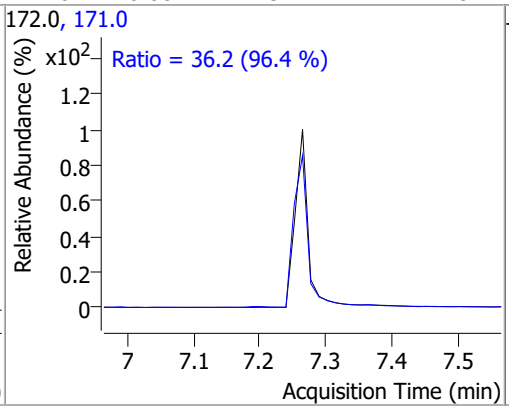


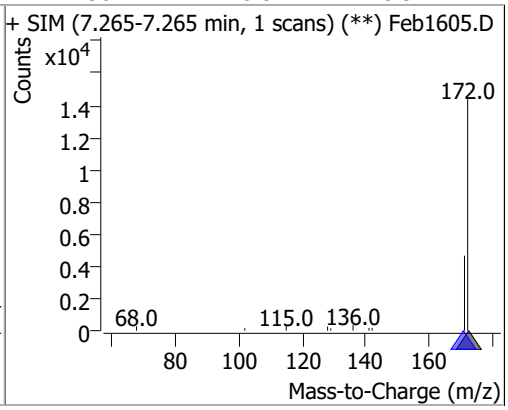




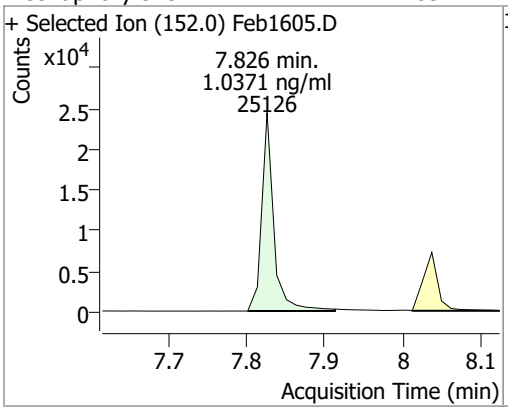
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	0.9930	7.26	0.00	19247	171.0	36.2	26.3	48.9

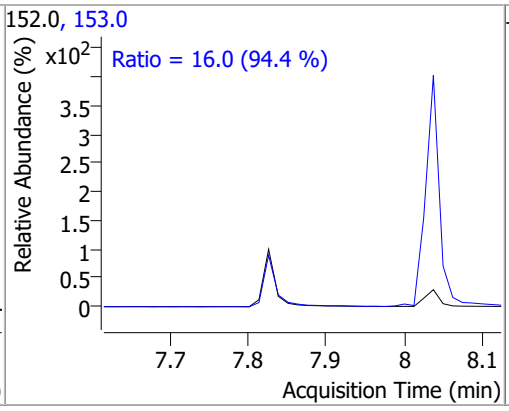


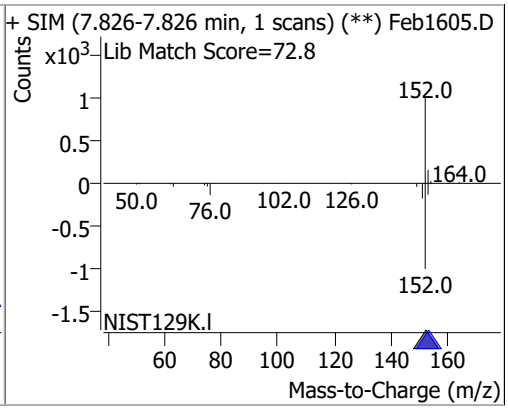




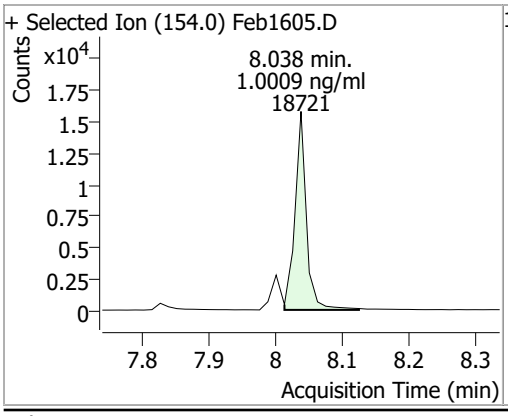
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	1.0371	7.83	0.00	25126	153.0	16.0	11.8	22.0

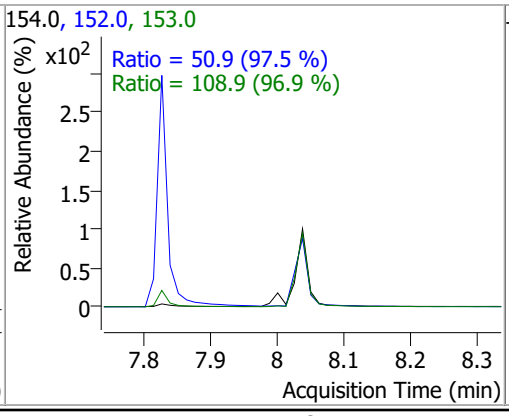


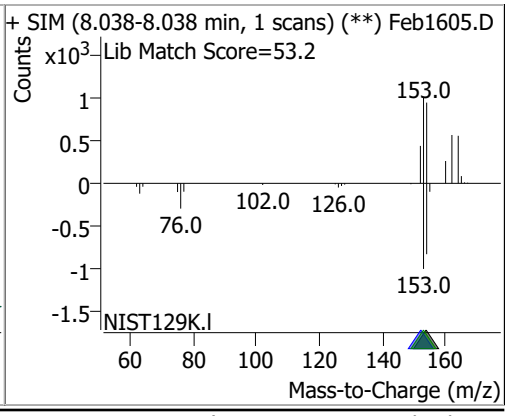




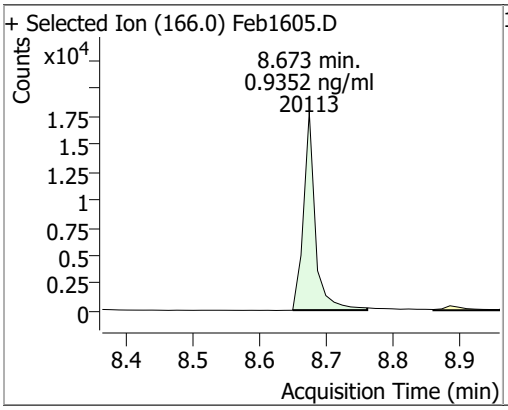
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	1.0009	8.04	0.00	18721	153.0	108.9	78.7	146.2
					152.0	50.9	36.5	67.8

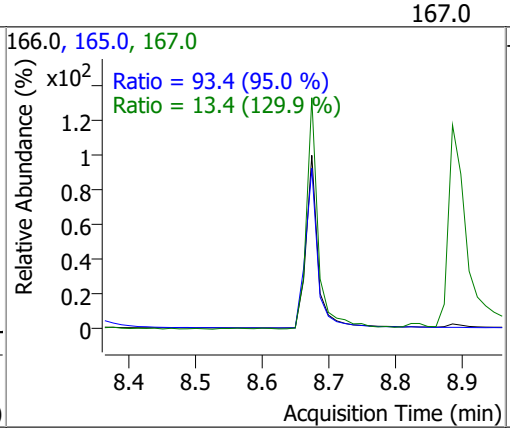


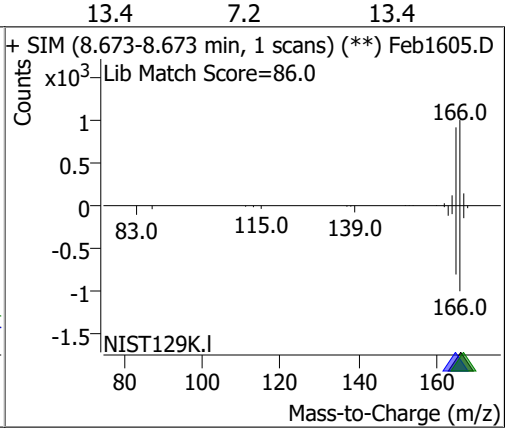




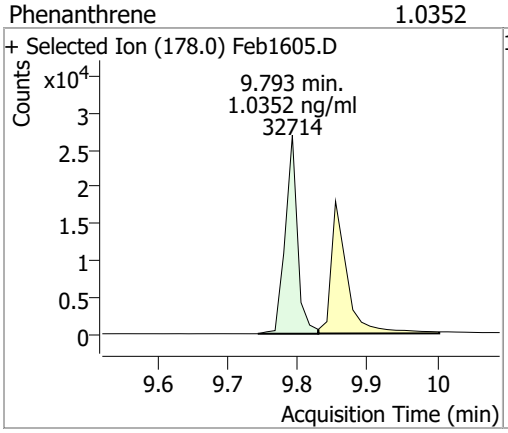
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	0.9352	8.67	0.01	20113	165.0	93.4	68.8	127.8
					167.0	13.4	7.2	13.4

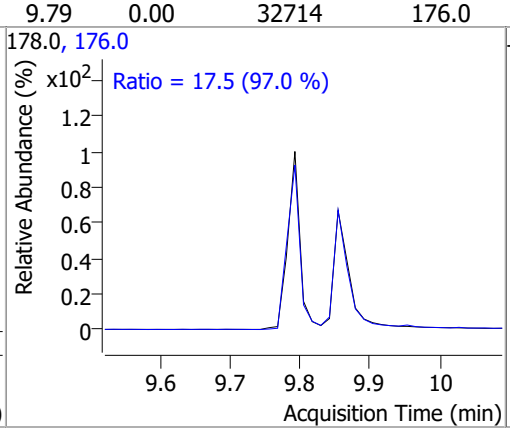


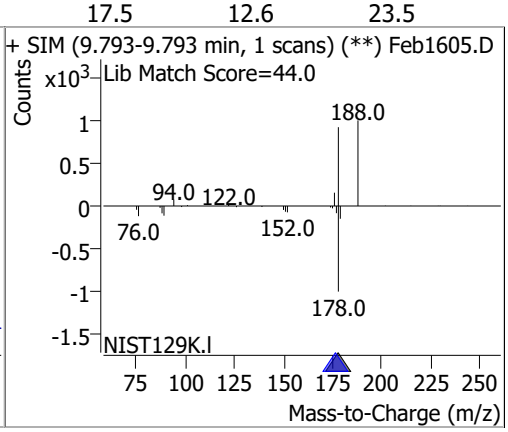




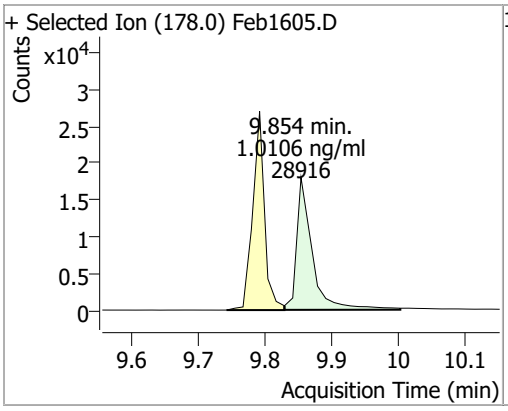
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	1.0352	9.79	0.00	32714	176.0	17.5	12.6	23.5

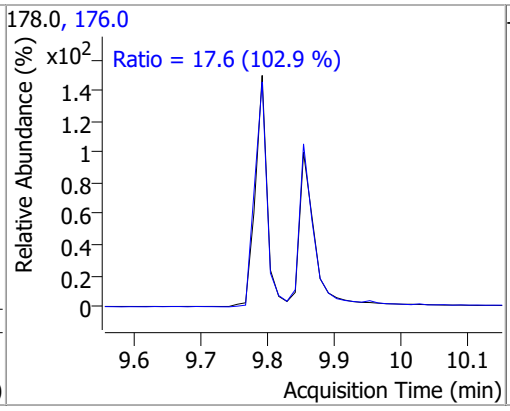


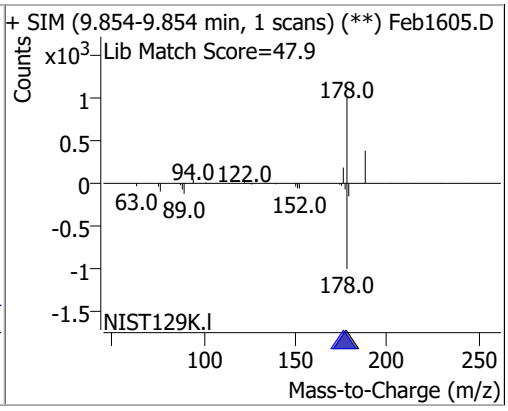




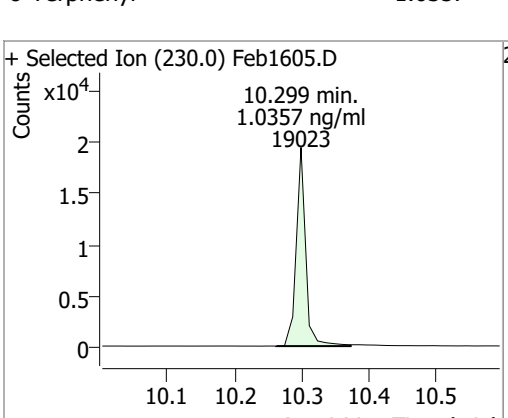
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	1.0106	9.85	0.00	28916	176.0	17.6	12.0	22.3

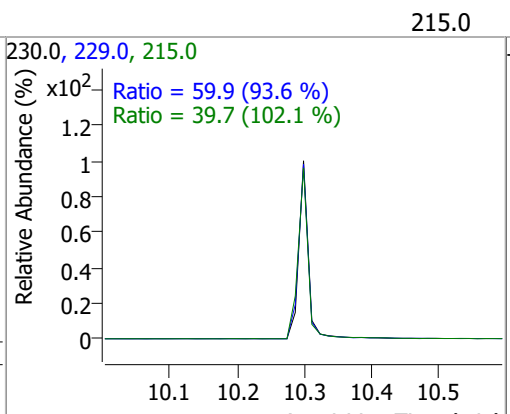


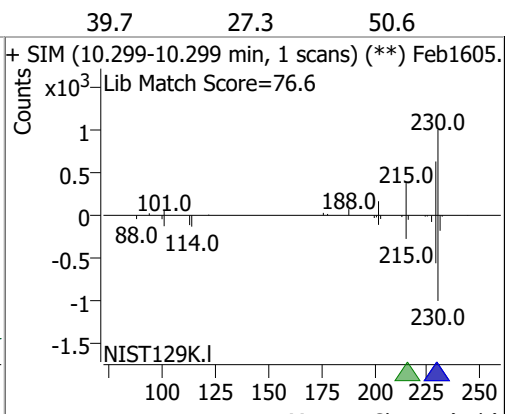




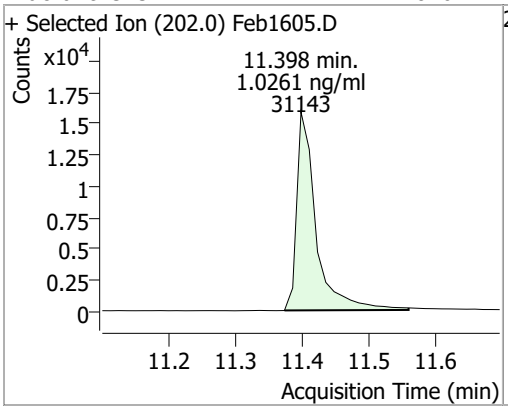
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	1.0357	10.30	0.00	19023	229.0	59.9	44.8	83.1
					215.0	39.7	27.3	50.6

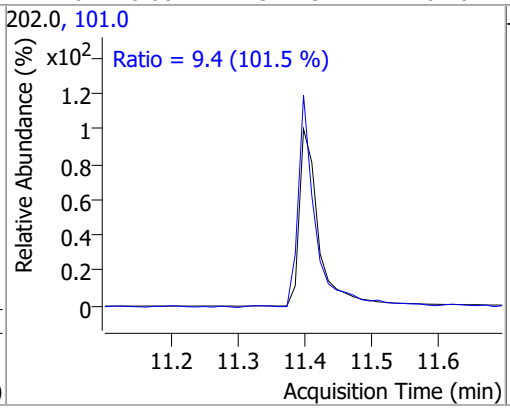


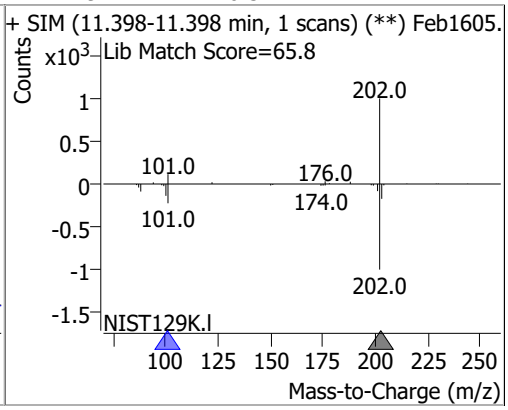




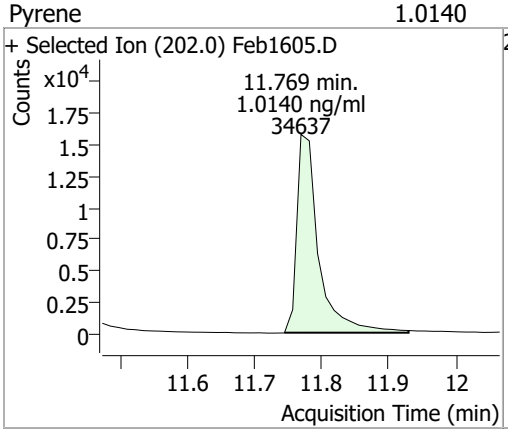
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	1.0261	11.40	0.00	31143	101.0	9.4	6.5	12.1

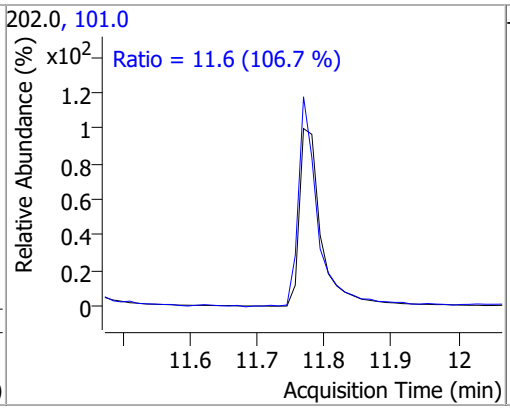


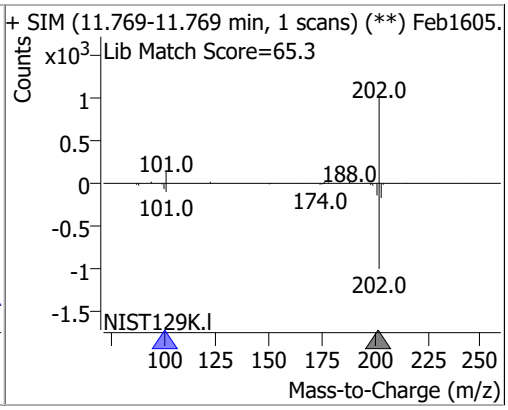




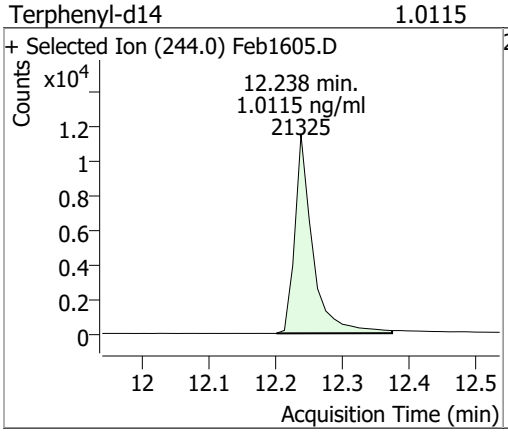
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	1.0140	11.77	0.00	34637	101.0	11.6	7.6	14.2

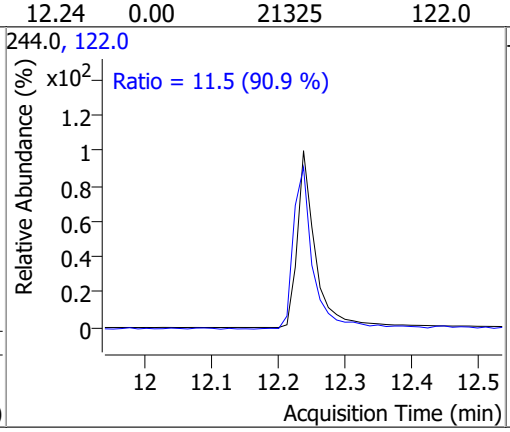


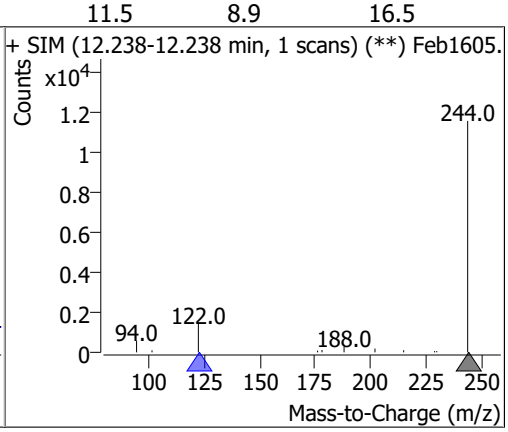




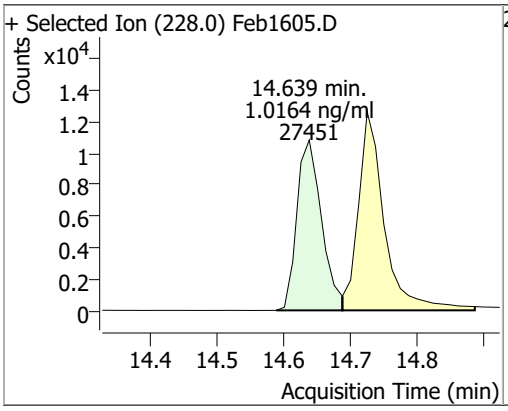
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	1.0115	12.24	0.00	21325	122.0	11.5	8.9	16.5

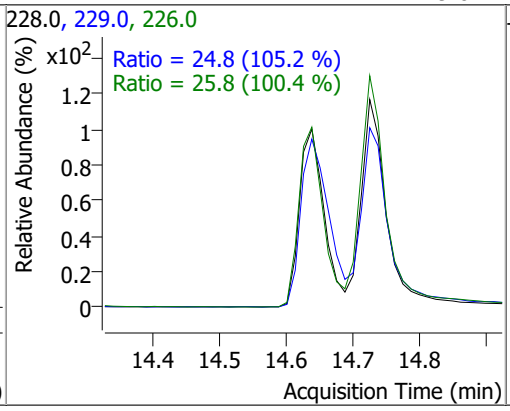


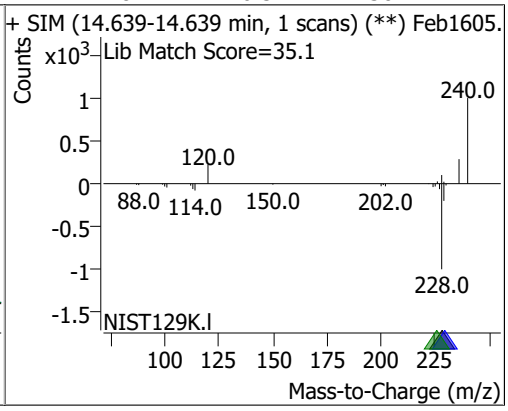




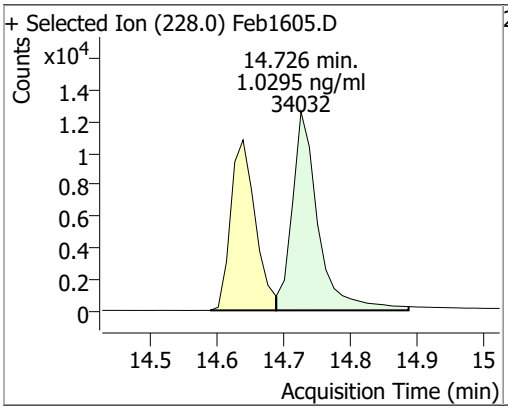
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	1.0164	14.64	0.01	27451	226.0	25.8	18.0	33.4
					229.0	24.8	16.5	30.7

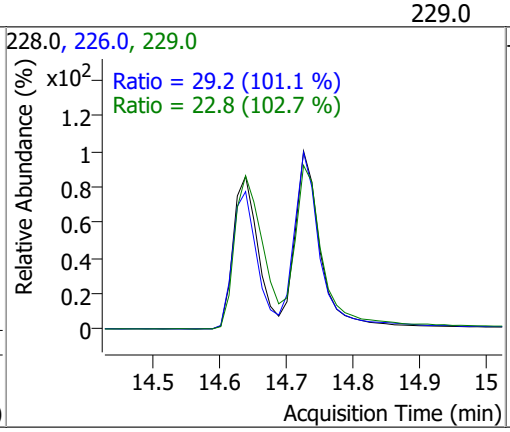


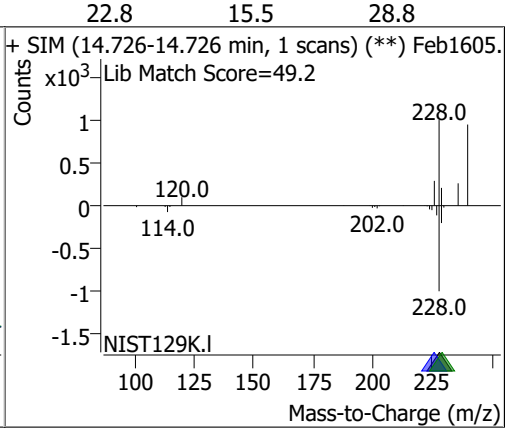




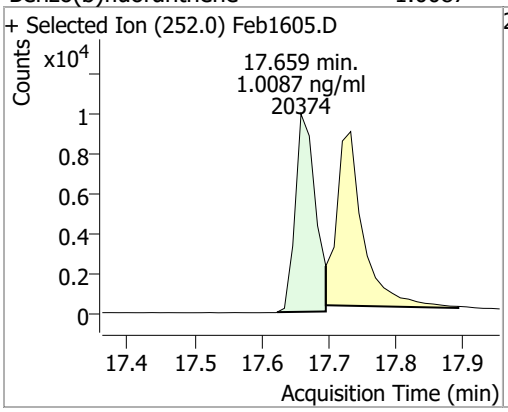
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	1.0295	14.73	0.00	34032	226.0	29.2	20.2	37.5
					229.0	22.8	15.5	28.8

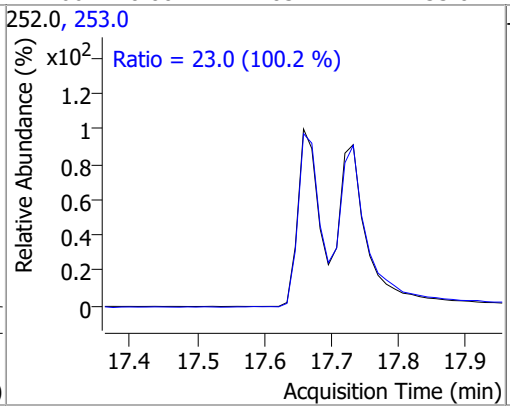


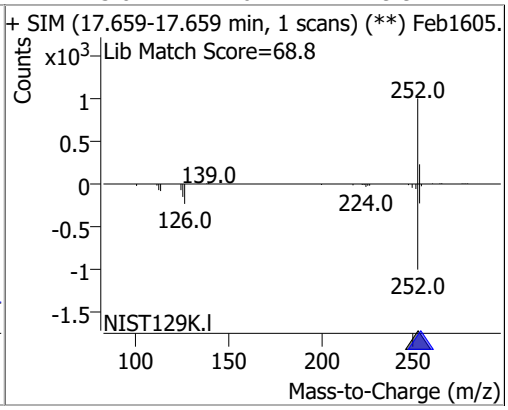




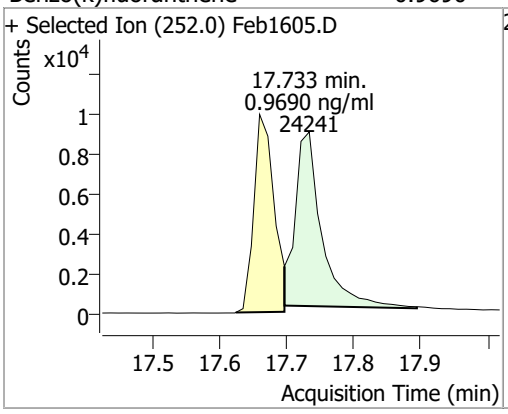
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	1.0087	17.66	0.00	20374	253.0	23.0	16.1	29.9

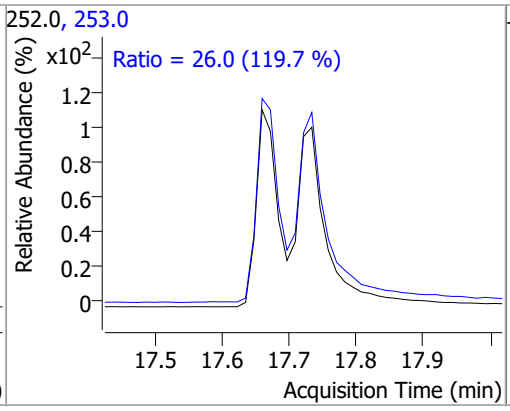


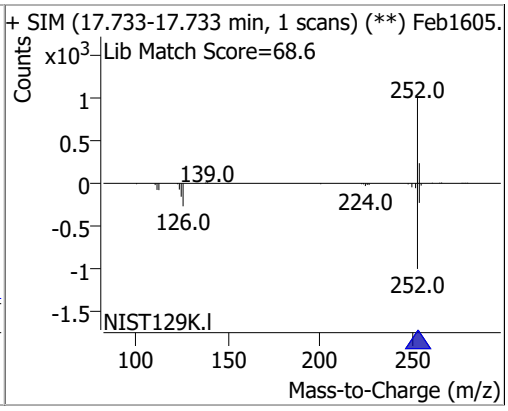




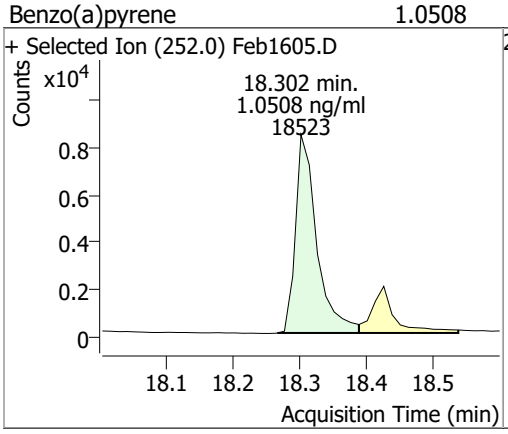
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	0.9690	17.73	0.01	24241	253.0	26.0	15.2	28.2

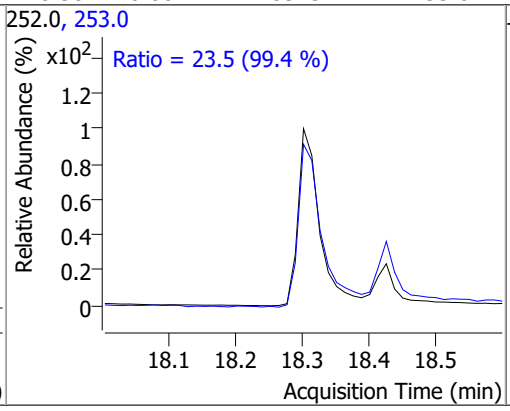


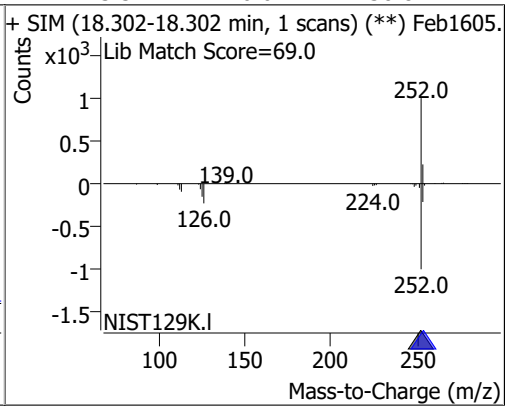




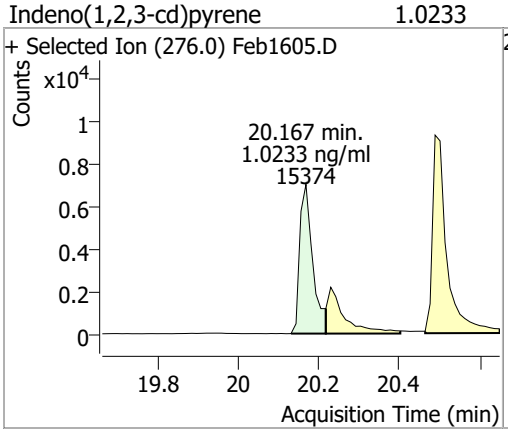
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	1.0508	18.30	0.00	18523	253.0	23.5	16.6	30.8

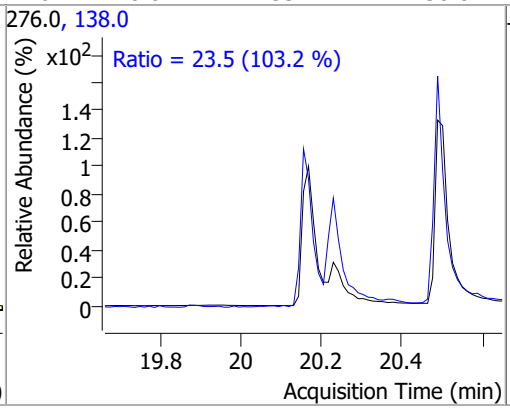


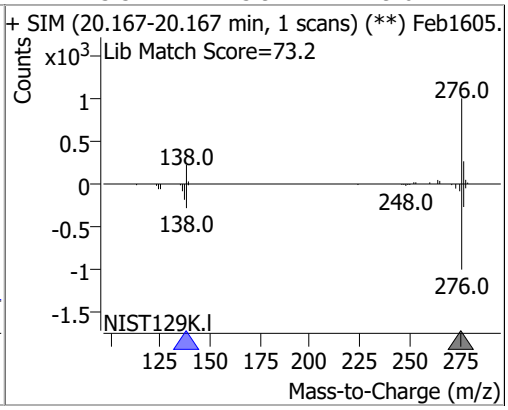




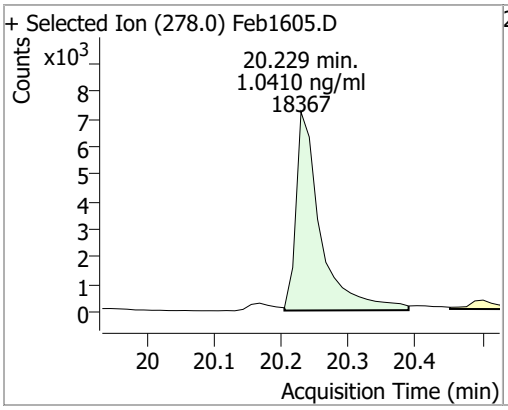
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	1.0233	20.17	0.01	15374	138.0	23.5	15.9	29.6

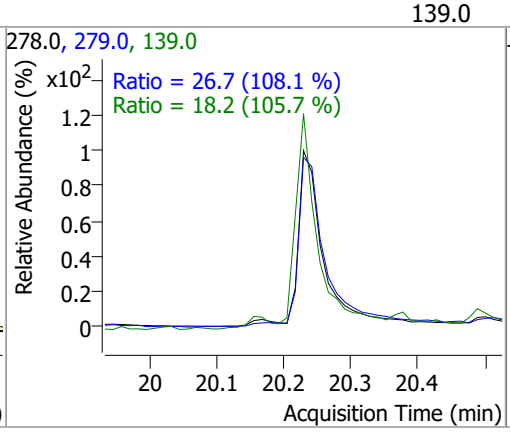


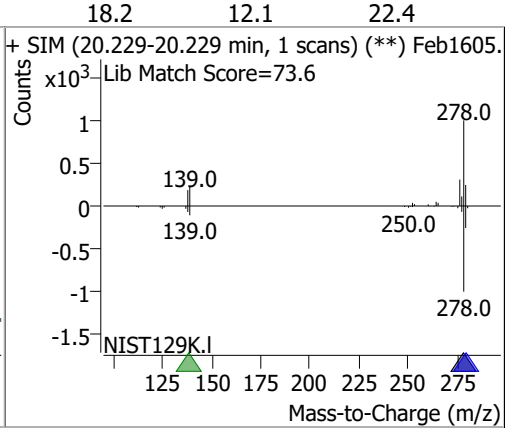




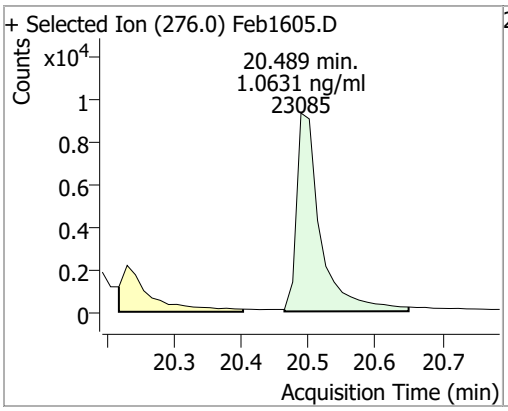
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	1.0410	20.23	0.00	18367	279.0	26.7	17.3	32.0
					139.0	18.2	12.1	22.4

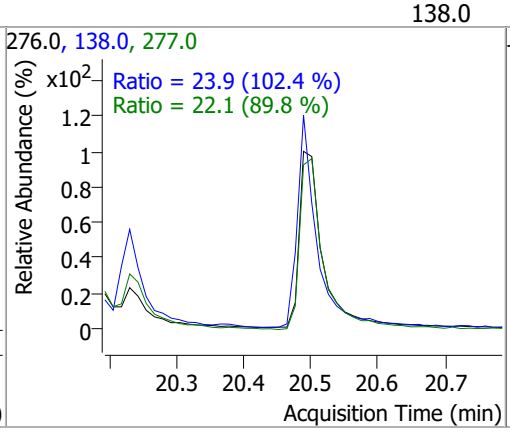


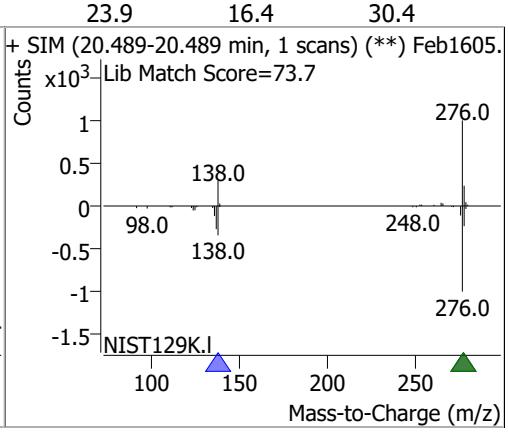




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	1.0631	20.49	0.00	23085	277.0	22.1	17.2	32.0
					138.0	23.9	16.4	30.4

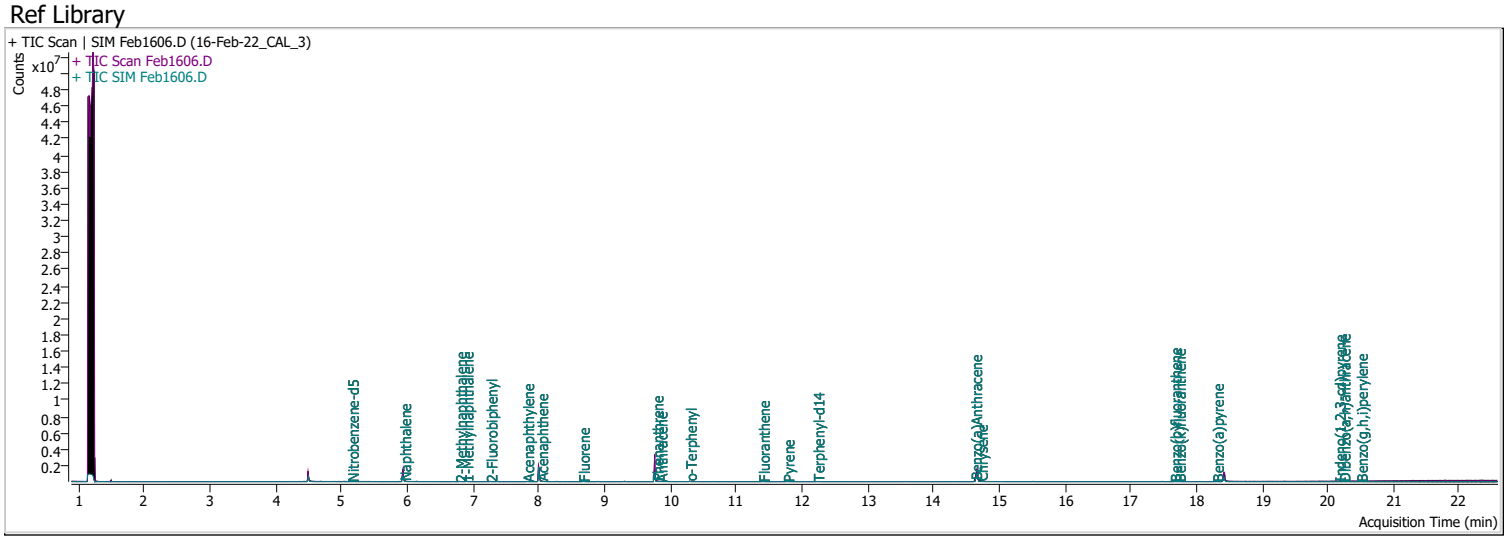






Quantitation Results Report (QT Reviewed)

Data File	Feb1606.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 3:14:11 PM
Sample Name	16-Feb-22_CAL_3	Instrument	GCMS
Vial	6	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

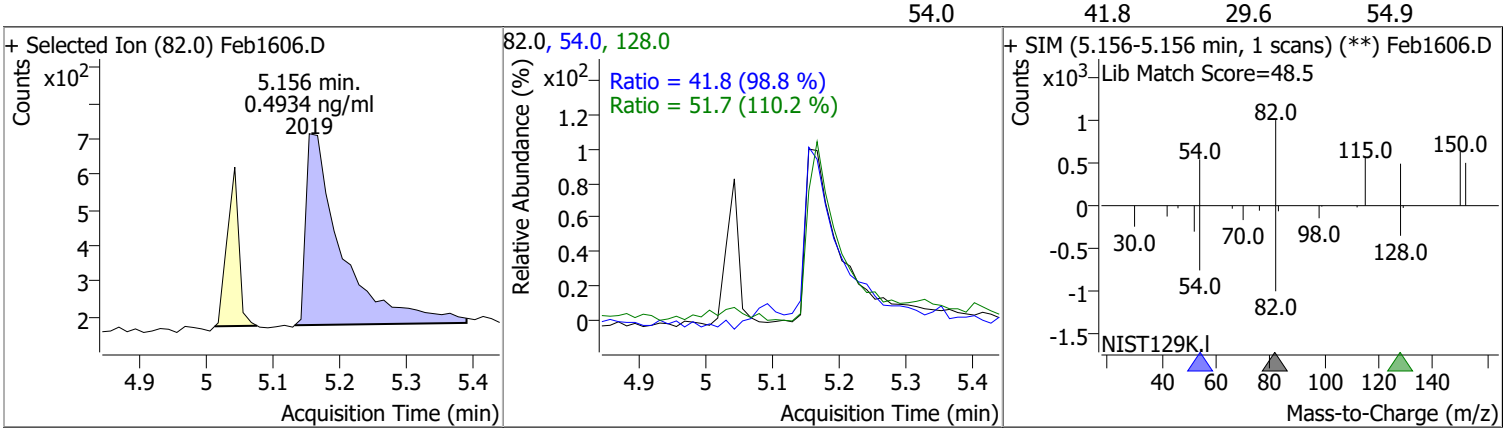


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	215345	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	933132	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.001	164.0	665824	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1201802	40.0000	ng/ml		0.000
M Chrysene-d12	14.664	240.0	967668	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	600129	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.156	82.0	2019	0.4934	ng/ml		0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 9.87%		*	
S 2-Fluorobiphenyl	7.265	172.0	9566	0.5392	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 10.78%		*	
S o-Terphenyl	10.299	230.0	8700	0.5027	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 10.05%		*	
S Terphenyl-d14	12.238	244.0	10012	0.5069	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 10.14%		*	
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	11850	0.5026	ng/ml		88
T 2-Methylnaphthalene	6.802	141.0	6275	0.4334	ng/ml		95
T 1-Methylnaphthalene	6.902	141.0	7448	0.4670	ng/ml		94
T Acenaphthylene	7.826	152.0	12015	0.5356	ng/ml		97
T Acenaphthene	8.038	154.0	8953	0.5108	ng/ml		94
T Fluorene	8.674	166.0	10261	0.5190	ng/ml	#	96
T Phenanthrene	9.793	178.0	15744	0.5267	ng/ml		100
T Anthracene	9.854	178.0	13803	0.5179	ng/ml		99
T Fluoranthene	11.411	202.0	14434	0.5130	ng/ml		100
T Pyrene	11.781	202.0	15659	0.4890	ng/ml		97
T Benzo(a)Anthracene	14.639	228.0	14217	0.5148	ng/ml		97
T Chrysene	14.726	228.0	16184	0.5196	ng/ml		97
T Benzo(b)fluoranthene	17.672	252.0	8399	0.4668	ng/ml		96

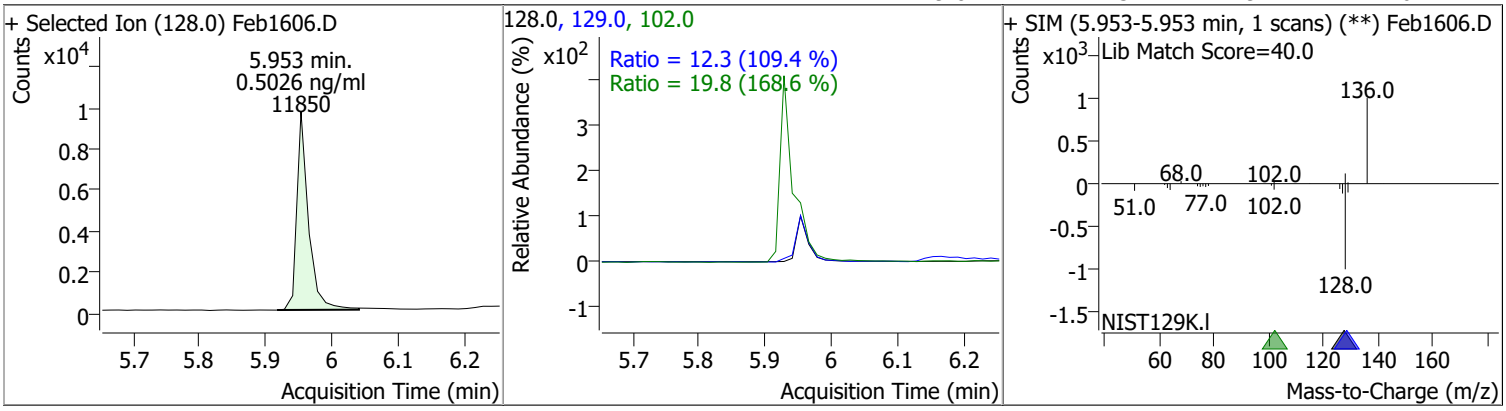
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.733	252.0	11306	0.4996	ng/ml	100
T Benzo(a)pyrene	18.314	252.0	8072	0.5039	ng/ml	100
T Indeno(1,2,3-cd)pyrene	20.167	276.0	6755	0.5027	ng/ml	99
T Dibenzo(a,h)anthracene	20.242	278.0	8313	0.5258	ng/ml	97
T Benzo(g,h,i)perylene	20.501	276.0	10198	0.5159	ng/ml	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

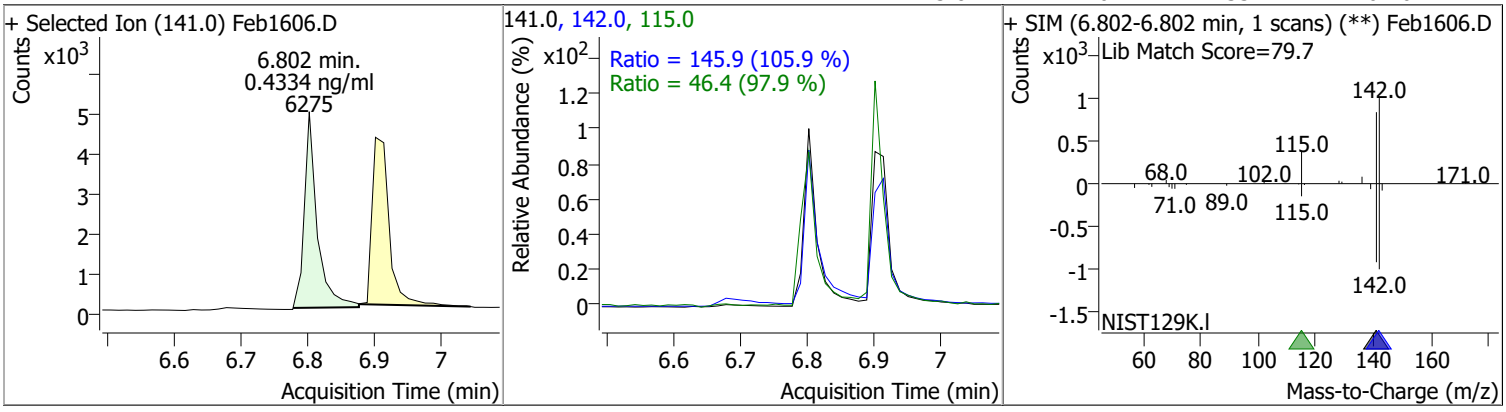
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	0.4934	5.16	0.01	2019	128.0	51.7	32.9	61.0
					54.0	41.8	29.6	54.9



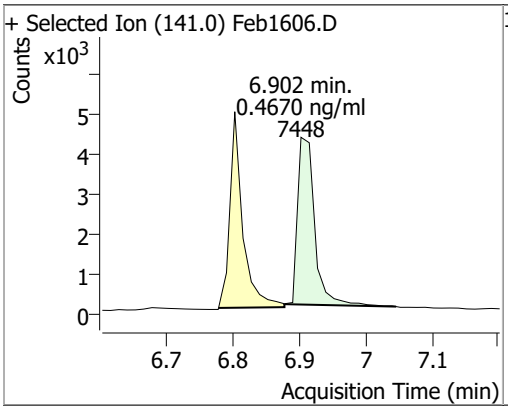
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	0.5026	5.95	0.00	11850	102.0	19.8	0.0	35.2
					129.0	12.3	7.9	14.6

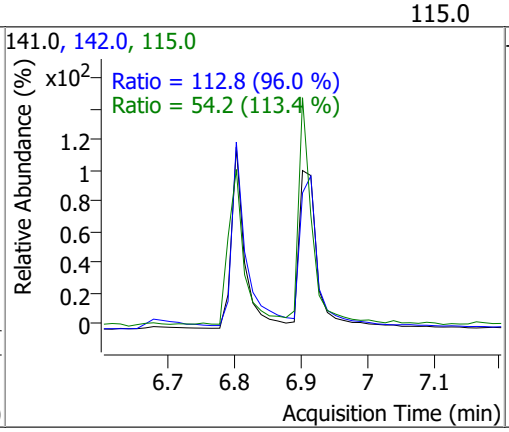


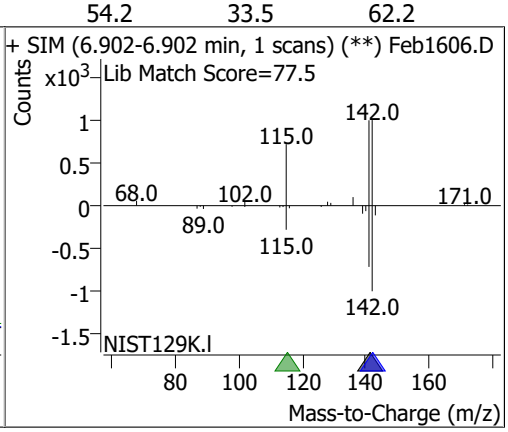
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	0.4334	6.80	0.01	6275	142.0	145.9	96.5	179.2
					115.0	46.4	33.2	61.6



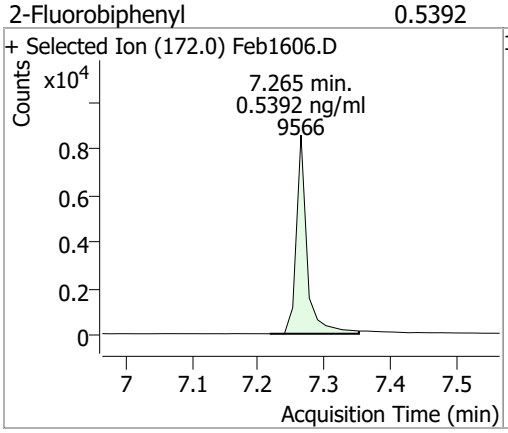
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	0.4670	6.90	0.00	7448	142.0	112.8	82.3	152.8
					115.0	54.2	33.5	62.2

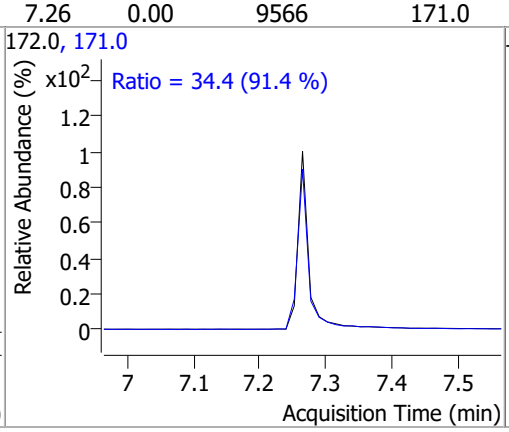


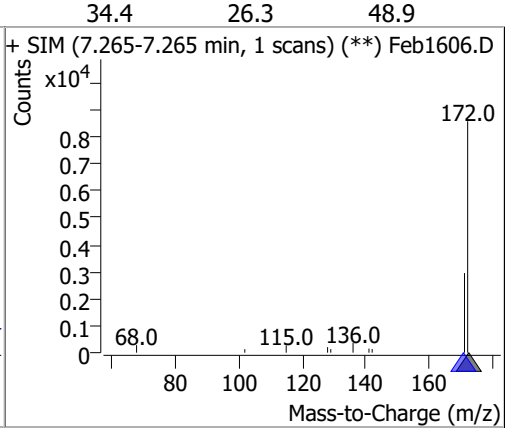




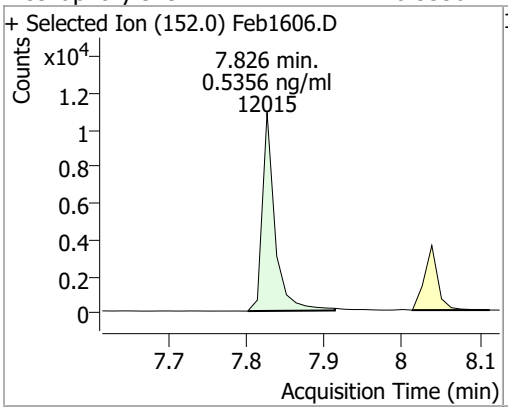
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	0.5392	7.26	0.00	9566	171.0	34.4	26.3	48.9

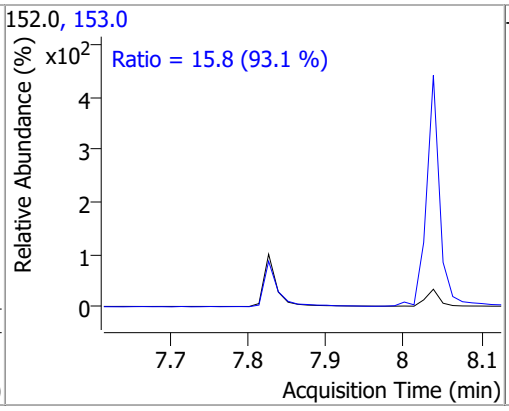


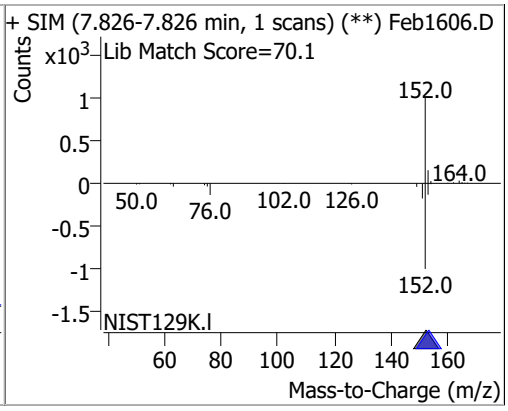




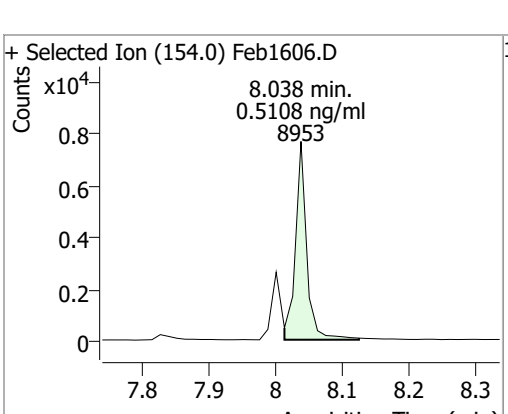
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	0.5356	7.83	0.00	12015	153.0	15.8	11.8	22.0

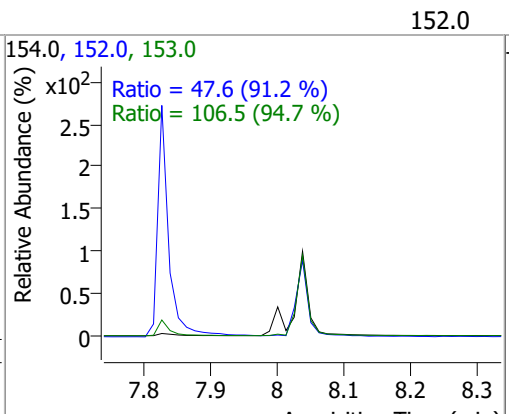


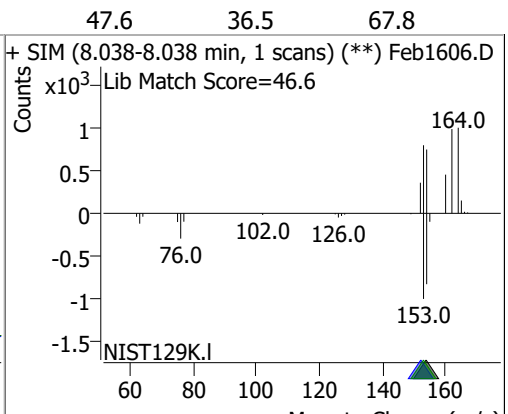




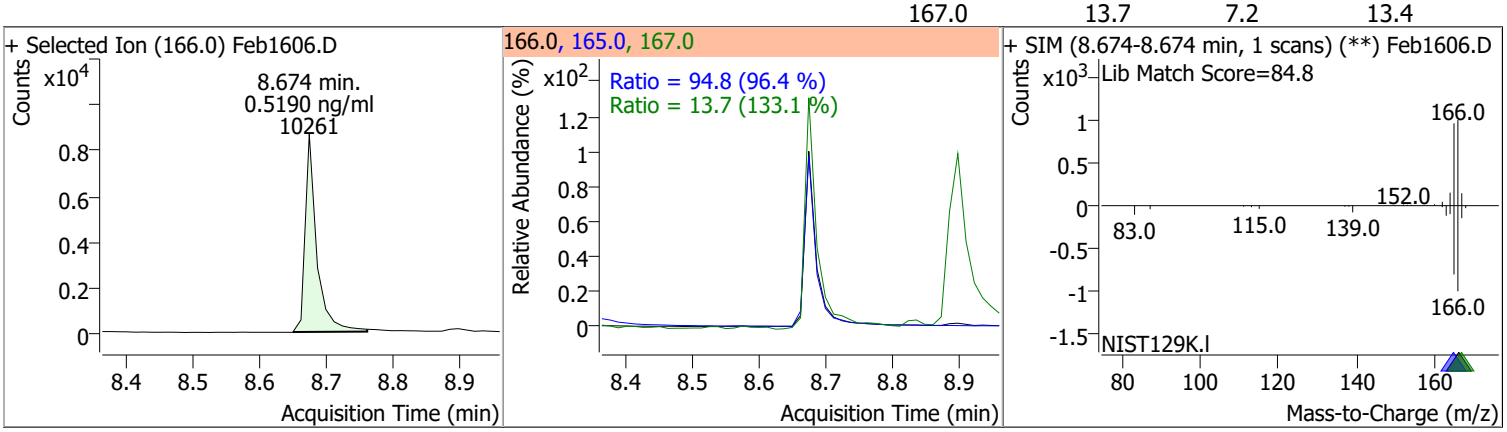
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	0.5108	8.04	0.00	8953	153.0	106.5	78.7	146.2
					152.0	47.6	36.5	67.8



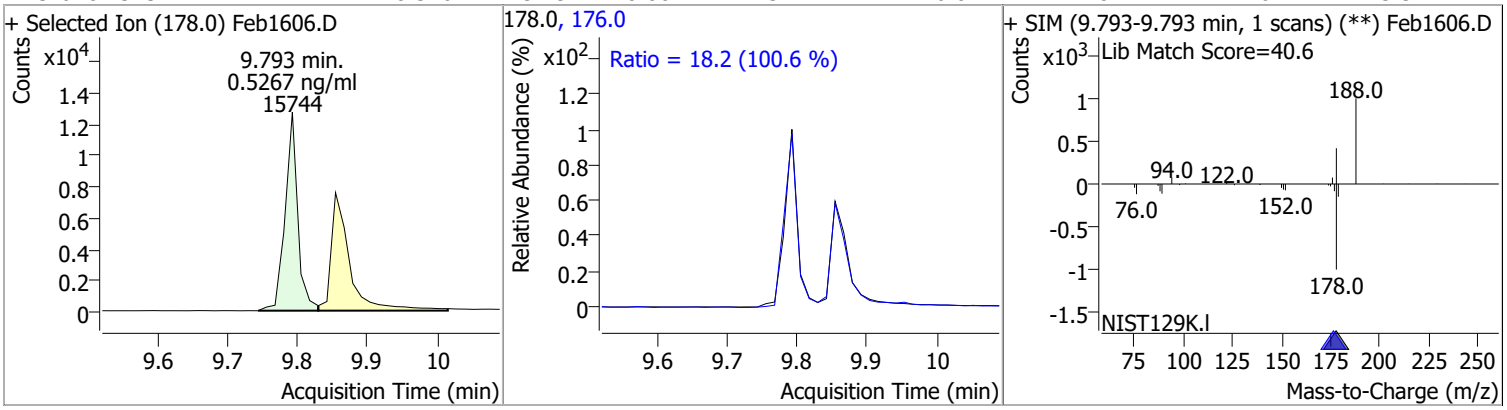




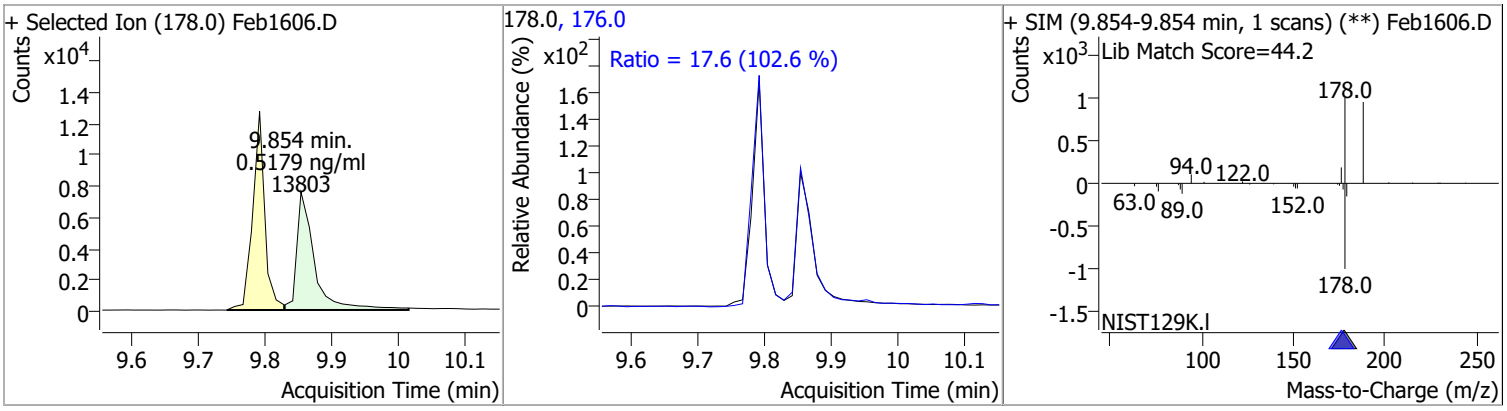
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	0.5190	8.67	0.01	10261	165.0	94.8	68.8	127.8
					167.0	13.7	7.2	13.4



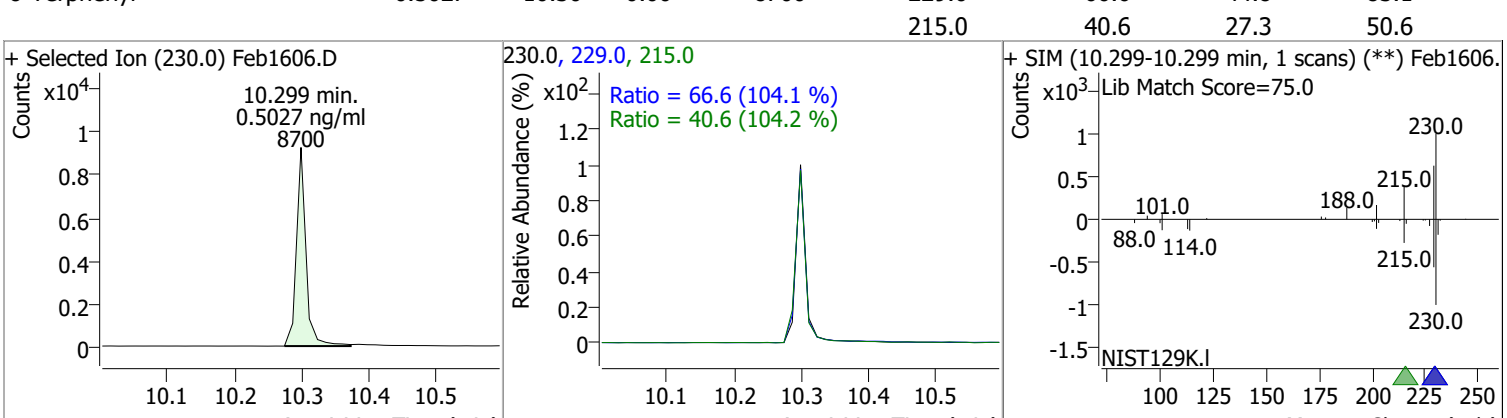
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	0.5267	9.79	0.00	15744	176.0	18.2	12.6	23.5



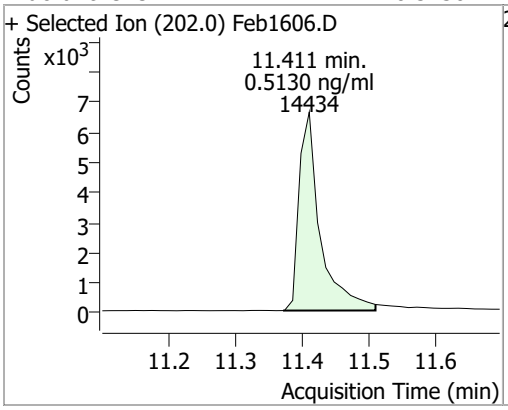
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	0.5179	9.85	0.00	13803	176.0	17.6	12.0	22.3

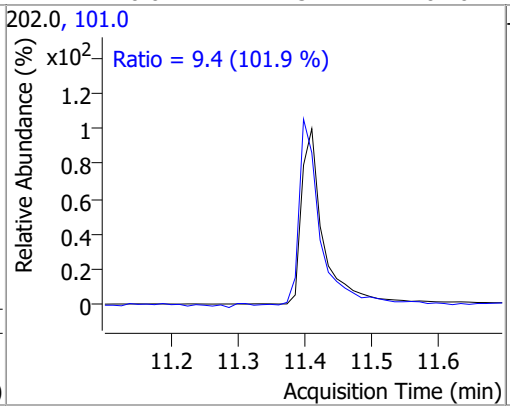


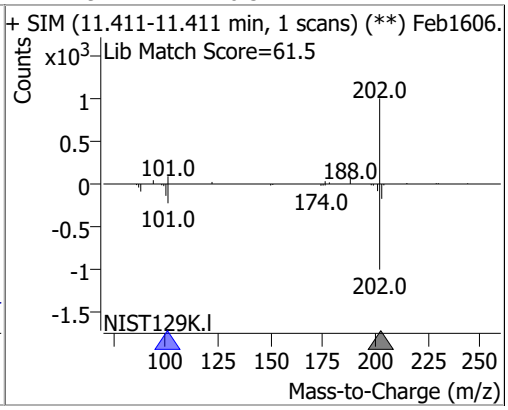
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	0.5027	10.30	0.00	8700	229.0	66.6	44.8	83.1
					215.0	40.6	27.3	50.6



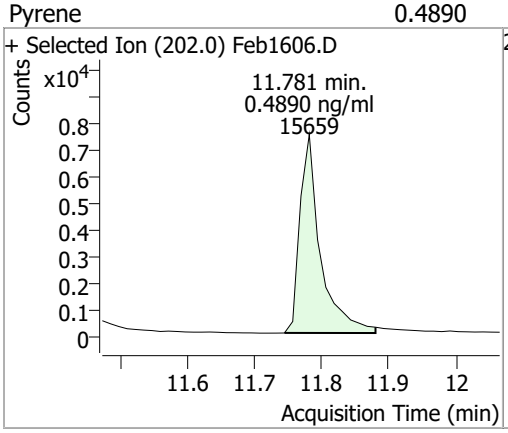
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	0.5130	11.41	0.01	14434	101.0	9.4	6.5	12.1

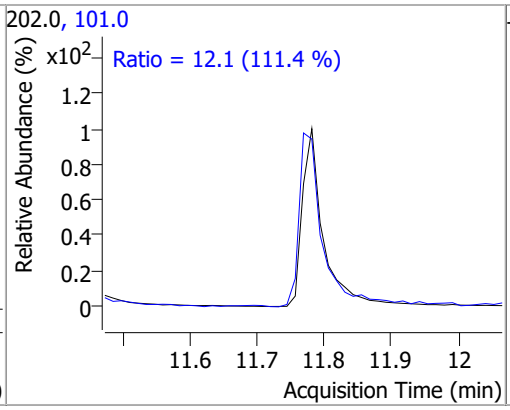


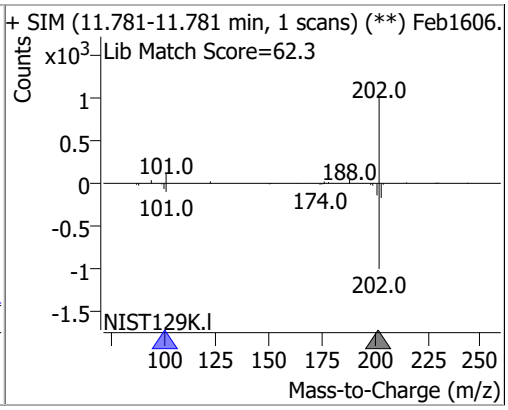




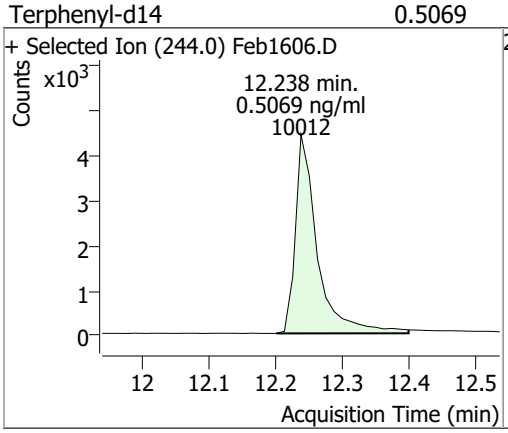
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	0.4890	11.78	0.01	15659	101.0	12.1	7.6	14.2

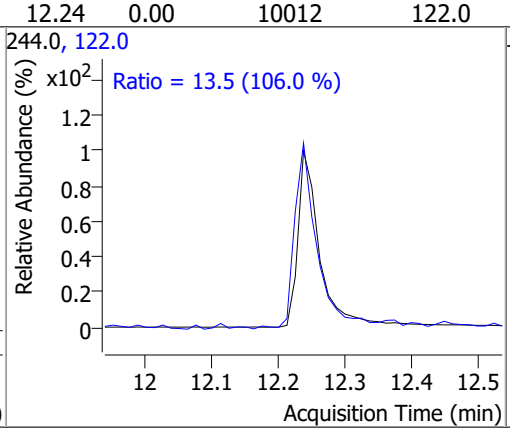


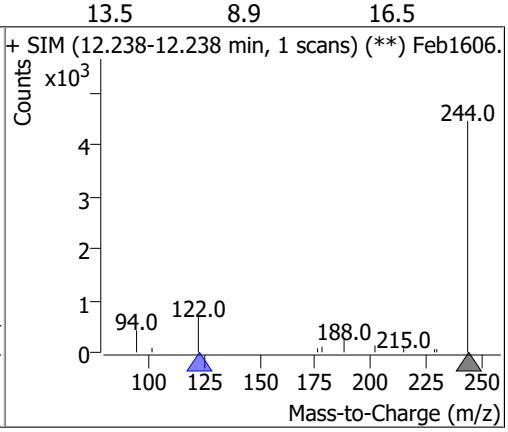




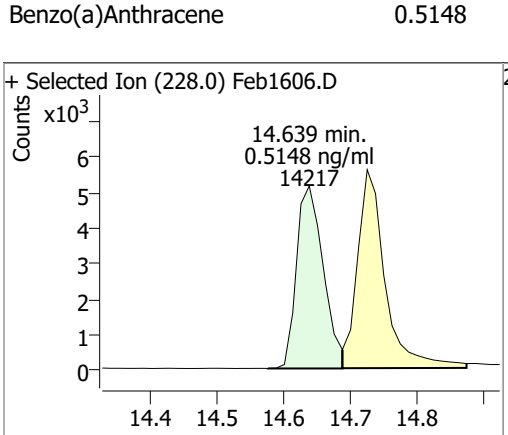
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	0.5069	12.24	0.00	10012	122.0	13.5	8.9	16.5

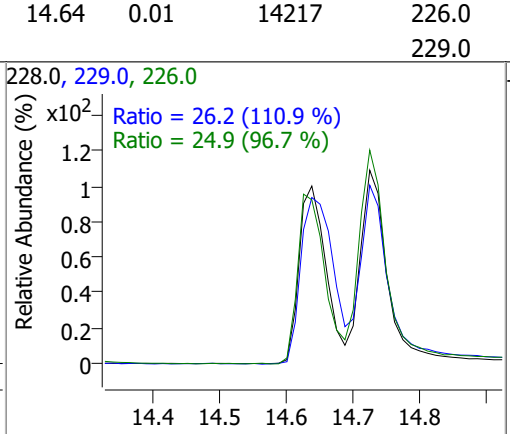


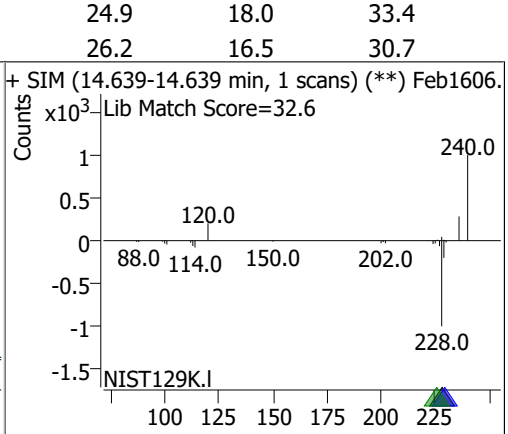




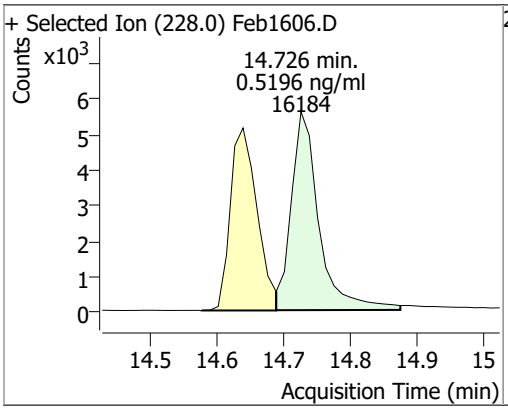
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	0.5148	14.64	0.01	14217	226.0	24.9	18.0	33.4
					229.0	26.2	16.5	30.7

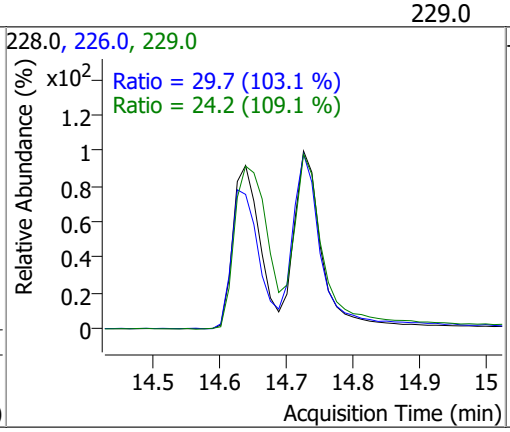


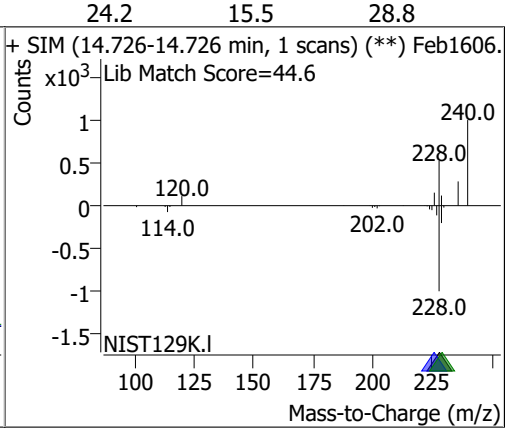




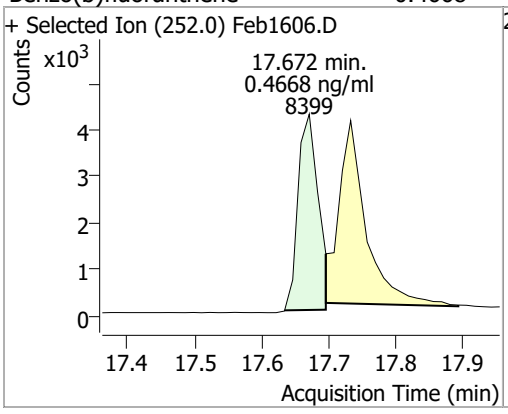
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	0.5196	14.73	0.00	16184	226.0	29.7	20.2	37.5
					229.0	24.2	15.5	28.8

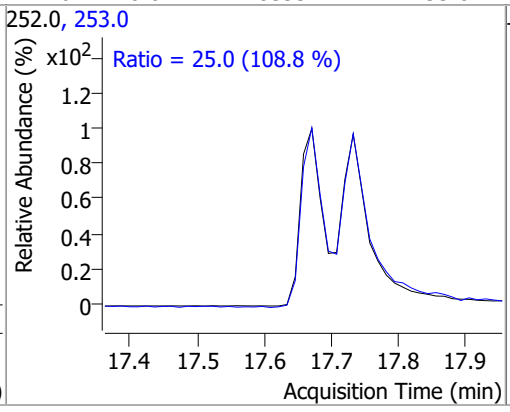


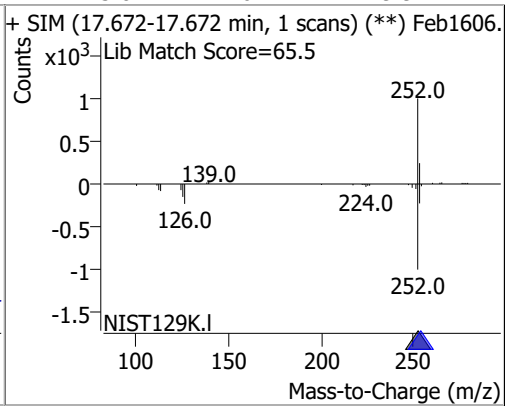




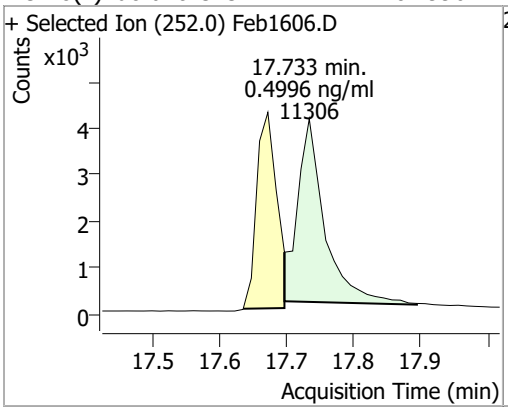
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	0.4668	17.67	0.01	8399	253.0	25.0	16.1	29.9

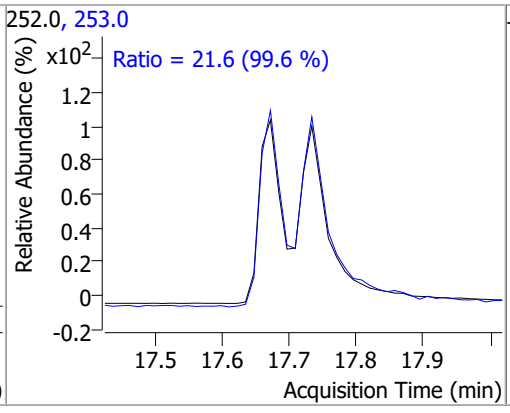


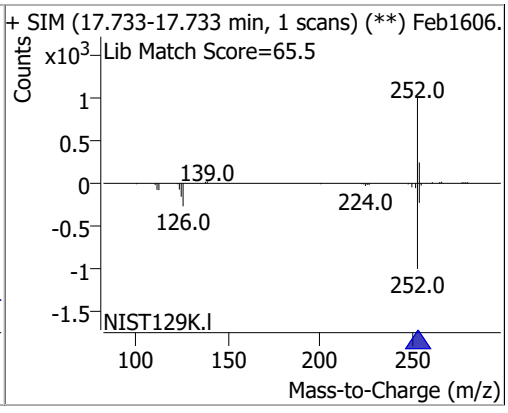




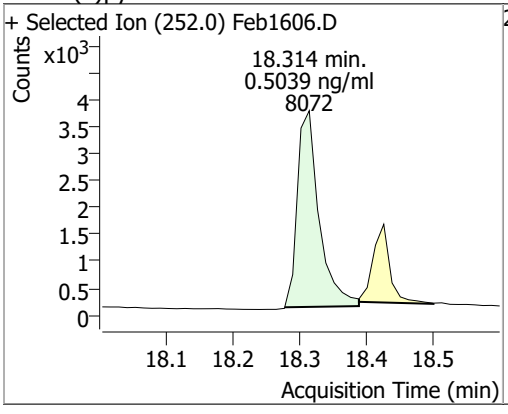
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	0.4996	17.73	0.01	11306	253.0	21.6	15.2	28.2

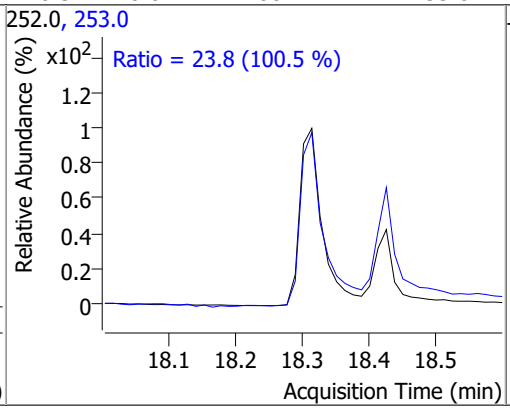


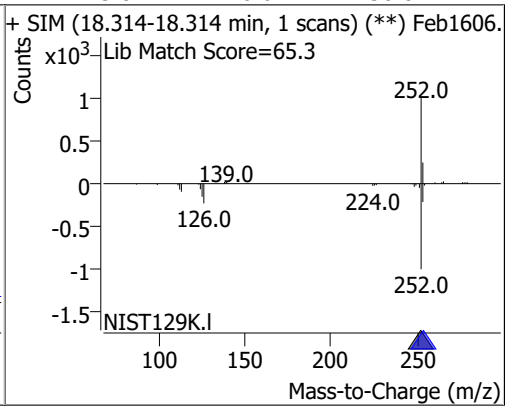




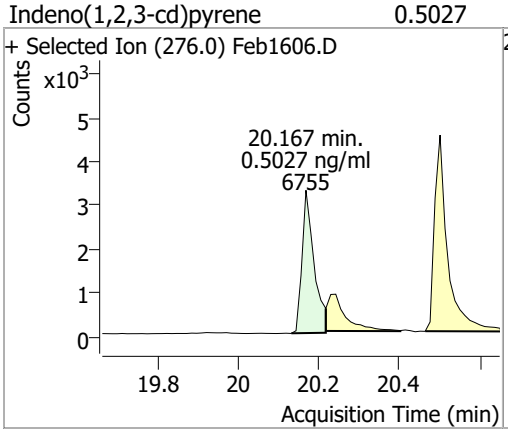
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	0.5039	18.31	0.01	8072	253.0	23.8	16.6	30.8

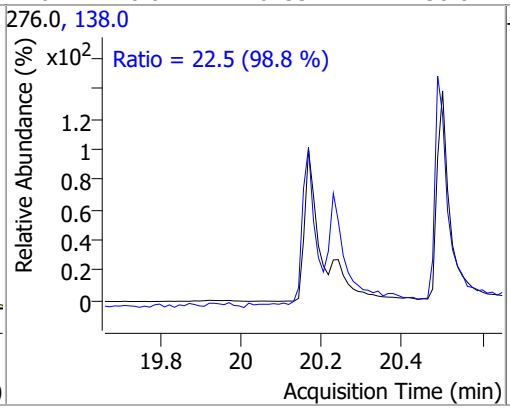


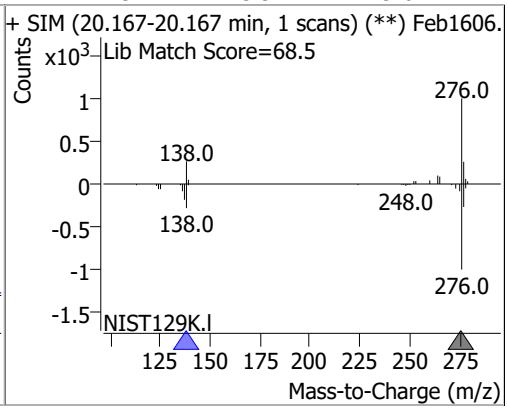




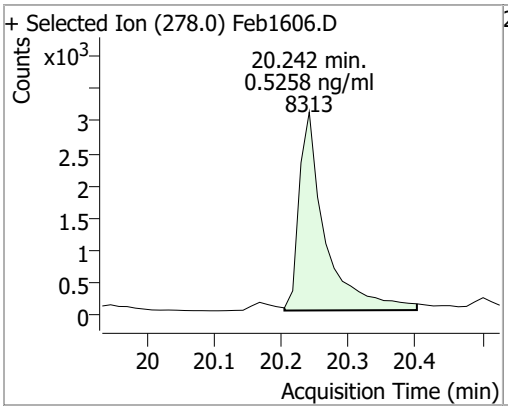
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	0.5027	20.17	0.01	6755	138.0	22.5	15.9	29.6

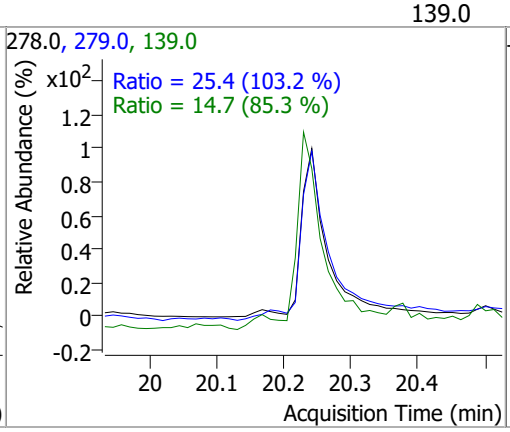


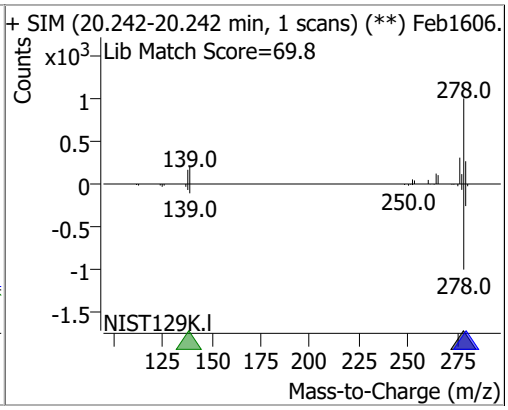




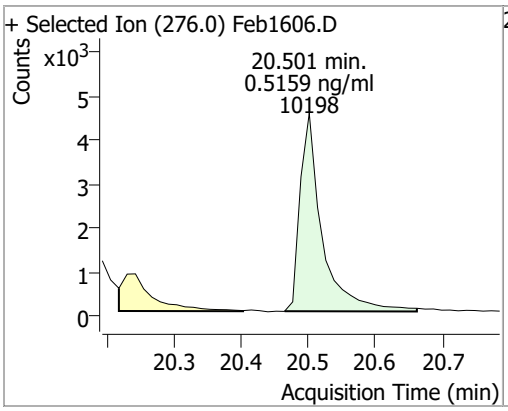
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	0.5258	20.24	0.01	8313	279.0	25.4	17.3	32.0
					139.0	14.7	12.1	22.4

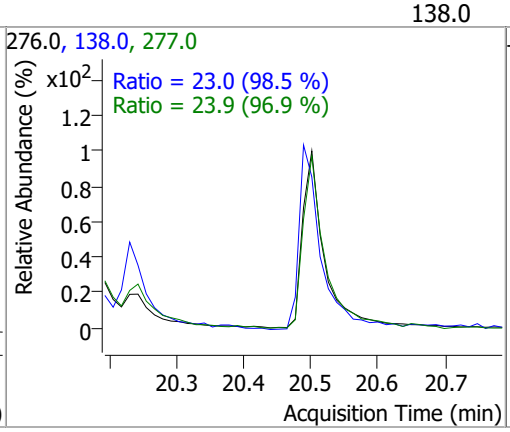


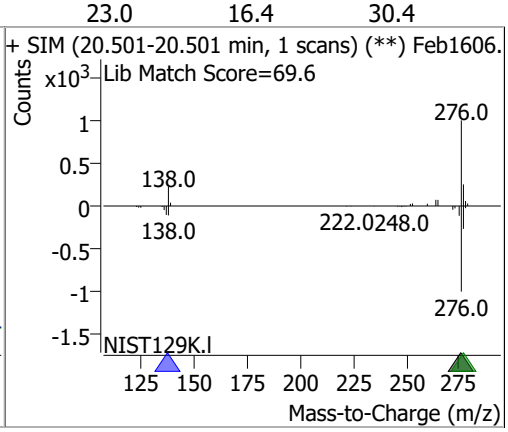




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	0.5159	20.50	0.01	10198	277.0	23.9	17.2	32.0
					138.0	23.0	16.4	30.4

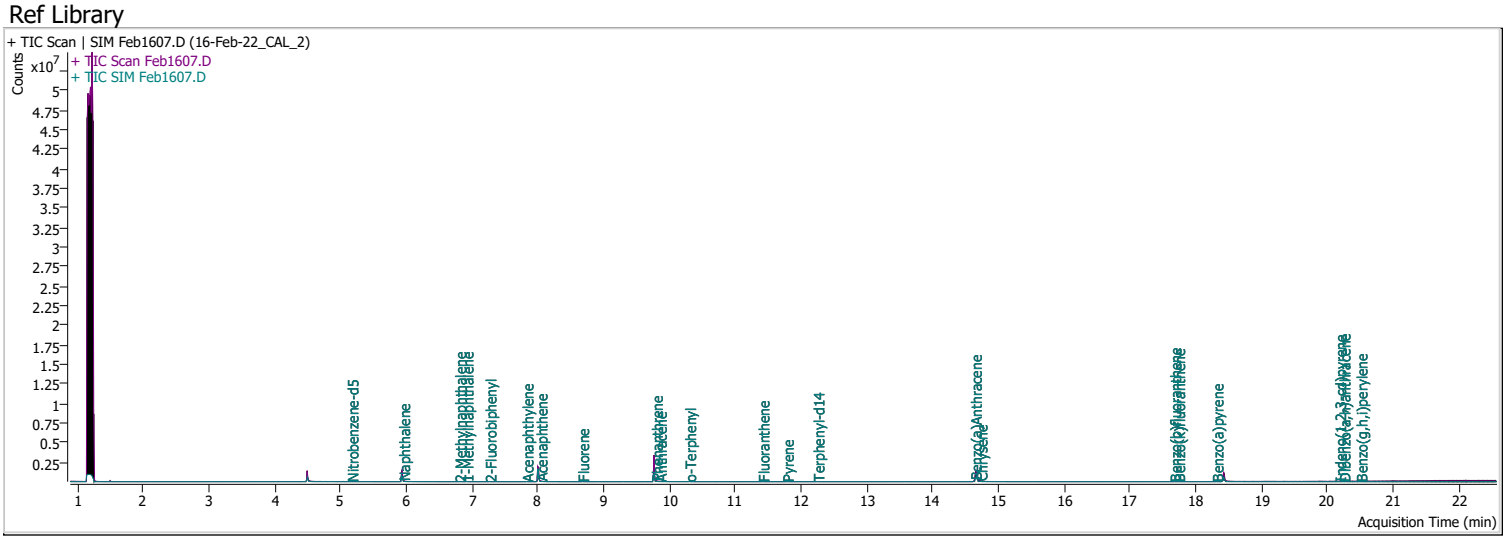






Quantitation Results Report (QT Reviewed)

Data File	Feb1607.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 3:46:33 PM
Sample Name	16-Feb-22_CAL_2	Instrument	GCMS
Vial	7	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

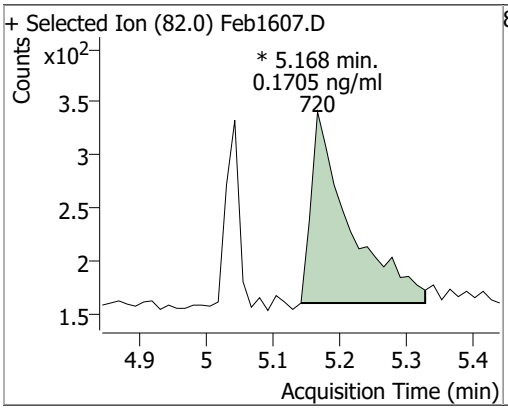


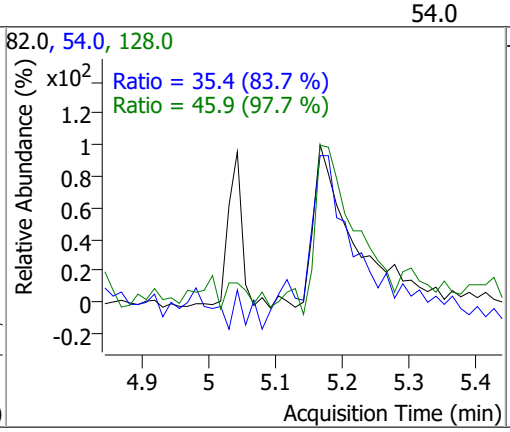
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	224215	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	951228	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.000	164.0	673430	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1245859	40.0000	ng/ml		0.000
M Chrysene-d12	14.664	240.0	977733	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	606738	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.168	82.0	720	0.1705	ng/ml	m	0.025
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 3.41%		*	
S 2-Fluorobiphenyl	7.264	172.0	4042	0.1975	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 3.95%		*	
S o-Terphenyl	10.299	230.0	3941	0.1910	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 3.82%		*	
S Terphenyl-d14	12.250	244.0	4301	0.1897	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 3.79%		*	
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	4970	0.1902	ng/ml	#	1
T 2-Methylnaphthalene	6.802	141.0	2961	0.2006	ng/ml		91
T 1-Methylnaphthalene	6.915	141.0	3331	0.2049	ng/ml		90
T Acenaphthylene	7.826	152.0	5031	0.1915	ng/ml		98
T Acenaphthene	8.038	154.0	4182	0.2058	ng/ml	m	89
T Fluorene	8.673	166.0	4576	0.2038	ng/ml		95
T Phenanthrene	9.792	178.0	7065	0.1916	ng/ml		99
T Anthracene	9.854	178.0	5826	0.1853	ng/ml		96
T Fluoranthene	11.411	202.0	6213	0.1883	ng/ml		98
T Pyrene	11.781	202.0	6987	0.1943	ng/ml		97
T Benzo(a)Anthracene	14.639	228.0	7411	0.1860	ng/ml	#	91
T Chrysene	14.726	228.0	6977	0.1947	ng/ml		93
T Benzo(b)fluoranthene	17.671	252.0	3699	0.1956	ng/ml		98

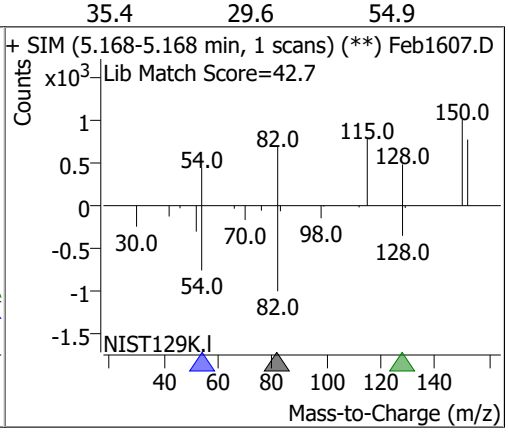
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	17.733	252.0	4870	0.1990	ng/ml		93
T Benzo(a)pyrene	18.314	252.0	3515	0.1949	ng/ml		98
T Indeno(1,2,3-cd)pyrene	20.180	276.0	2722	0.1877	ng/ml	m	98
T Dibenzo(a,h)anthracene	20.241	278.0	3291	0.1915	ng/ml		97
T Benzo(g,h,i)perylene	20.501	276.0	4391	0.1995	ng/ml		97

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

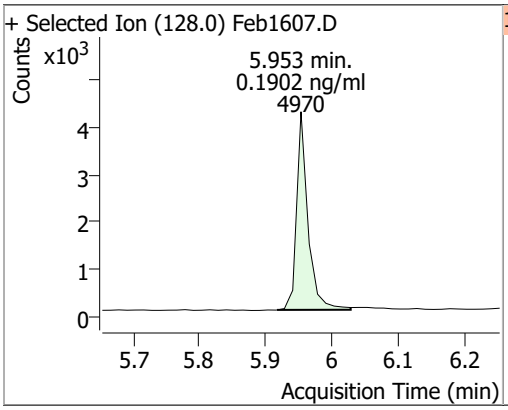
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	0.1705	5.17	0.02	720 (m)	128.0	45.9	32.9	61.0
					54.0	35.4	29.6	54.9

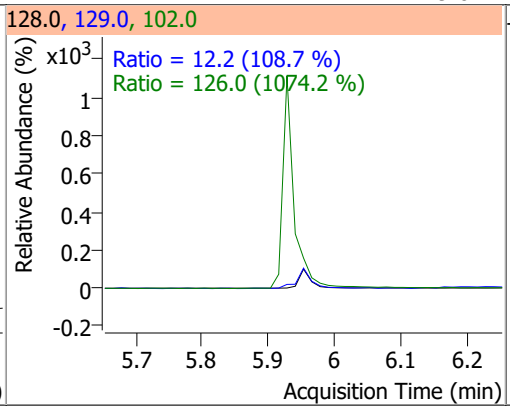


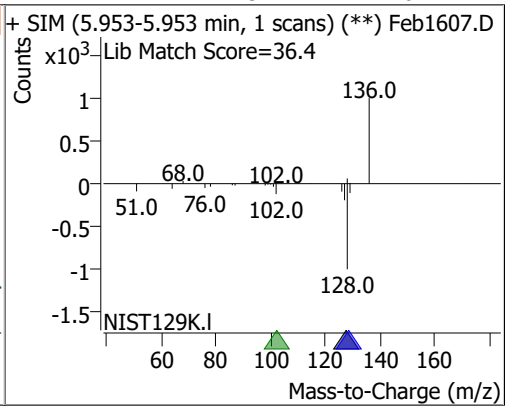




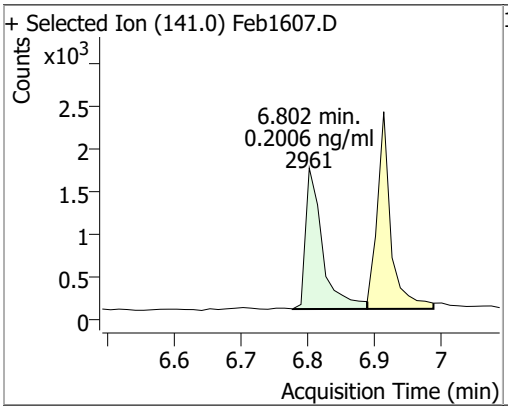
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	0.1902	5.95	0.00	4970	102.0	126.0	0.0	35.2
					129.0	12.2	7.9	14.6

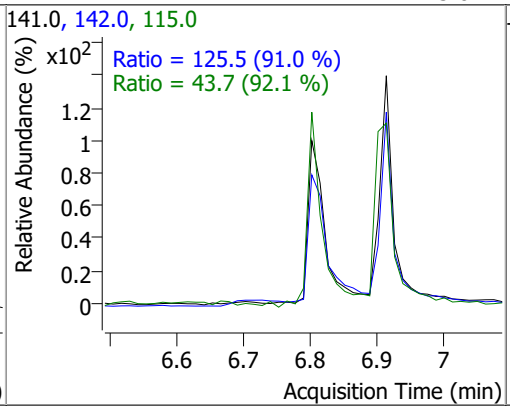


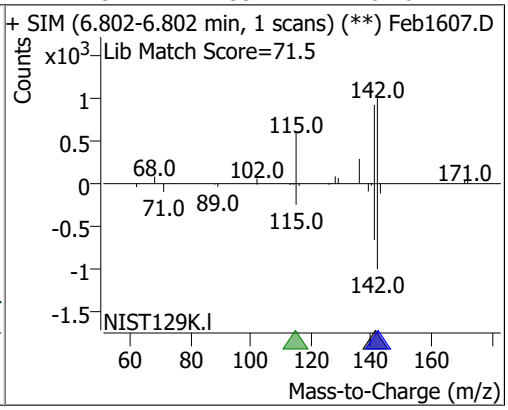




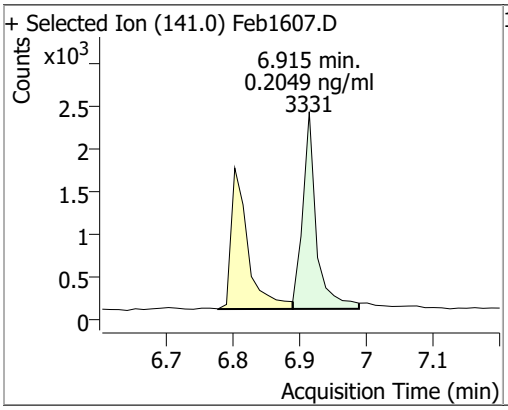
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	0.2006	6.80	0.01	2961	142.0	125.5	96.5	179.2
					115.0	43.7	33.2	61.6

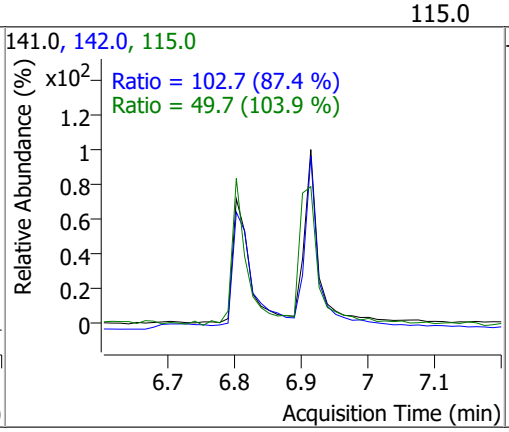


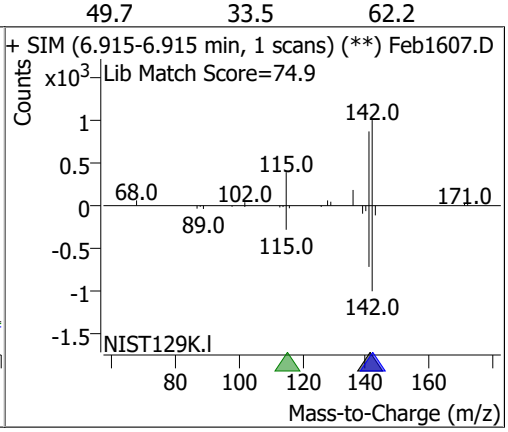




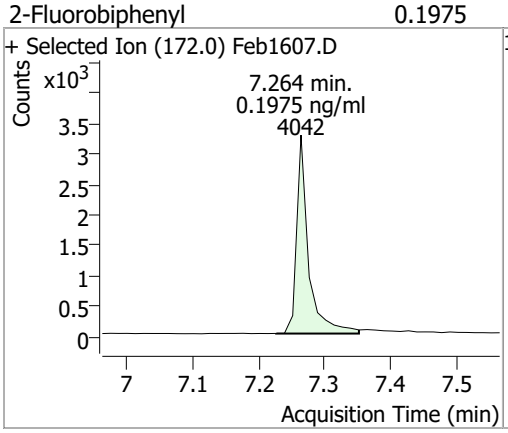
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	0.2049	6.91	0.01	3331	142.0	102.7	82.3	152.8
					115.0	49.7	33.5	62.2

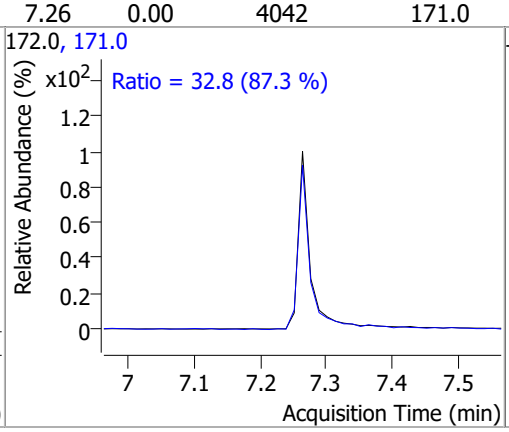


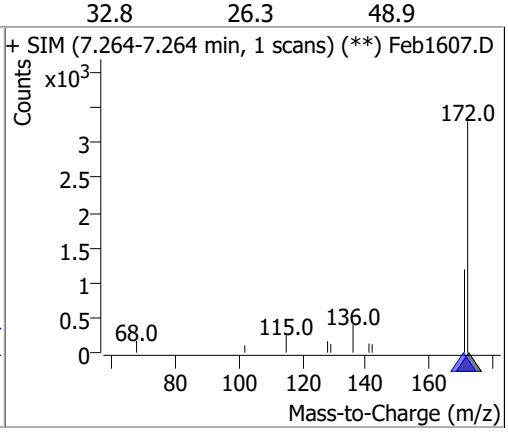




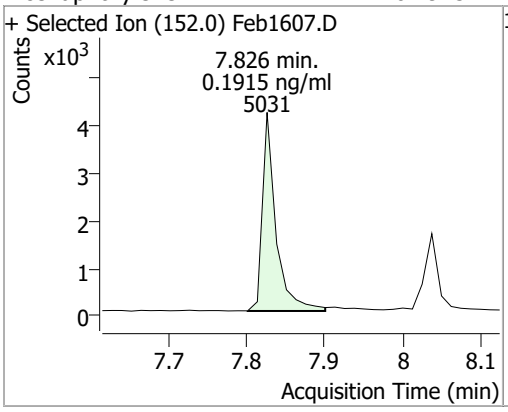
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	0.1975	7.26	0.00	4042	171.0	32.8	26.3	48.9

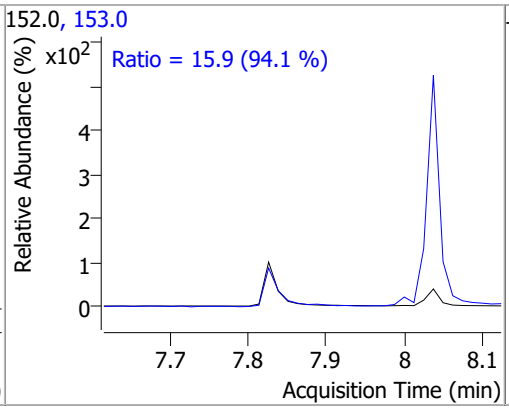


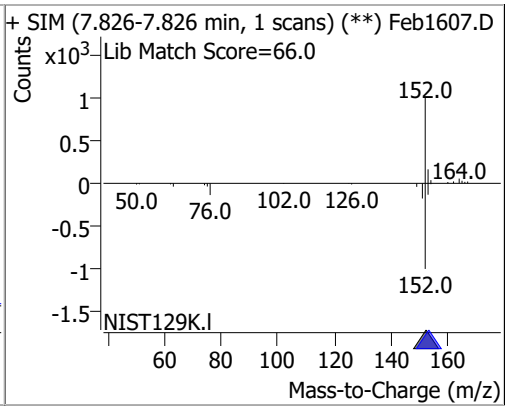




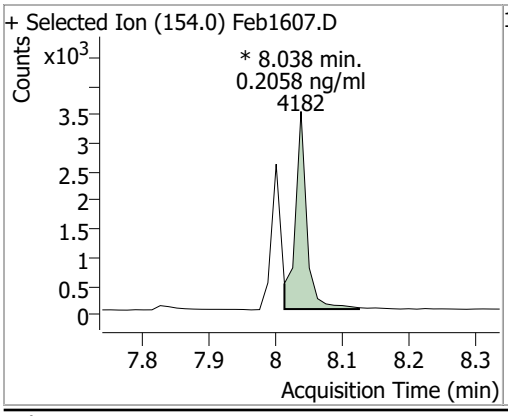
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	0.1915	7.83	0.00	5031	153.0	15.9	11.8	22.0

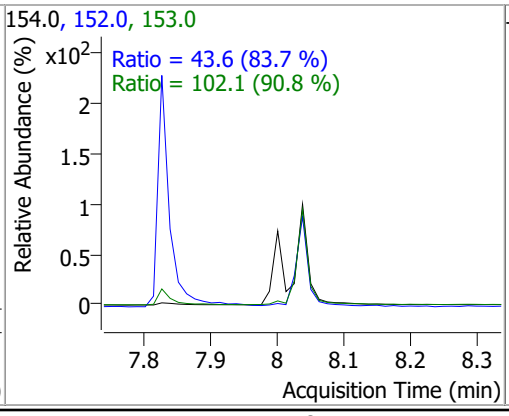


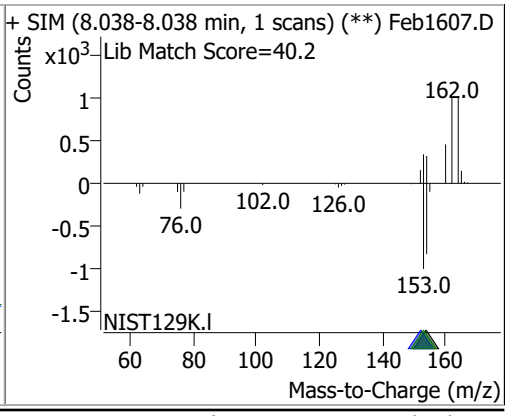




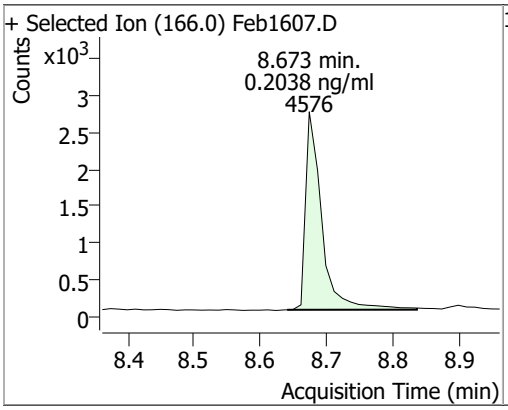
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	0.2058	8.04	0.00	4182 (m)	153.0	102.1	78.7	146.2
					152.0	43.6	36.5	67.8

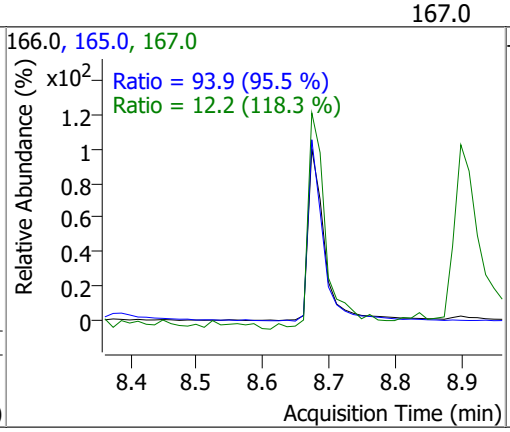


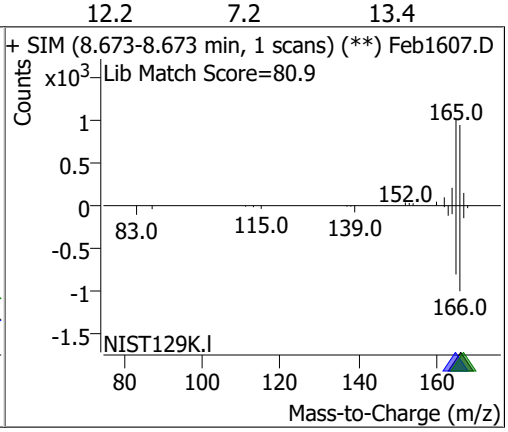




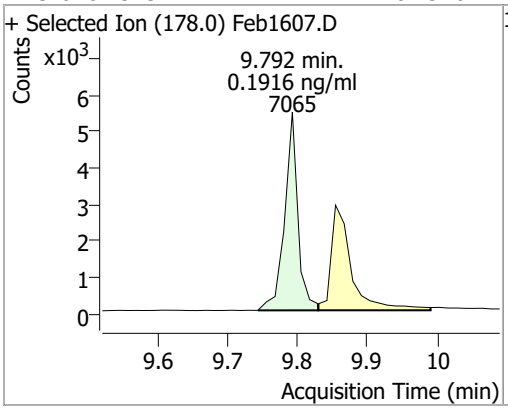
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	0.2038	8.67	0.01	4576	165.0	93.9	68.8	127.8
					167.0	12.2	7.2	13.4

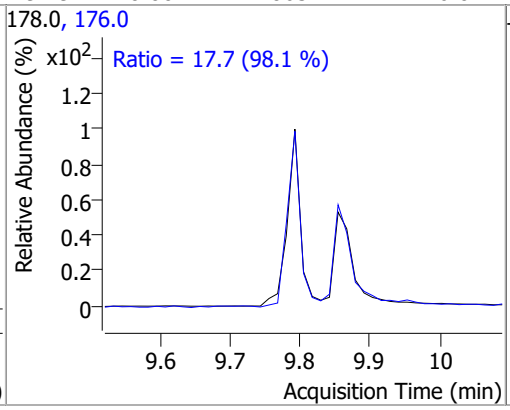


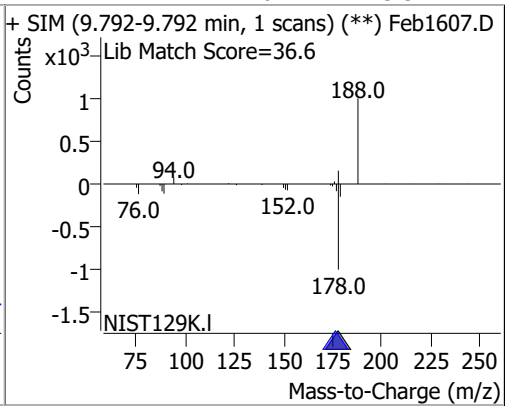




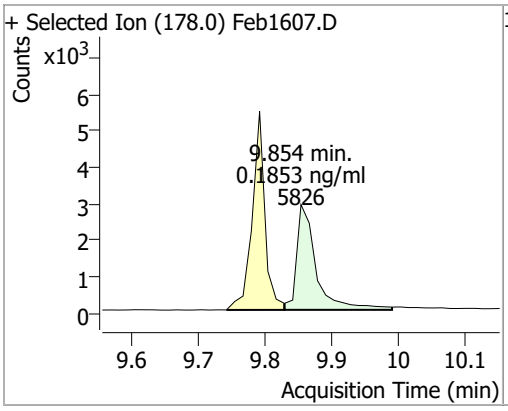
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	0.1916	9.79	0.00	7065	176.0	17.7	12.6	23.5

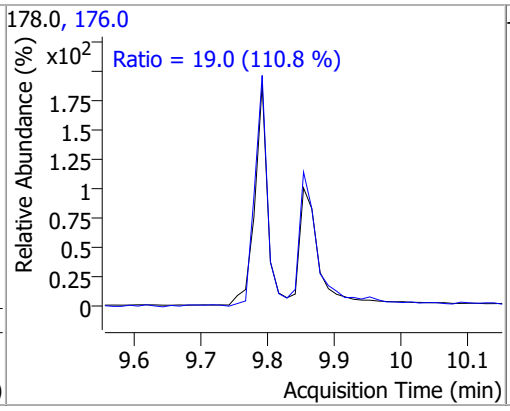


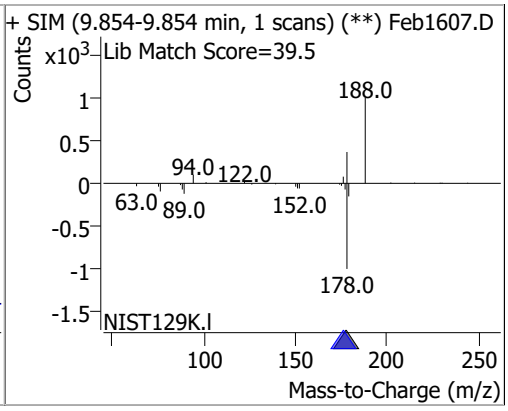




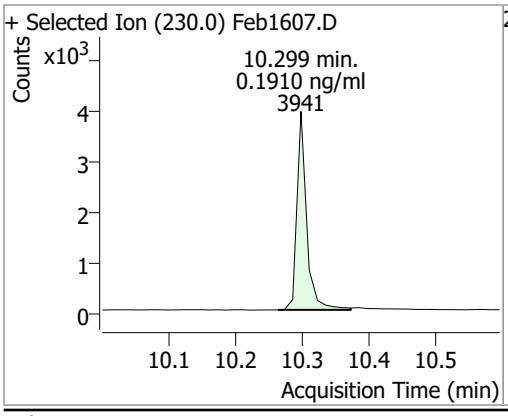
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	0.1853	9.85	0.00	5826	176.0	19.0	12.0	22.3

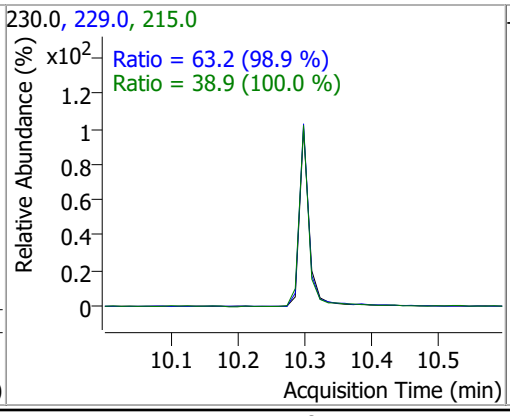


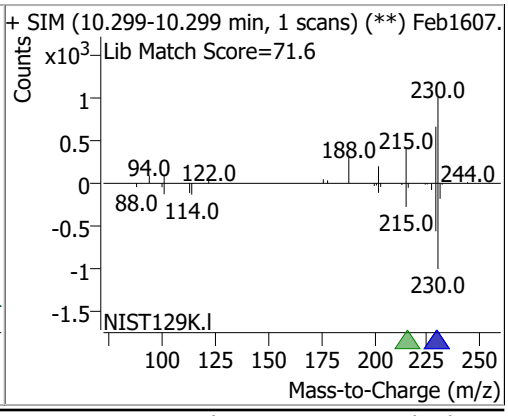




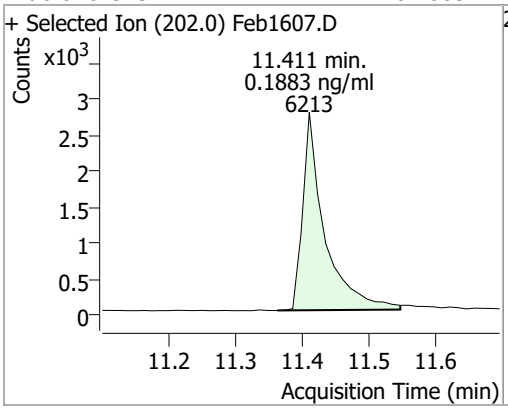
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	0.1910	10.30	0.00	3941	229.0	63.2	44.8	83.1
					215.0	38.9	27.3	50.6

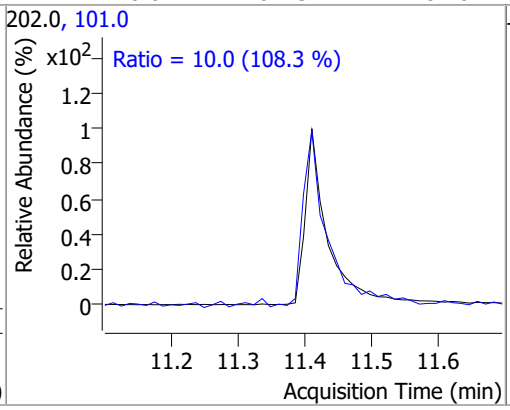


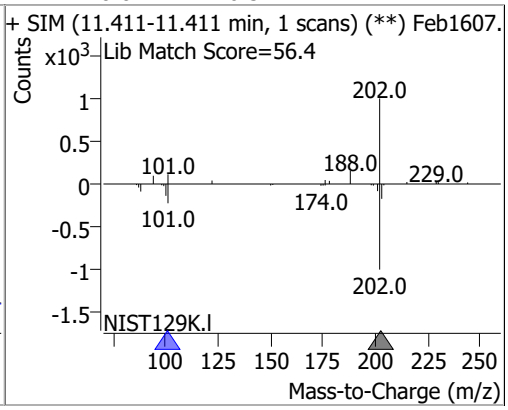




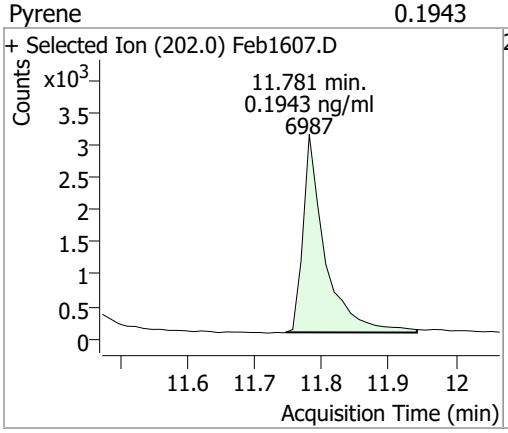
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	0.1883	11.41	0.01	6213	101.0	10.0	6.5	12.1

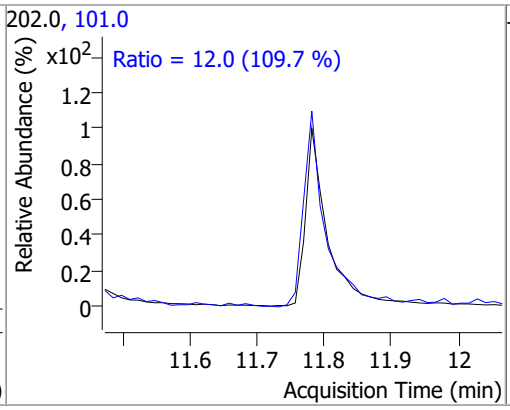


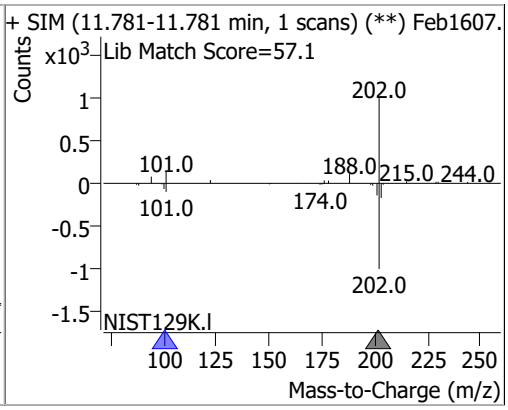




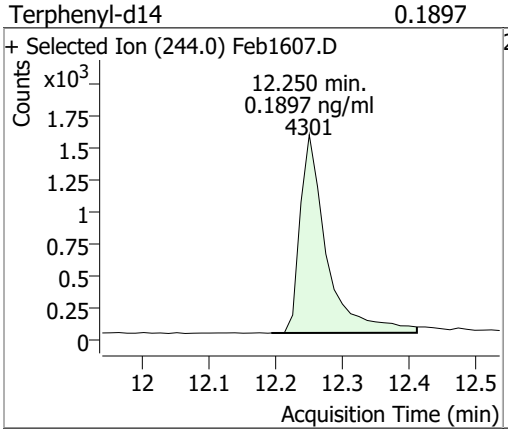
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	0.1943	11.78	0.01	6987	101.0	12.0	7.6	14.2

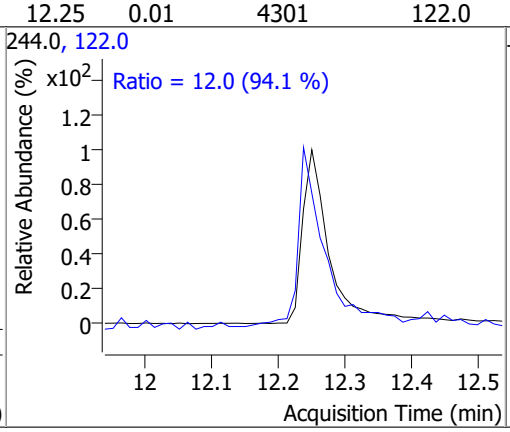


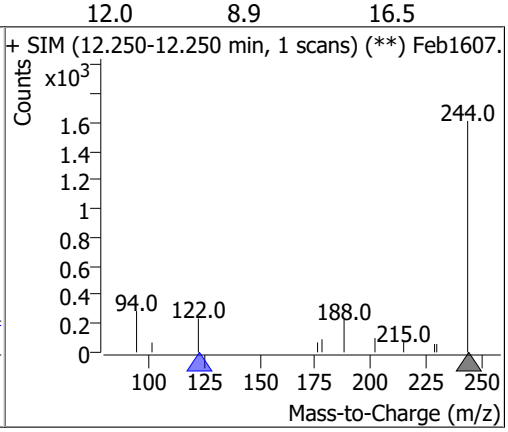




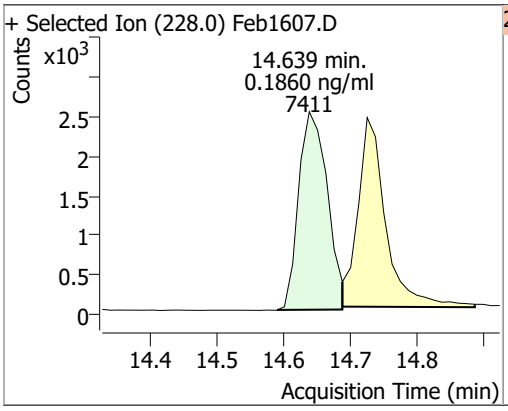
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	0.1897	12.25	0.01	4301	122.0	12.0	8.9	16.5

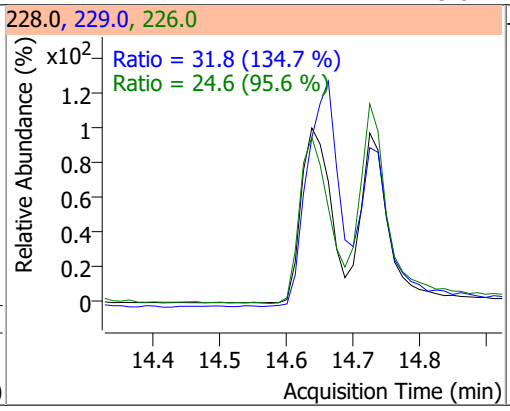


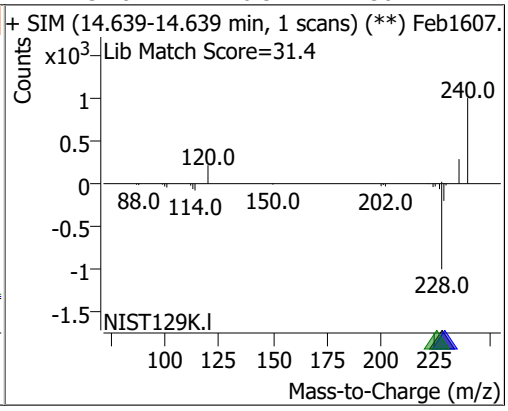




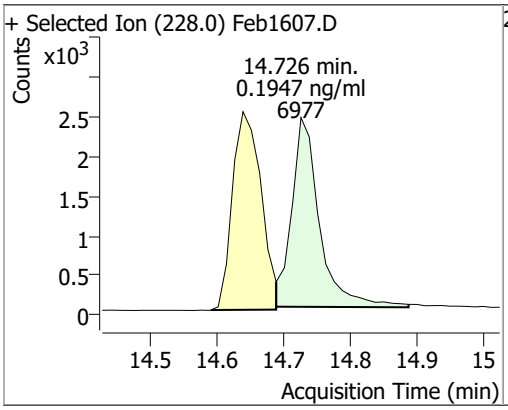
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	0.1860	14.64	0.01	7411	226.0	24.6	18.0	33.4
					229.0	31.8	16.5	30.7

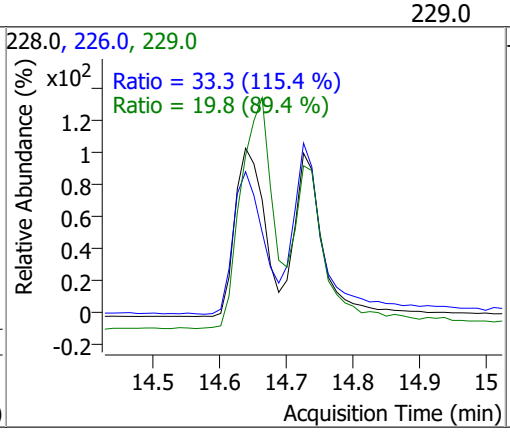


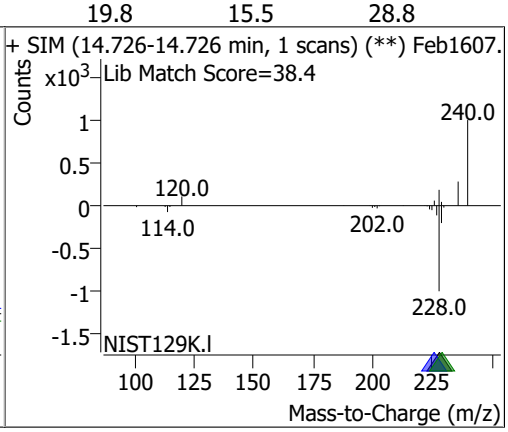




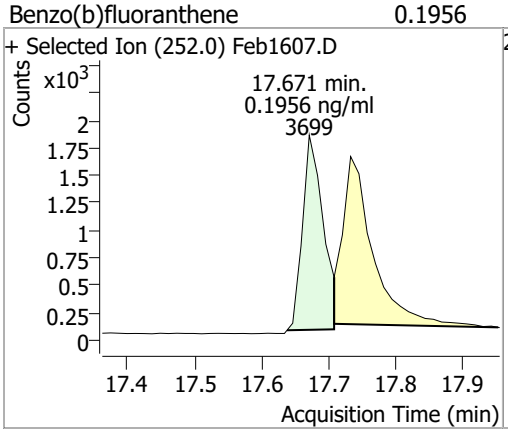
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	0.1947	14.73	0.00	6977	226.0	33.3	20.2	37.5
					229.0	19.8	15.5	28.8

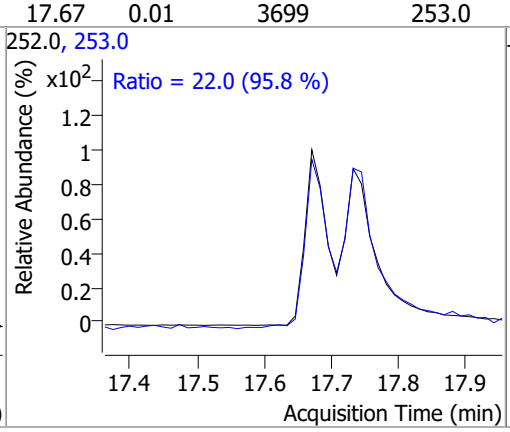


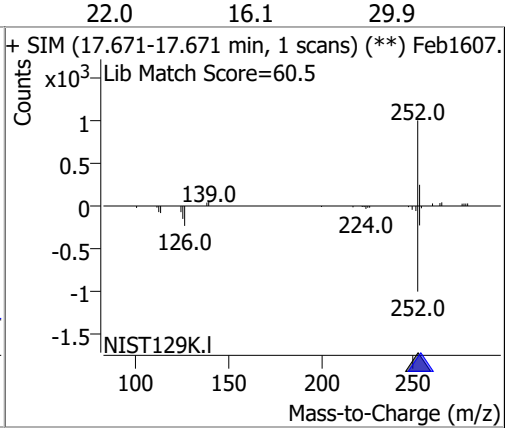




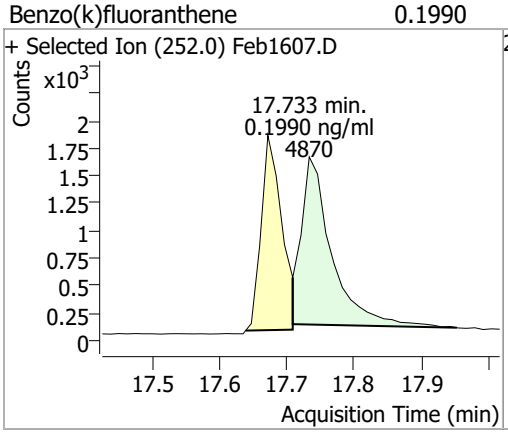
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	0.1956	17.67	0.01	3699	253.0	22.0	16.1	29.9

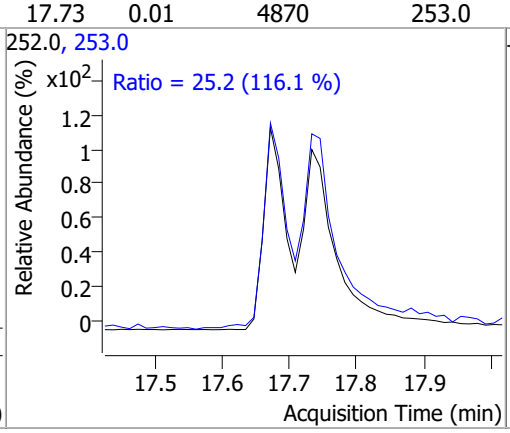


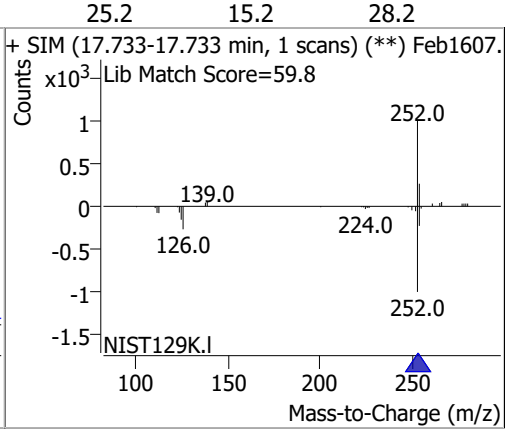




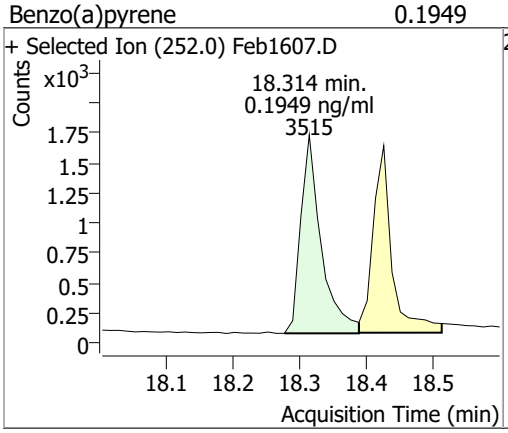
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	0.1990	17.73	0.01	4870	253.0	25.2	15.2	28.2

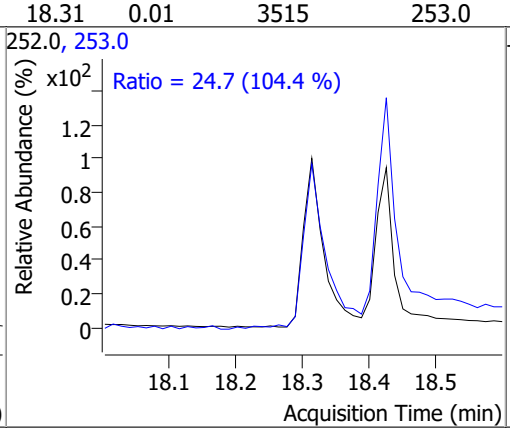


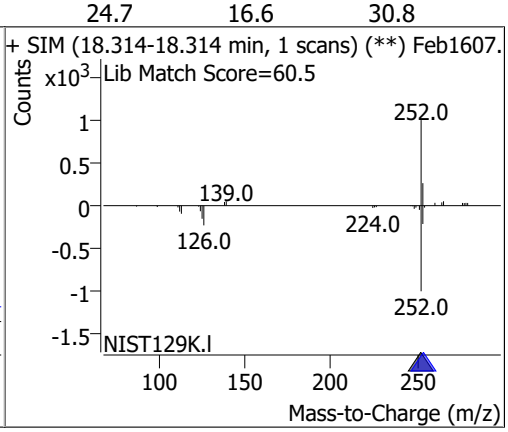




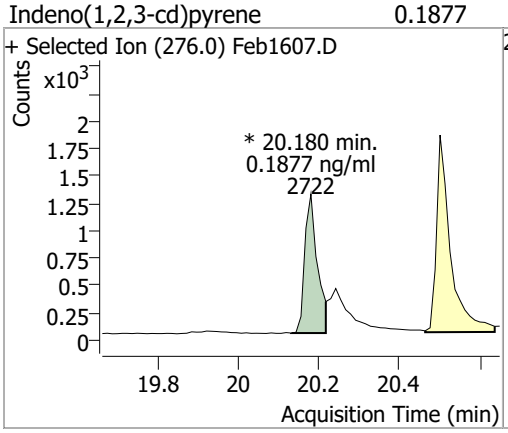
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	0.1949	18.31	0.01	3515	253.0	24.7	16.6	30.8

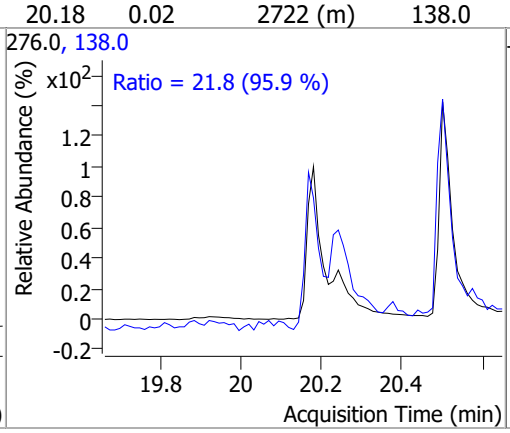


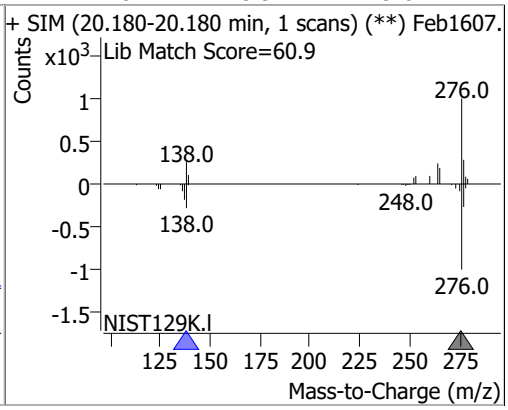




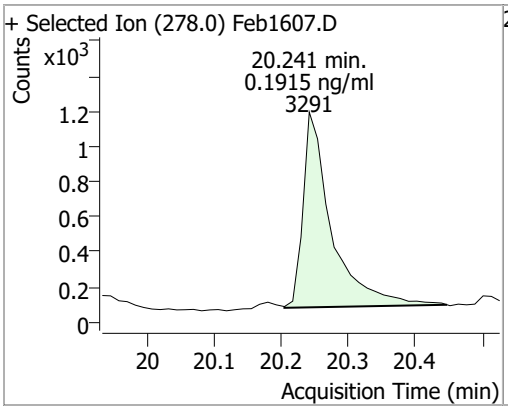
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	0.1877	20.18	0.02	2722 (m)	138.0	21.8	15.9	29.6

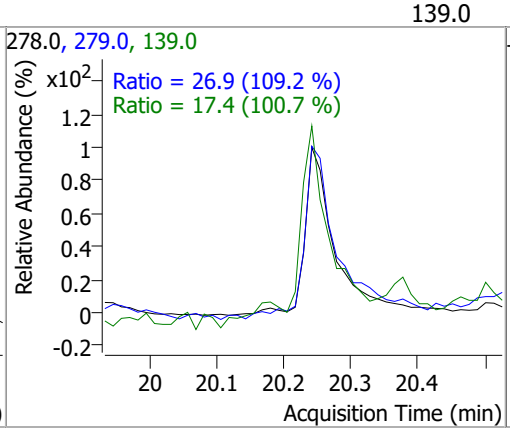


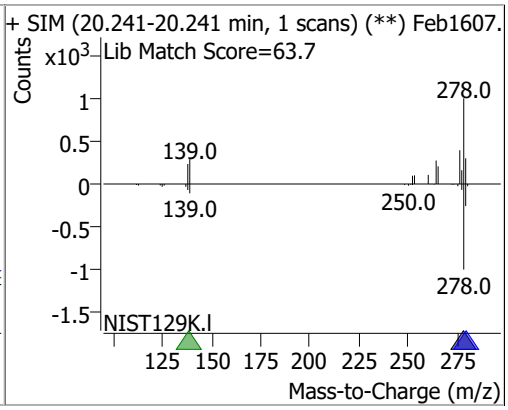




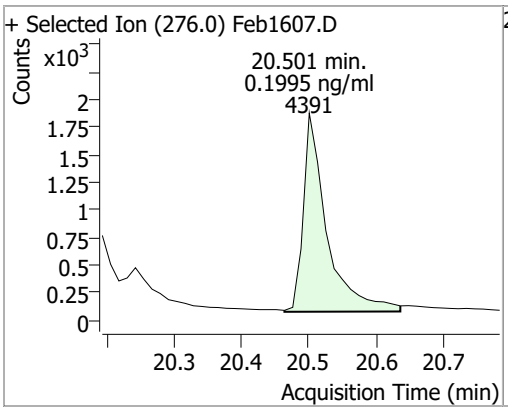
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	0.1915	20.24	0.01	3291	279.0	26.9	17.3	32.0
					139.0	17.4	12.1	22.4

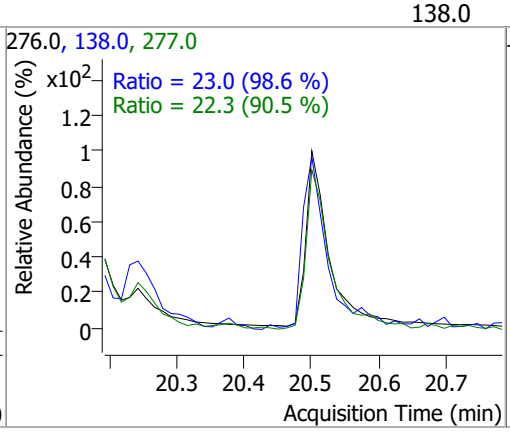


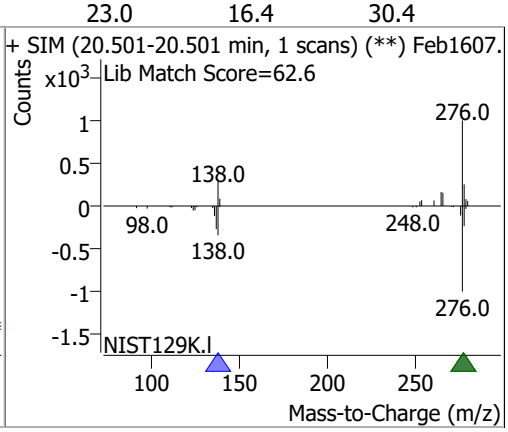




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	0.1995	20.50	0.01	4391	277.0	22.3	17.2	32.0
					138.0	23.0	16.4	30.4



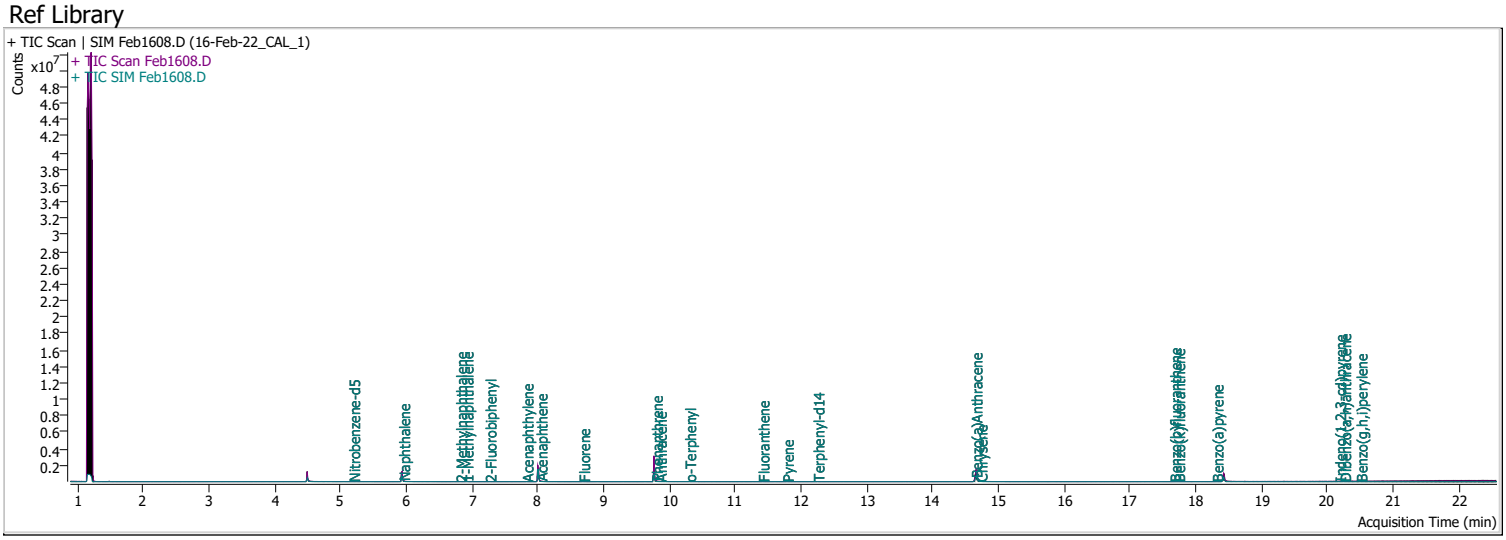




Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

Data File	Feb1608.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 4:18:59 PM
Sample Name	16-Feb-22_CAL_1	Instrument	GCMS
Vial	8	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

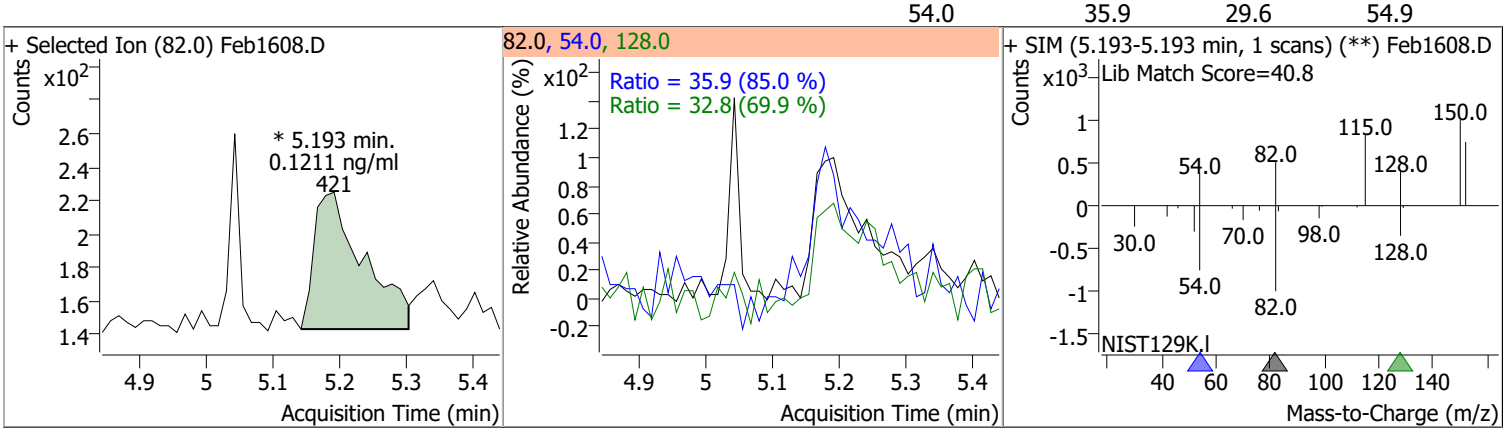


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	183966	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	868120	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.001	164.0	638648	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1176030	40.0000	ng/ml		0.000
M Chrysene-d12	14.664	240.0	923324	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	588546	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.193	82.0	421	0.1211	ng/ml	#m	0.050
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 2.42%		*	
S 2-Fluorobiphenyl	7.265	172.0	2253	0.0947	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1.89%		*	
S o-Terphenyl	10.299	230.0	2309	0.0990	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 1.98%		*	
S Terphenyl-d14	12.251	244.0	2564	0.1025	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 2.05%		*	
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	2684	0.1011	ng/ml	#m	64
T 2-Methylnaphthalene	6.815	141.0	1513	0.1124	ng/ml	m	88
T 1-Methylnaphthalene	6.915	141.0	1726	0.1163	ng/ml	m	88
T Acenaphthylene	7.826	152.0	3000	0.1005	ng/ml		95
T Acenaphthene	8.038	154.0	2337	0.0982	ng/ml	m	83
T Fluorene	8.686	166.0	2527	0.0990	ng/ml	#	77
T Phenanthrene	9.793	178.0	4187	0.0959	ng/ml		97
T Anthracene	9.854	178.0	3507	0.1022	ng/ml		99
T Fluoranthene	11.411	202.0	3625	0.0994	ng/ml		99
T Pyrene	11.781	202.0	4005	0.1024	ng/ml		100
T Benzo(a)Anthracene	14.652	228.0	5343	0.1024	ng/ml	#	86
T Chrysene	14.726	228.0	3938	0.0971	ng/ml	#	82
T Benzo(b)fluoranthene	17.672	252.0	2079	0.1065	ng/ml		99

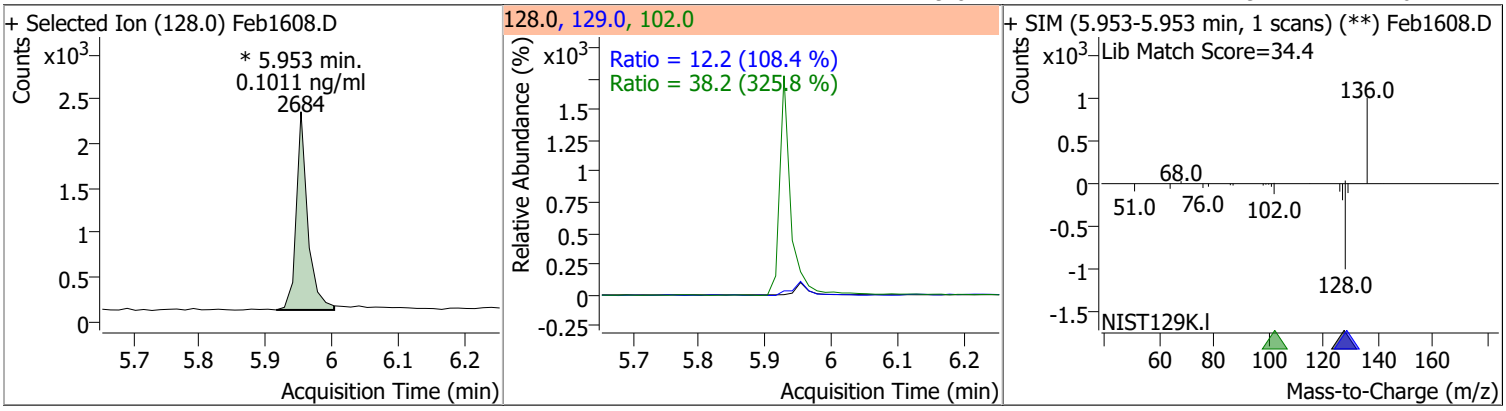
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	17.733	252.0	2719	0.1038	ng/ml	#m	86
T Benzo(a)pyrene	18.314	252.0	2000	0.0968	ng/ml		99
T Indeno(1,2,3-cd)pyrene	20.180	276.0	1597	0.1041	ng/ml		100
T Dibenzo(a,h)anthracene	20.254	278.0	1774	0.0945	ng/ml	m	98
T Benzo(g,h,i)perylene	20.501	276.0	2349	0.0933	ng/ml	m	96

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

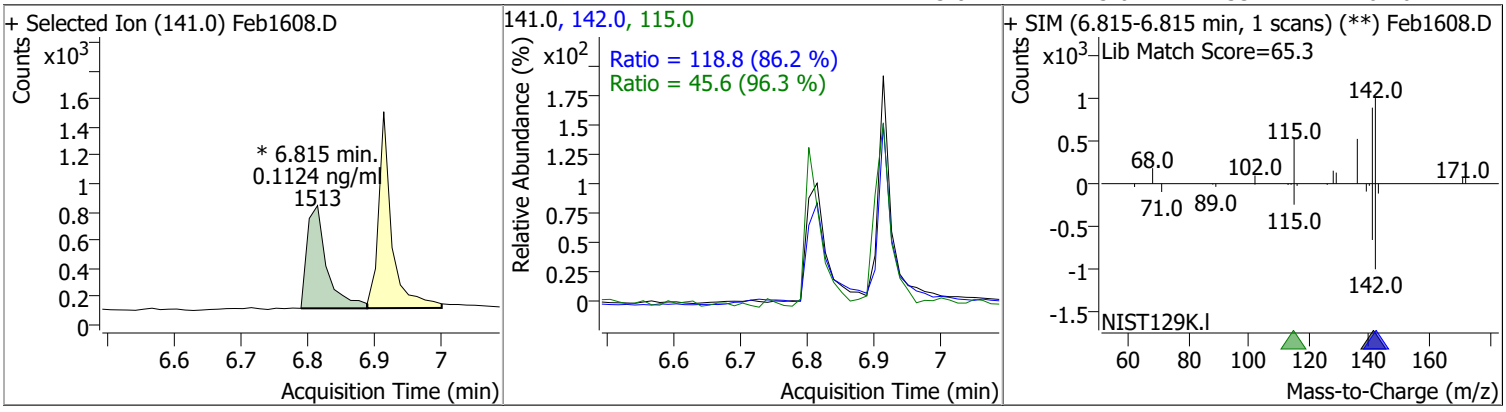
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	0.1211	5.19	0.05	421 (m)	128.0	32.8	32.9	61.0
					54.0	35.9	29.6	54.9



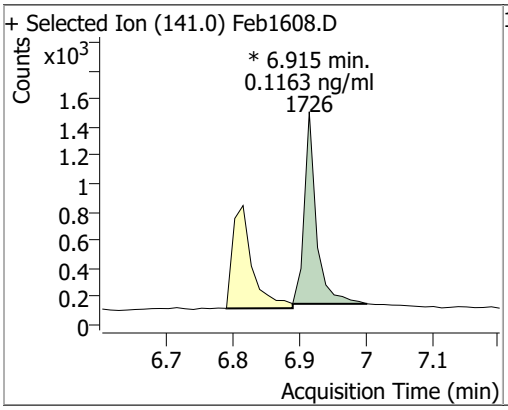
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	0.1011	5.95	0.00	2684 (m)	102.0	38.2	0.0	35.2
					129.0	12.2	7.9	14.6

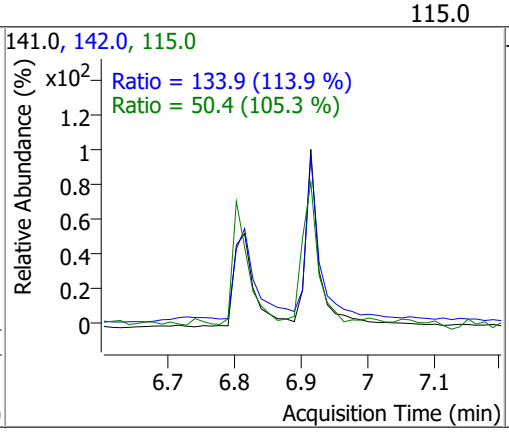


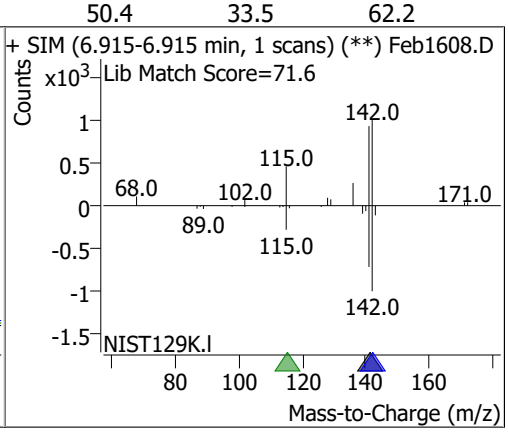
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	0.1124	6.81	0.02	1513 (m)	142.0	118.8	96.5	179.2
					115.0	45.6	33.2	61.6



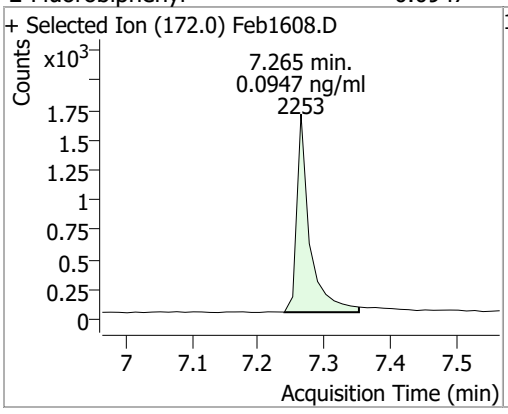
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	0.1163	6.91	0.01	1726 (m)	142.0	133.9	82.3	152.8
					115.0	50.4	33.5	62.2

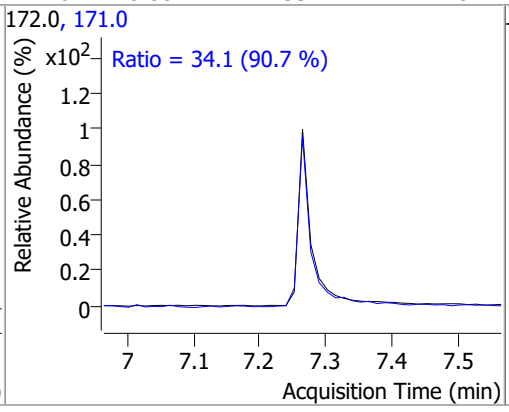


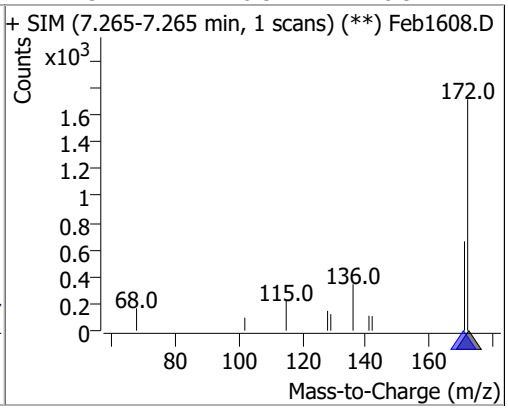




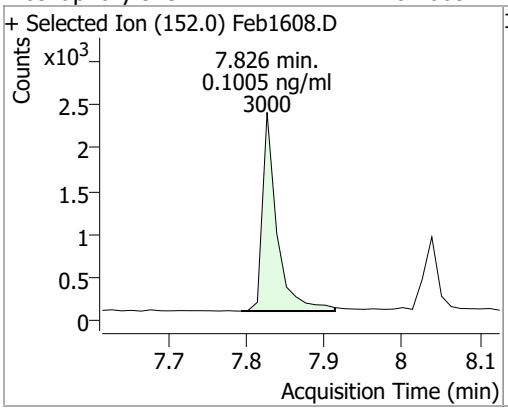
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	0.0947	7.26	0.00	2253	171.0	34.1	26.3	48.9

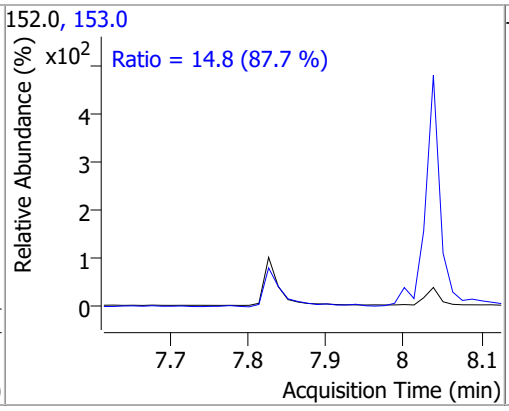


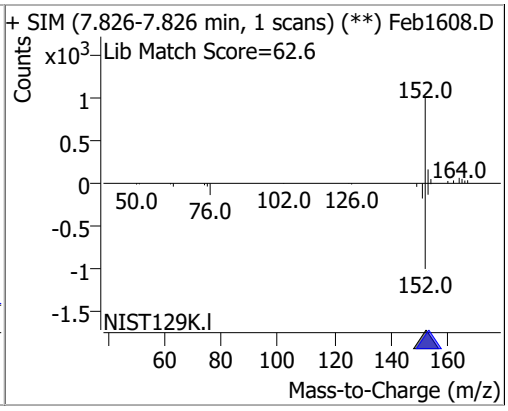




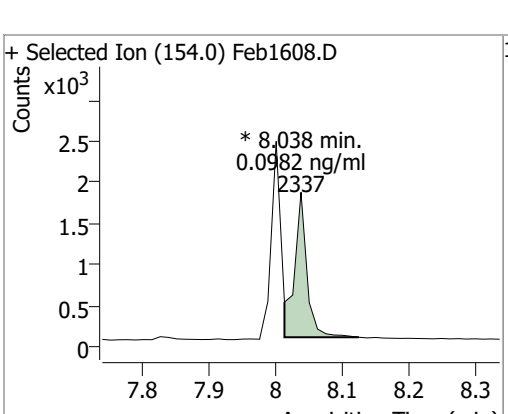
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	0.1005	7.83	0.00	3000	153.0	14.8	11.8	22.0

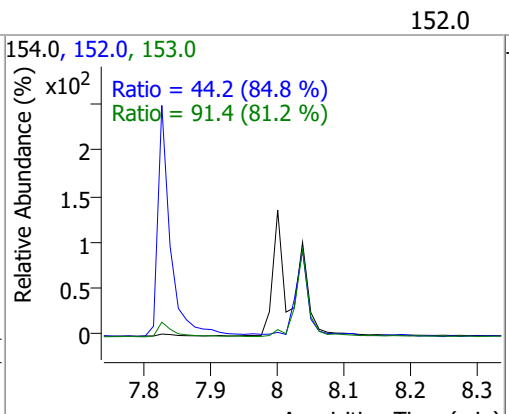


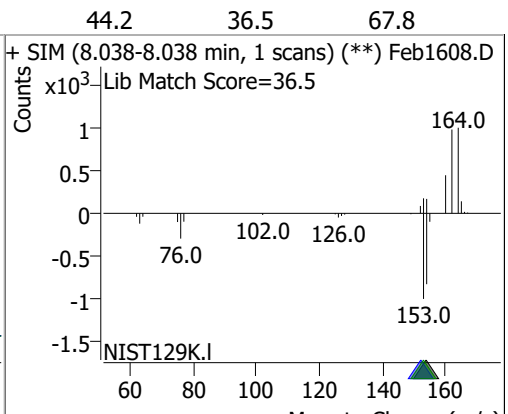




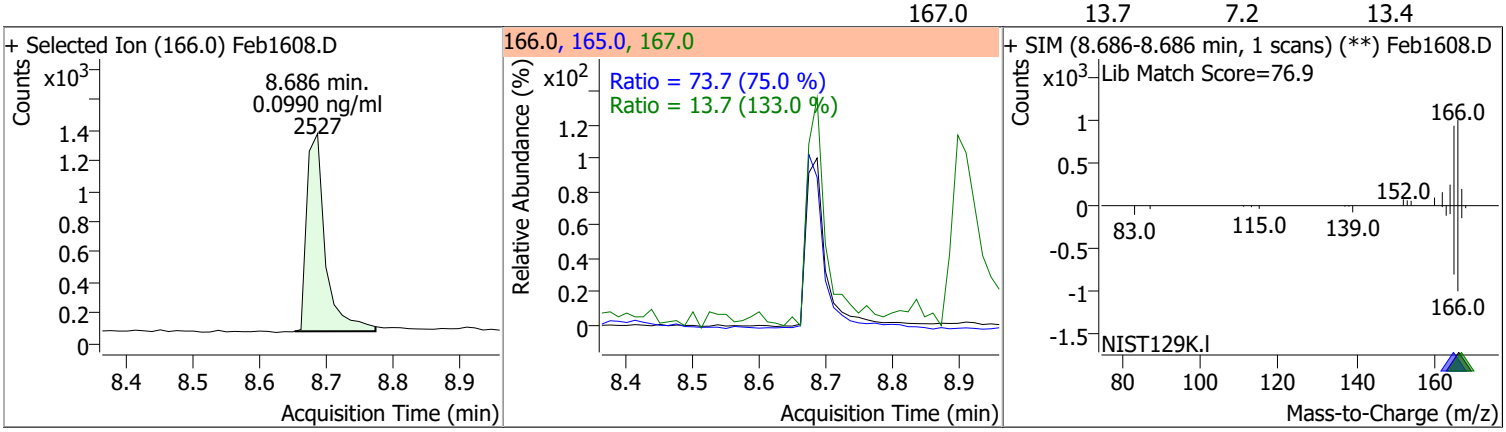
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	0.0982	8.04	0.00	2337 (m)	153.0	91.4	78.7	146.2
					152.0	44.2	36.5	67.8



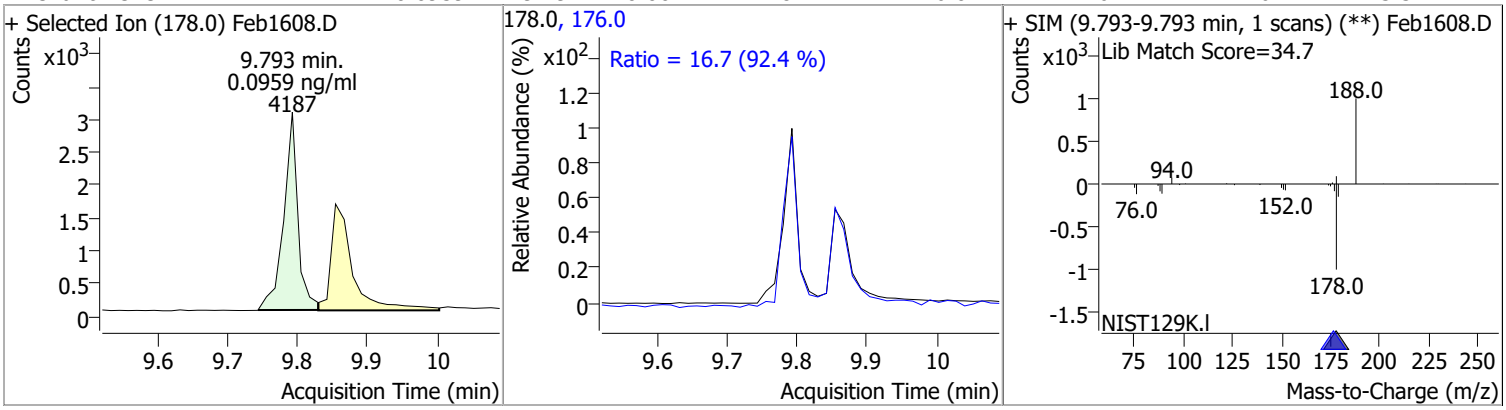




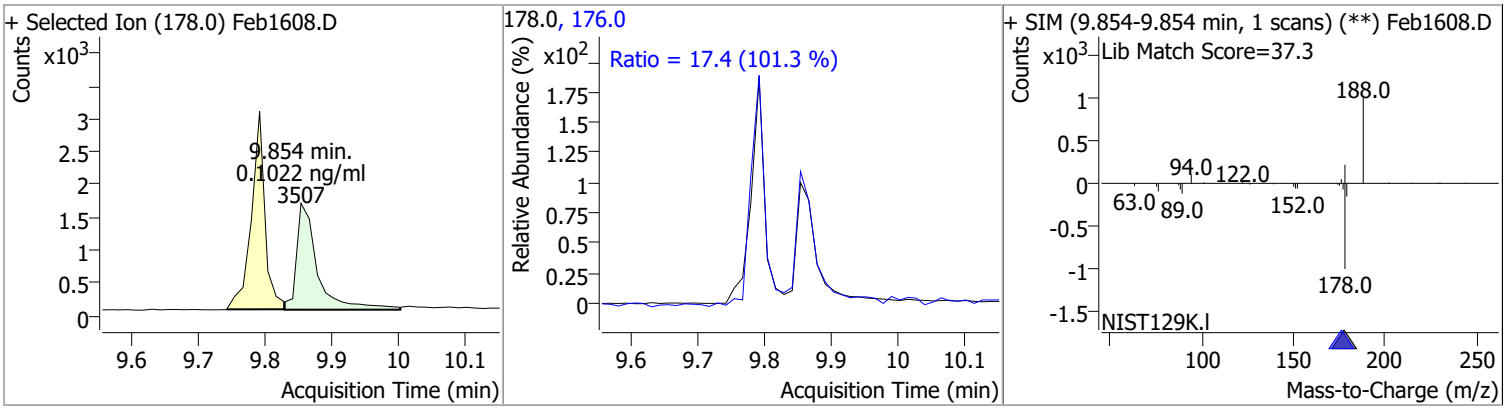
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	0.0990	8.69	0.02	2527	165.0	73.7	68.8	127.8
					167.0	13.7	7.2	13.4



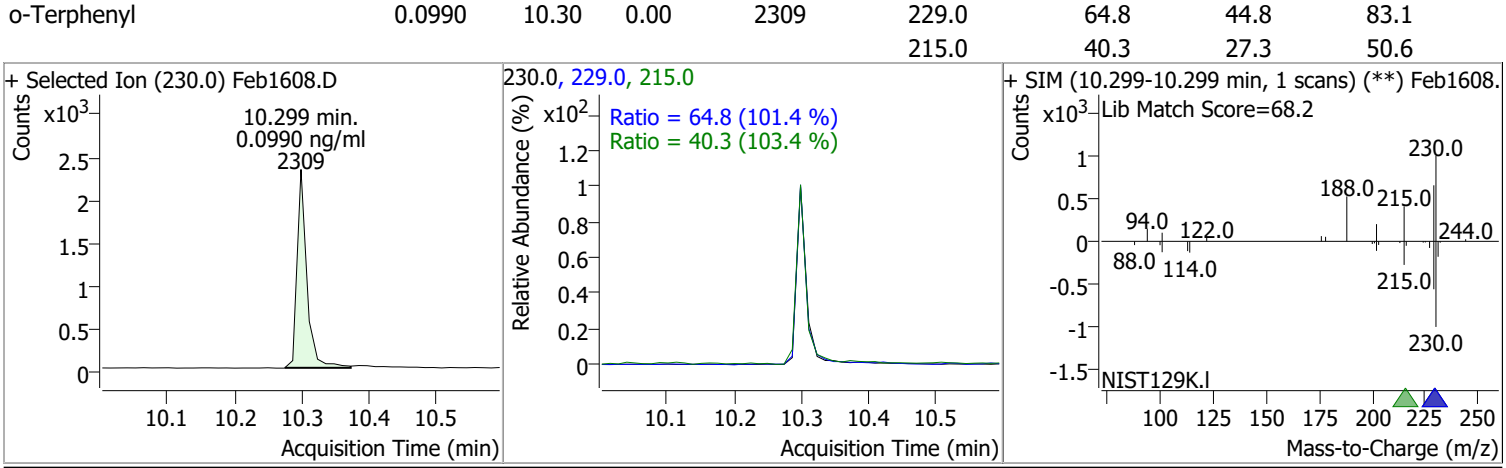
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	0.0959	9.79	0.00	4187	176.0	16.7	12.6	23.5



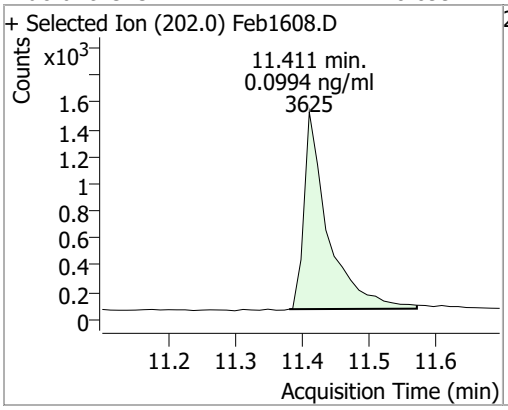
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	0.1022	9.85	0.00	3507	176.0	17.4	12.0	22.3

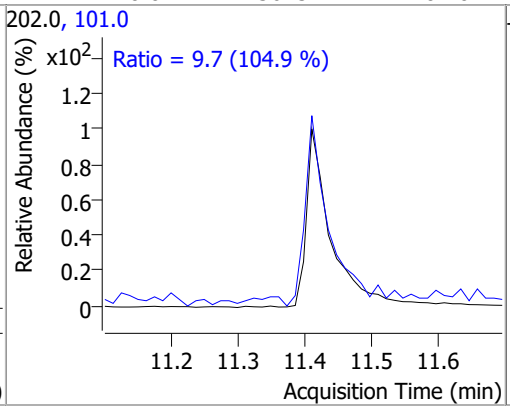


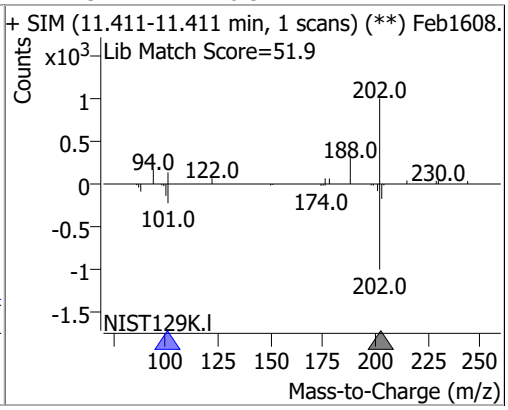
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	0.0990	10.30	0.00	2309	229.0	64.8	44.8	83.1
					215.0	40.3	27.3	50.6



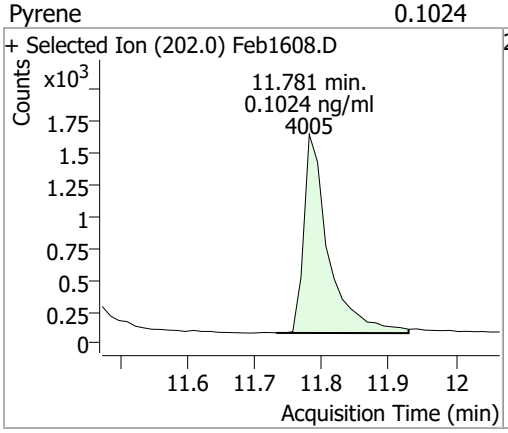
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	0.0994	11.41	0.01	3625	101.0	9.7	6.5	12.1

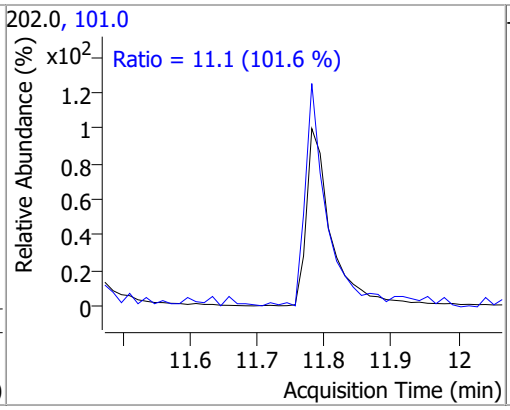


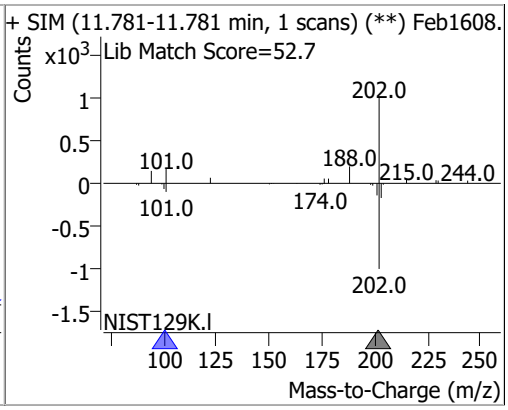




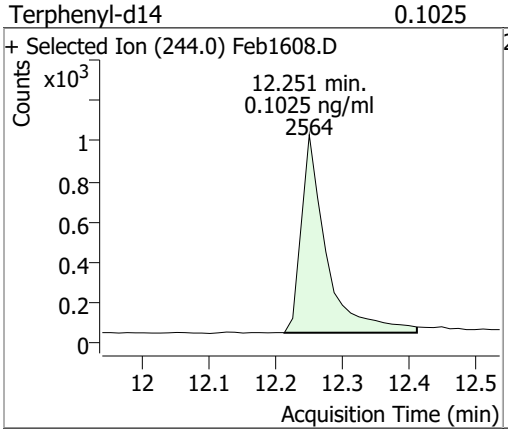
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	0.1024	11.78	0.01	4005	101.0	11.1	7.6	14.2

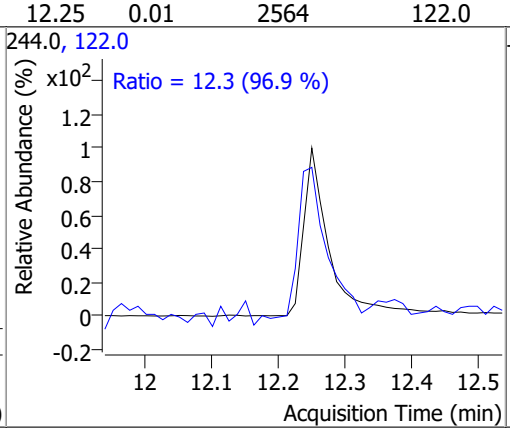


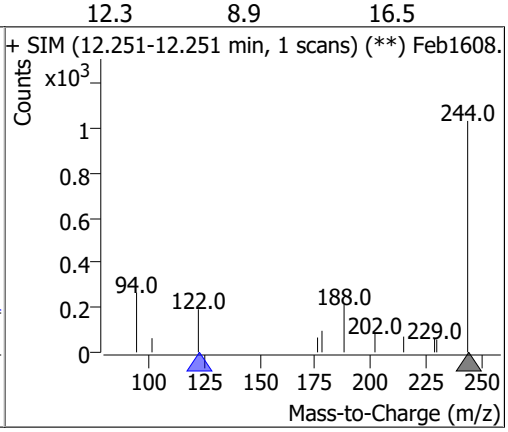




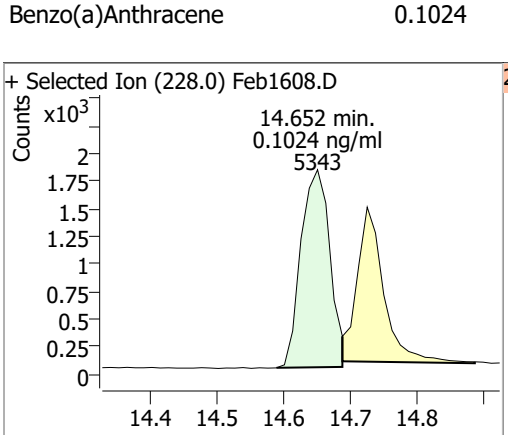
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	0.1025	12.25	0.01	2564	122.0	12.3	8.9	16.5

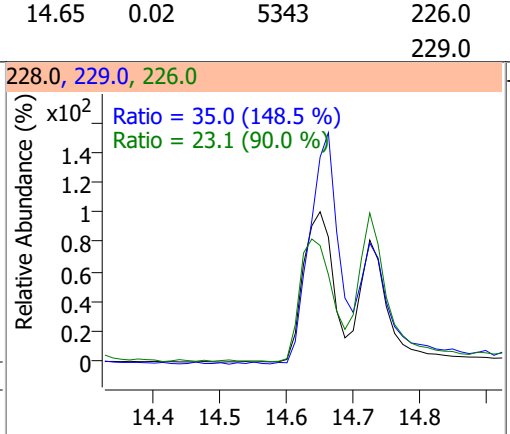


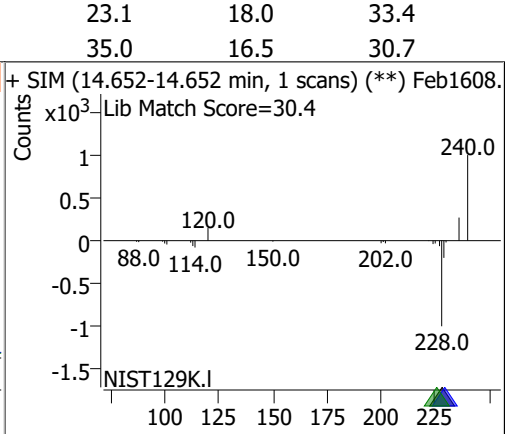




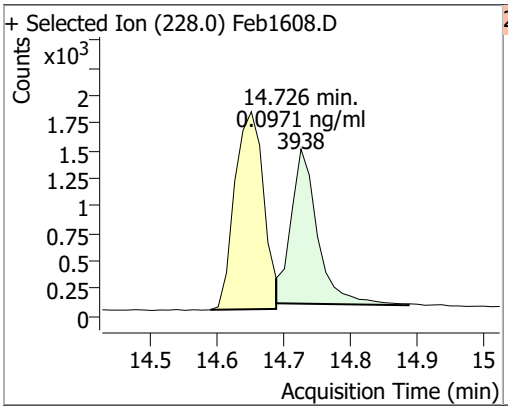
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	0.1024	14.65	0.02	5343	226.0	23.1	18.0	33.4
					229.0	35.0	16.5	30.7

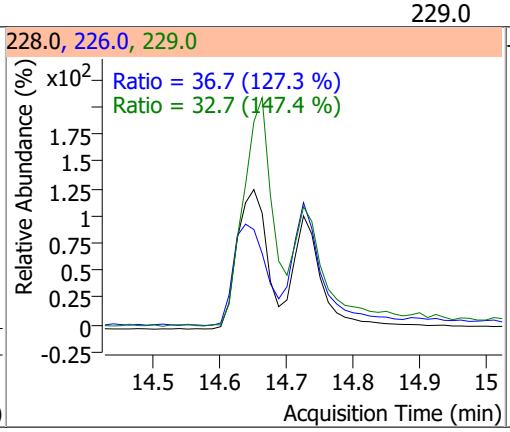


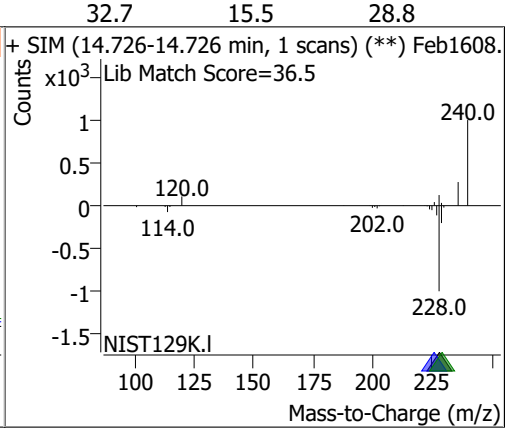




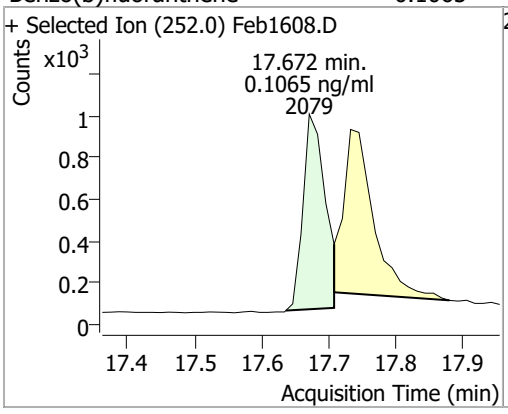
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	0.0971	14.73	0.00	3938	226.0	36.7	20.2	37.5
					229.0	32.7	15.5	28.8

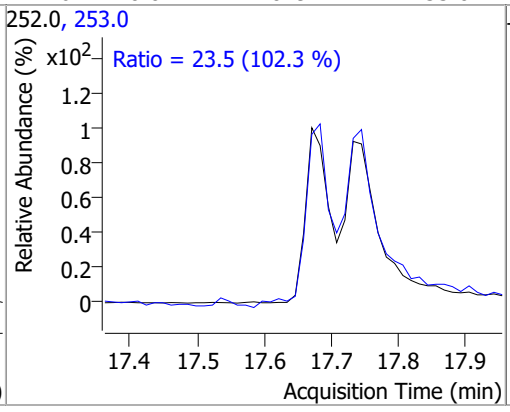


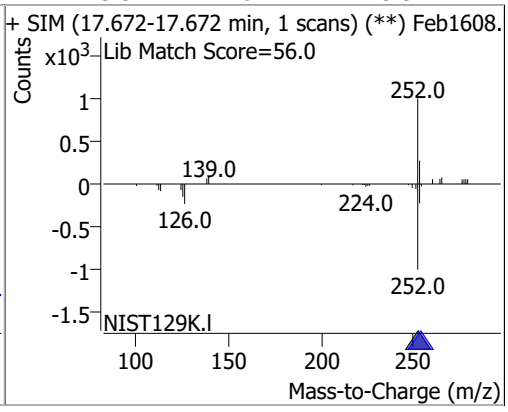




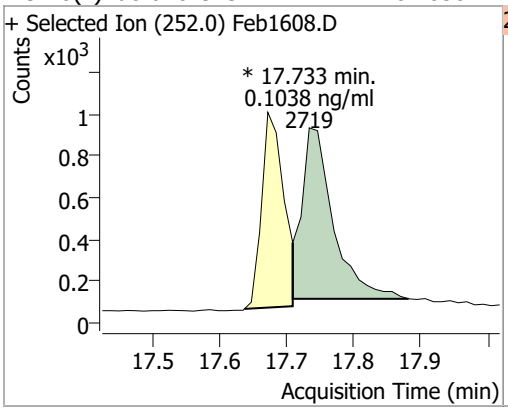
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	0.1065	17.67	0.01	2079	253.0	23.5	16.1	29.9

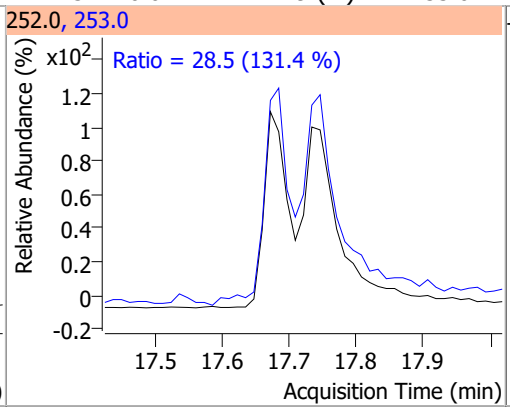


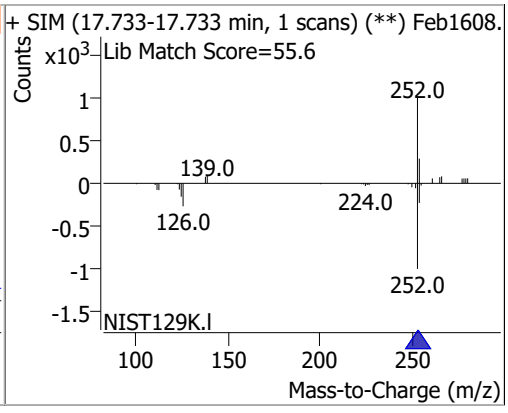




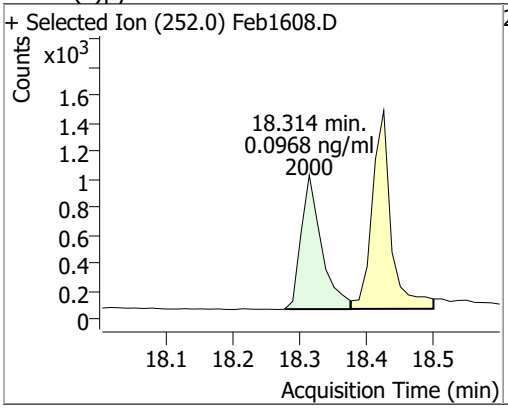
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	0.1038	17.73	0.01	2719 (m)	253.0	28.5	15.2	28.2

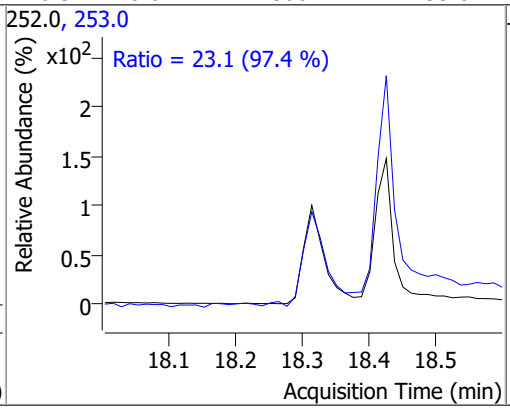


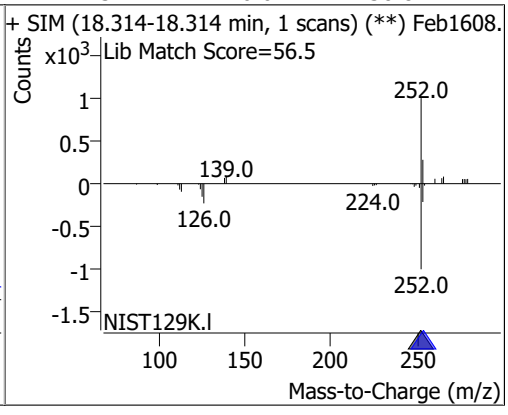




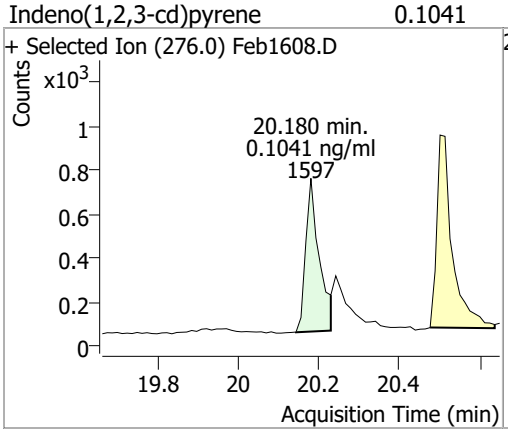
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	0.0968	18.31	0.01	2000	253.0	23.1	16.6	30.8

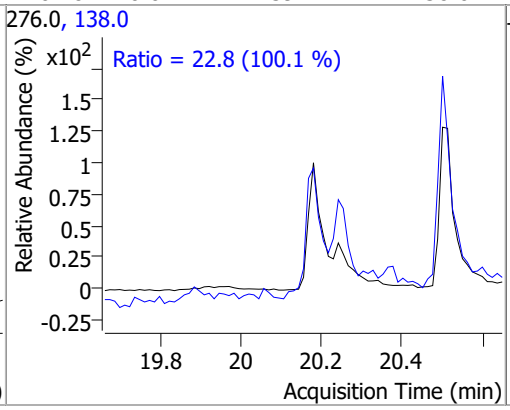


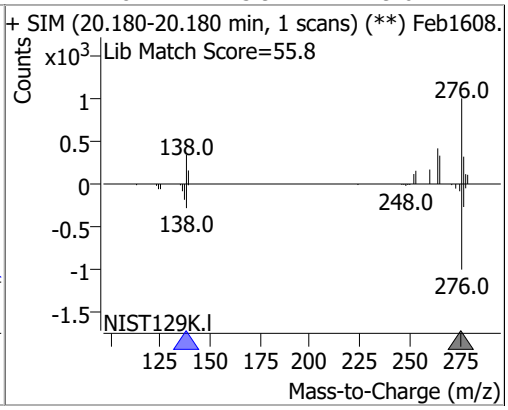




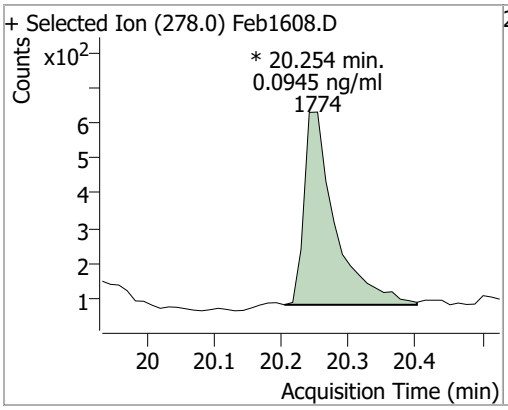
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	0.1041	20.18	0.02	1597	138.0	22.8	15.9	29.6

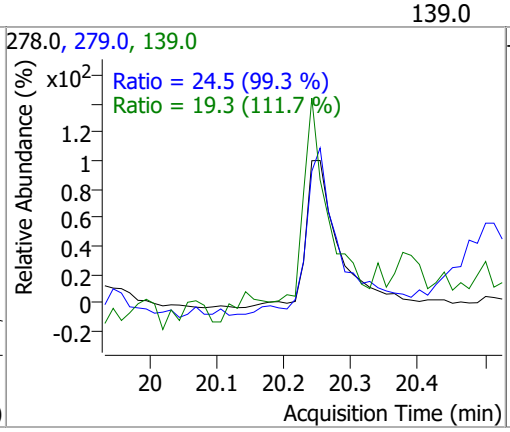


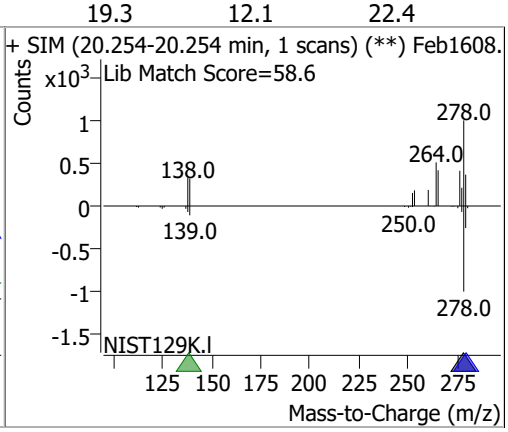




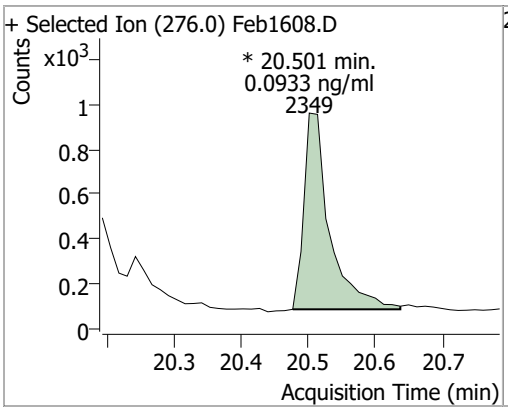
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	0.0945	20.25	0.02	1774 (m)	279.0	24.5	17.3	32.0
					139.0	19.3	12.1	22.4

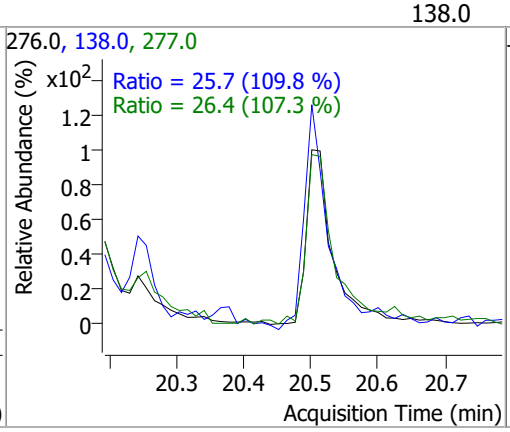


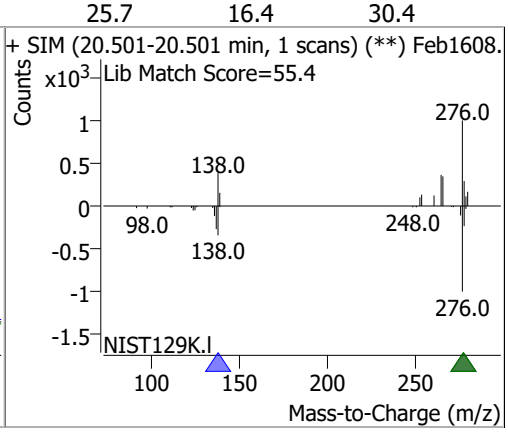




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	0.0933	20.50	0.01	2349 (m)	277.0	26.4	17.2	32.0
					138.0	25.7	16.4	30.4

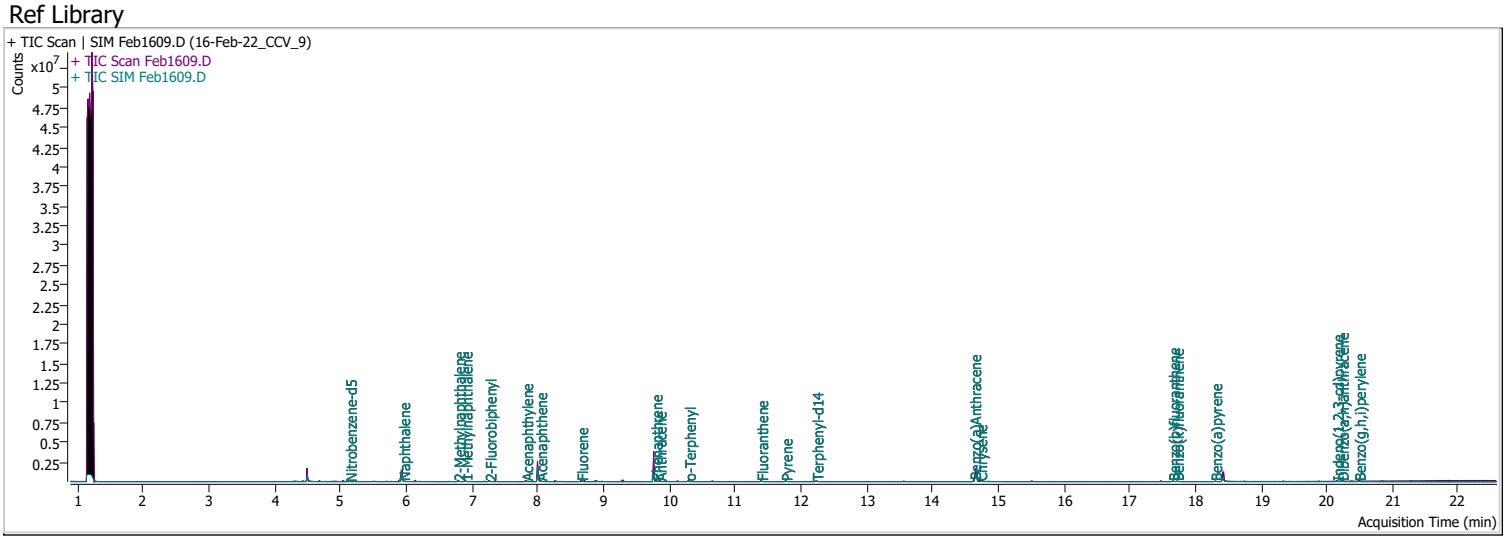






Quantitation Results Report (QT Reviewed)

Data File	Feb1609.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 4:51:23 PM
Sample Name	16-Feb-22_CCV_9	Instrument	GCMS
Vial	9	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

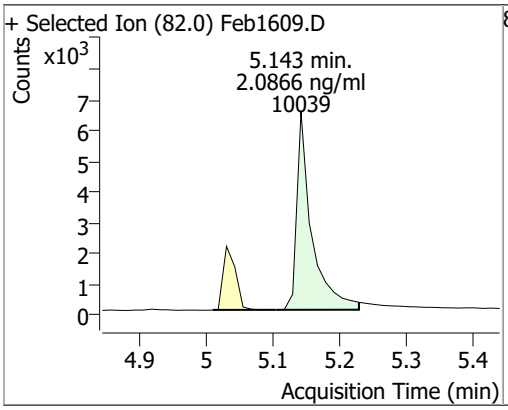


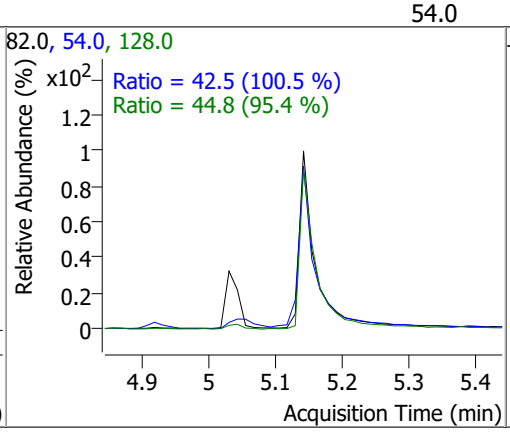
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	235875	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1041677	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.000	164.0	743394	40.0000	ng/ml	m	0.000
M Phenanthrene-d10	9.768	188.0	1349297	40.0000	ng/ml		0.000
M Chrysene-d12	14.664	240.0	1064314	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	689257	40.0000	ng/ml	m	0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	10039	2.0866	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 41.73%			
S 2-Fluorobiphenyl	7.264	172.0	39464	2.0186	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 40.37%			
S o-Terphenyl	10.299	230.0	41045	2.2524	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 45.05%			
S Terphenyl-d14	12.238	244.0	43553	2.0765	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 41.53%			
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	56898	2.2658	ng/ml		100
T 2-Methylnaphthalene	6.790	141.0	38687	2.3934	ng/ml		97
T 1-Methylnaphthalene	6.902	141.0	35829	2.0125	ng/ml		90
T Acenaphthylene	7.826	152.0	55181	2.2966	ng/ml		99
T Acenaphthene	8.038	154.0	43441	2.3936	ng/ml		97
T Fluorene	8.661	166.0	50791	2.3660	ng/ml	#	97
T Phenanthrene	9.793	178.0	71338	2.2726	ng/ml		100
T Anthracene	9.854	178.0	62160	2.1742	ng/ml		100
T Fluoranthene	11.398	202.0	68514	2.2249	ng/ml		99
T Pyrene	11.769	202.0	77595	2.2959	ng/ml		99
T Benzo(a)Anthracene	14.639	228.0	59353	2.3423	ng/ml		100
T Chrysene	14.726	228.0	76086	2.3457	ng/ml		100
T Benzo(b)fluoranthene	17.659	252.0	49458	2.3282	ng/ml		100

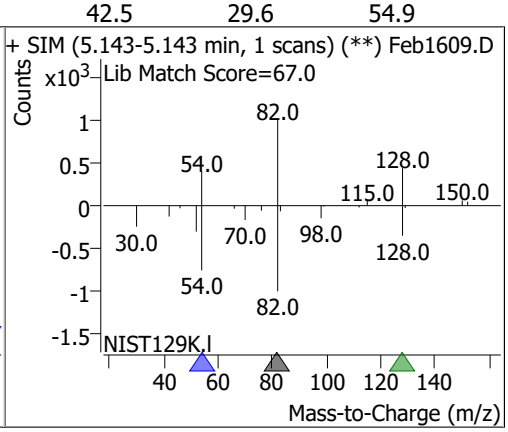
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.721	252.0	56334	2.2033	ng/ml	97
T Benzo(a)pyrene	18.302	252.0	40666	2.2152	ng/ml	100
T Indeno(1,2,3-cd)pyrene	20.155	276.0	34438	2.1867	ng/ml	99
T Dibenzo(a,h)anthracene	20.229	278.0	39673	2.1549	ng/ml	96
T Benzo(g,h,i)perylene	20.489	276.0	49203	2.2064	ng/ml	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

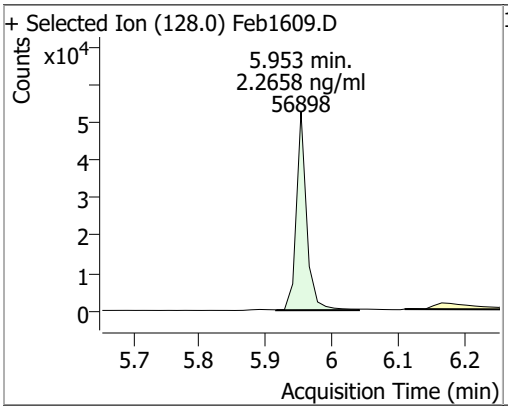
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	2.0866	5.14	0.00	10039	128.0	44.8	32.9	61.0
					54.0	42.5	29.6	54.9

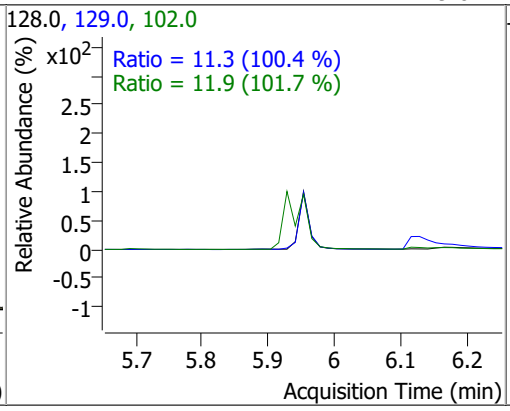


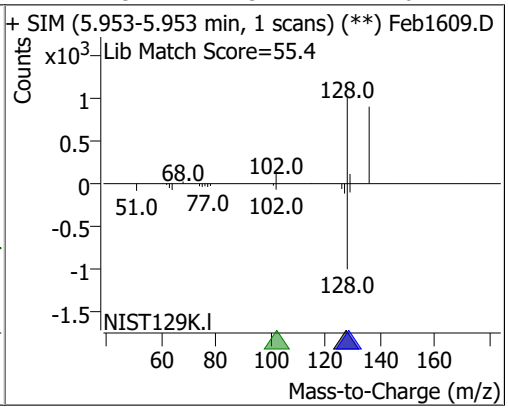




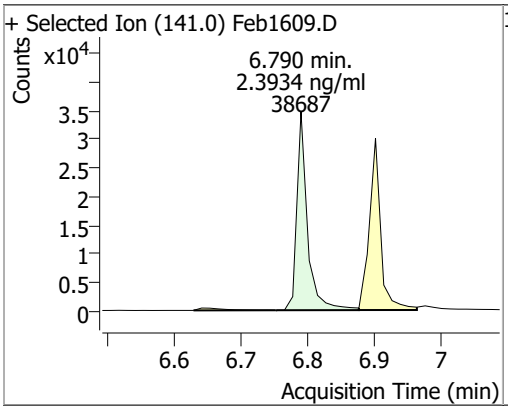
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	2.2658	5.95	0.00	56898	102.0	11.9	0.0	35.2
					129.0	11.3	7.9	14.6

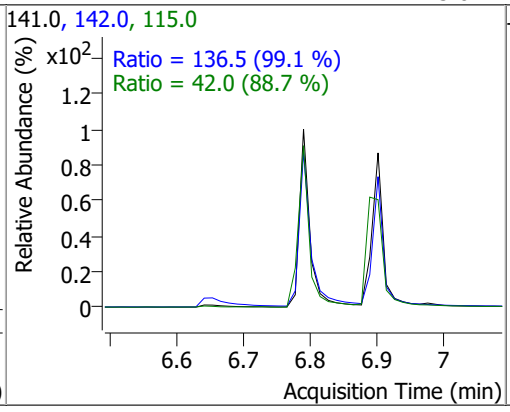


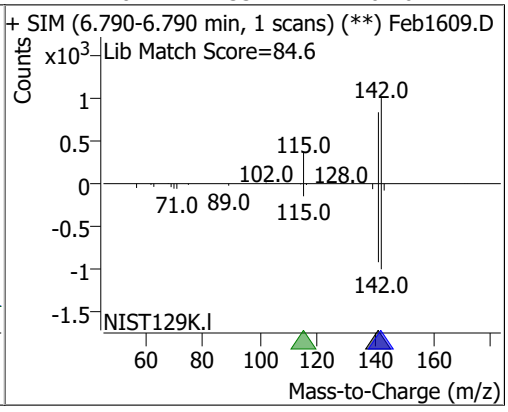




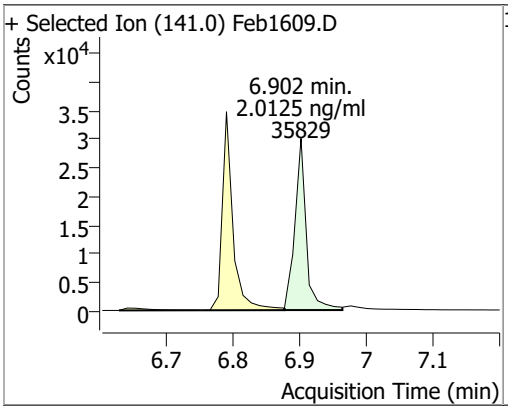
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	2.3934	6.79	0.00	38687	142.0	136.5	96.5	179.2
					115.0	42.0	33.2	61.6

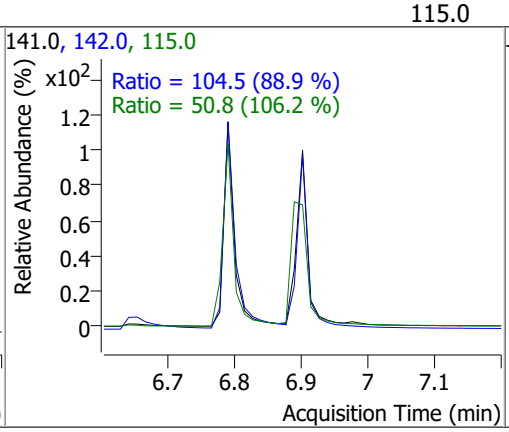


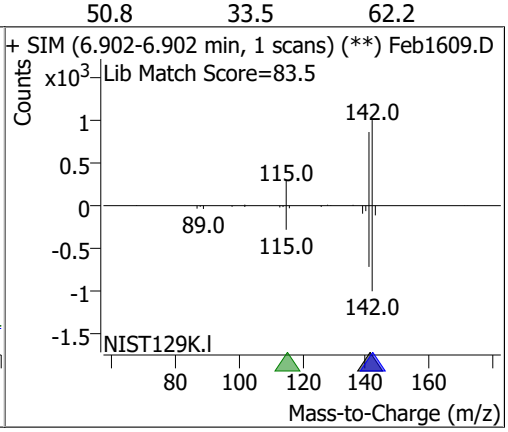




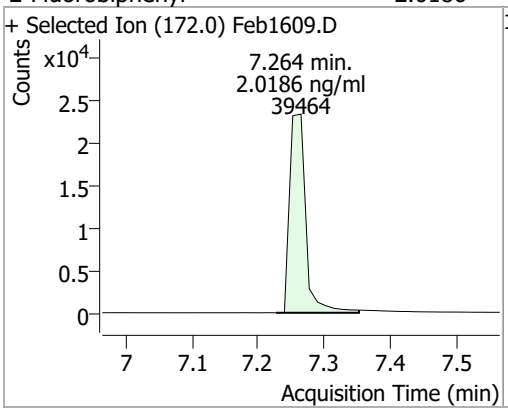
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	2.0125	6.90	0.00	35829	142.0	104.5	82.3	152.8
					115.0	50.8	33.5	62.2

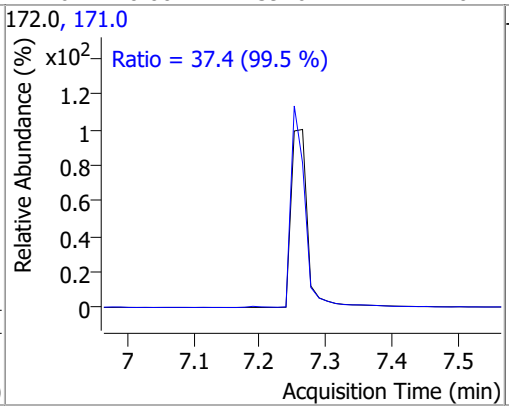


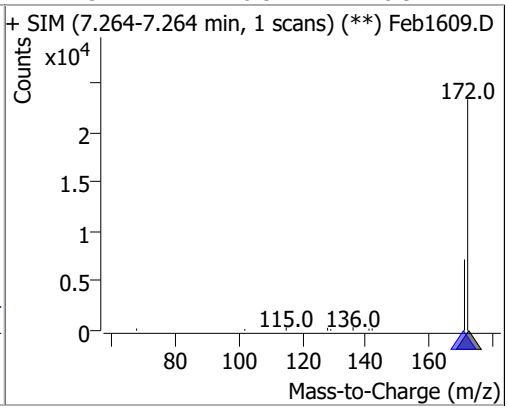




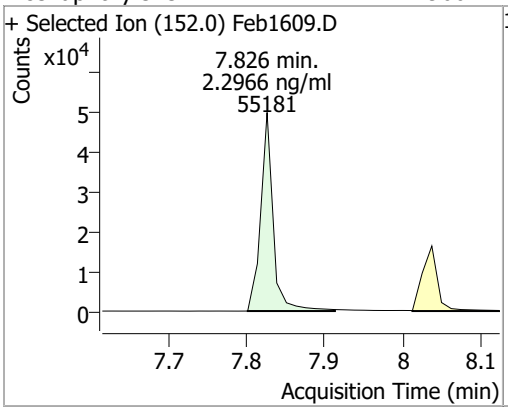
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	2.0186	7.26	0.00	39464	171.0	37.4	26.3	48.9

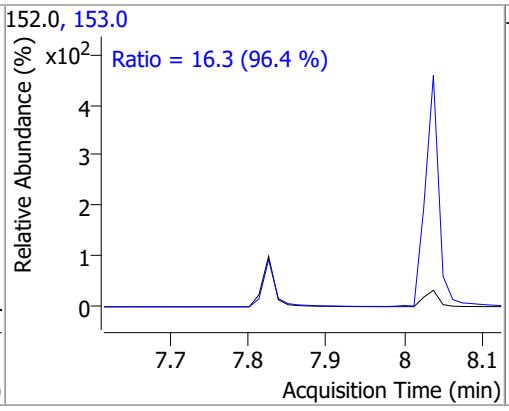


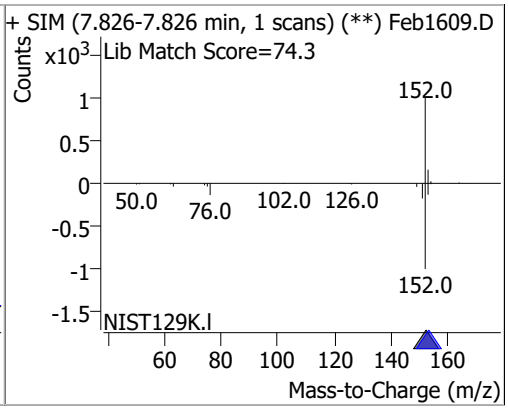




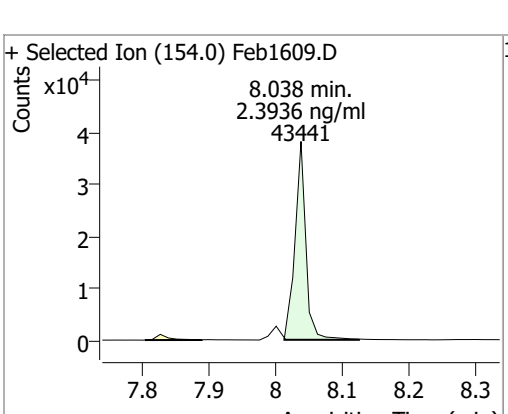
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	2.2966	7.83	0.00	55181	153.0	16.3	11.8	22.0

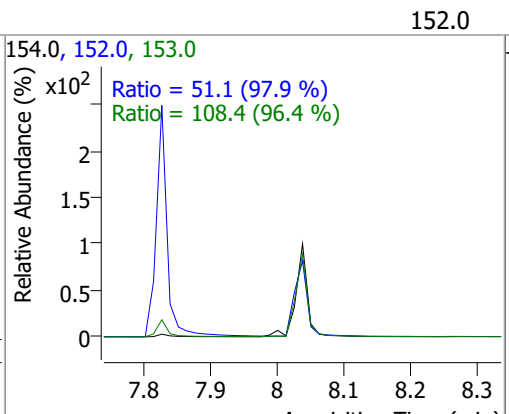


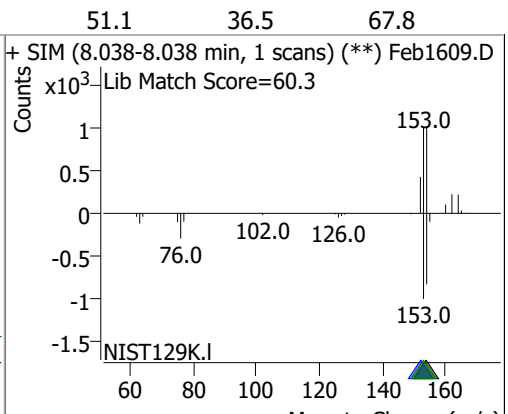




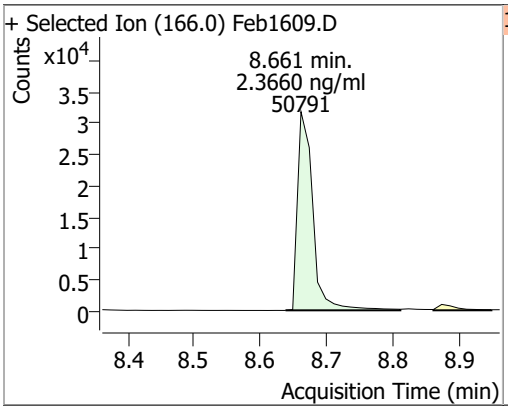
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	2.3936	8.04	0.00	43441	153.0	108.4	78.7	146.2
					152.0	51.1	36.5	67.8

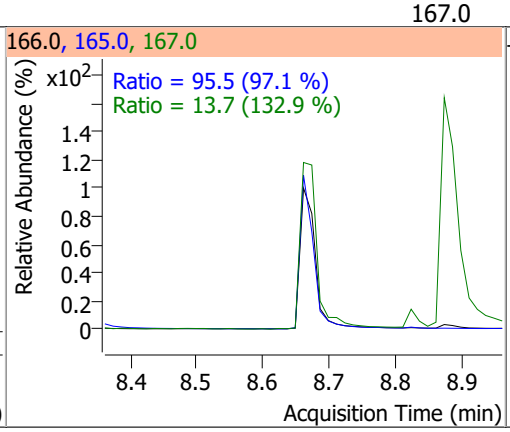


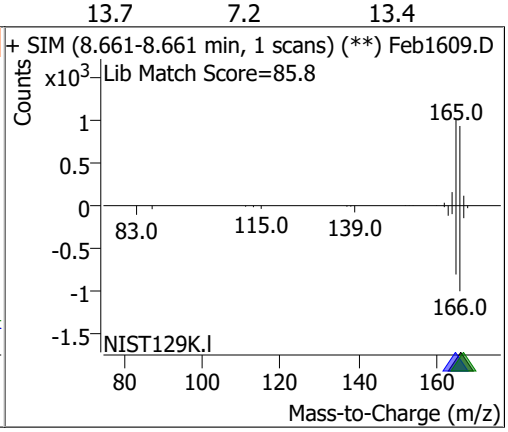




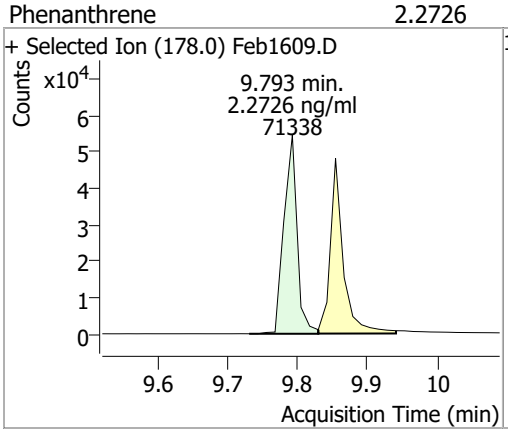
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	2.3660	8.66	0.00	50791	165.0	95.5	68.8	127.8
					167.0	13.7	7.2	13.4

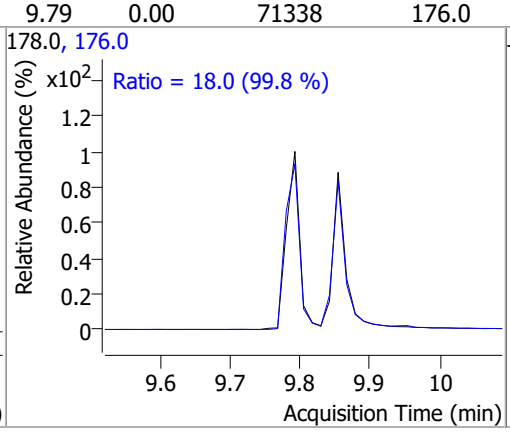


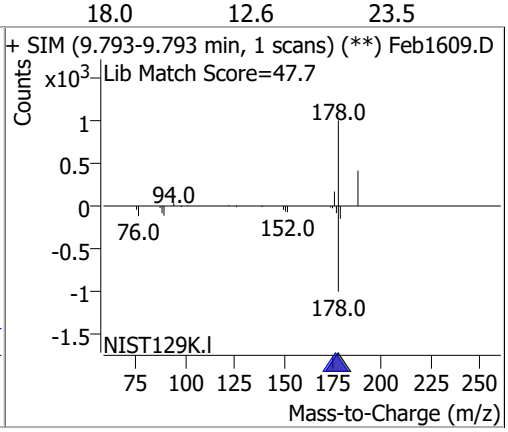




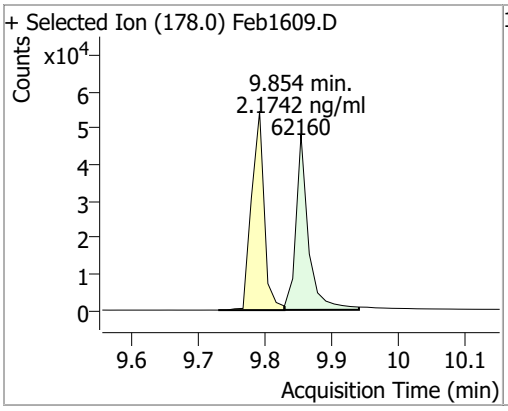
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	2.2726	9.79	0.00	71338	176.0	18.0	12.6	23.5

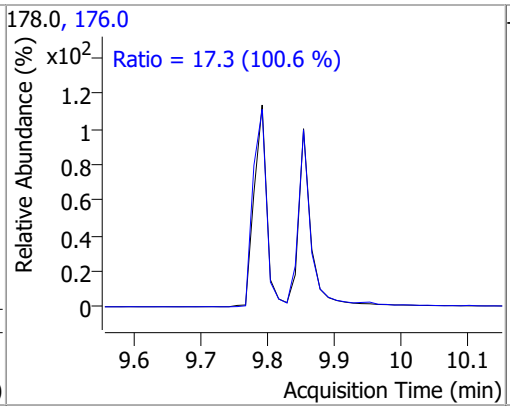


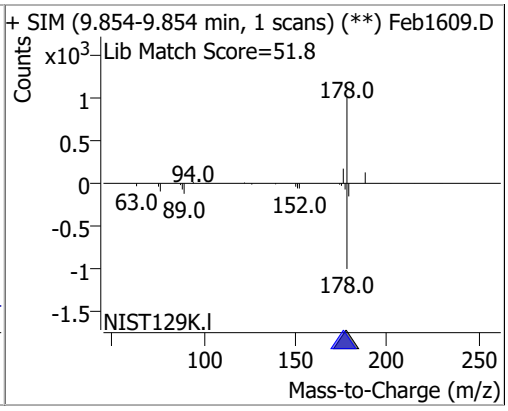




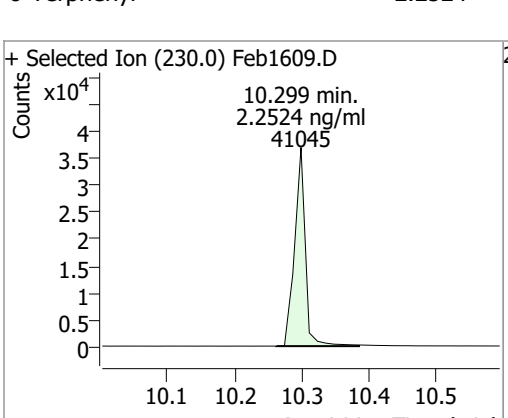
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	2.1742	9.85	0.00	62160	176.0	17.3	12.0	22.3

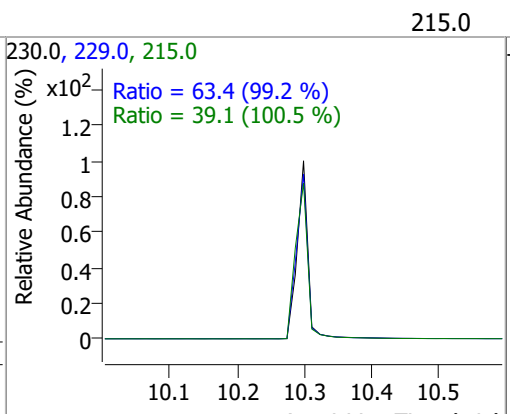


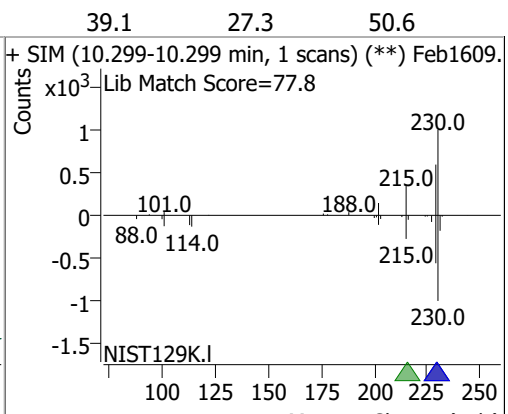




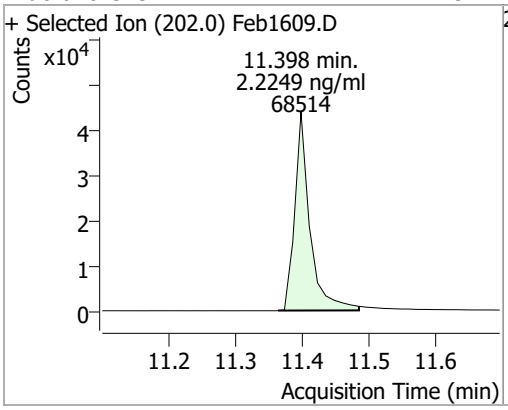
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	2.2524	10.30	0.00	41045	229.0	63.4	44.8	83.1
					215.0	39.1	27.3	50.6

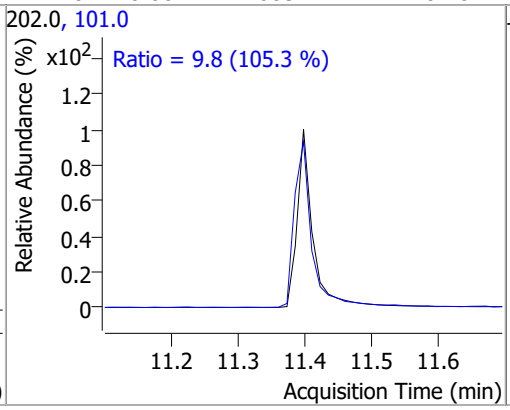


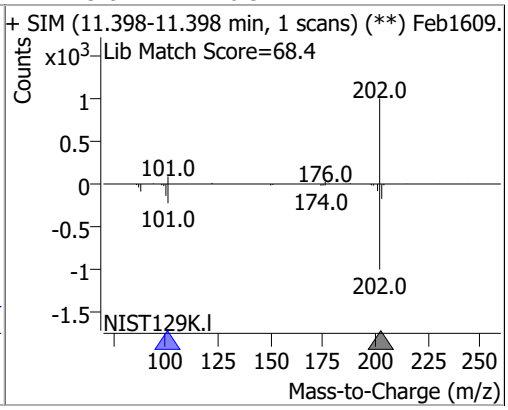




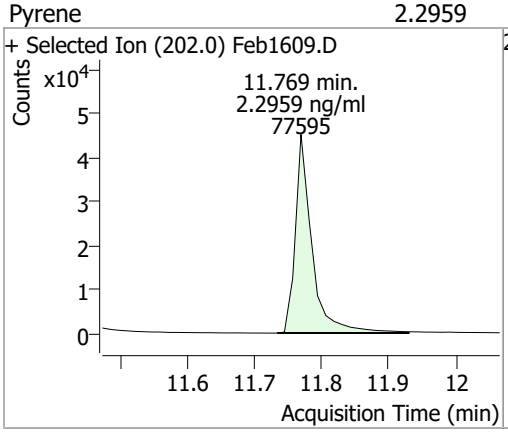
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	2.2249	11.40	0.00	68514	101.0	9.8	6.5	12.1

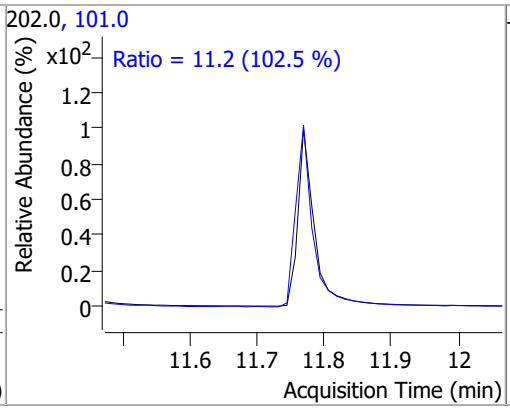


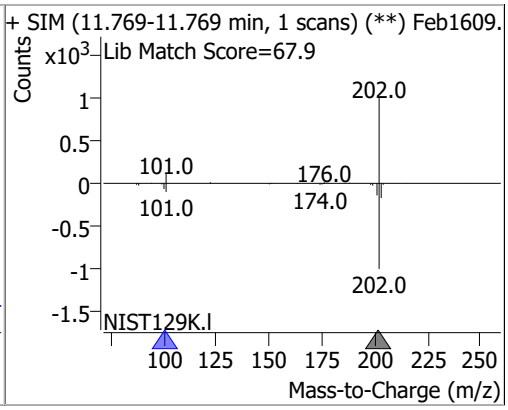




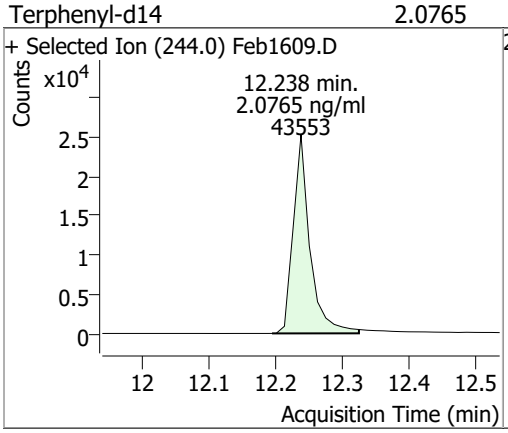
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	2.2959	11.77	0.00	77595	101.0	11.2	7.6	14.2

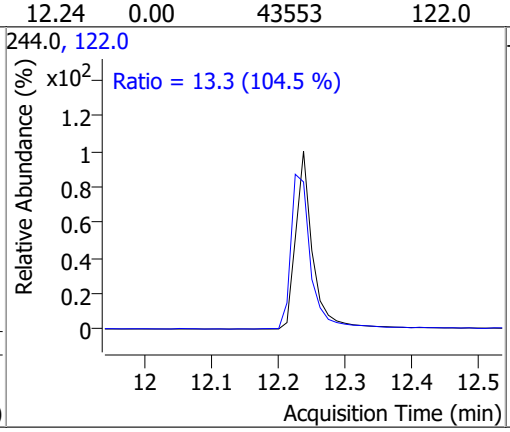


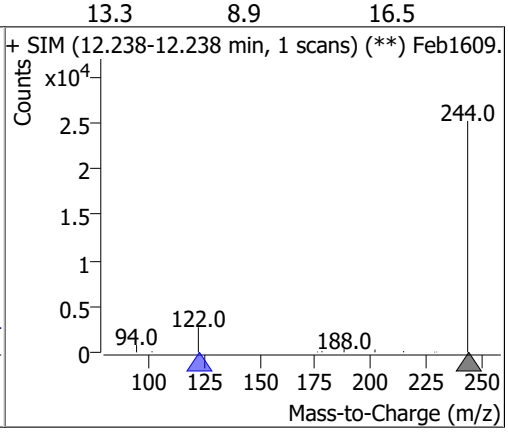




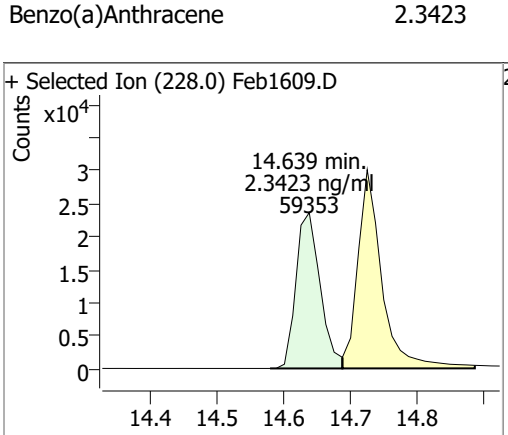
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	2.0765	12.24	0.00	43553	122.0	13.3	8.9	16.5

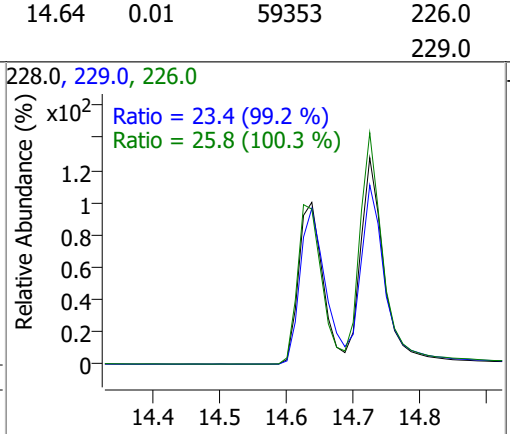


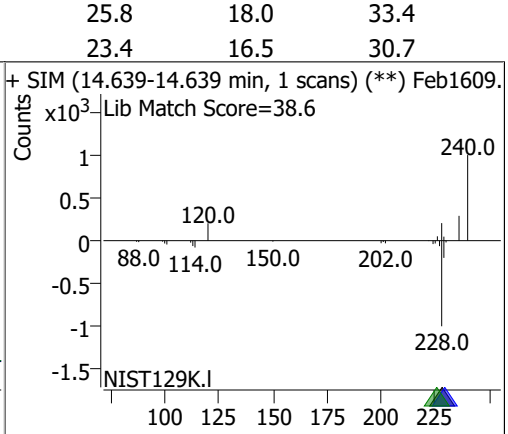




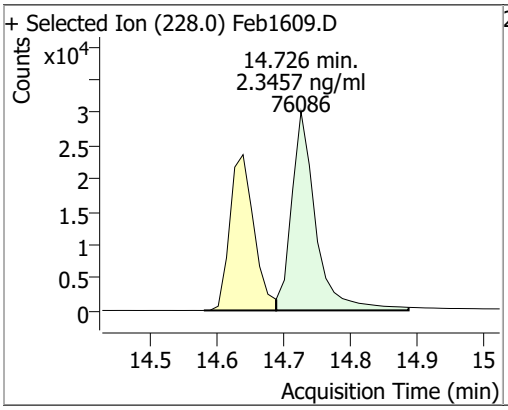
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	2.3423	14.64	0.01	59353	226.0	25.8	18.0	33.4
					229.0	23.4	16.5	30.7

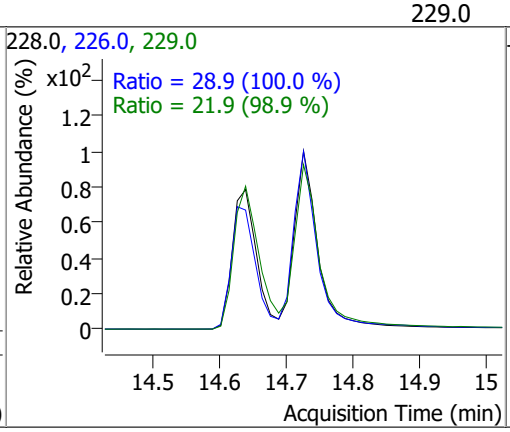


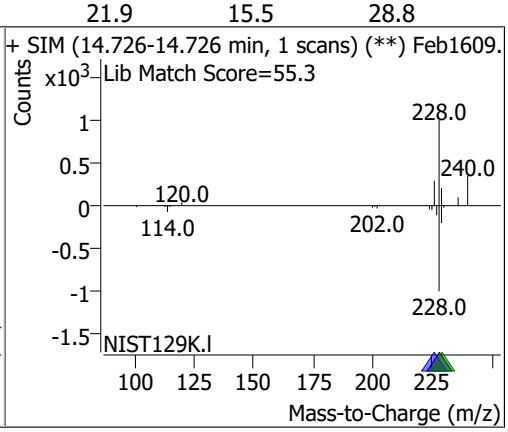




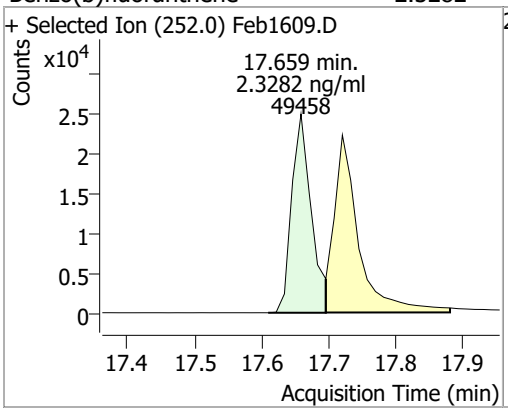
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	2.3457	14.73	0.00	76086	226.0	28.9	20.2	37.5
					229.0	21.9	15.5	28.8

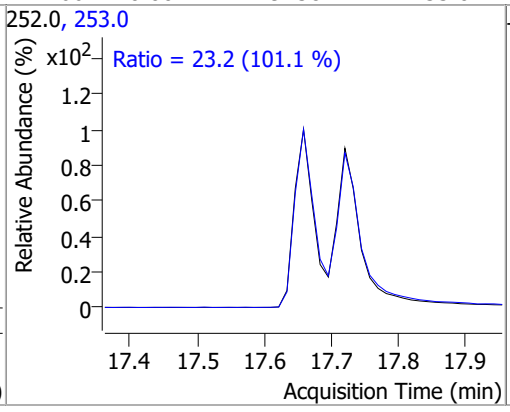


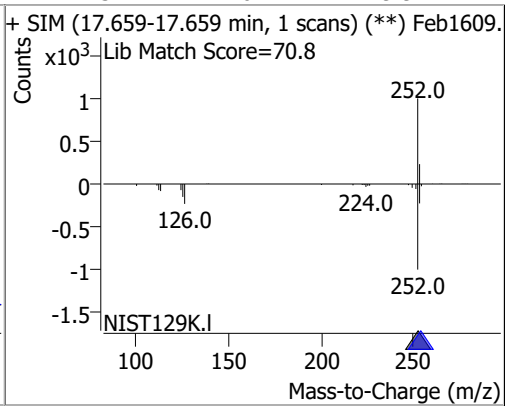




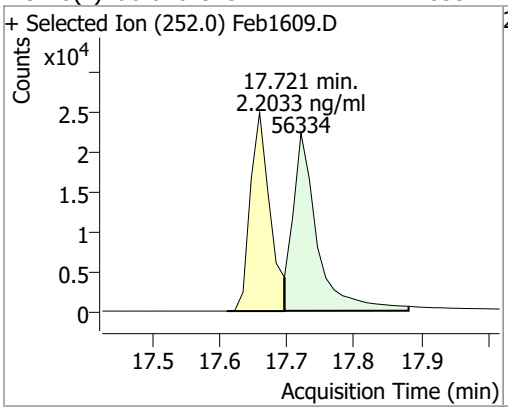
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	2.3282	17.66	0.00	49458	253.0	23.2	16.1	29.9

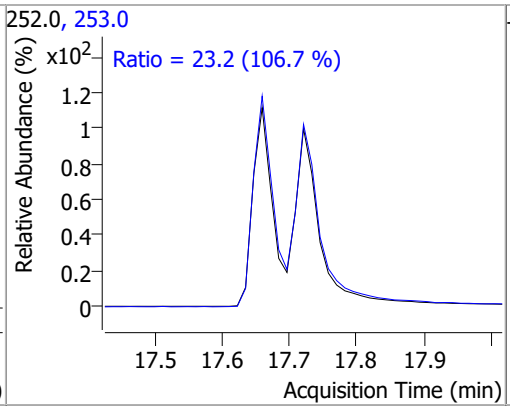


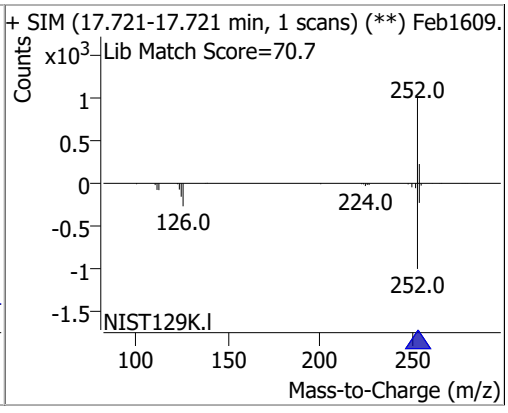




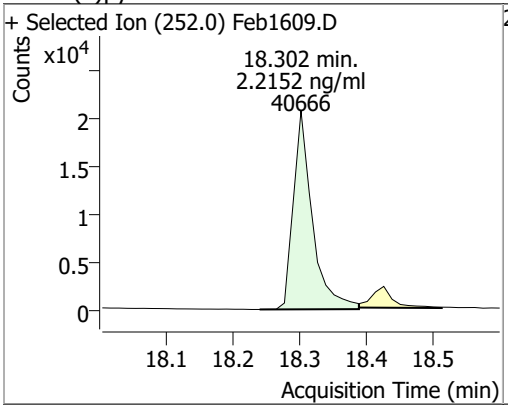
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	2.2033	17.72	0.00	56334	253.0	23.2	15.2	28.2

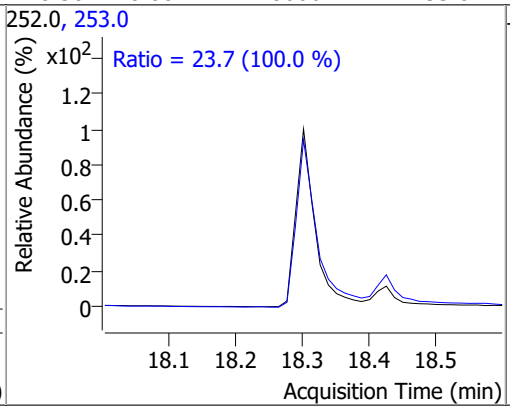


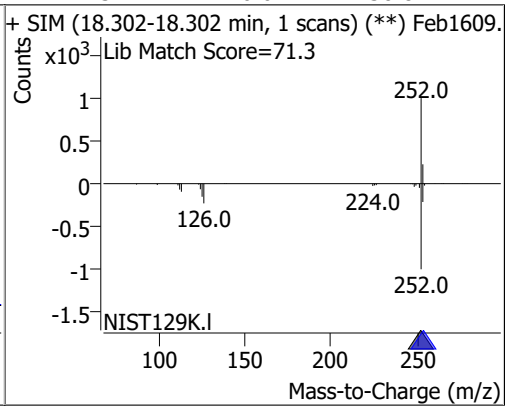




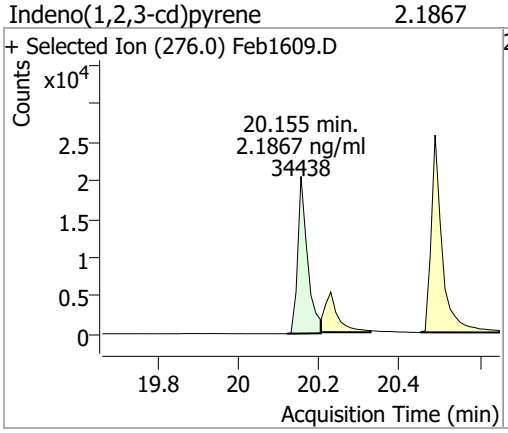
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	2.2152	18.30	0.00	40666	253.0	23.7	16.6	30.8

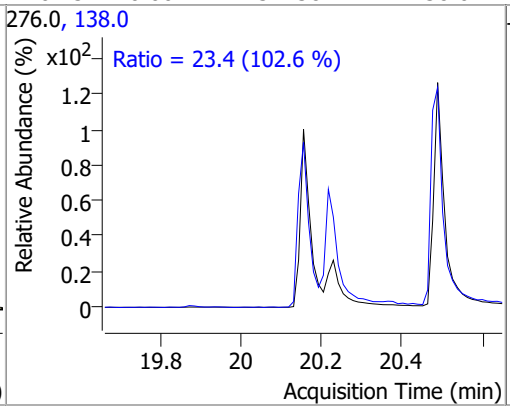


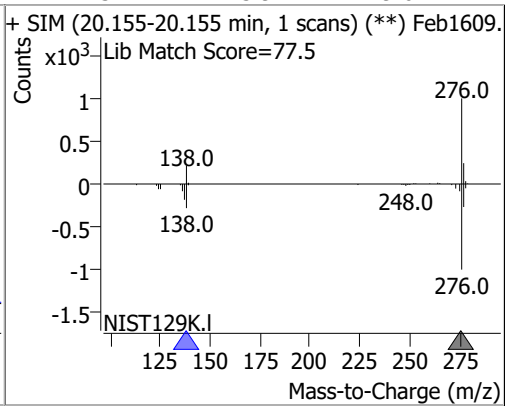




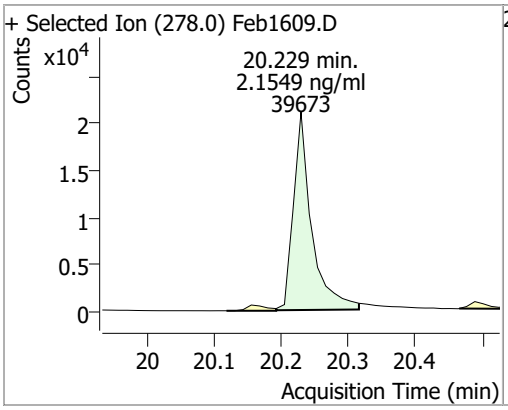
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	2.1867	20.15	0.00	34438	138.0	23.4	15.9	29.6

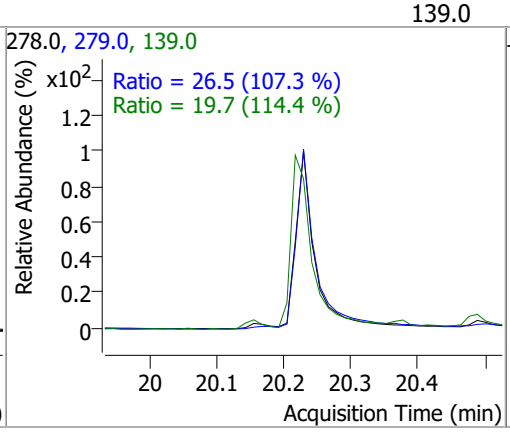


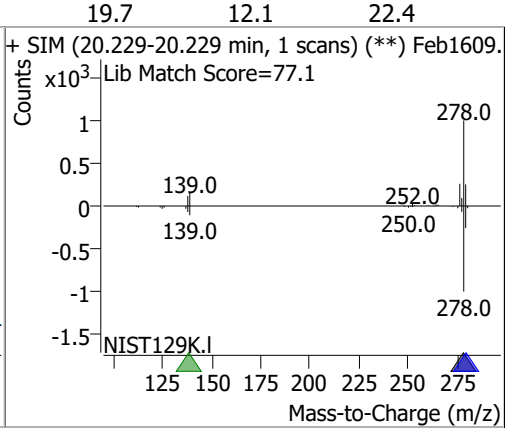




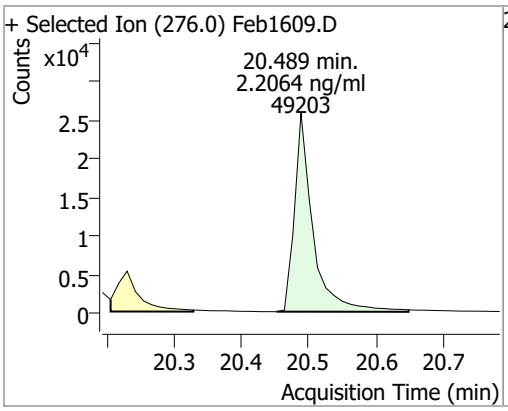
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	2.1549	20.23	0.00	39673	279.0	26.5	17.3	32.0
					139.0	19.7	12.1	22.4

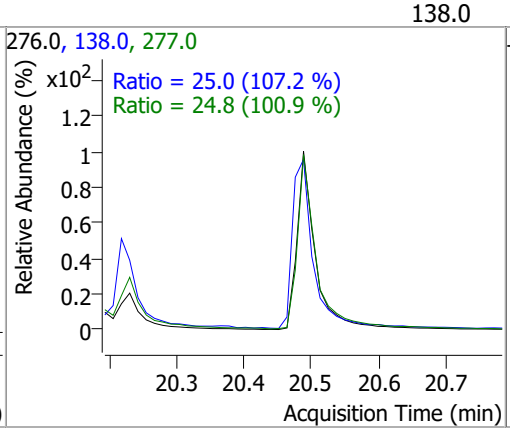


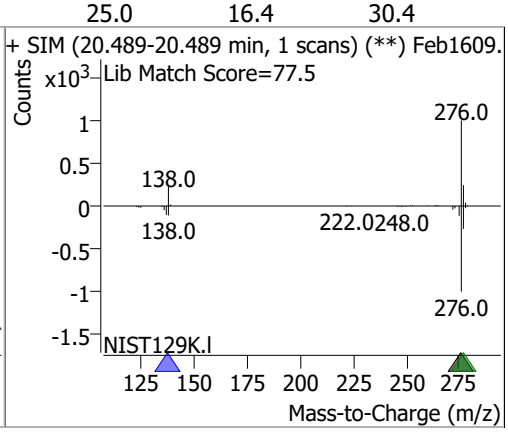




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	2.2064	20.49	0.00	49203	277.0	24.8	17.2	32.0
					138.0	25.0	16.4	30.4

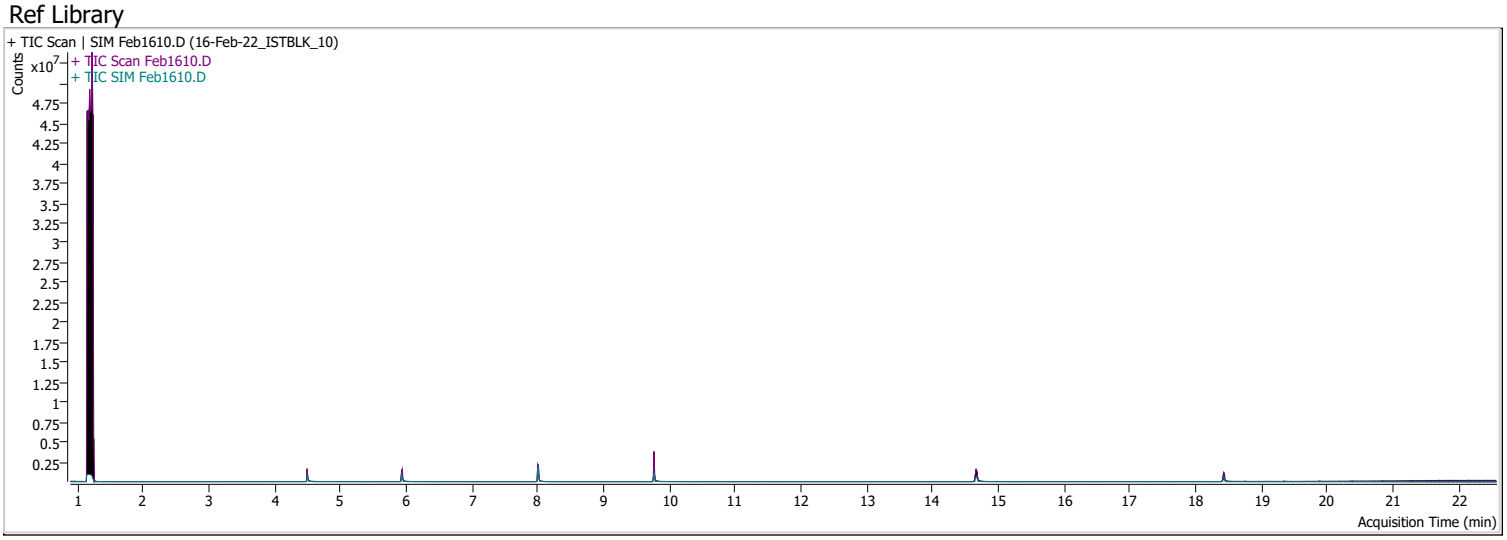






Quantitation Results Report (QT Reviewed)

Data File	Feb1610.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 5:23:53 PM
Sample Name	16-Feb-22_ISTBLK_10	Instrument	GCMS
Vial	10	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

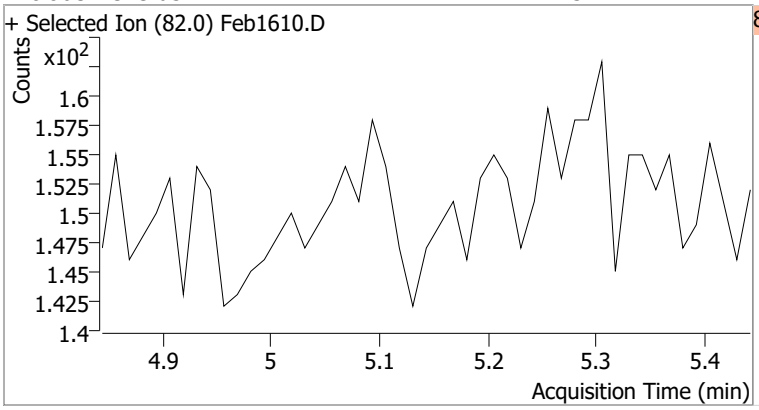


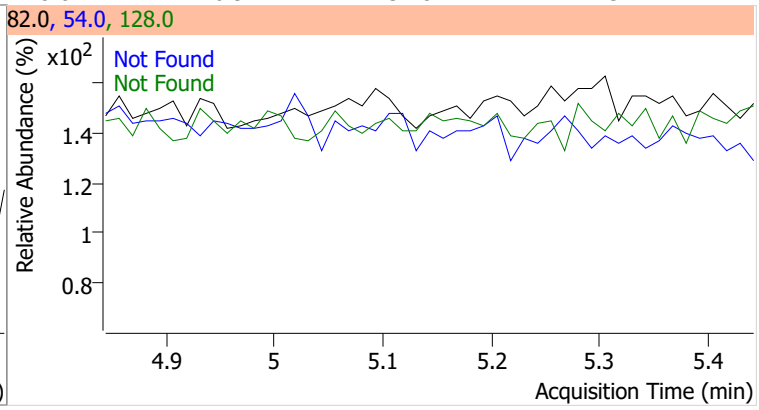
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	238984	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1059186	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.000	164.0	747980	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1346144	40.0000	ng/ml		0.000
M Chrysene-d12	14.664	240.0	1098616	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	682612	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = NA%			
S 2-Fluorobiphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = NA%			
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = NA%			
Target Compounds							QValue
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.038	154.0	0		ng/ml	md	1
T Fluorene	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.664	228.0	0		ng/ml	md	1
T Chrysene	14.664	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.425	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

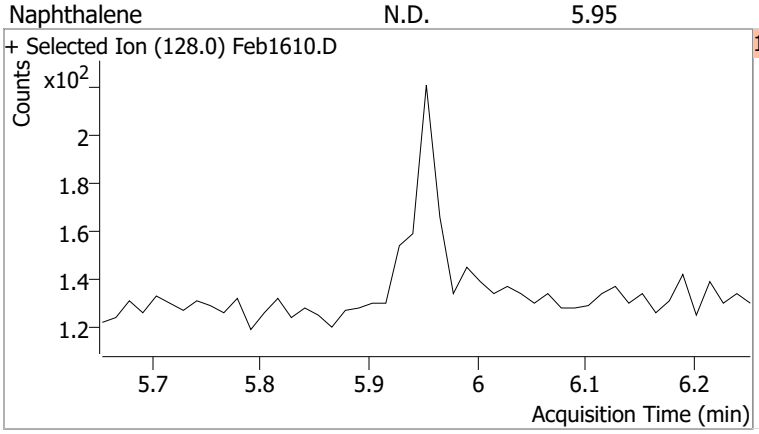
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

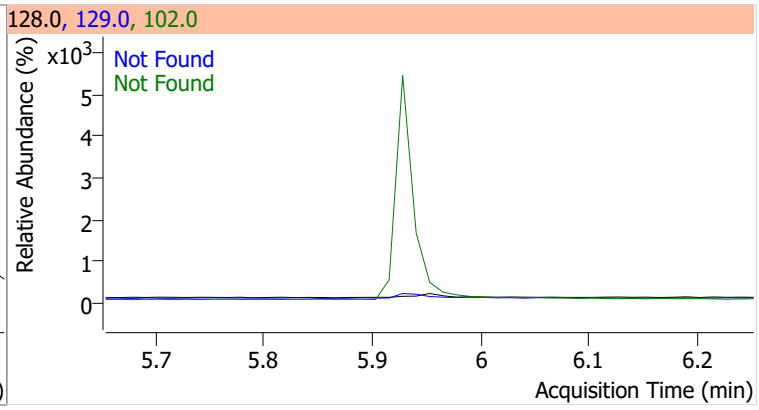
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene-d5	N.D.	5.14	128.0	46.9	54.0	42.3



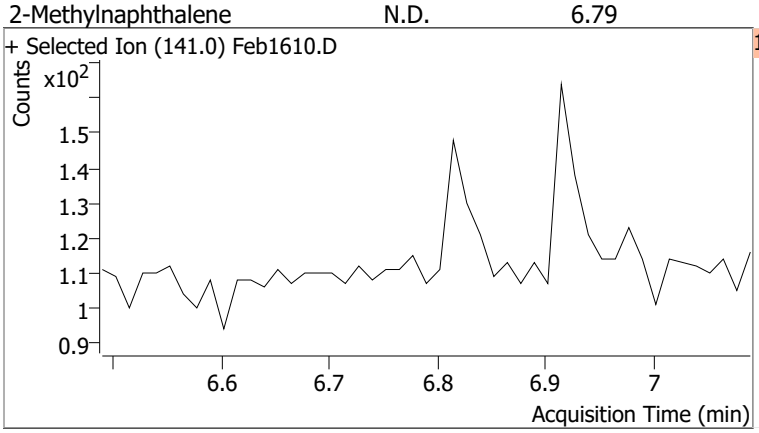


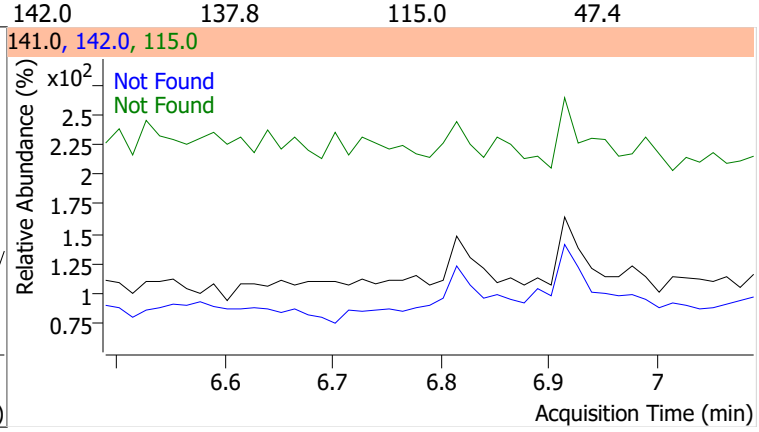
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.95	102.0	11.7	129.0	11.3



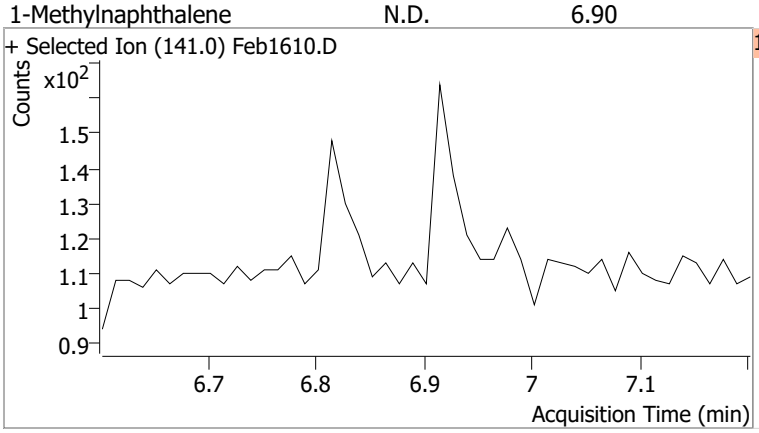


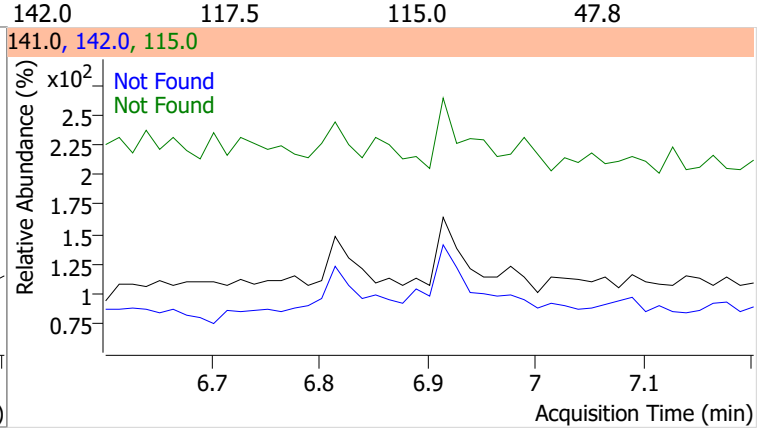
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.79	142.0	137.8	115.0	47.4



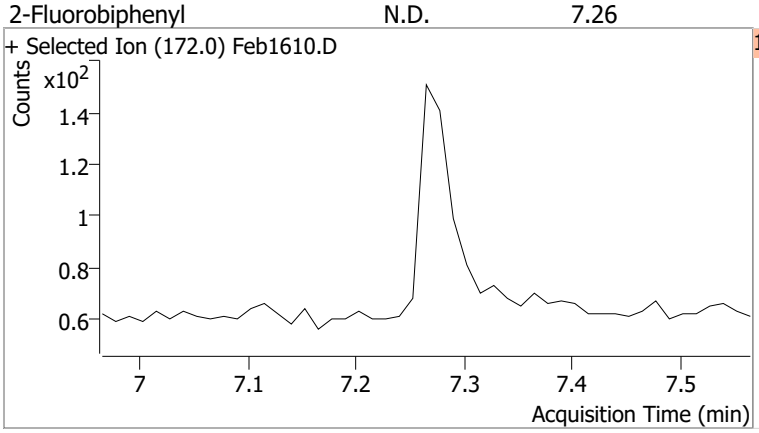


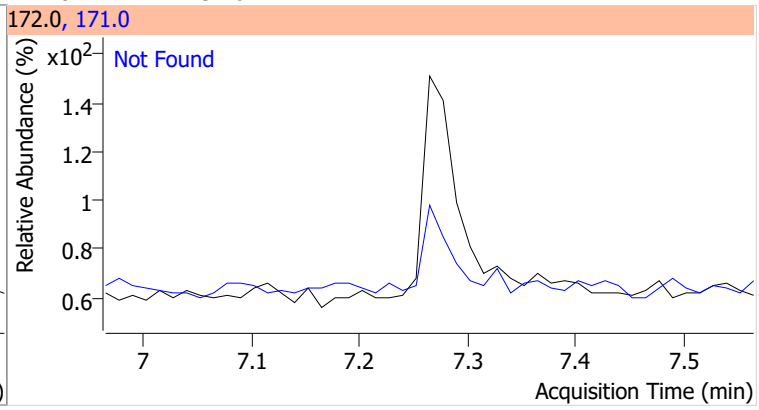
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.90	142.0	117.5	115.0	47.8



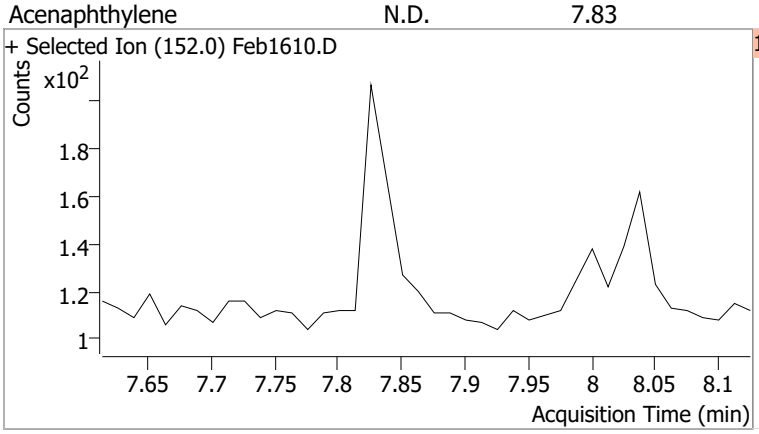


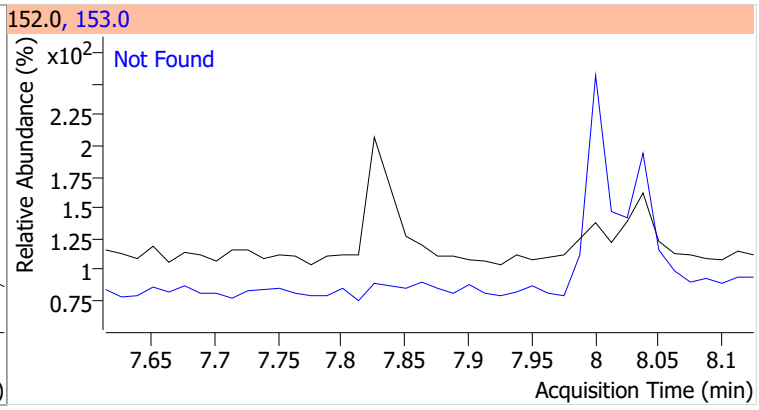
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Fluorobiphenyl	N.D.	7.26	171.0	37.6



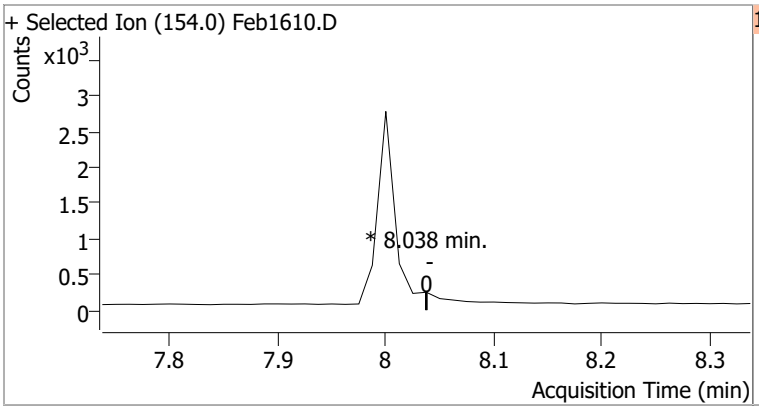


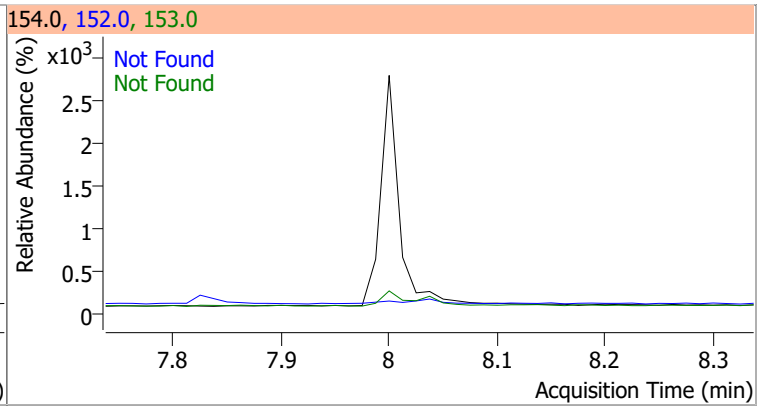
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	16.9



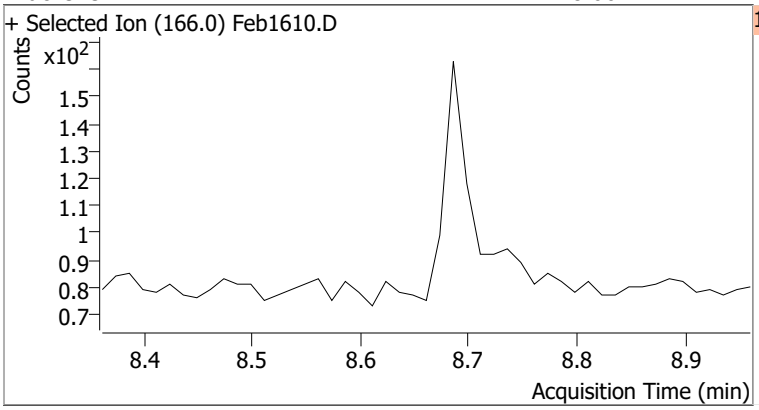


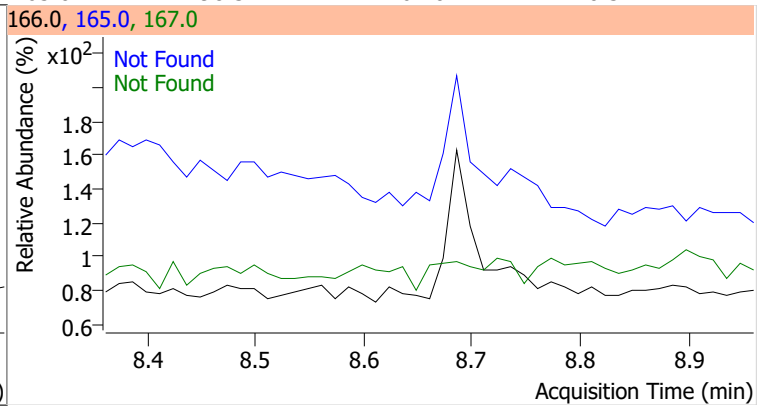
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		78.7	146.2
					152.0		36.5	67.8



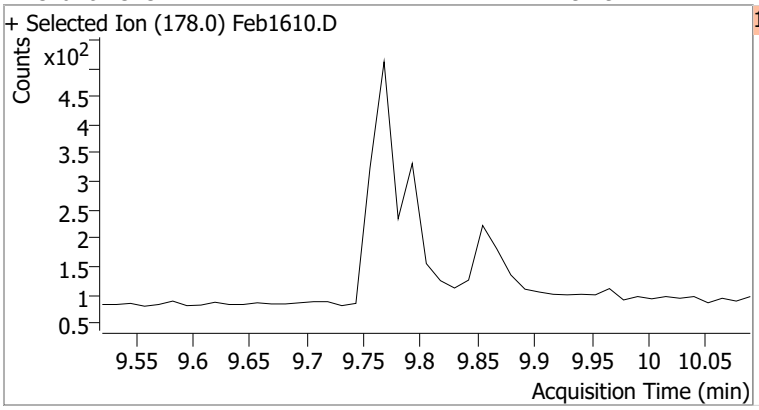


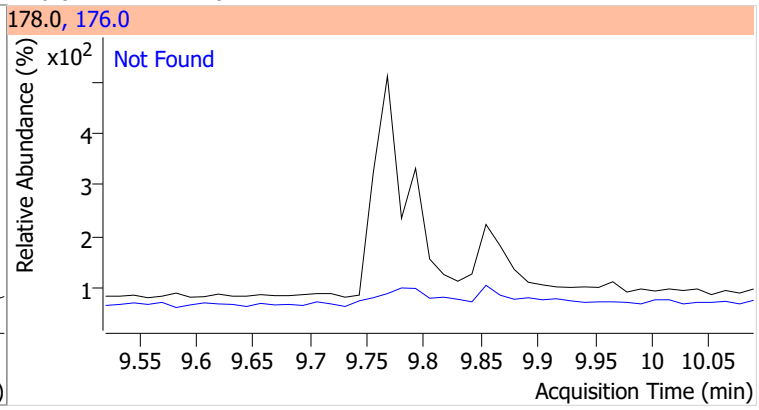
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	8.66	165.0	98.3	167.0	10.3



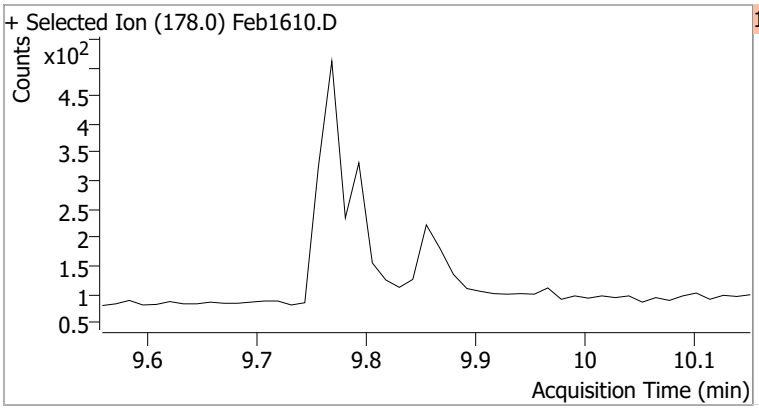


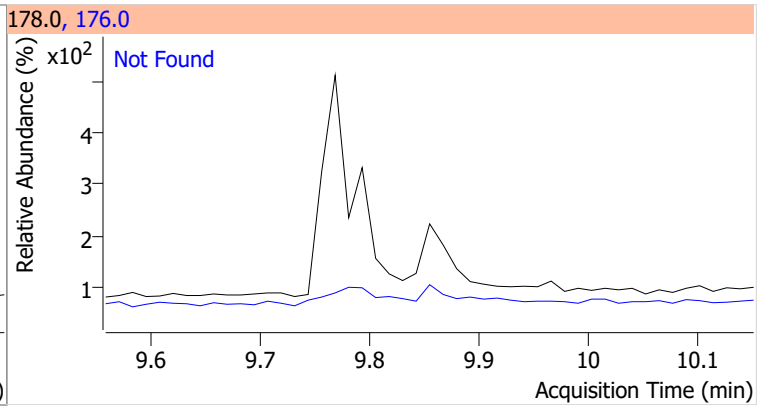
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.1



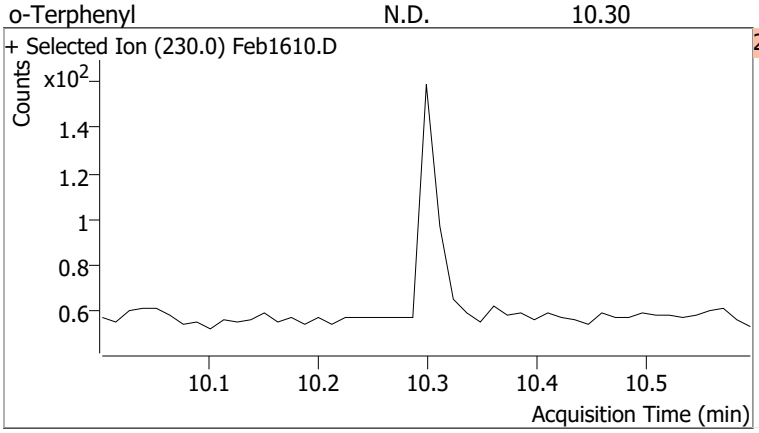


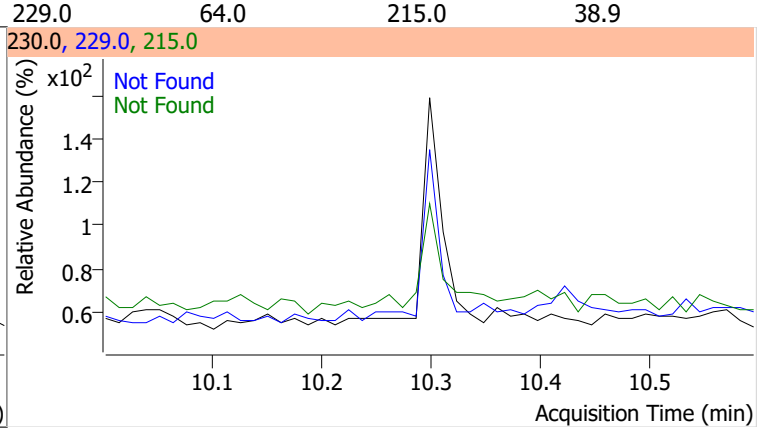
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.85	176.0	17.1



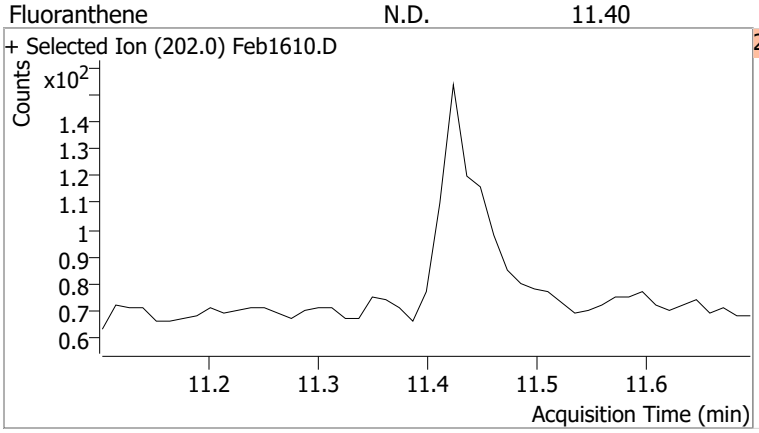


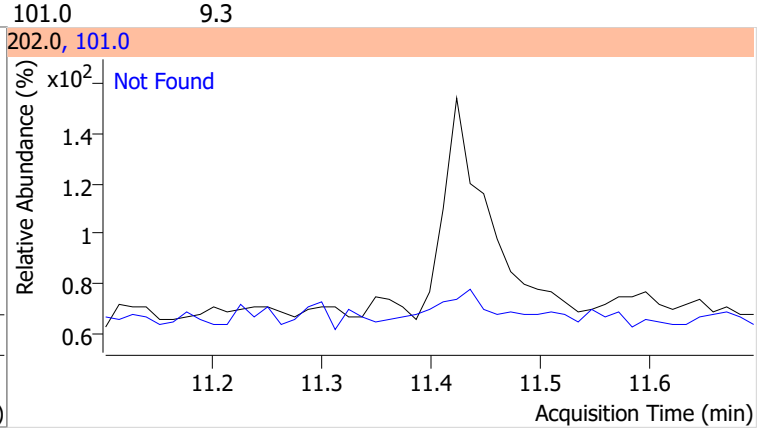
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.30	229.0	64.0	215.0	38.9



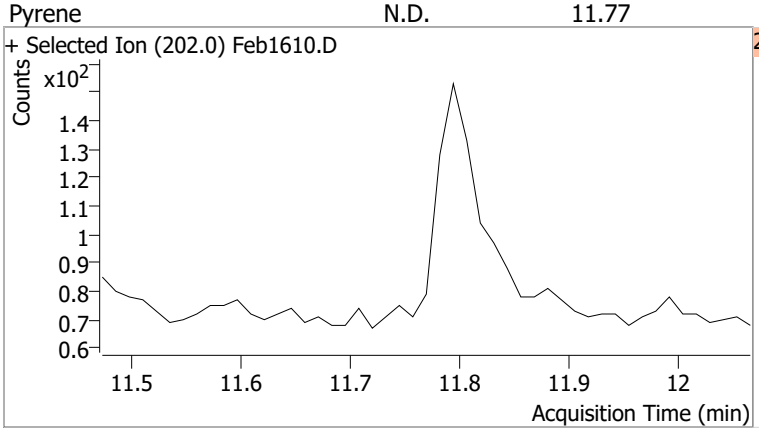


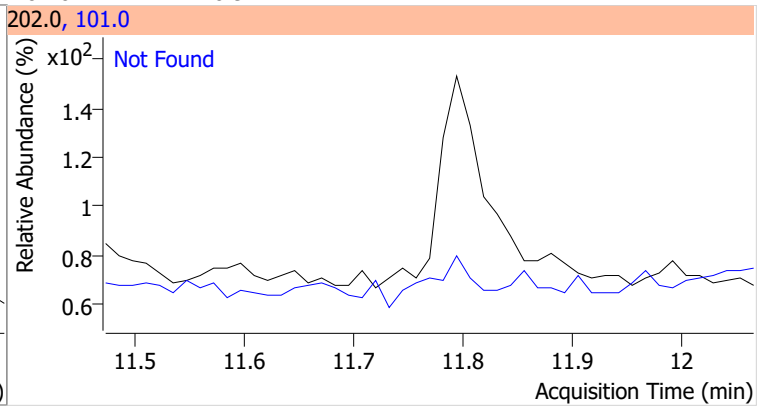
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.40	101.0	9.3



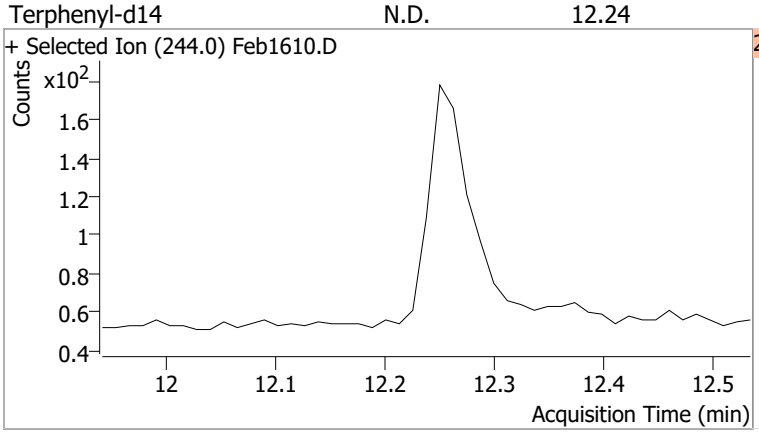


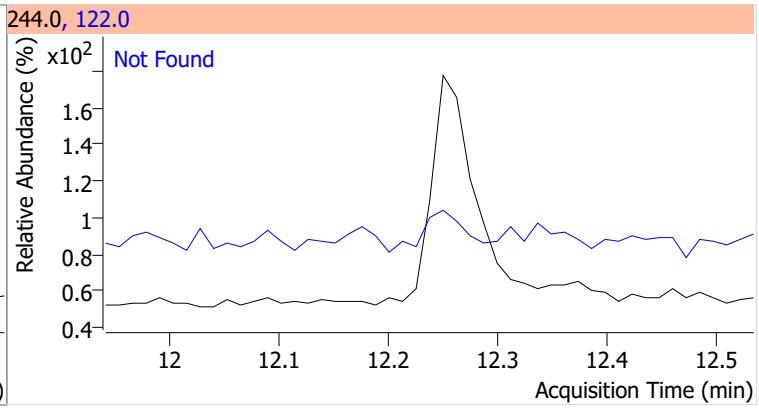
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.77	101.0	10.9



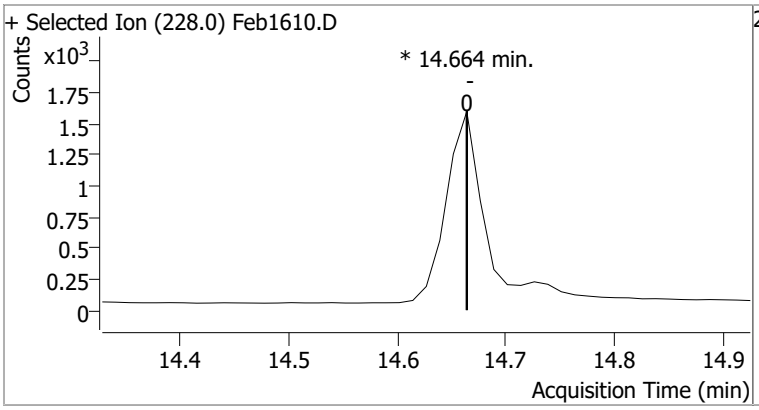


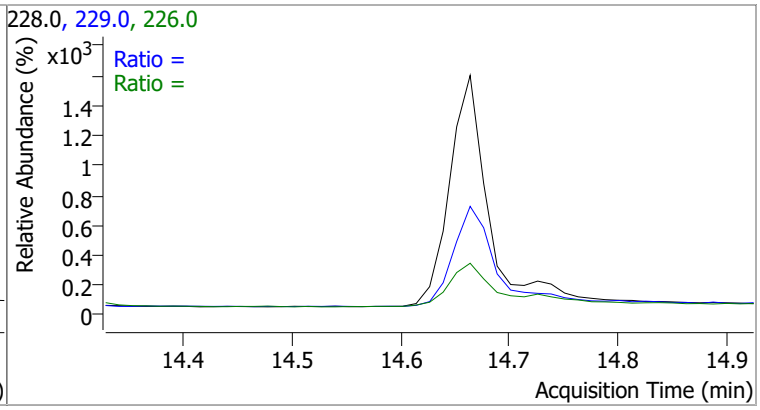
Compound	Conc.	Exp RT	QIon	Exp Ratio
Terphenyl-d14	N.D.	12.24	122.0	12.7



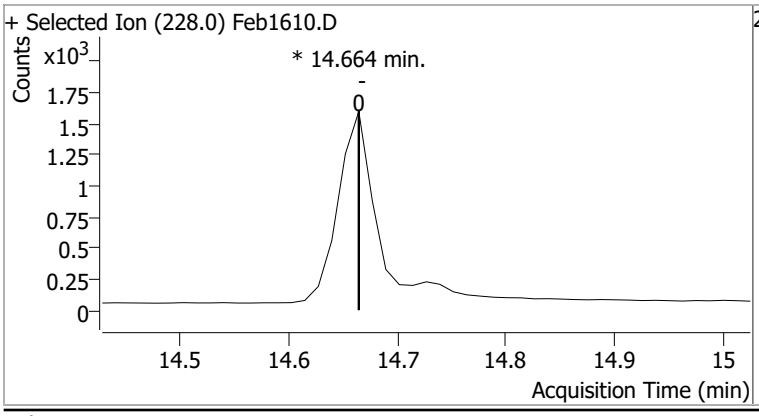


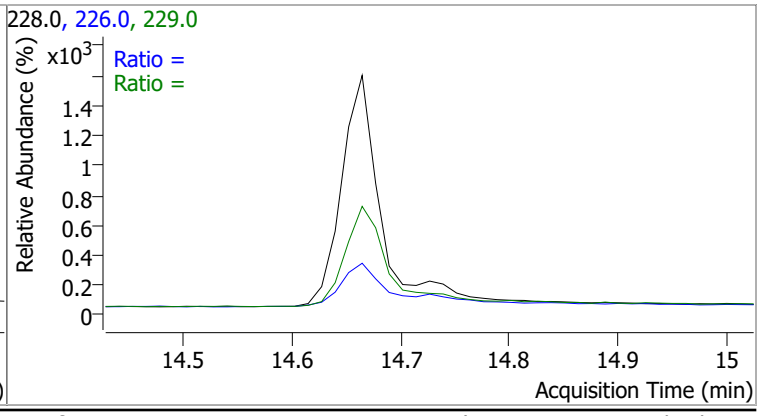
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.0	33.4
					229.0		16.5	30.7



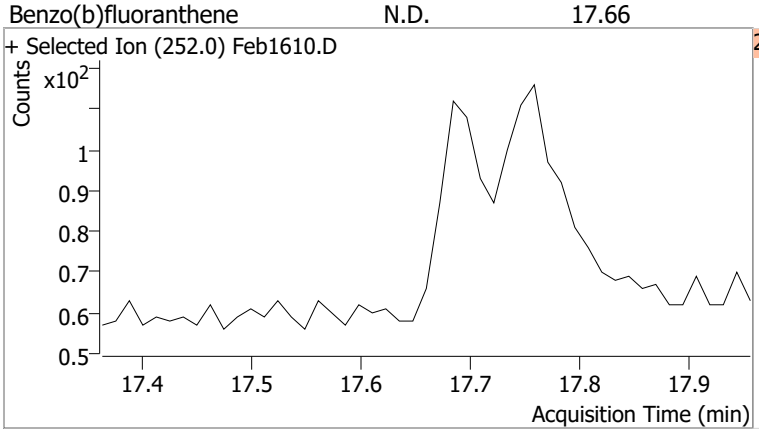


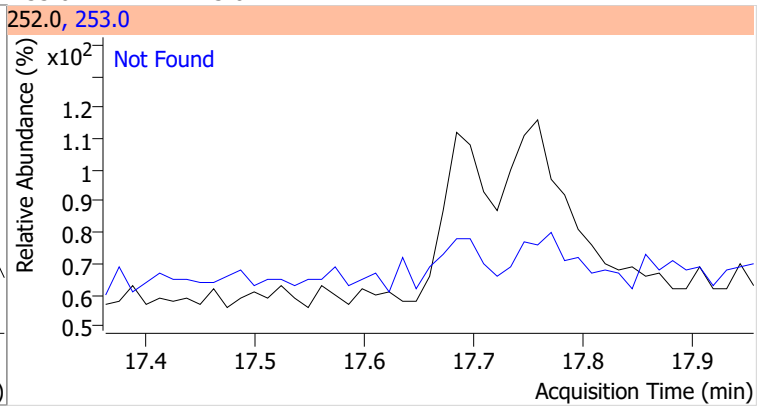
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		20.2	37.5
					229.0		15.5	28.8



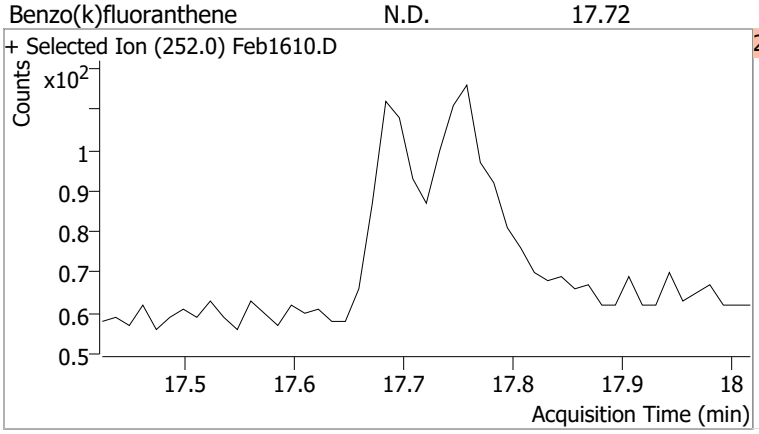


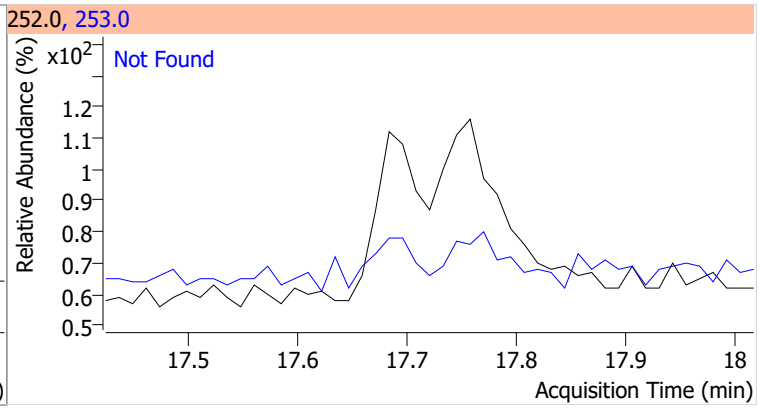
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.66	253.0	23.0



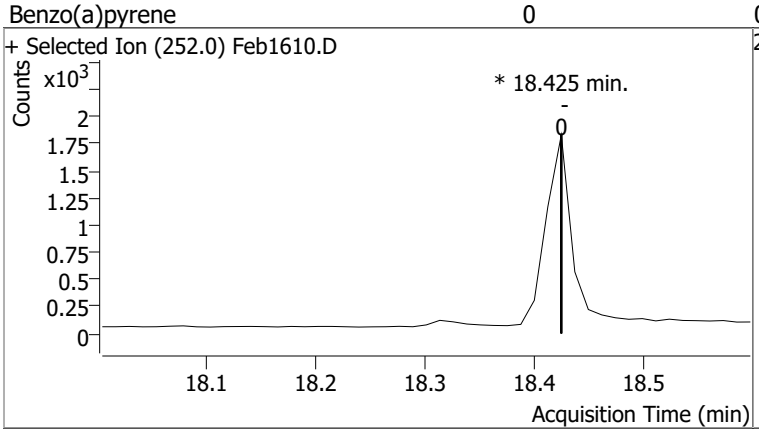


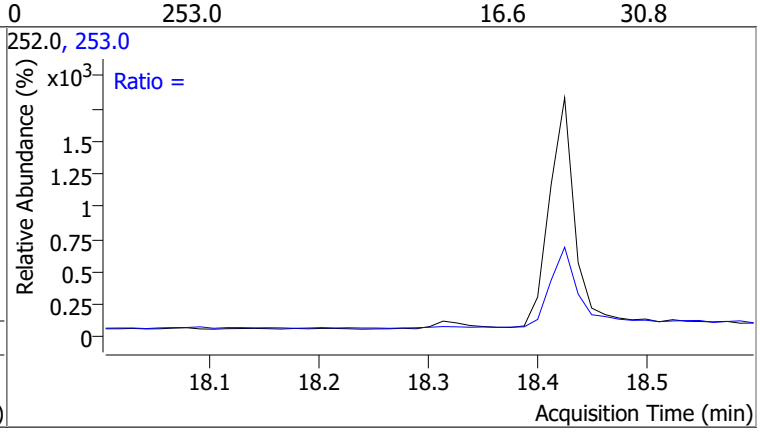
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.72	253.0	21.7



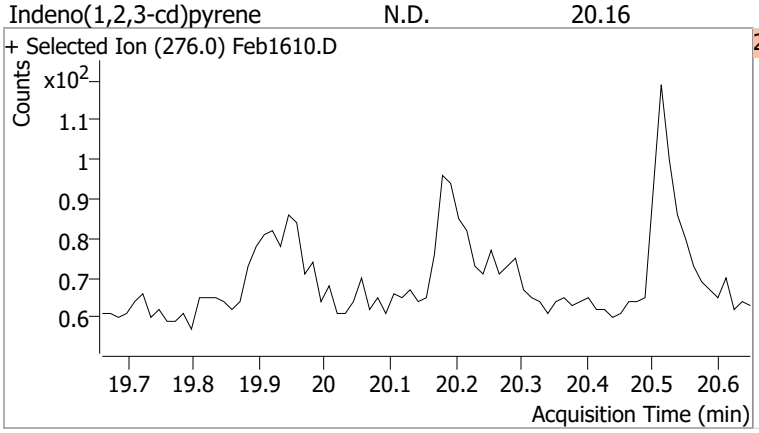


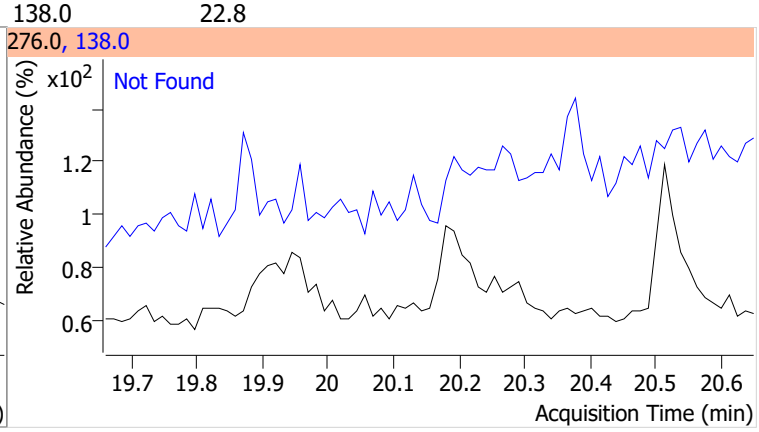
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.6	30.8



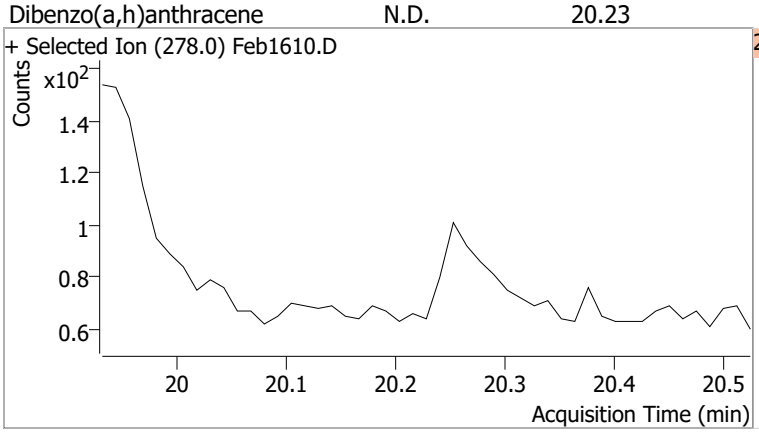


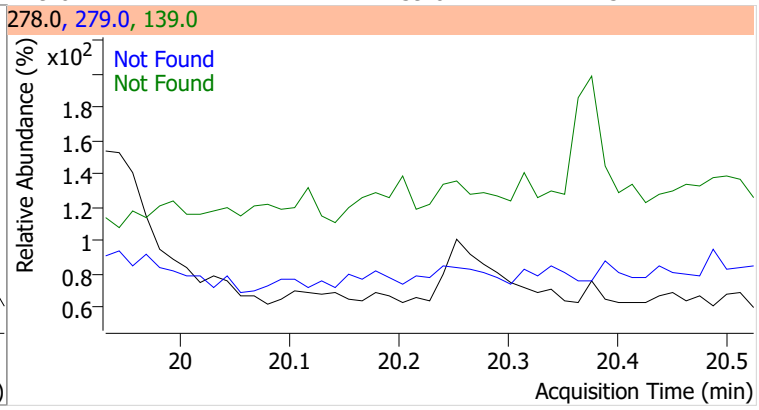
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.16	138.0	22.8



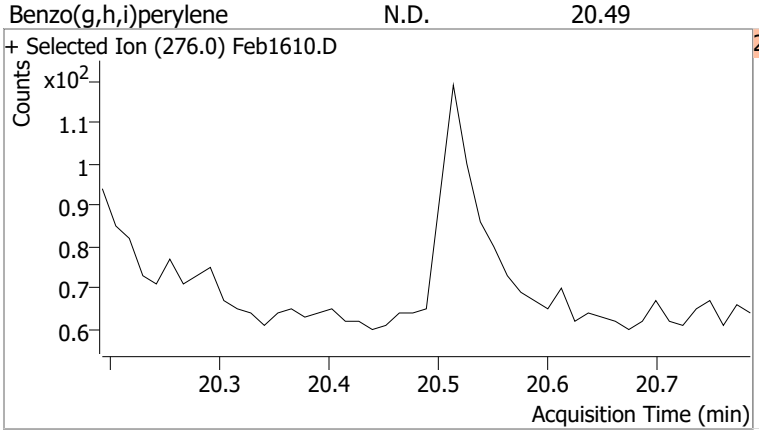


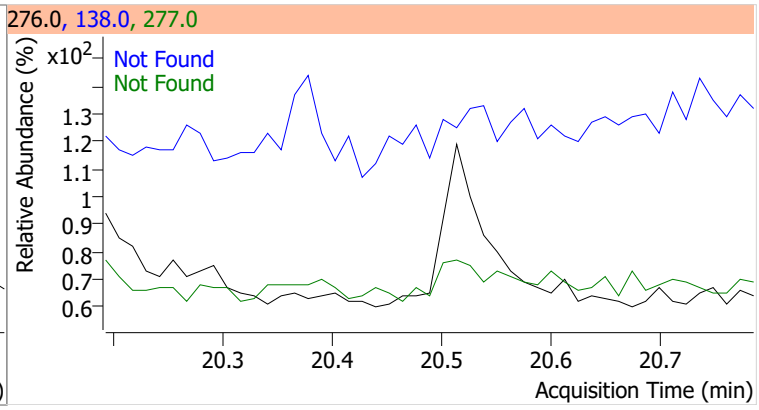
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.7	139.0	17.3





Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.6	138.0	23.4

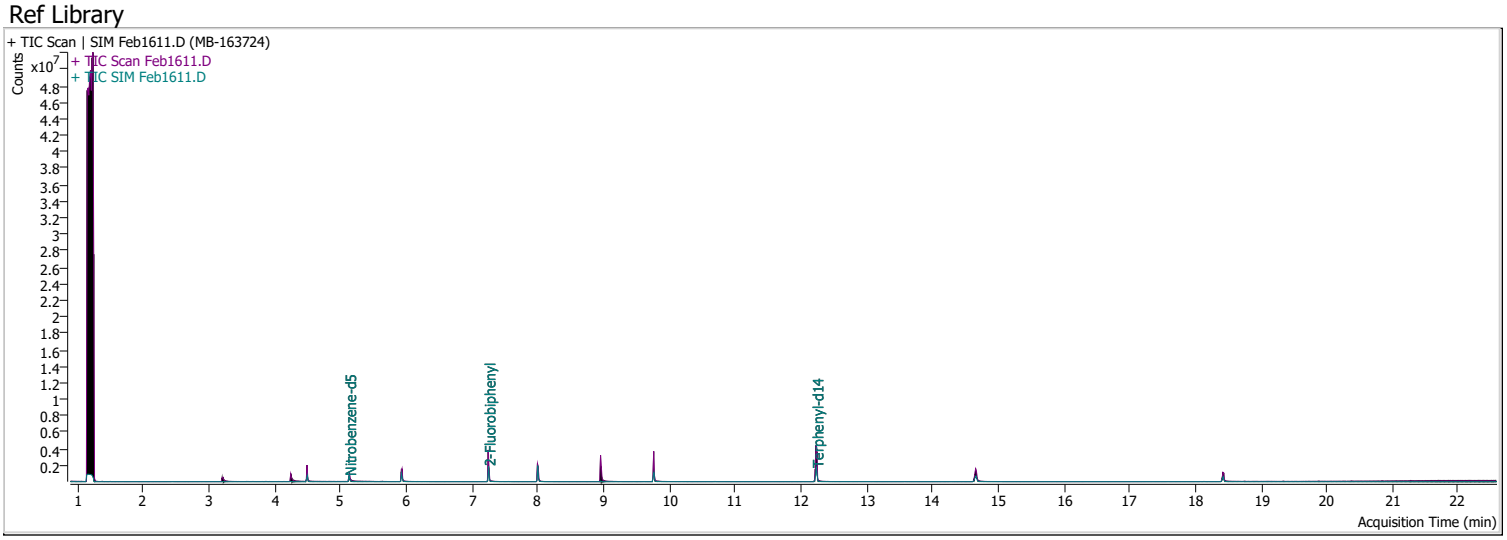




Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

Data File	Feb1611.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 5:56:14 PM
Sample Name	MB-163724	Instrument	GCMS
Vial	11	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

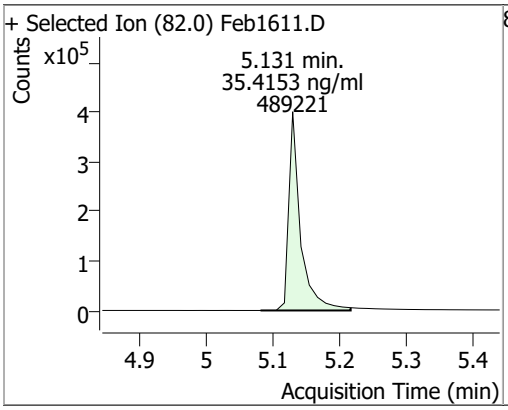


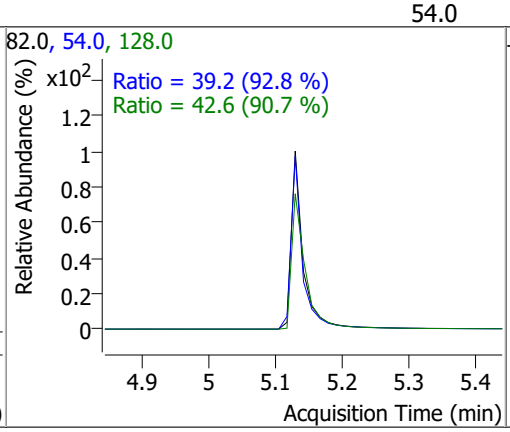
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	272346	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1079245	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.000	164.0	746979	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1337335	40.0000	ng/ml		0.000
M Chrysene-d12	14.664	240.0	1097892	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	665117	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.131	82.0	489221	35.4153	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 708.31%		*	
S 2-Fluorobiphenyl	7.252	172.0	1341992	32.9642	ng/ml		-0.013
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 659.28%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.238	244.0	2220171	52.3254	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1046.51%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.038	154.0	0		ng/ml	md	1
T Fluorene	8.960	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.664	228.0	0		ng/ml	md	1
T Chrysene	14.739	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

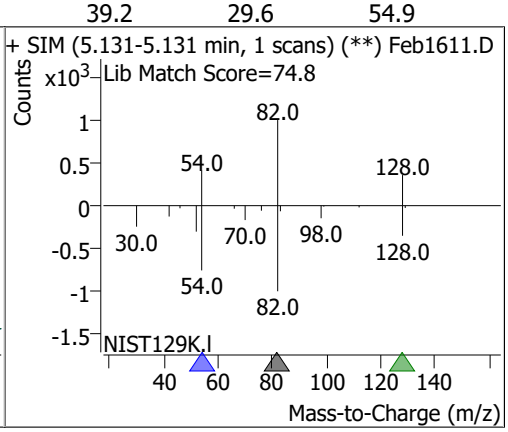
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.425	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

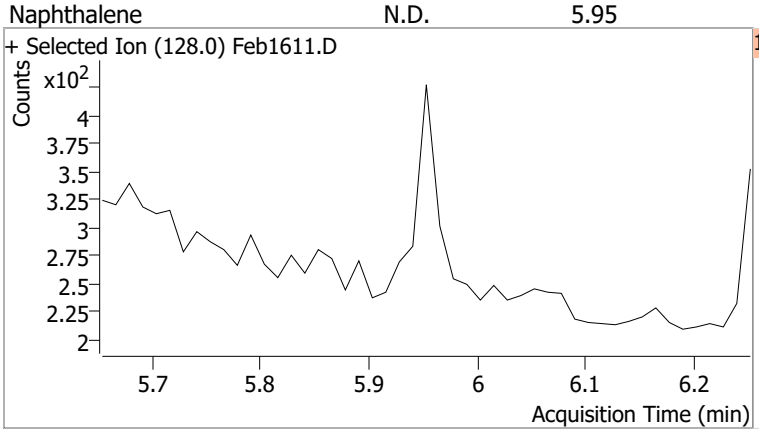
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	35.4153	5.13	-0.01	489221	128.0	42.6	32.9	61.0
					54.0	39.2	29.6	54.9

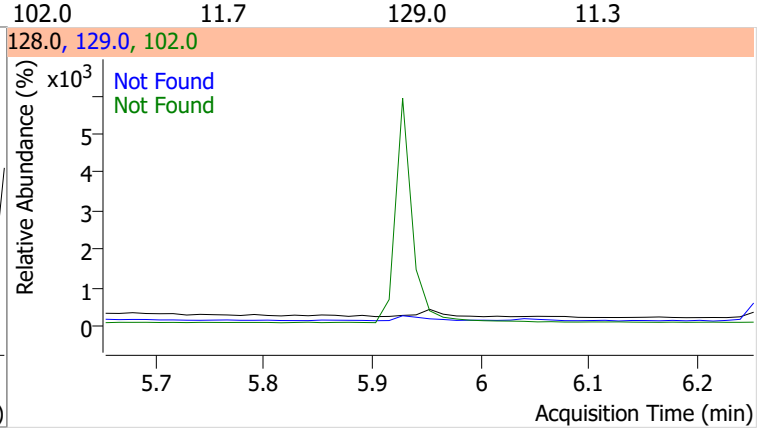




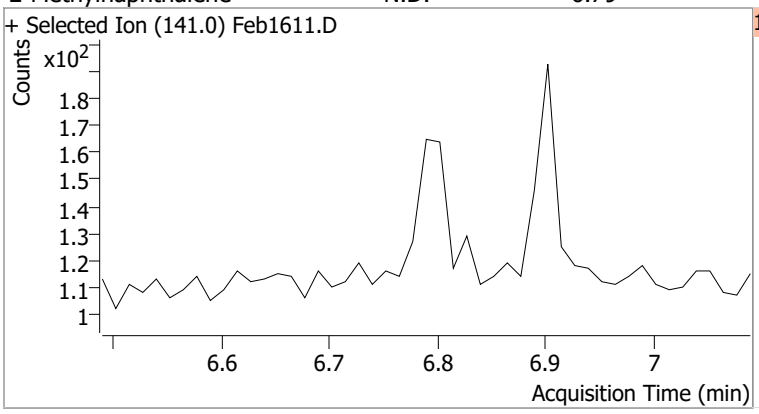


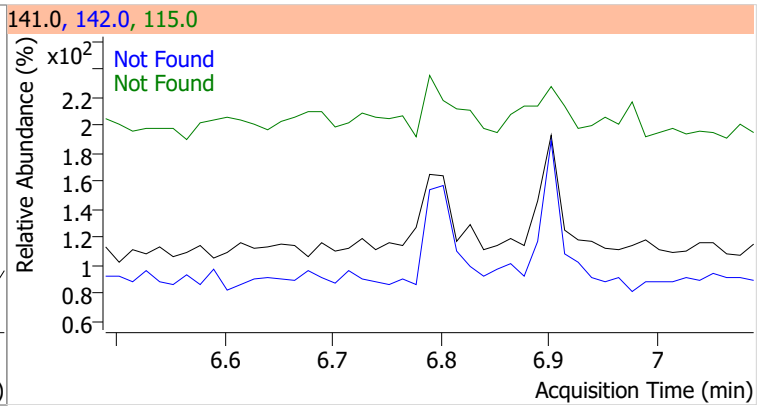
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.95	102.0	11.7	129.0	11.3



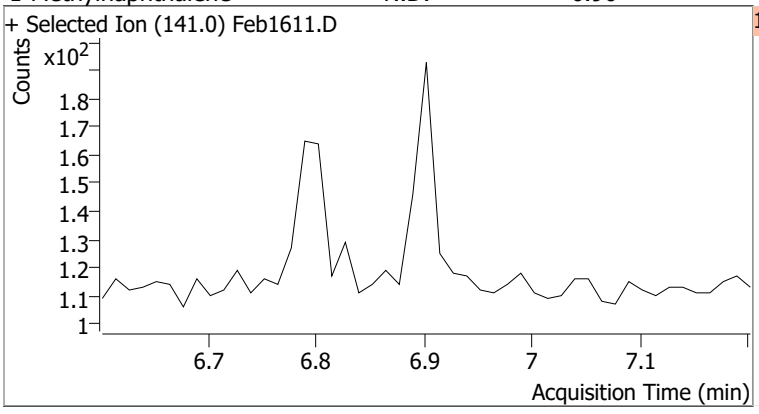


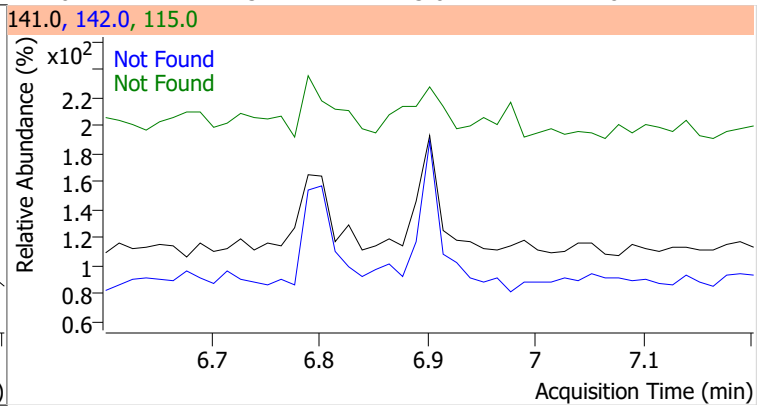
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.79	142.0	137.8	115.0	47.4



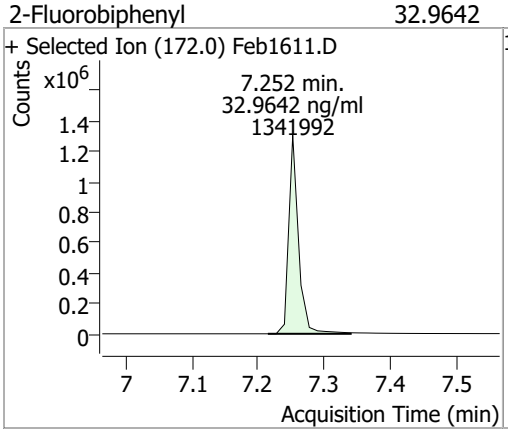


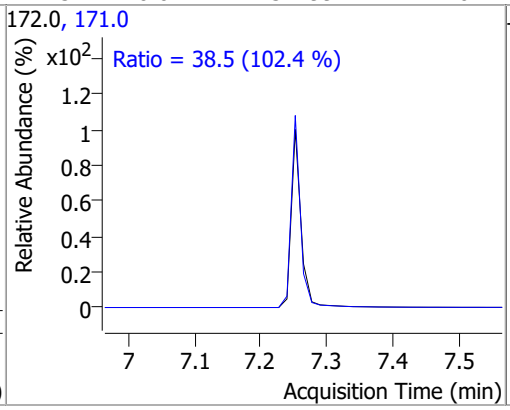
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.90	142.0	117.5	115.0	47.8

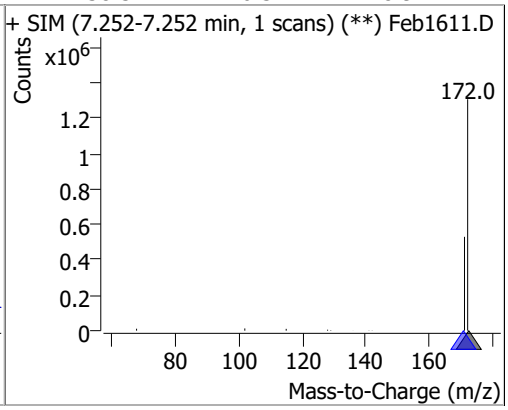




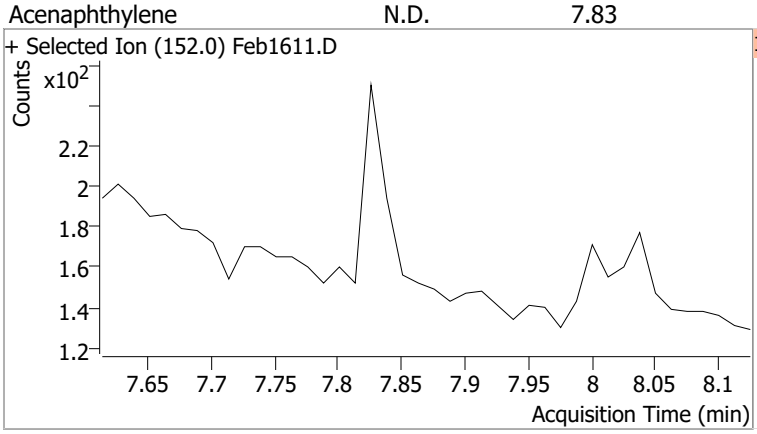
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	32.9642	7.25	-0.01	1341992	171.0	38.5	26.3	48.9

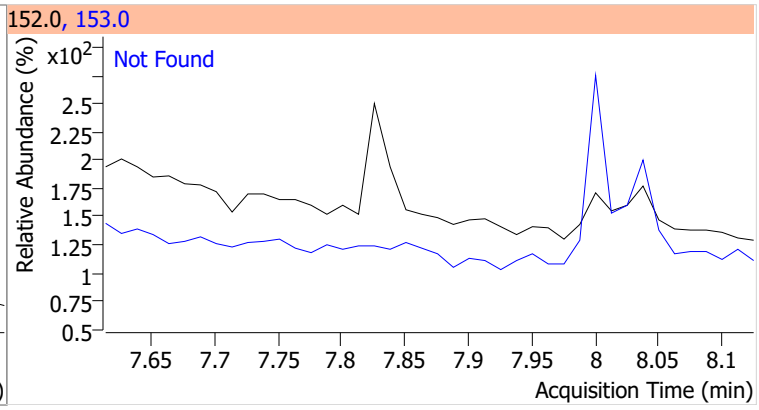




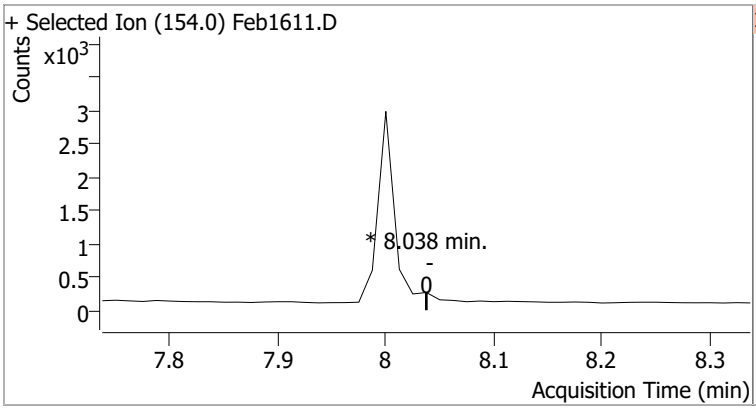


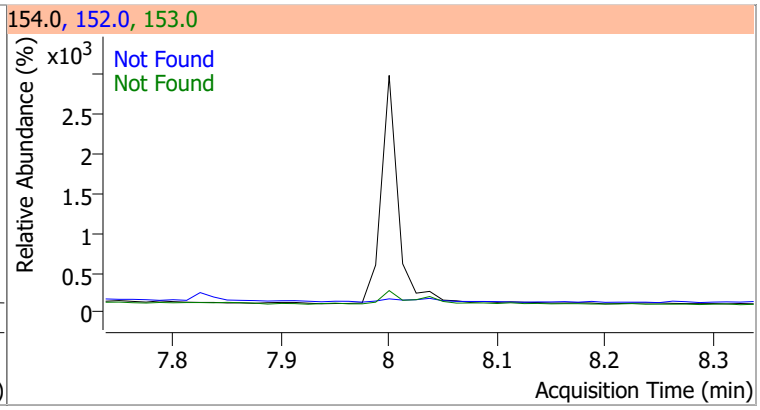
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	16.9



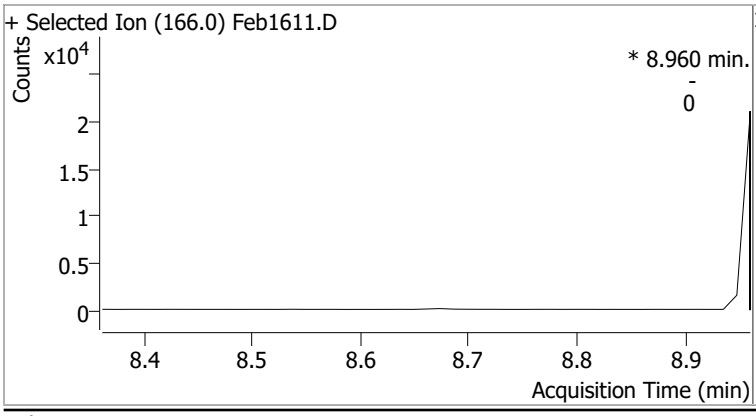


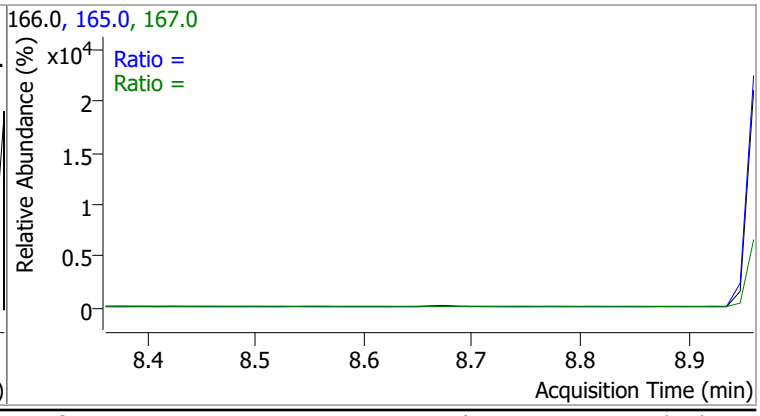
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		78.7	146.2
					152.0		36.5	67.8



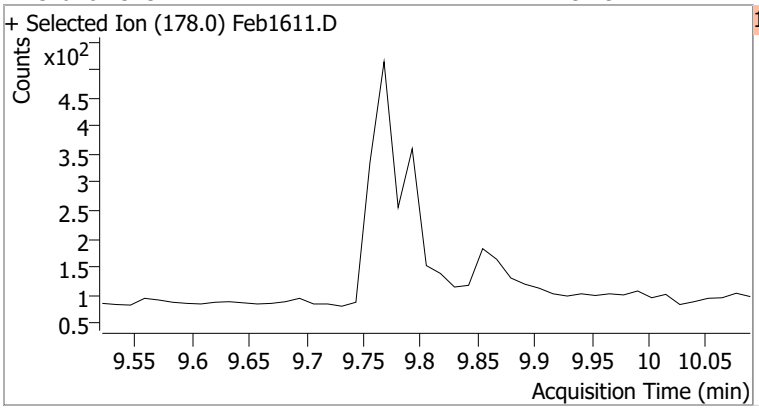


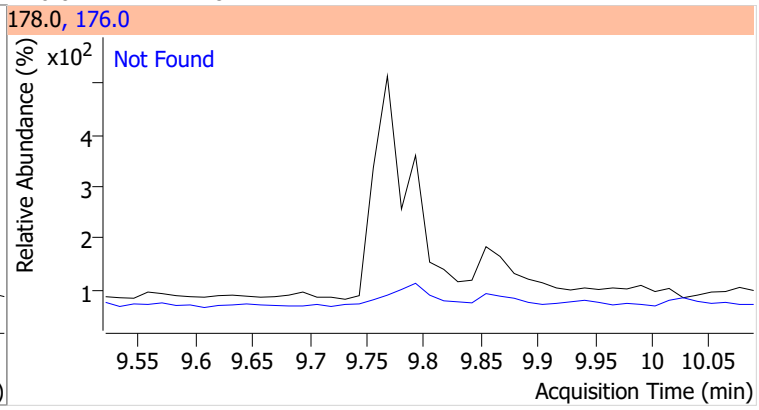
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		68.8	127.8
					167.0		7.2	13.4



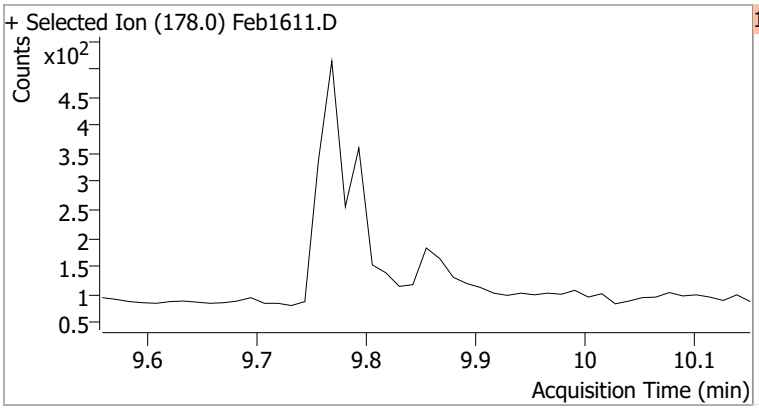


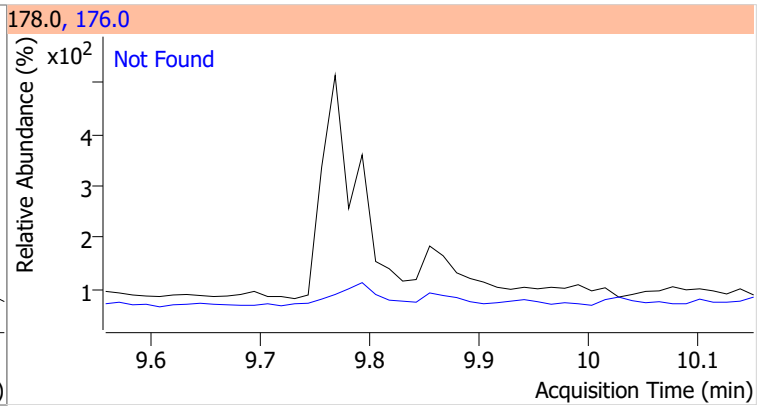
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.1



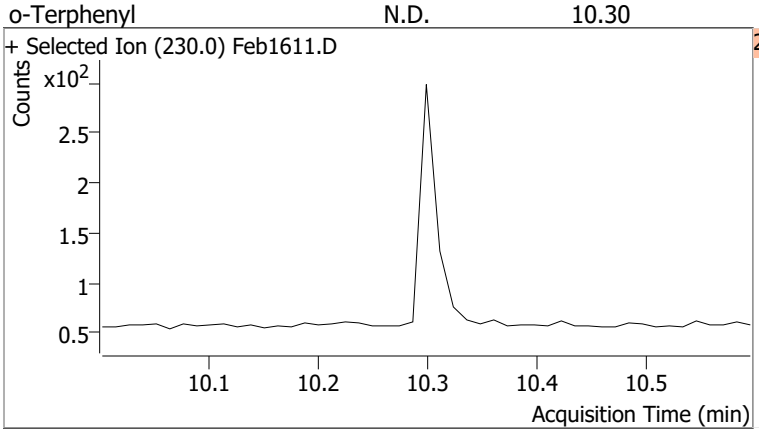


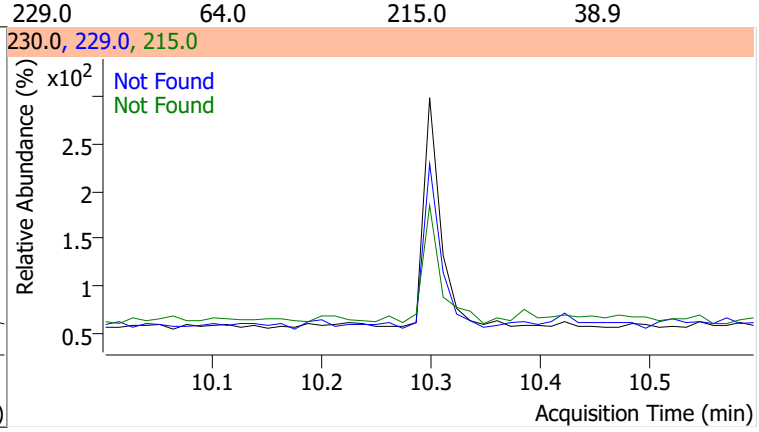
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.85	176.0	17.1



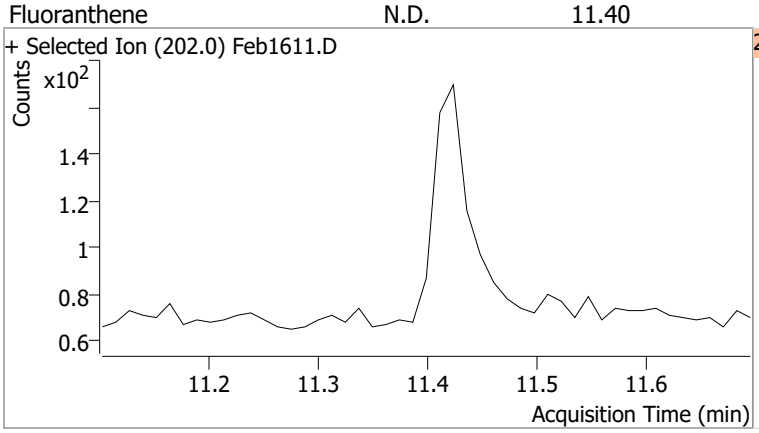


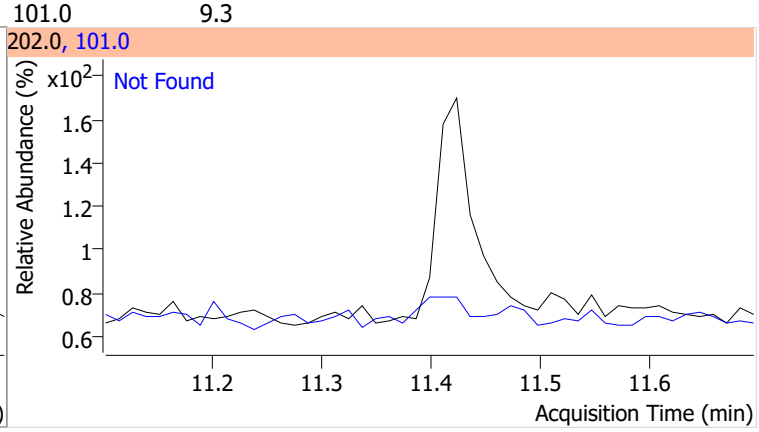
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.30	229.0	64.0	215.0	38.9



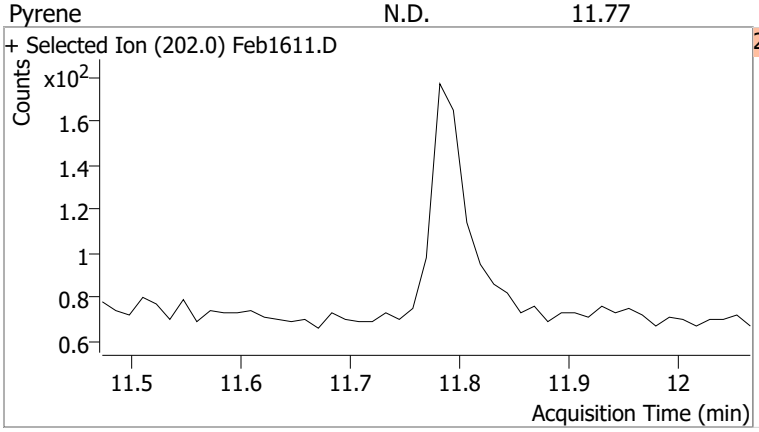


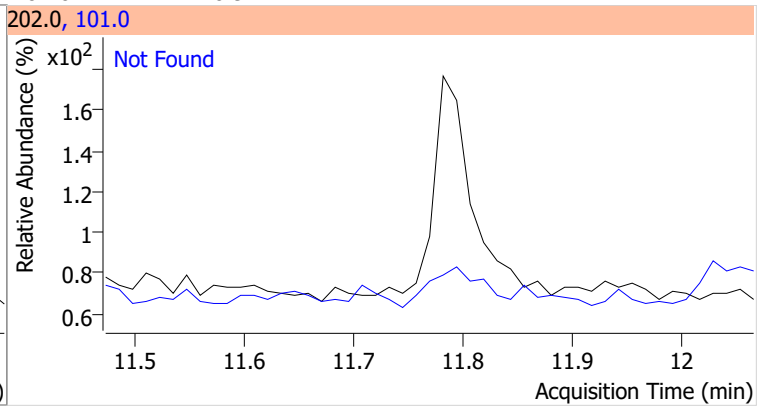
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.40	101.0	9.3



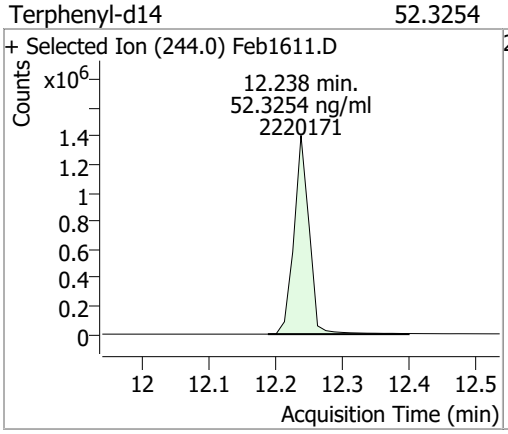


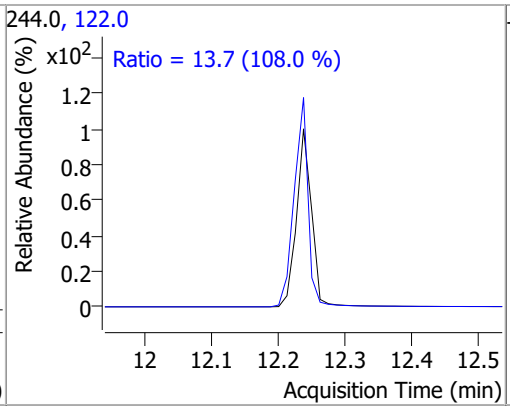
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.77	101.0	10.9

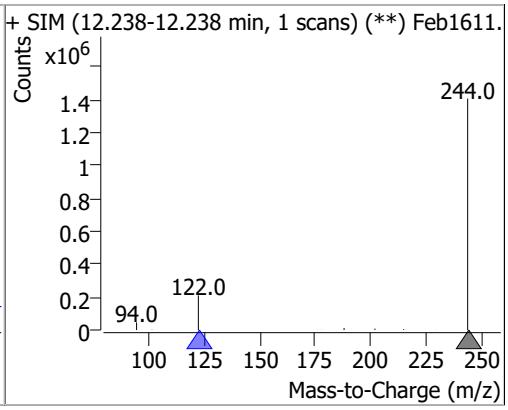




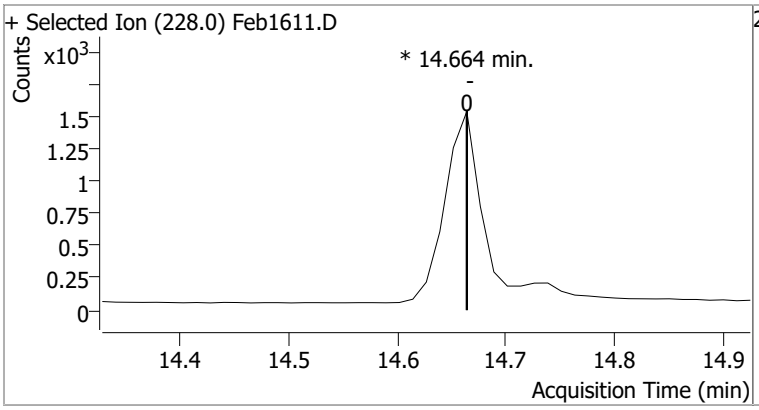
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	52.3254	12.24	0.00	2220171	122.0	13.7	8.9	16.5

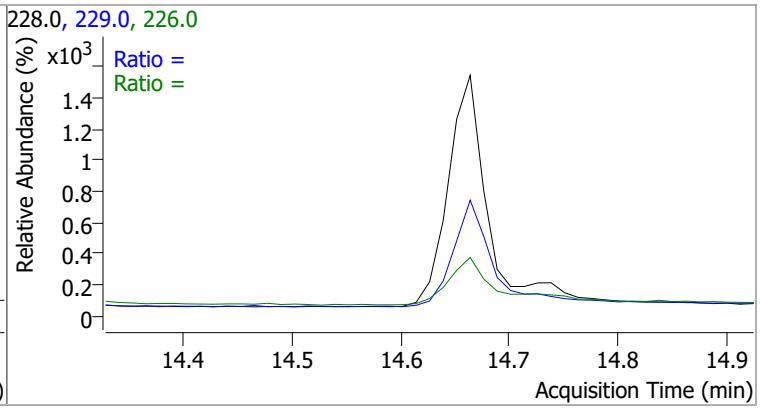




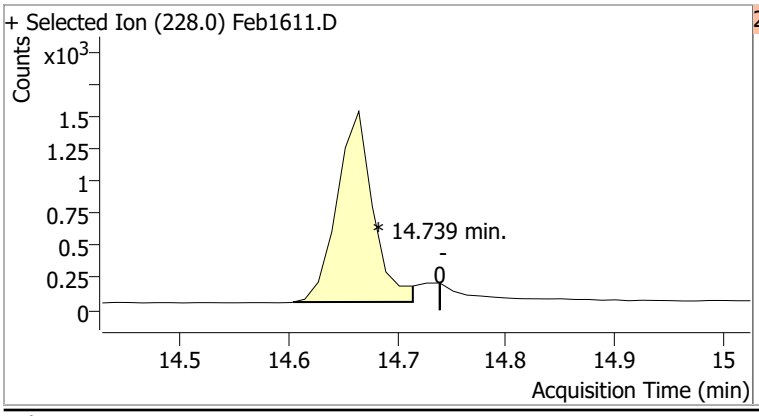


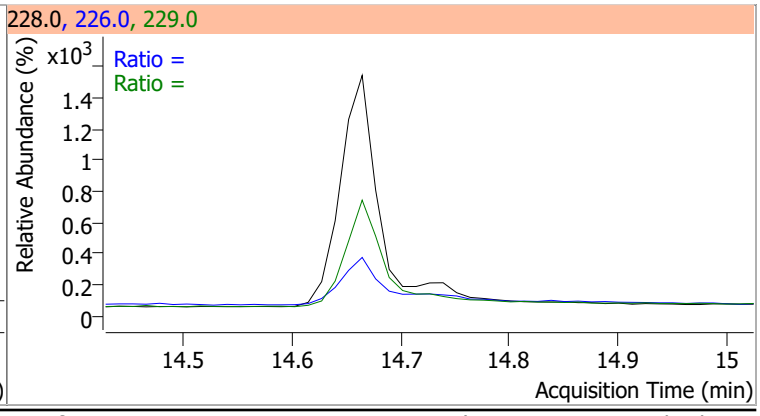
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.0	33.4
					229.0		16.5	30.7



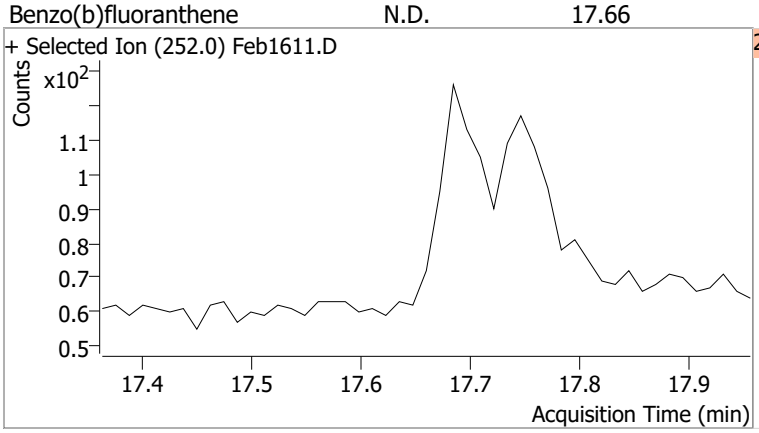


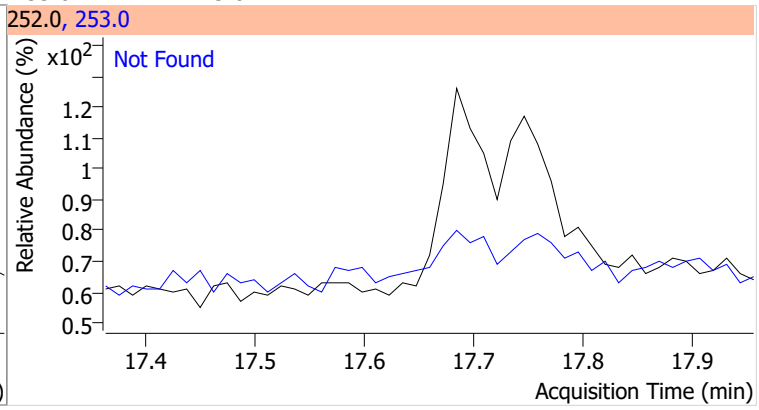
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		20.2	37.5
					229.0		15.5	28.8



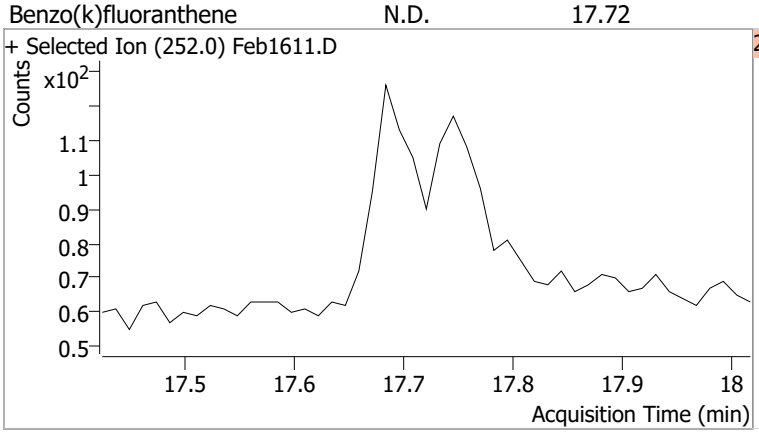


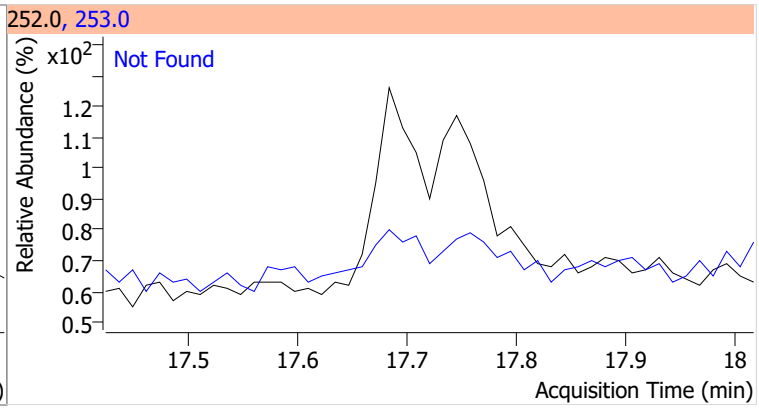
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.66	253.0	23.0



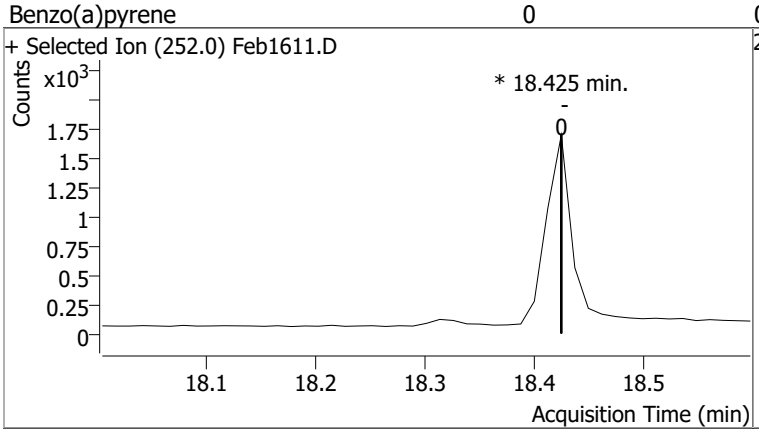


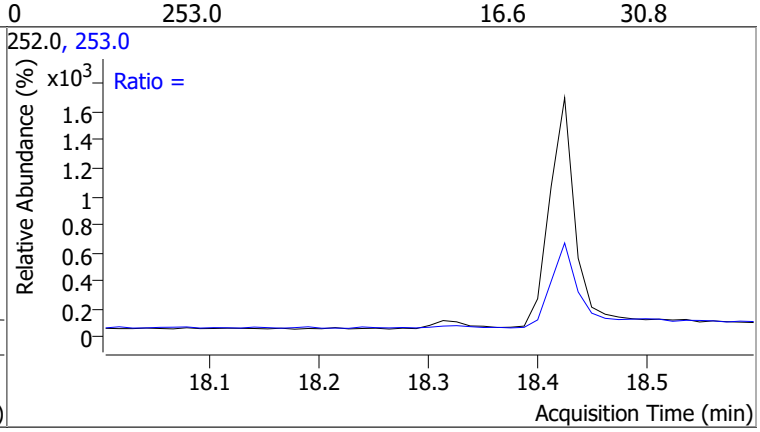
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.72	253.0	21.7



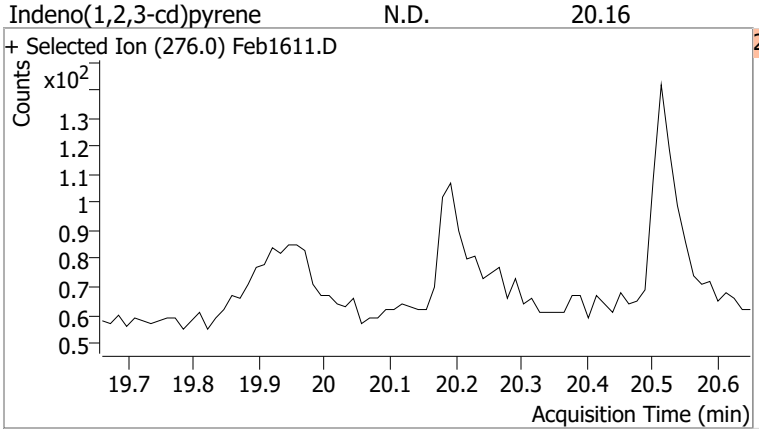


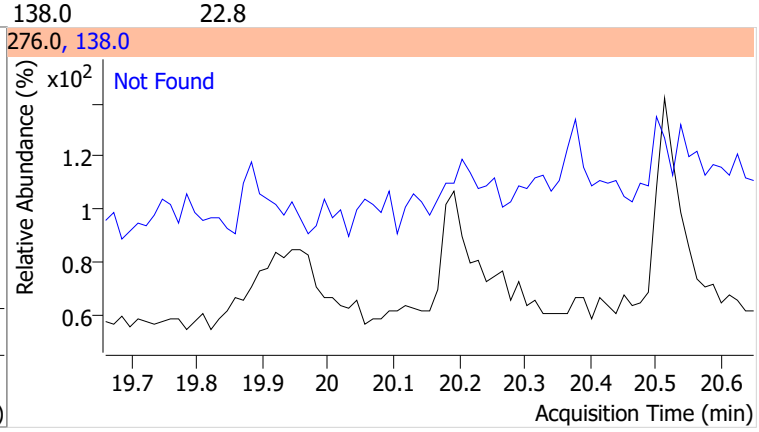
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.6	30.8



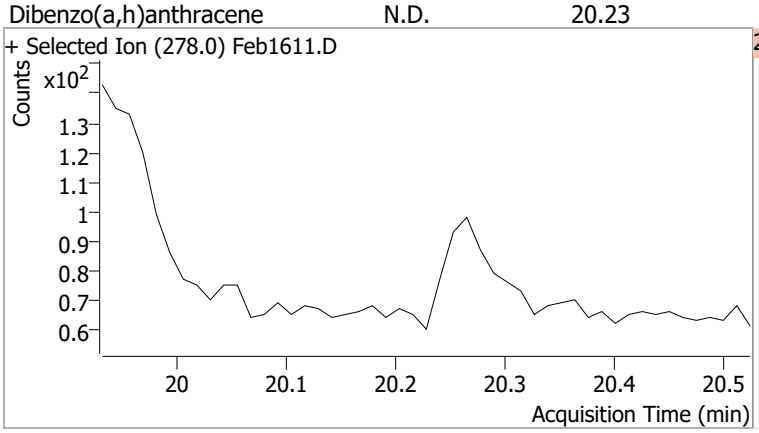


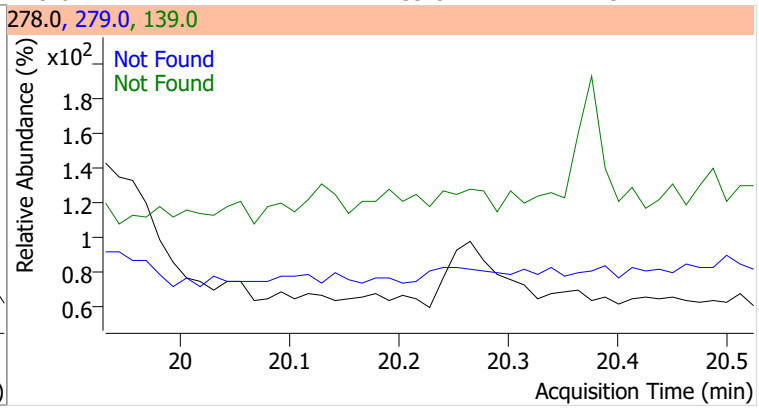
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.16	138.0	22.8



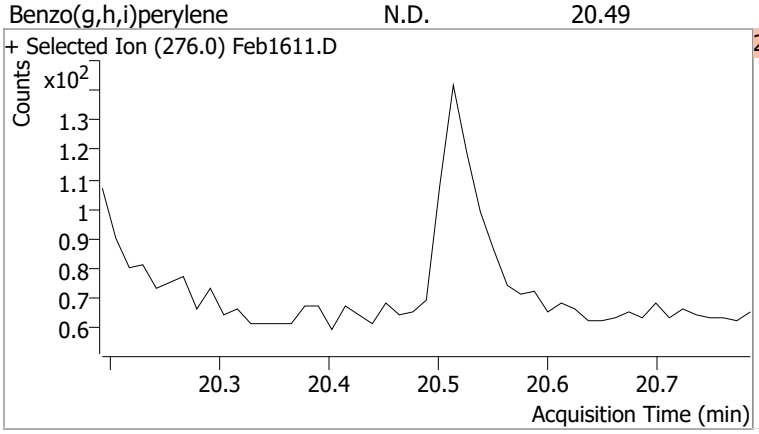


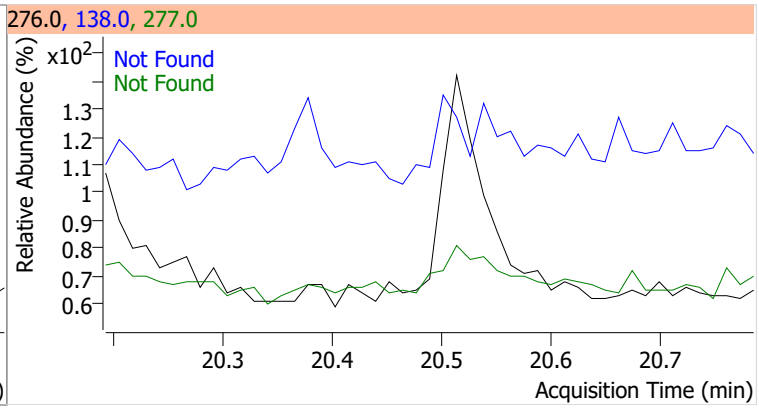
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.7	139.0	17.3





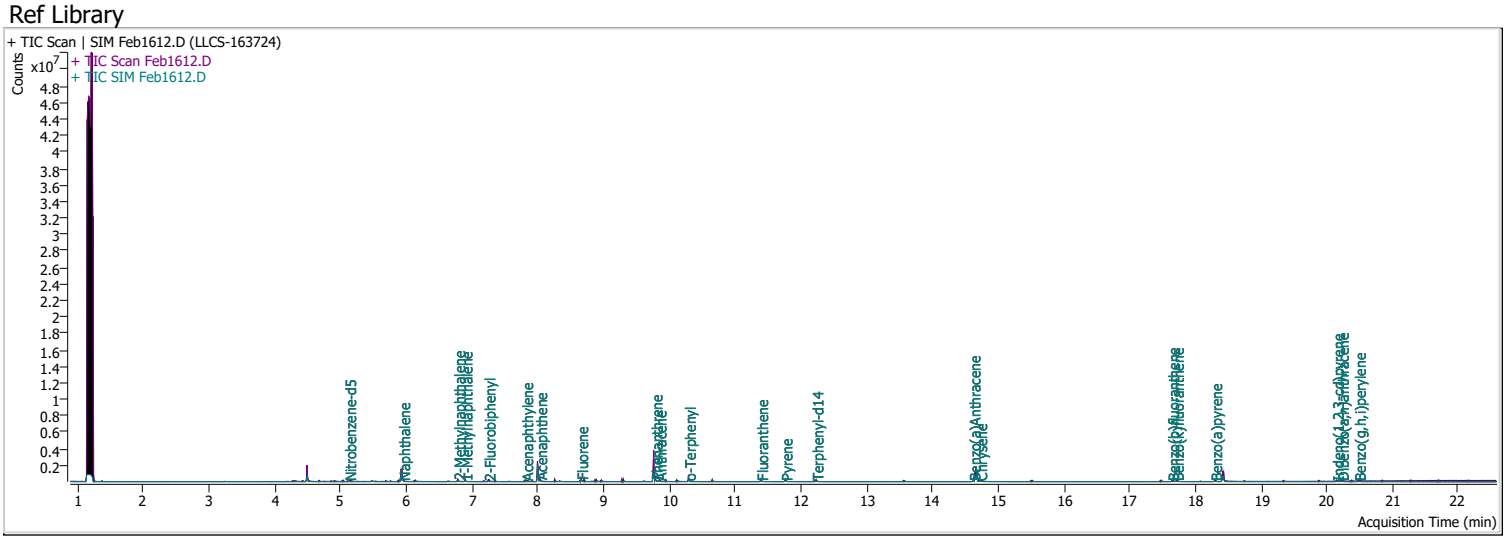
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.6	138.0	23.4





Quantitation Results Report (QT Reviewed)

Data File	Feb1612.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 6:28:35 PM
Sample Name	LLCS-163724	Instrument	GCMS
Vial	12	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

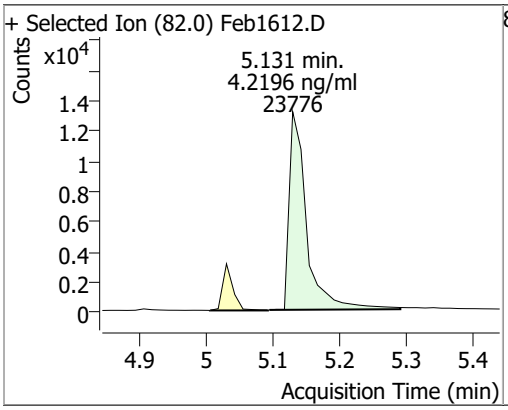


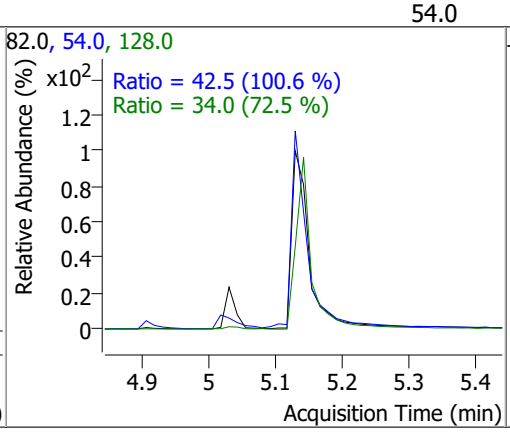
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	252334	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1055480	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.000	164.0	741365	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1325618	40.0000	ng/ml		0.000
M Chrysene-d12	14.664	240.0	1060082	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	678656	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.131	82.0	23776	4.2196	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 84.39%			
S 2-Fluorobiphenyl	7.252	172.0	82480	3.9977	ng/ml		-0.013
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 79.95%			
S o-Terphenyl	10.299	230.0	83831	4.6664	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 93.33%			
S Terphenyl-d14	12.238	244.0	104988	4.8253	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 96.51%			
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	90015	3.5675	ng/ml		98
T 2-Methylnaphthalene	6.790	141.0	60422	3.6892	ng/ml	m	96
T 1-Methylnaphthalene	6.902	141.0	55672	3.0862	ng/ml	m	97
T Acenaphthylene	7.826	152.0	91841	3.7697	ng/ml		98
T Acenaphthene	8.038	154.0	77493	4.3000	ng/ml		99
T Fluorene	8.661	166.0	100752	4.5392	ng/ml	#	97
T Phenanthrene	9.793	178.0	148586	4.7388	ng/ml		100
T Anthracene	9.854	178.0	138639	4.8625	ng/ml		100
T Fluoranthene	11.398	202.0	152152	4.8066	ng/ml		98
T Pyrene	11.769	202.0	168911	4.9219	ng/ml		99
T Benzo(a)Anthracene	14.627	228.0	127056	4.9873	ng/ml		99
T Chrysene	14.726	228.0	161182	4.9467	ng/ml		98
T Benzo(b)fluoranthene	17.647	252.0	108197	4.8367	ng/ml		100

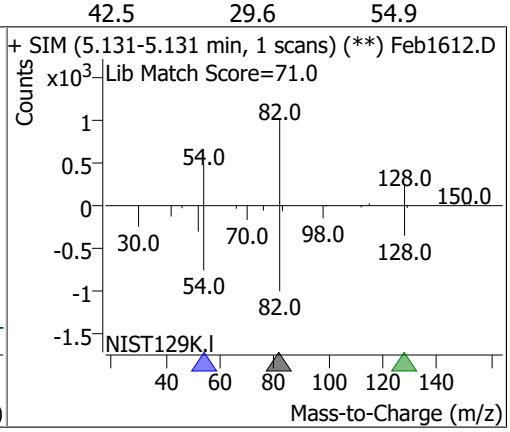
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.721	252.0	115648	4.4898	ng/ml	95
T Benzo(a)pyrene	18.302	252.0	91339	4.6999	ng/ml	100
T Indeno(1,2,3-cd)pyrene	20.155	276.0	78482	4.7001	ng/ml	100
T Dibenzo(a,h)anthracene	20.229	278.0	92844	4.7668	ng/ml	98
T Benzo(g,h,i)perylene	20.489	276.0	107713	4.7047	ng/ml	91

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

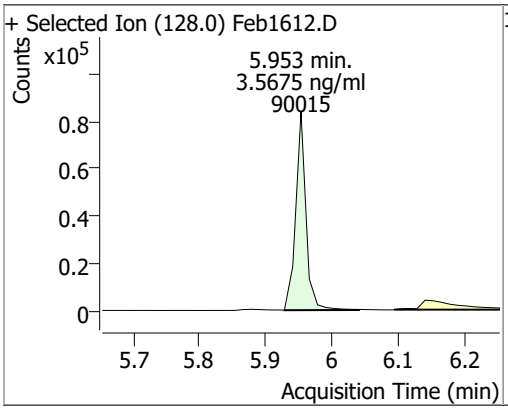
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	4.2196	5.13	-0.01	23776	128.0	34.0	32.9	61.0
					54.0	42.5	29.6	54.9

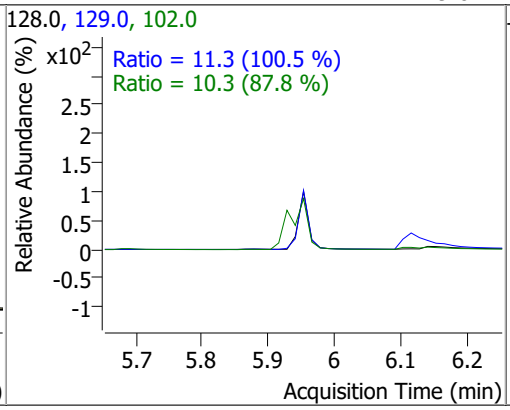


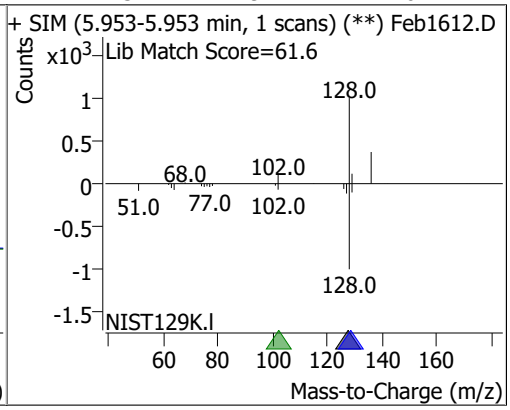




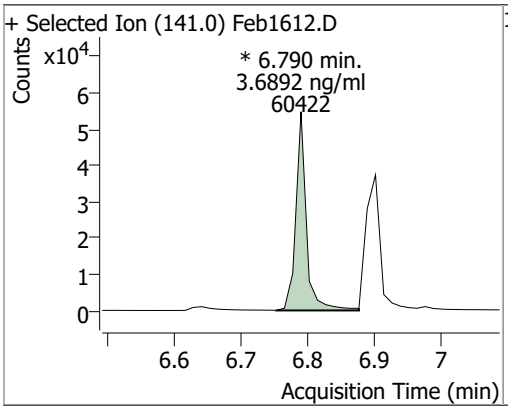
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	3.5675	5.95	0.00	90015	102.0	10.3	0.0	35.2
					129.0	11.3	7.9	14.6

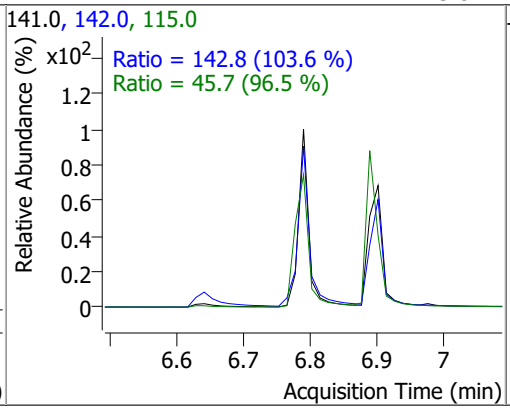


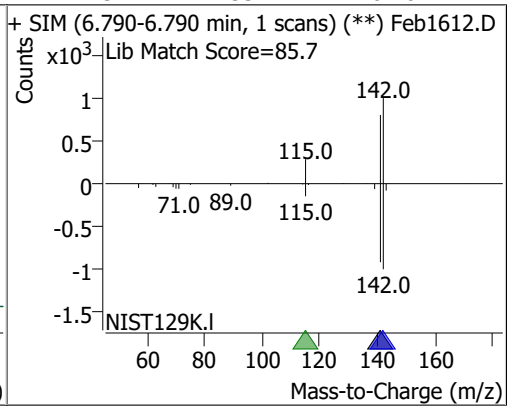




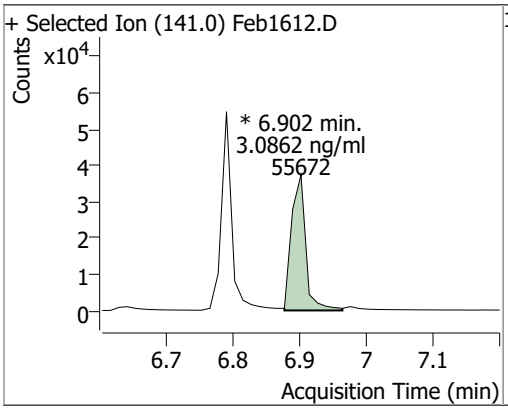
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	3.6892	6.79	0.00	60422 (m)	142.0	142.8	96.5	179.2
					115.0	45.7	33.2	61.6

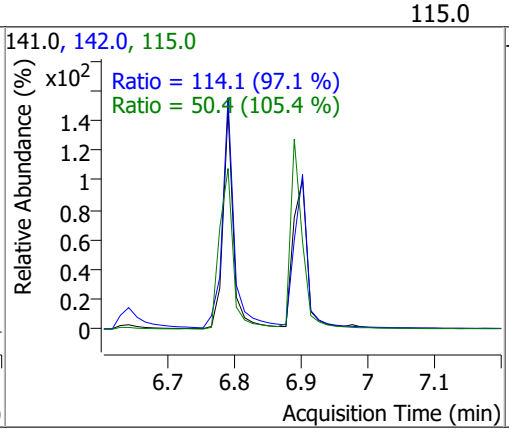


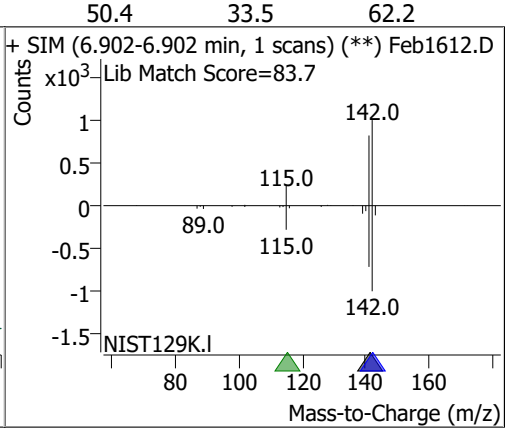




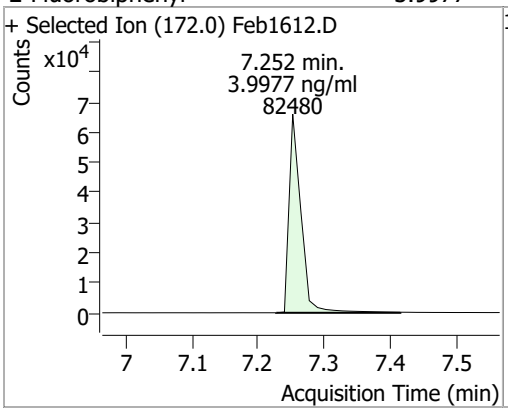
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	3.0862	6.90	0.00	55672 (m)	142.0	114.1	82.3	152.8
					115.0	50.4	33.5	62.2

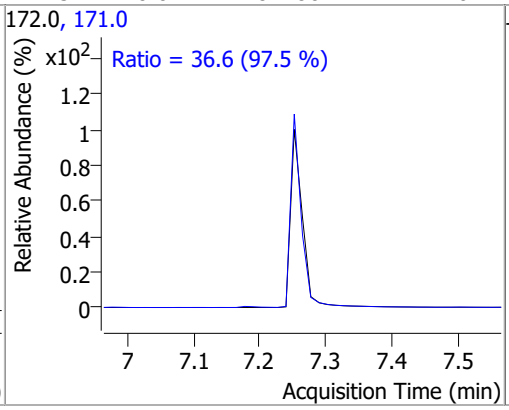


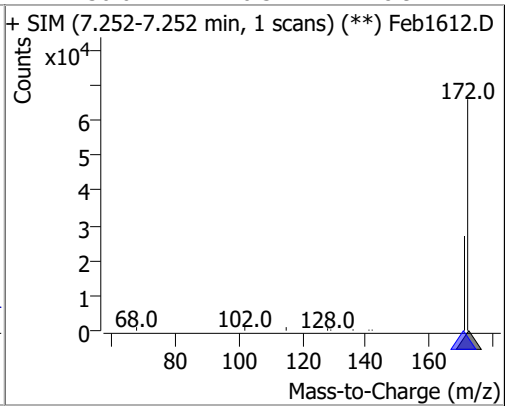




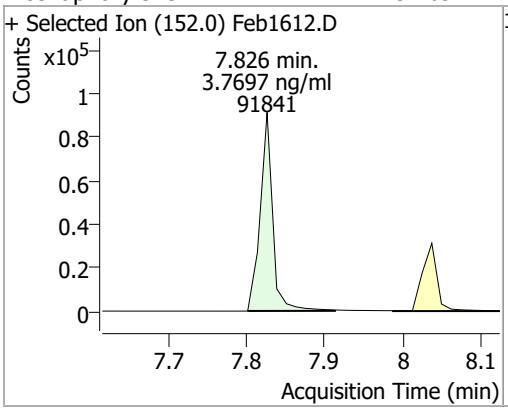
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.9977	7.25	-0.01	82480	171.0	36.6	26.3	48.9

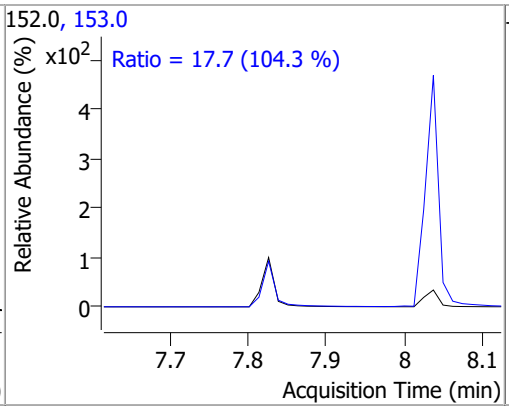


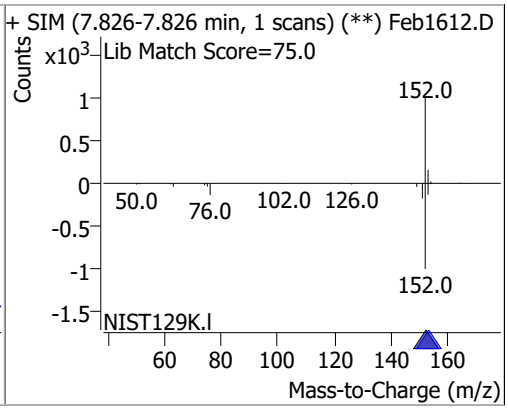




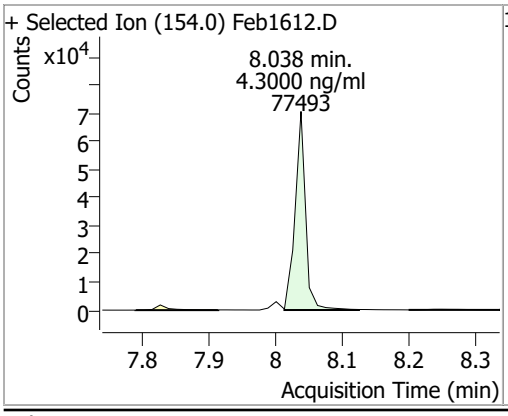
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	3.7697	7.83	0.00	91841	153.0	17.7	11.8	22.0

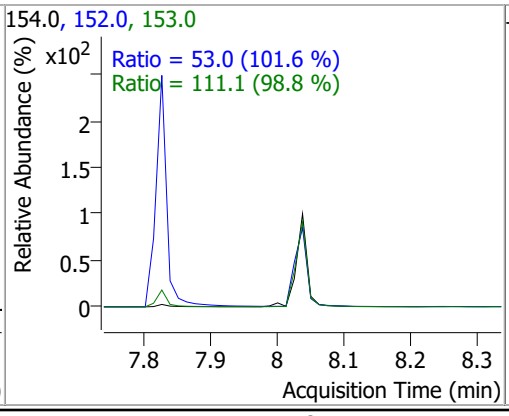


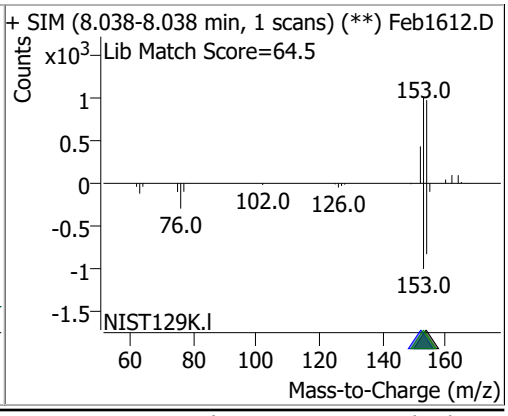




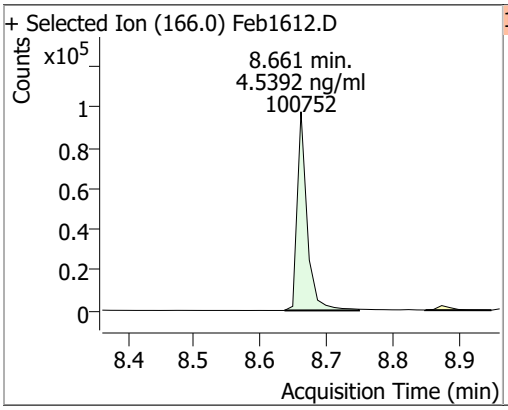
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	4.3000	8.04	0.00	77493	153.0	111.1	78.7	146.2
					152.0	53.0	36.5	67.8

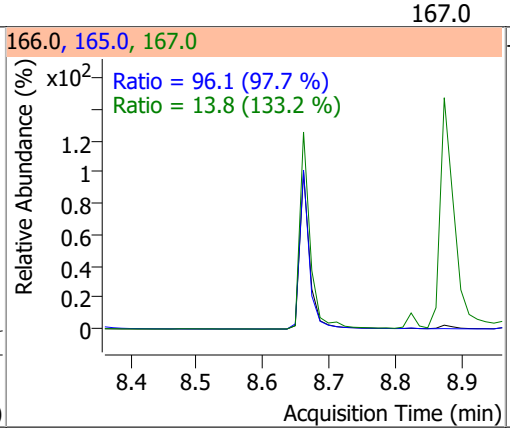


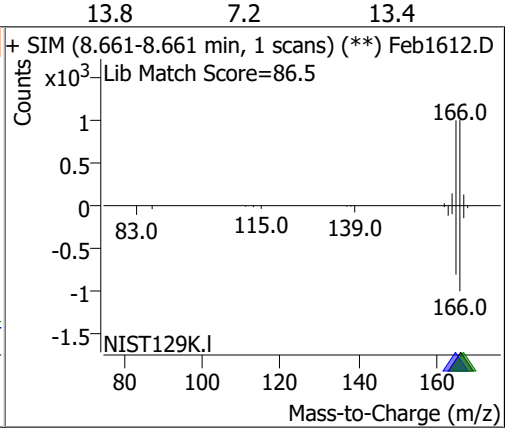




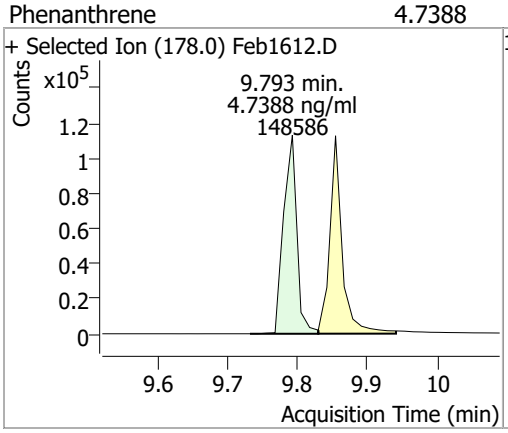
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	4.5392	8.66	0.00	100752	165.0	96.1	68.8	127.8
					167.0	13.8	7.2	13.4

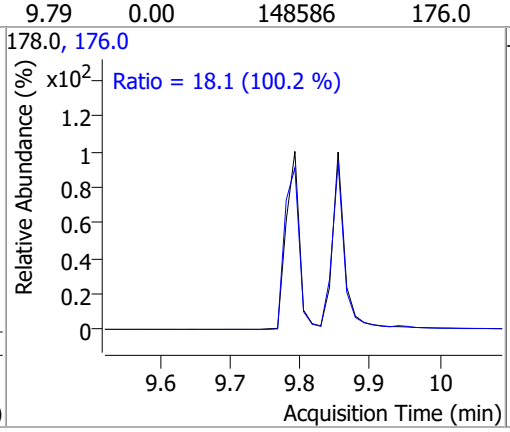


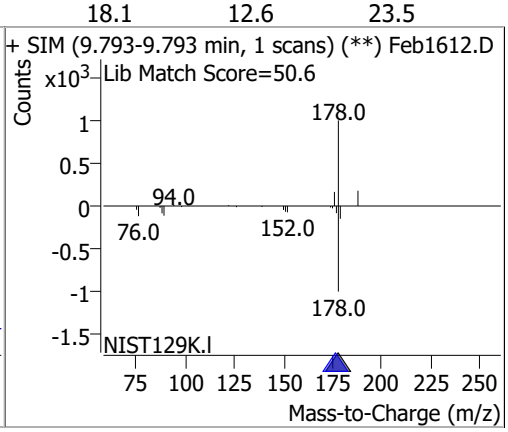




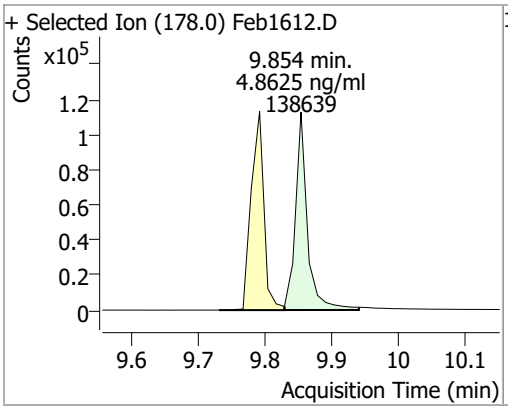
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	4.7388	9.79	0.00	148586	176.0	18.1	12.6	23.5

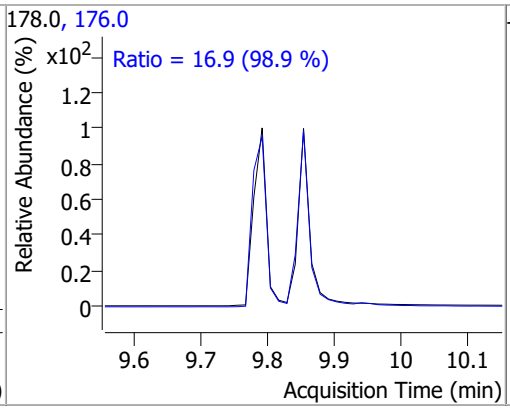


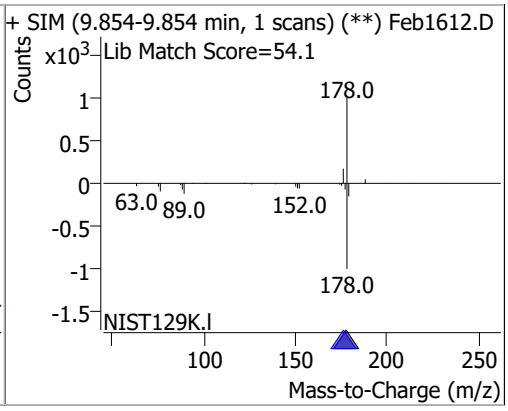




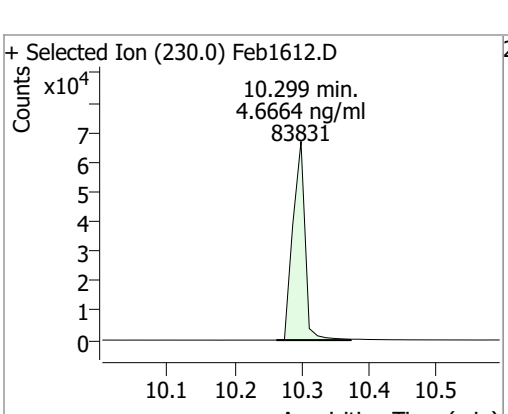
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	4.8625	9.85	0.00	138639	176.0	16.9	12.0	22.3

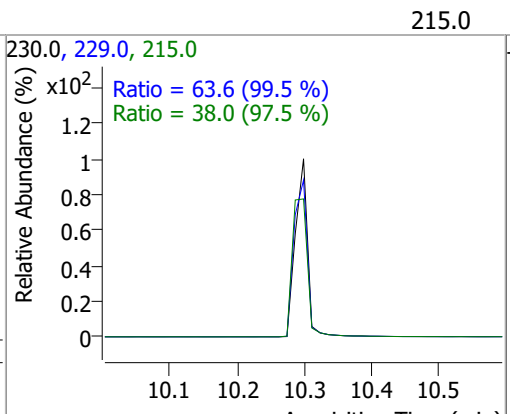


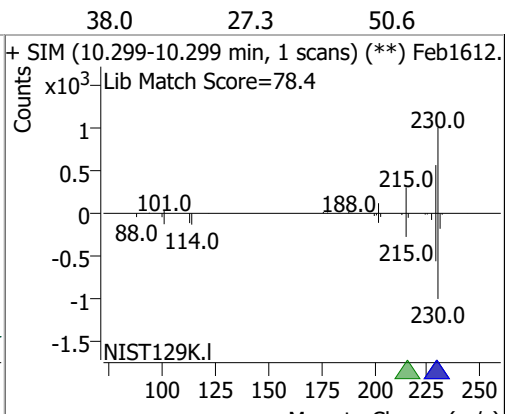




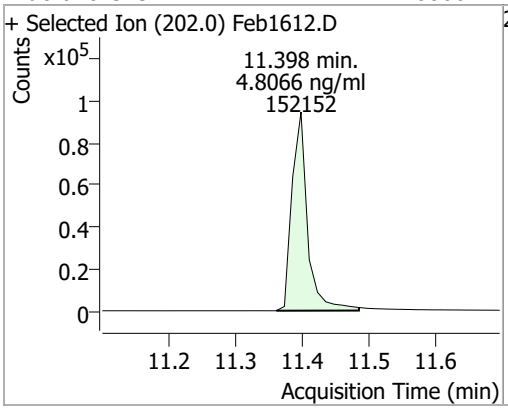
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	4.6664	10.30	0.00	83831	229.0	63.6	44.8	83.1
					215.0	38.0	27.3	50.6

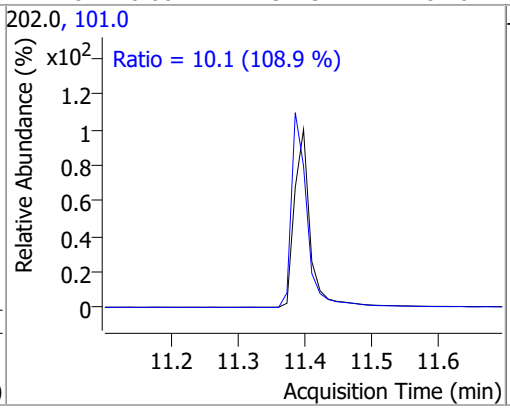


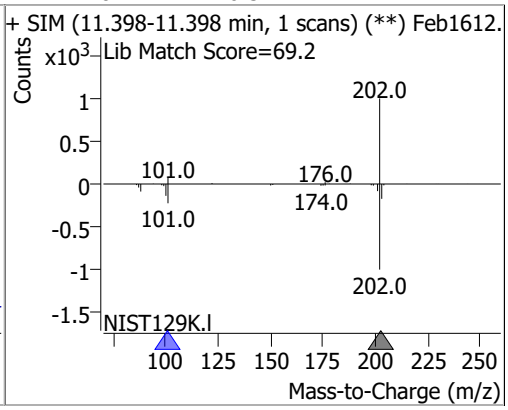




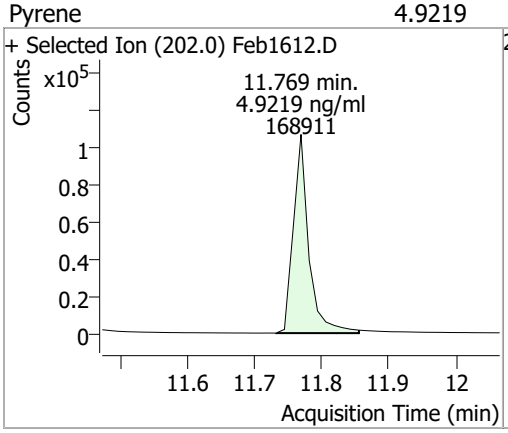
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	4.8066	11.40	0.00	152152	101.0	10.1	6.5	12.1

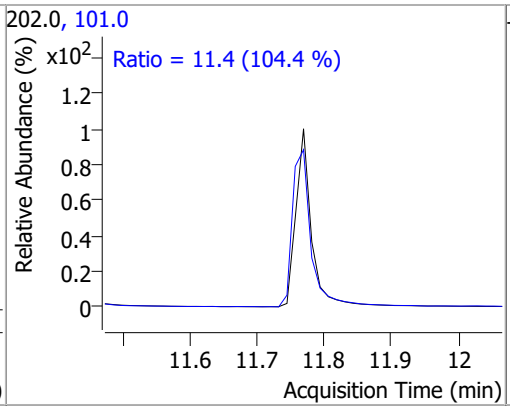


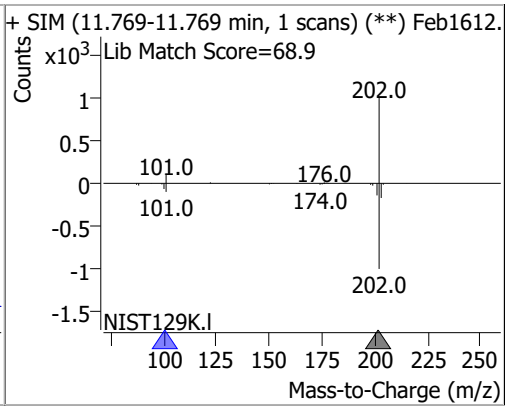




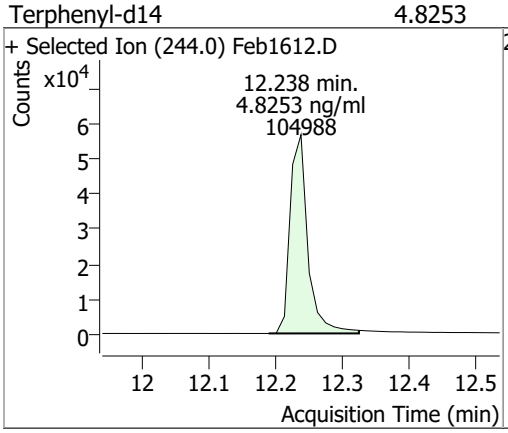
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	4.9219	11.77	0.00	168911	101.0	11.4	7.6	14.2

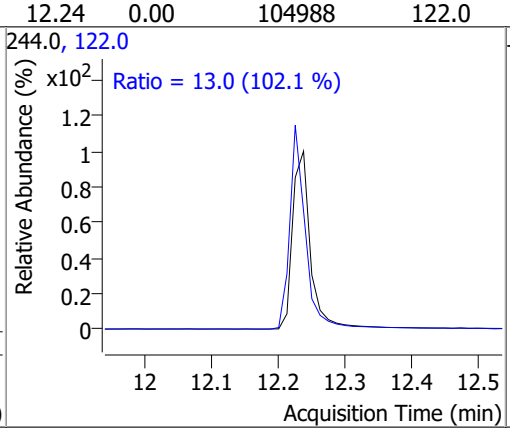


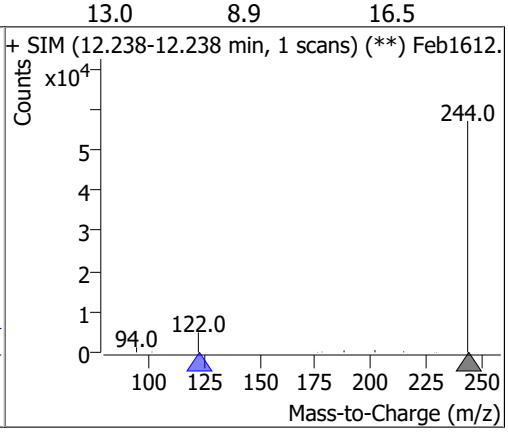




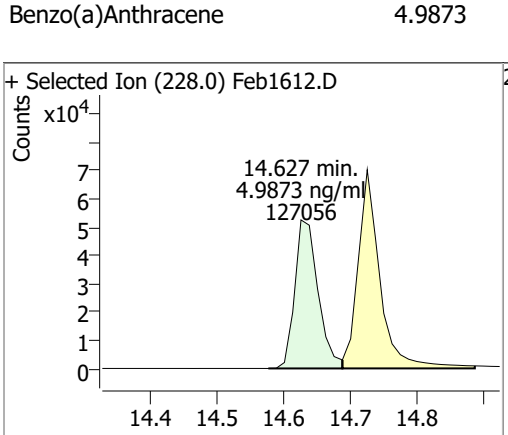
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	4.8253	12.24	0.00	104988	122.0	13.0	8.9	16.5

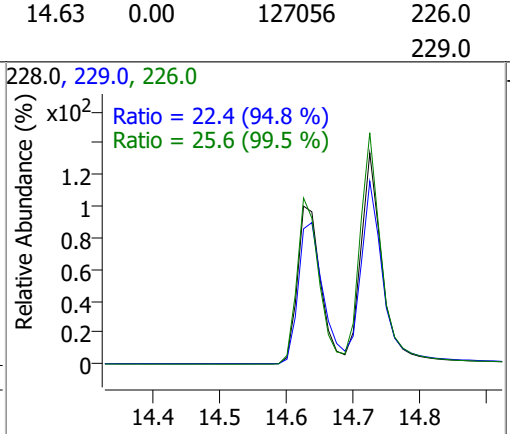


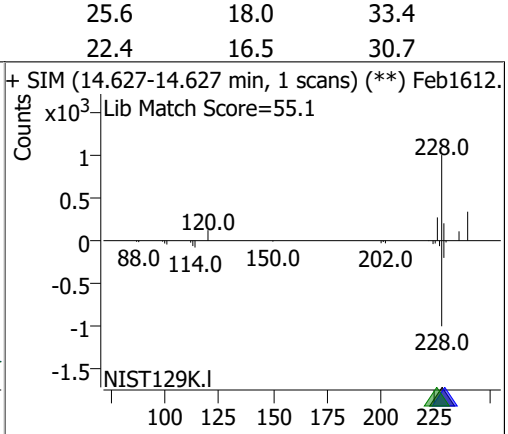




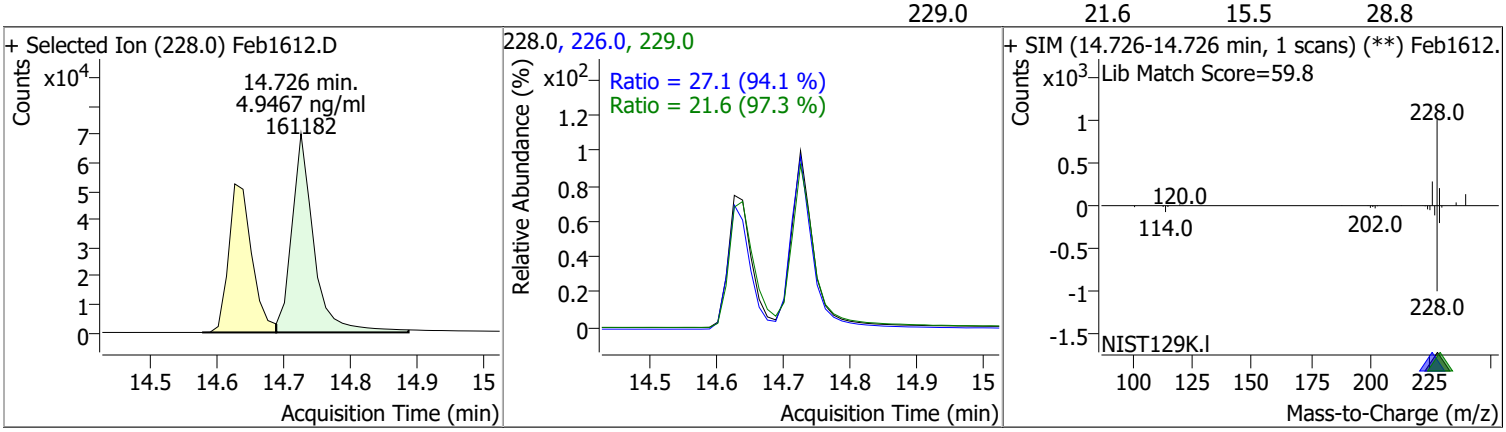
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	4.9873	14.63	0.00	127056	226.0	25.6	18.0	33.4
					229.0	22.4	16.5	30.7



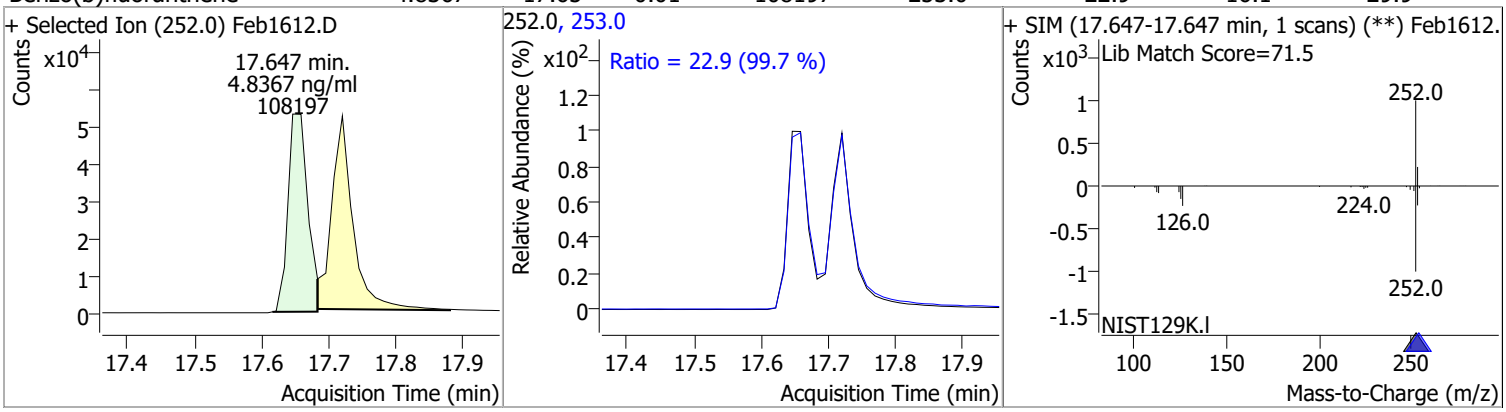




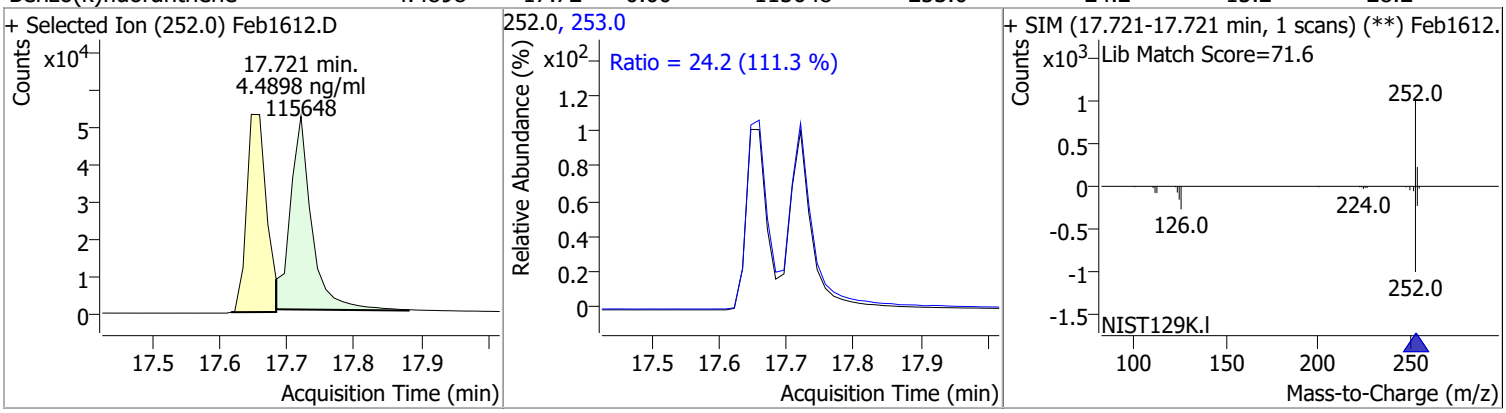
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	4.9467	14.73	0.00	161182	226.0	27.1	20.2	37.5
					229.0	21.6	15.5	28.8



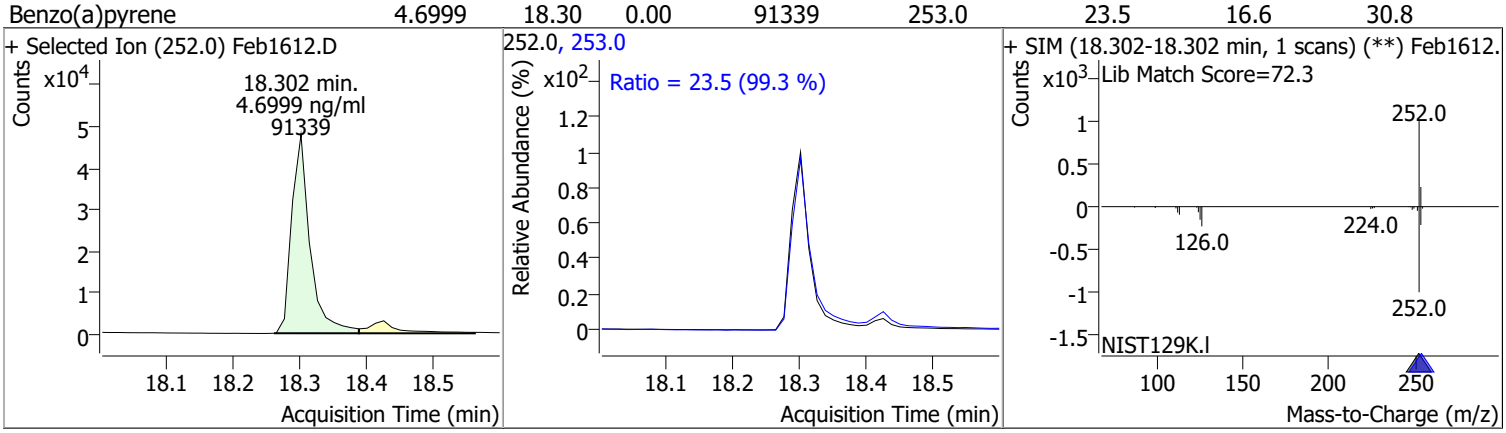
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	4.8367	17.65	-0.01	108197	253.0	22.9	16.1	29.9



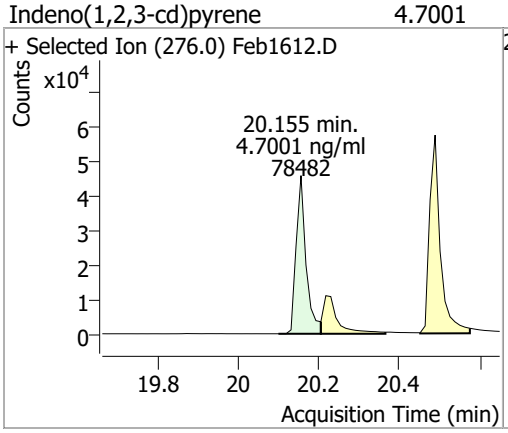
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	4.4898	17.72	0.00	115648	253.0	24.2	15.2	28.2

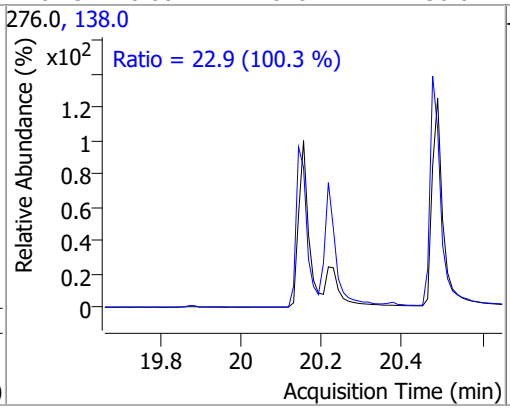


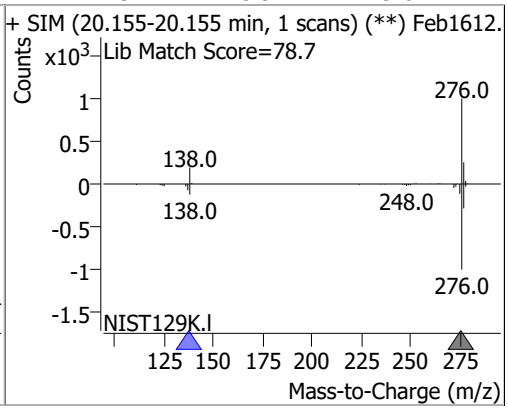
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	4.6999	18.30	0.00	91339	253.0	23.5	16.6	30.8



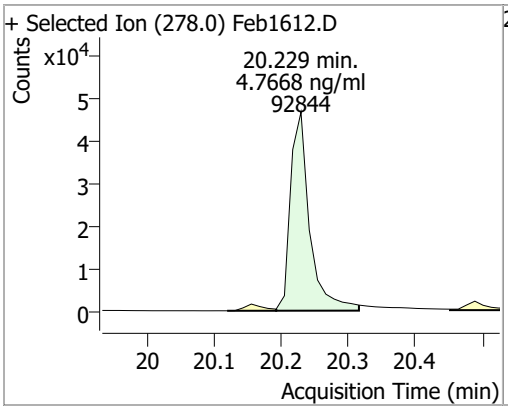
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	4.7001	20.15	0.00	78482	138.0	22.9	15.9	29.6

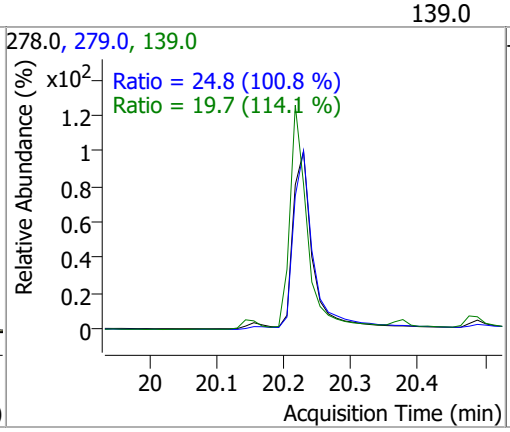


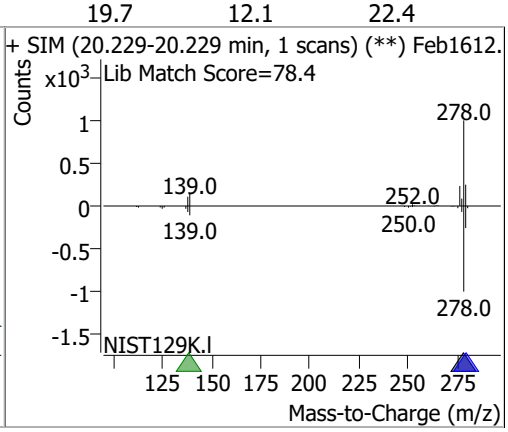




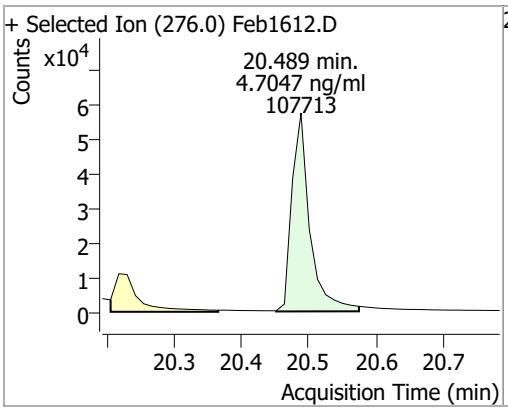
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	4.7668	20.23	0.00	92844	279.0	24.8	17.3	32.0
					139.0	19.7	12.1	22.4

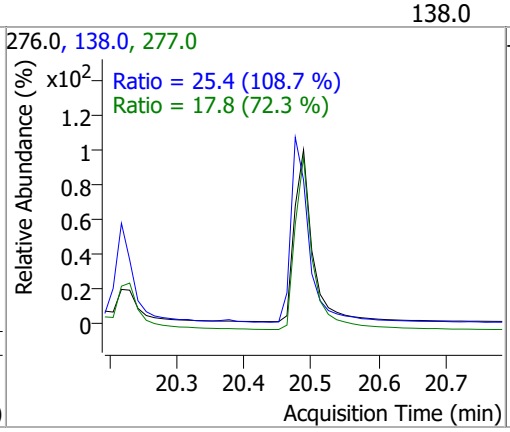


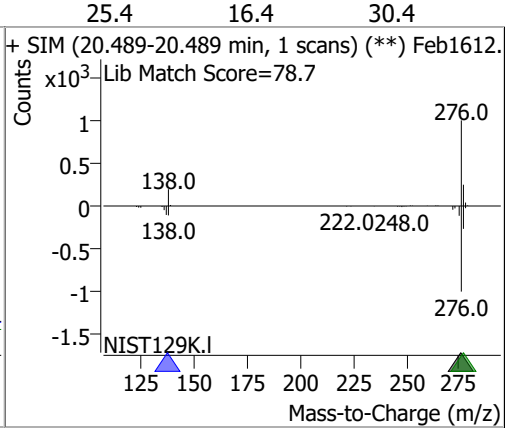




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	4.7047	20.49	0.00	107713	277.0	17.8	17.2	32.0
					138.0	25.4	16.4	30.4

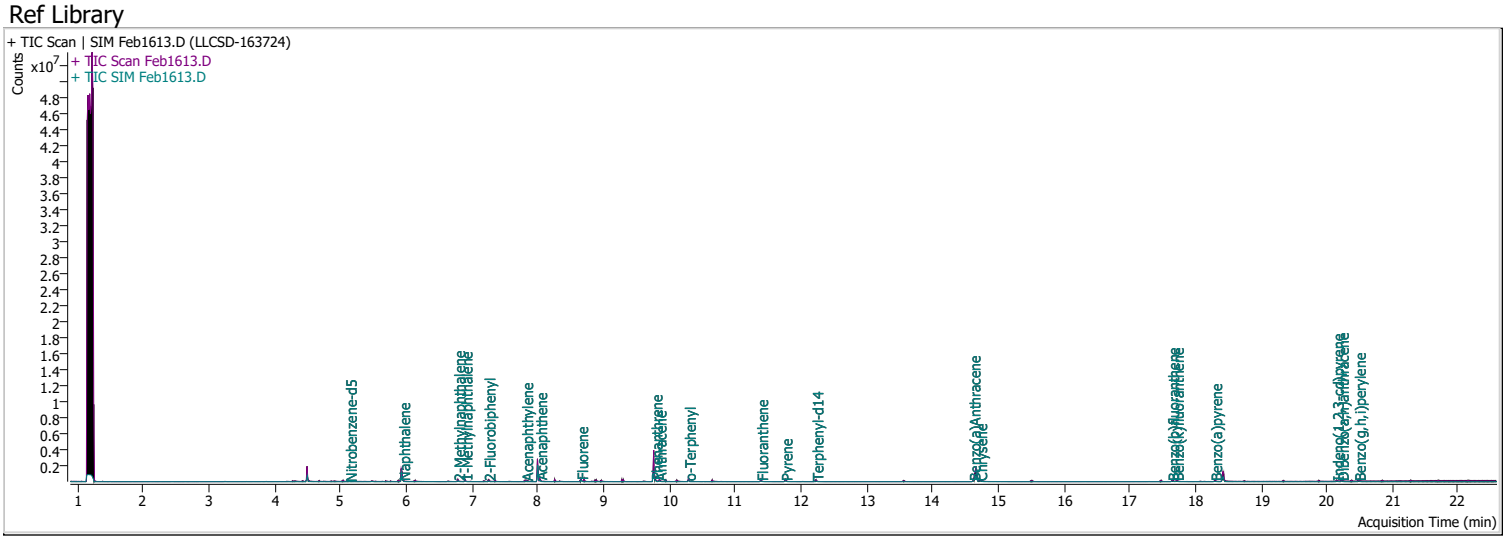






Quantitation Results Report (QT Reviewed)

Data File	Feb1613.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 7:00:48 PM
Sample Name	LLCSD-163724	Instrument	GCMS
Vial	13	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

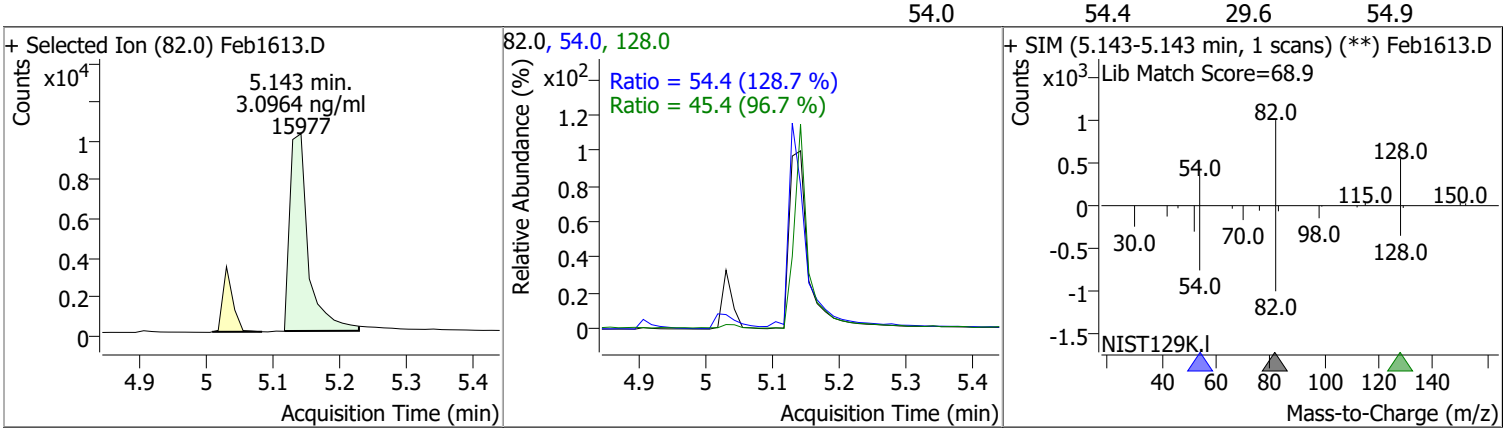


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	242131	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1078636	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.000	164.0	764268	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1331584	40.0000	ng/ml		0.000
M Chrysene-d12	14.664	240.0	1078101	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	683471	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	15977	3.0964	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 61.93%			
S 2-Fluorobiphenyl	7.252	172.0	79285	3.7553	ng/ml		-0.013
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 75.11%			
S o-Terphenyl	10.299	230.0	78436	4.3516	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 87.03%			
S Terphenyl-d14	12.238	244.0	104834	4.7442	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 94.88%			
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	85525	3.3123	ng/ml		98
T 2-Methylnaphthalene	6.790	141.0	58367	3.4872	ng/ml	m	100
T 1-Methylnaphthalene	6.902	141.0	52863	2.8676	ng/ml	m	96
T Acenaphthylene	7.826	152.0	87395	3.4924	ng/ml		98
T Acenaphthene	8.038	154.0	73892	3.9771	ng/ml		99
T Fluorene	8.661	166.0	98398	4.3176	ng/ml	#	96
T Phenanthrene	9.793	178.0	144582	4.5967	ng/ml		100
T Anthracene	9.854	178.0	127350	4.4601	ng/ml		100
T Fluoranthene	11.398	202.0	145192	4.5855	ng/ml		98
T Pyrene	11.769	202.0	156869	4.5111	ng/ml		97
T Benzo(a)Anthracene	14.627	228.0	123214	4.7662	ng/ml		99
T Chrysene	14.726	228.0	155682	4.7041	ng/ml		99
T Benzo(b)fluoranthene	17.647	252.0	106750	4.7495	ng/ml		100

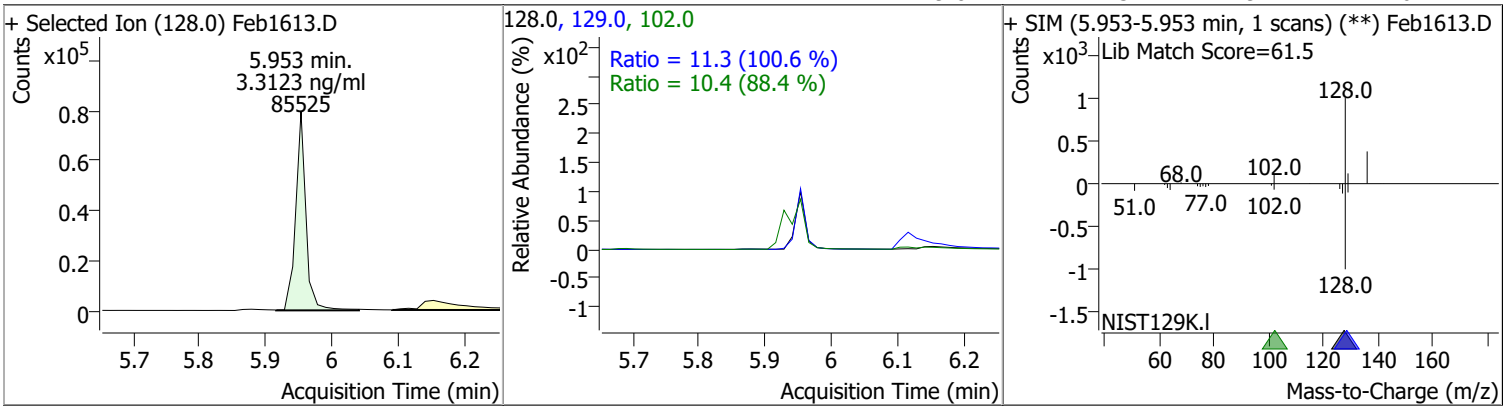
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.721	252.0	115570	4.4568	ng/ml	95
T Benzo(a)pyrene	18.302	252.0	87916	4.5166	ng/ml	99
T Indeno(1,2,3-cd)pyrene	20.155	276.0	76302	4.5567	ng/ml	99
T Dibenzo(a,h)anthracene	20.229	278.0	91557	4.6790	ng/ml	97
T Benzo(g,h,i)perylene	20.488	276.0	102127	4.4498	ng/ml	91

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

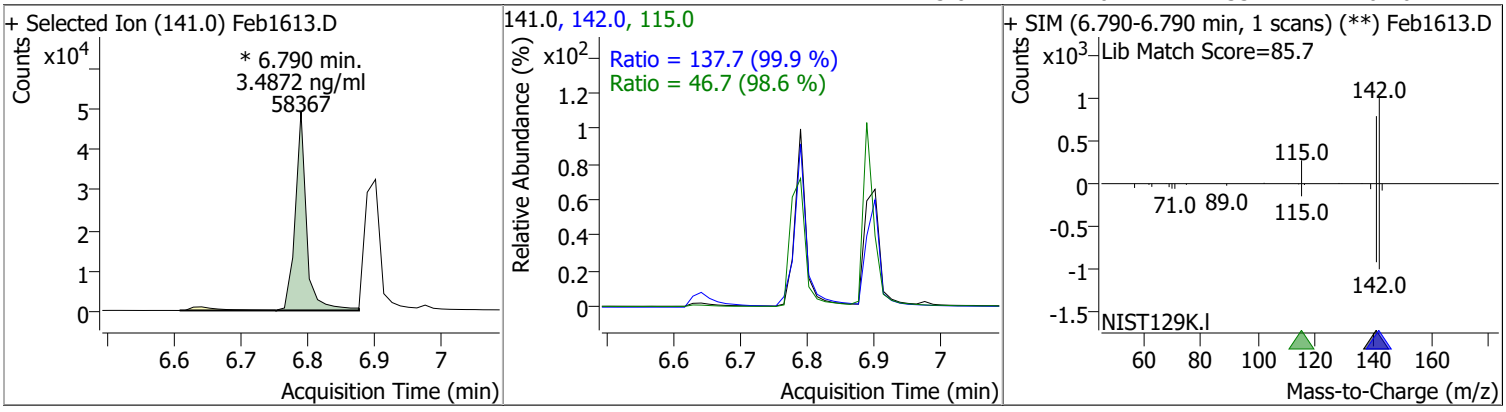
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	3.0964	5.14	0.00	15977	128.0	45.4	32.9	61.0
					54.0	54.4	29.6	54.9



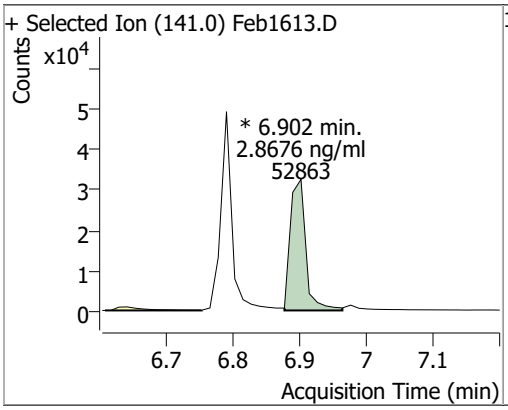
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	3.3123	5.95	0.00	85525	102.0	10.4	0.0	35.2
					129.0	11.3	7.9	14.6

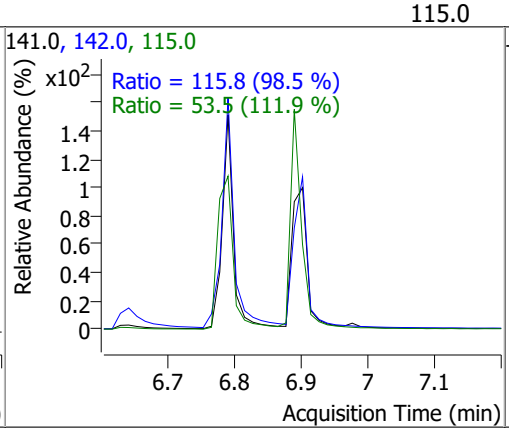


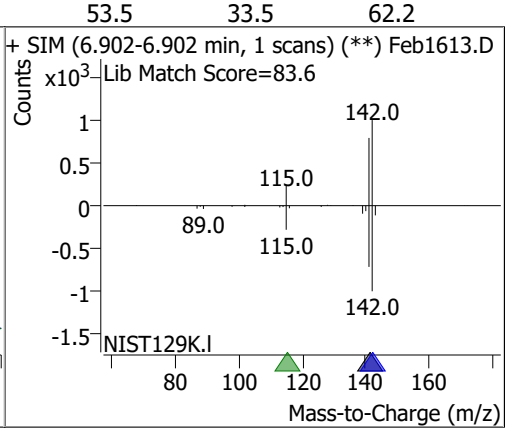
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	3.4872	6.79	0.00	58367 (m)	142.0	137.7	96.5	179.2
					115.0	46.7	33.2	61.6



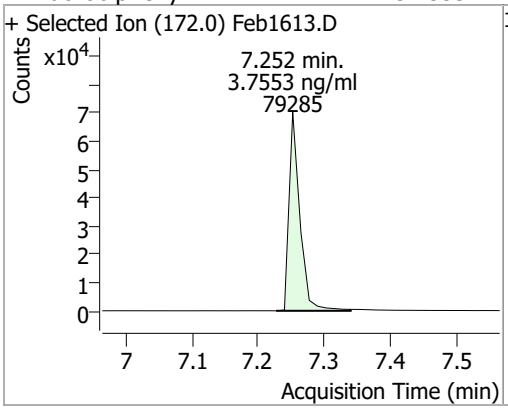
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	2.8676	6.90	0.00	52863 (m)	142.0	115.8	82.3	152.8
					115.0	53.5	33.5	62.2

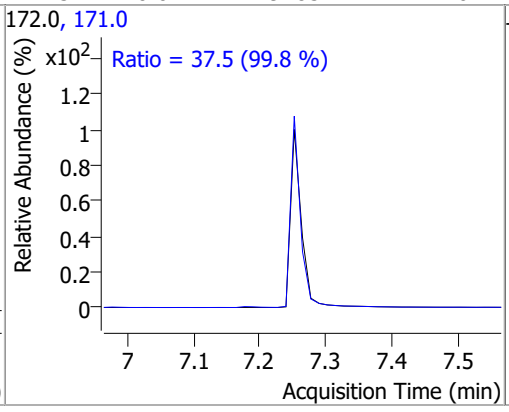


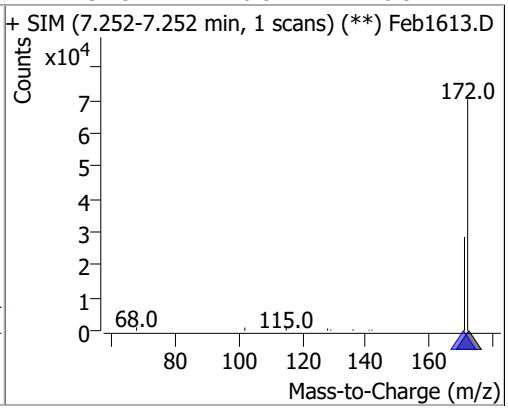




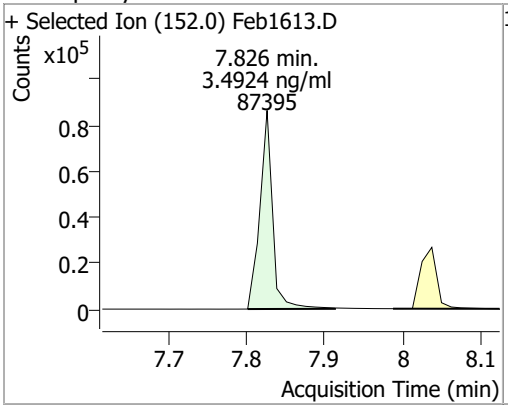
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.7553	7.25	-0.01	79285	171.0	37.5	26.3	48.9

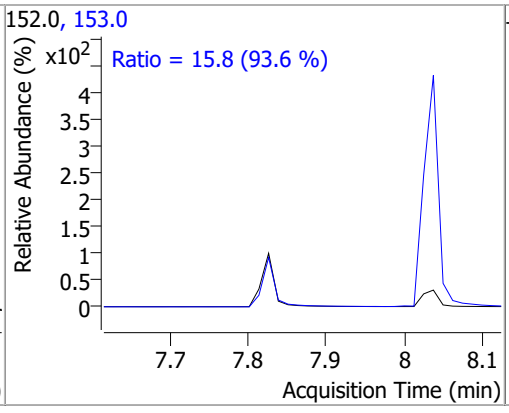


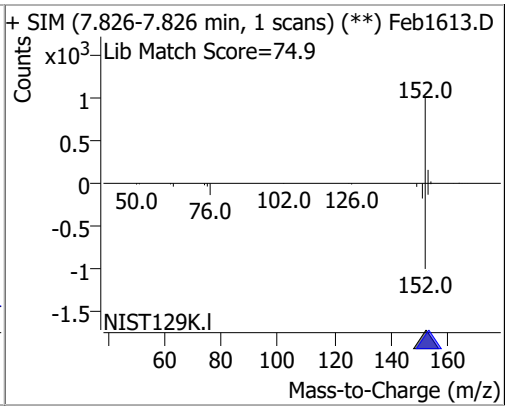




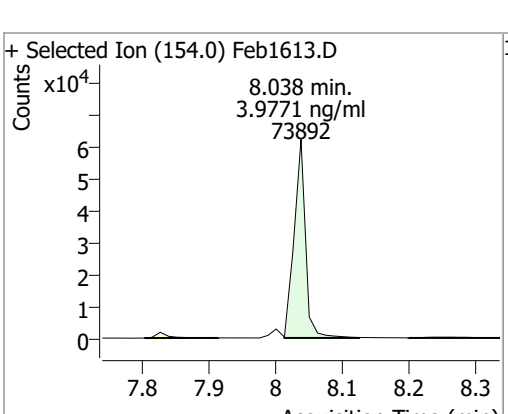
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	3.4924	7.83	0.00	87395	153.0	15.8	11.8	22.0

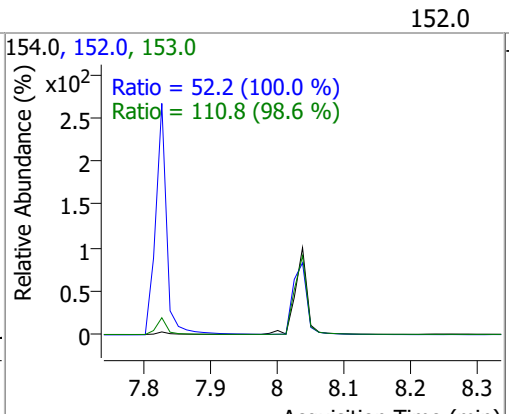


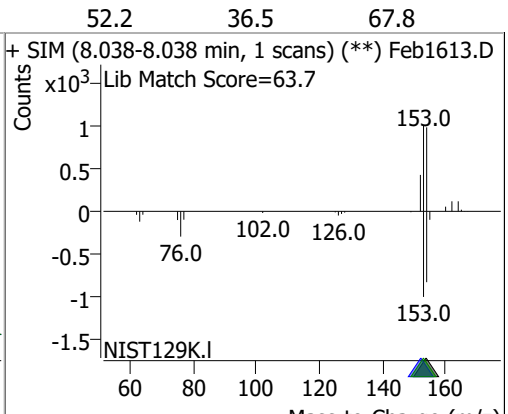




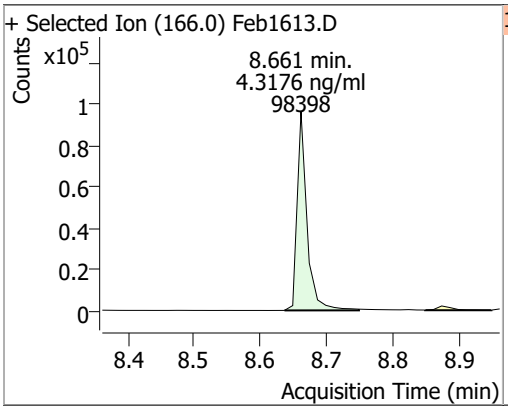
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	3.9771	8.04	0.00	73892	153.0	110.8	78.7	146.2
					152.0	52.2	36.5	67.8

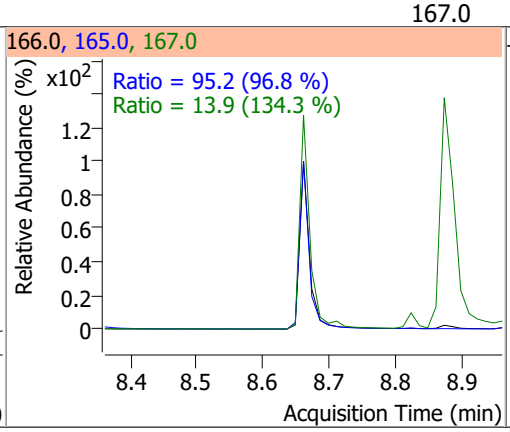


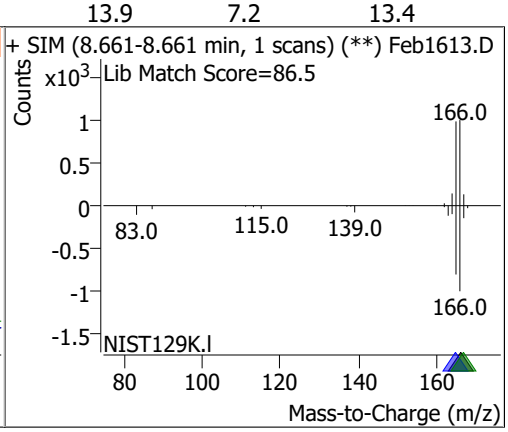




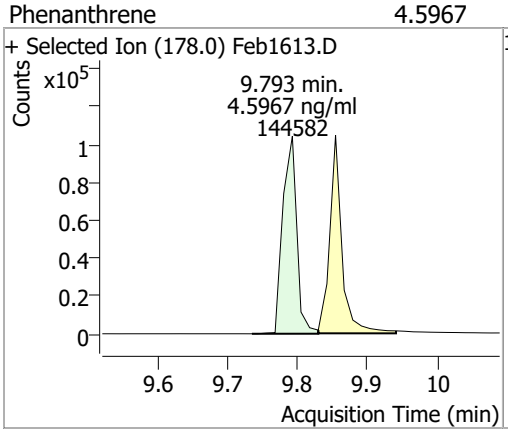
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	4.3176	8.66	0.00	98398	165.0	95.2	68.8	127.8
					167.0	13.9	7.2	13.4

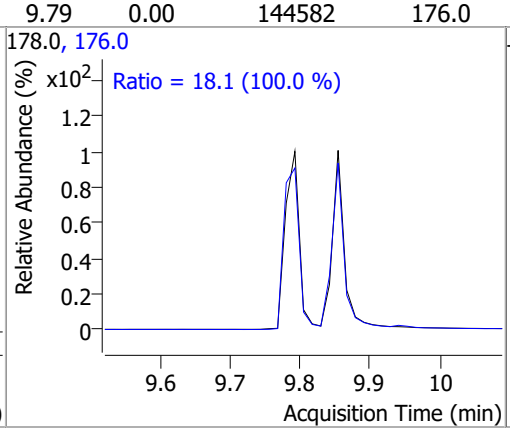


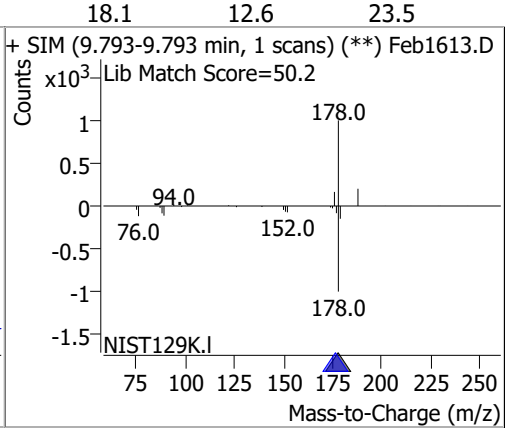




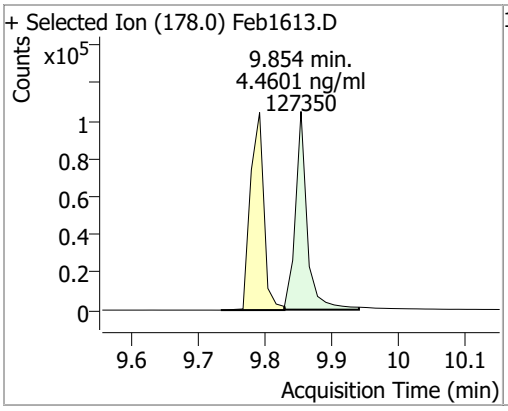
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	4.5967	9.79	0.00	144582	176.0	18.1	12.6	23.5

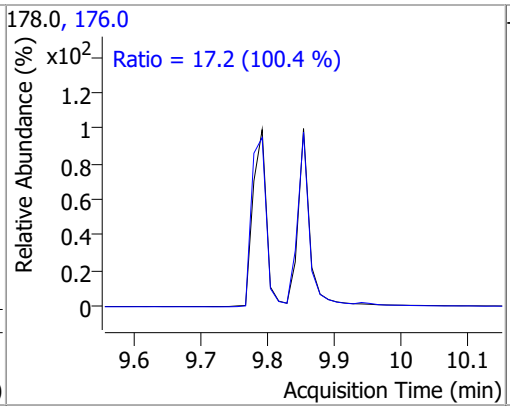


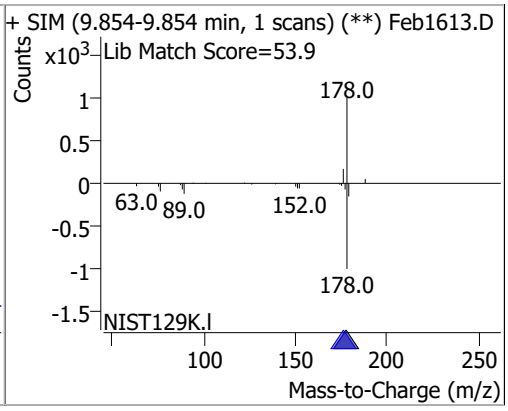




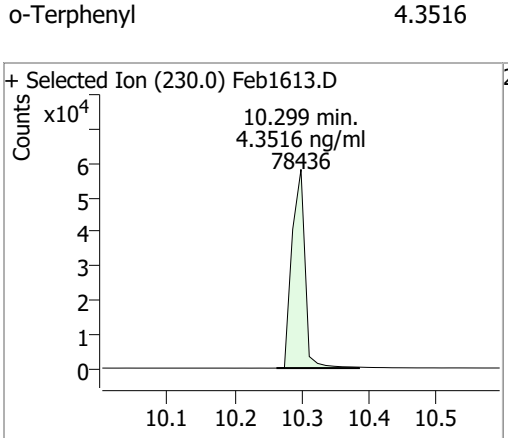
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	4.4601	9.85	0.00	127350	176.0	17.2	12.0	22.3

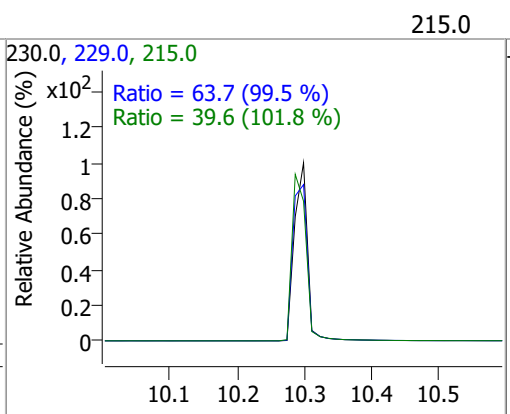


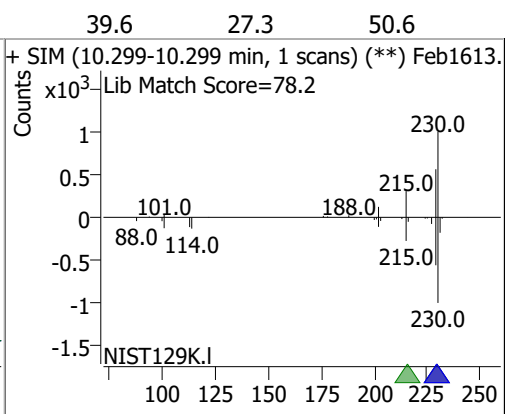




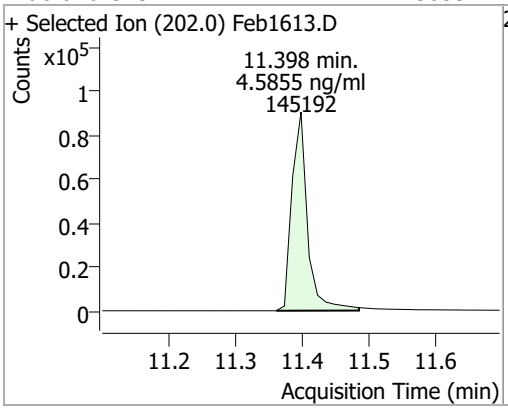
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	4.3516	10.30	0.00	78436	229.0	63.7	44.8	83.1
					215.0	39.6	27.3	50.6

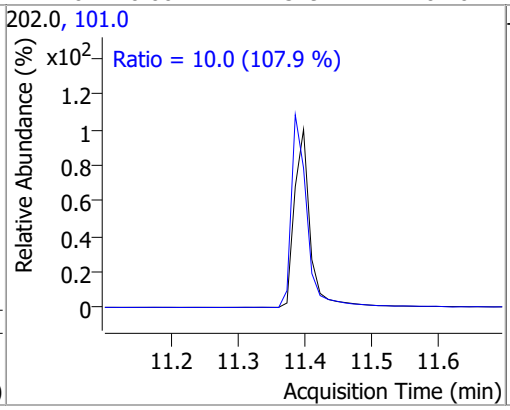


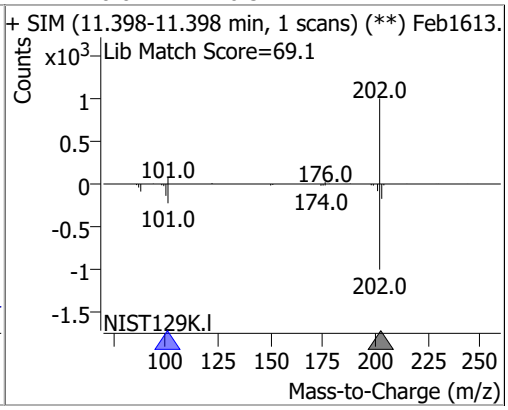




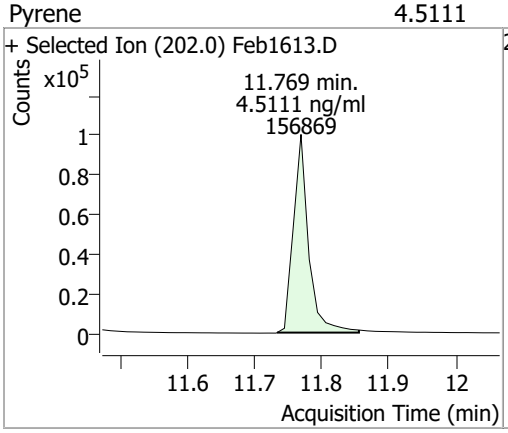
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	4.5855	11.40	0.00	145192	101.0	10.0	6.5	12.1

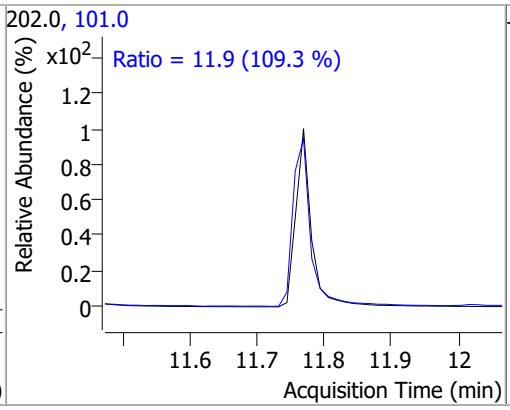


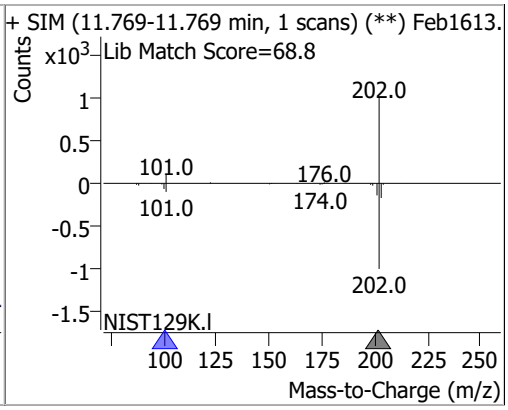




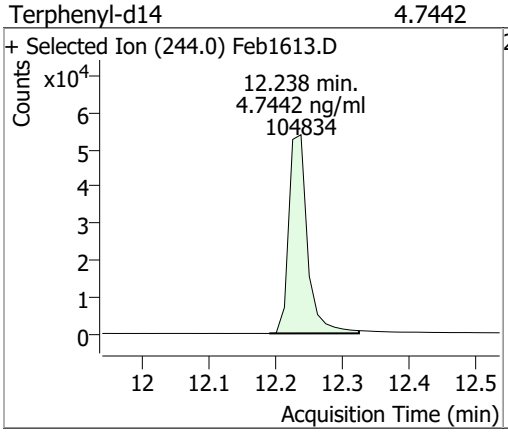
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	4.5111	11.77	0.00	156869	101.0	11.9	7.6	14.2

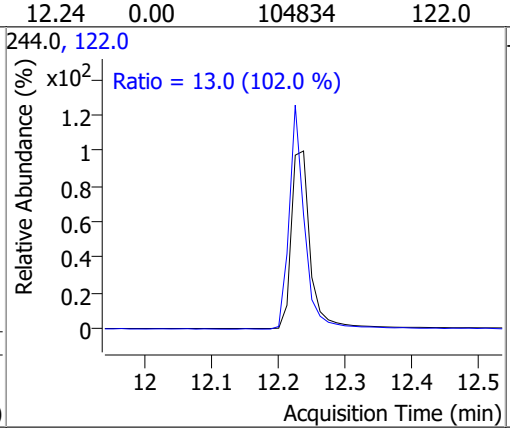


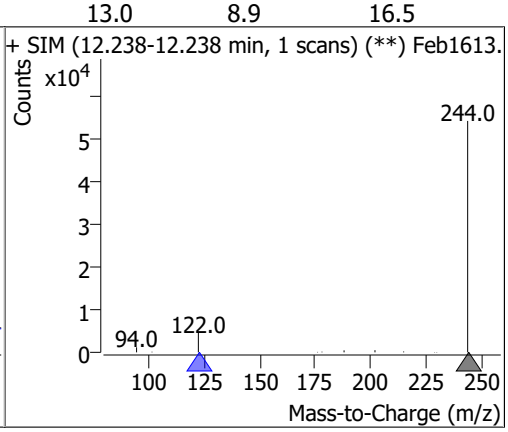




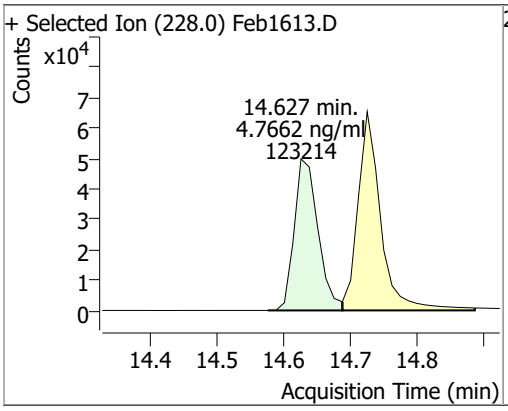
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	4.7442	12.24	0.00	104834	122.0	13.0	8.9	16.5

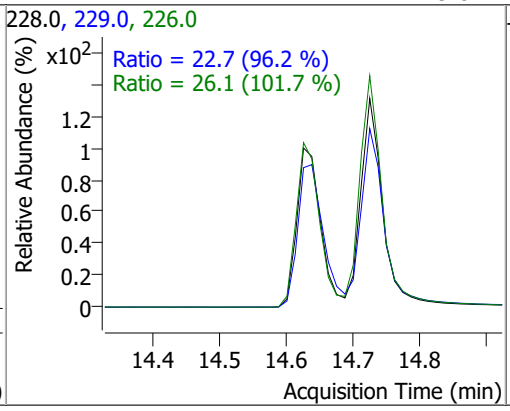


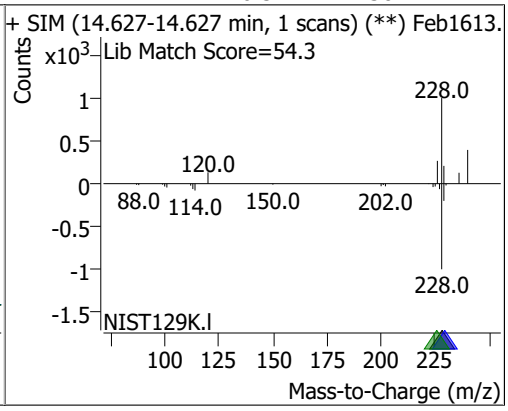




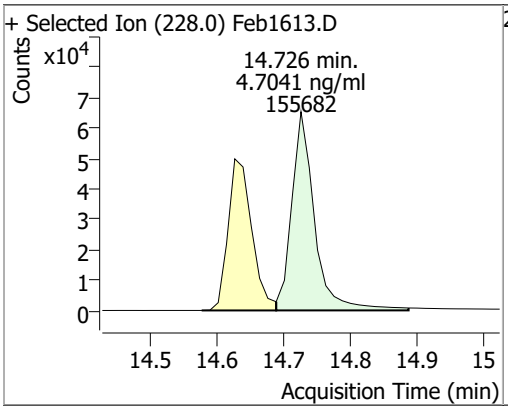
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	4.7662	14.63	0.00	123214	226.0	26.1	18.0	33.4
					229.0	22.7	16.5	30.7

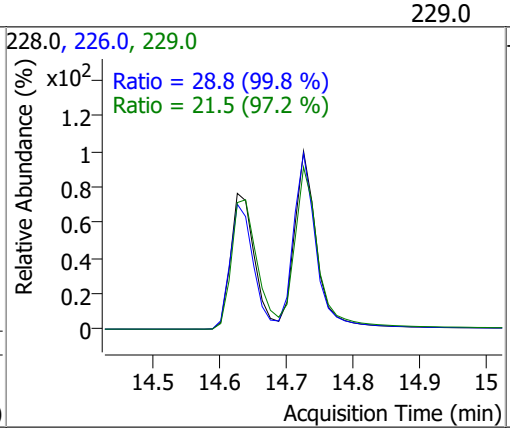


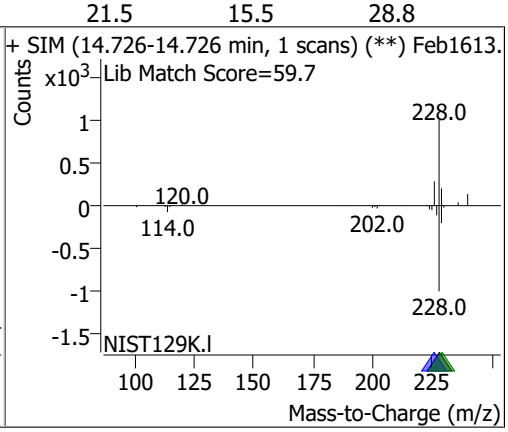




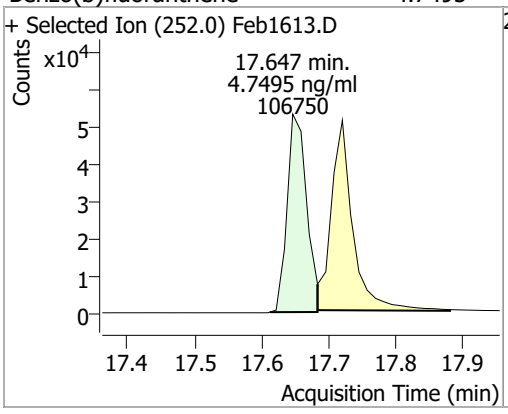
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	4.7041	14.73	0.00	155682	226.0	28.8	20.2	37.5
					229.0	21.5	15.5	28.8

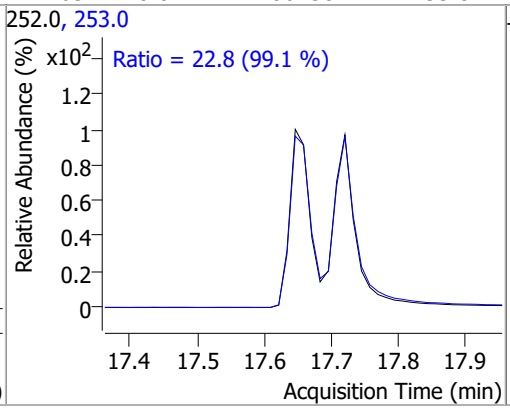


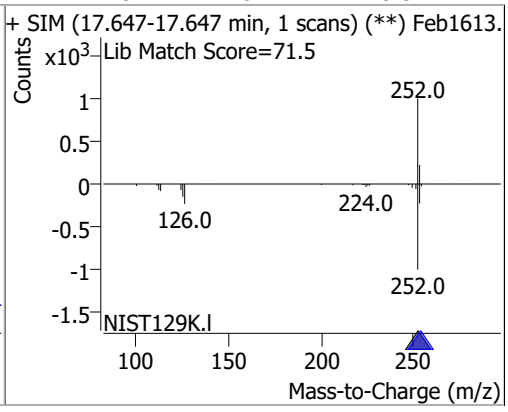




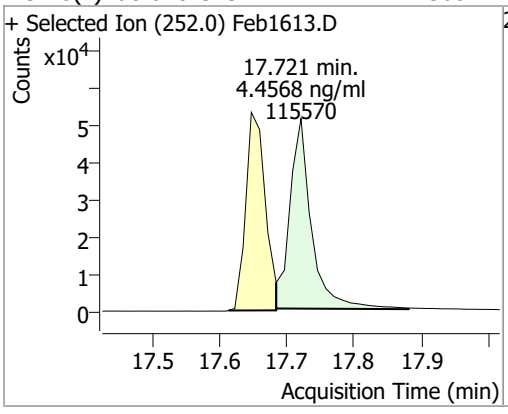
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	4.7495	17.65	-0.01	106750	253.0	22.8	16.1	29.9

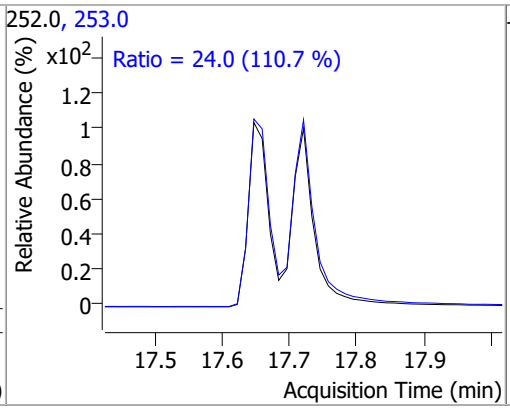


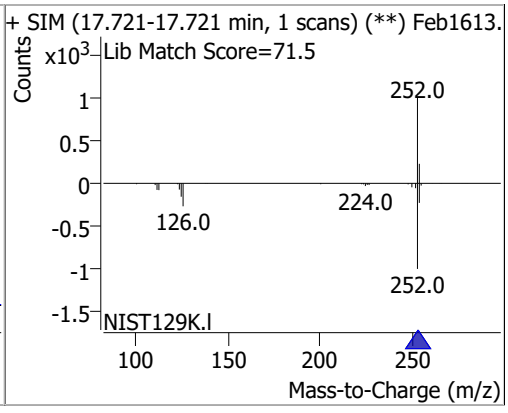




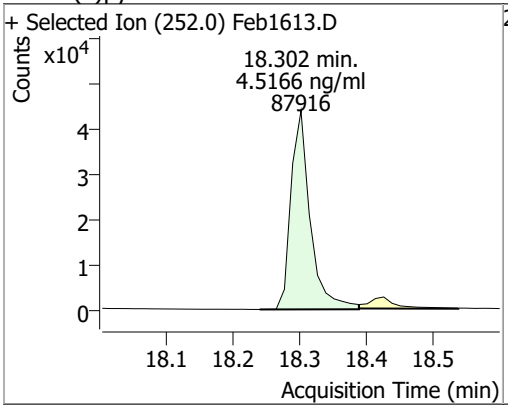
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	4.4568	17.72	0.00	115570	253.0	24.0	15.2	28.2

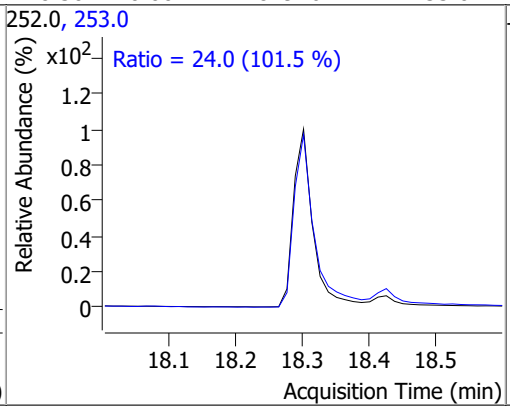


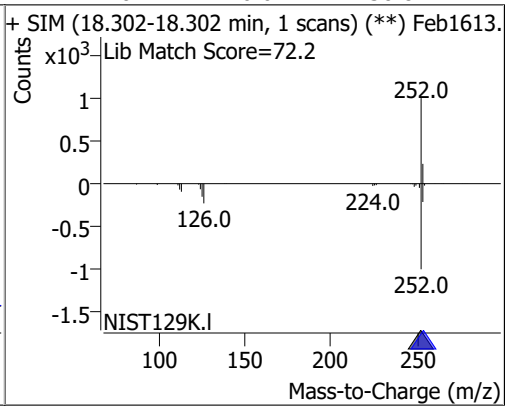




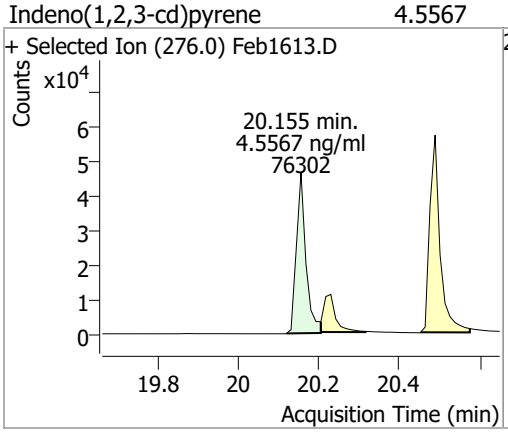
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	4.5166	18.30	0.00	87916	253.0	24.0	16.6	30.8

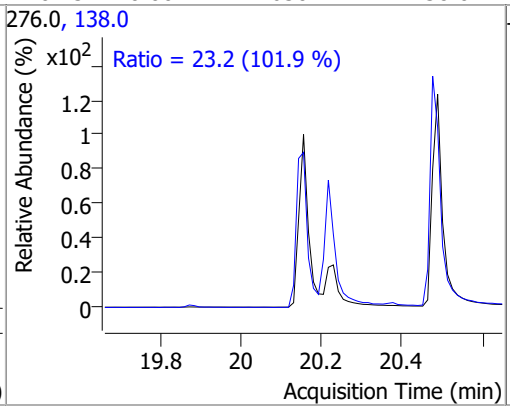


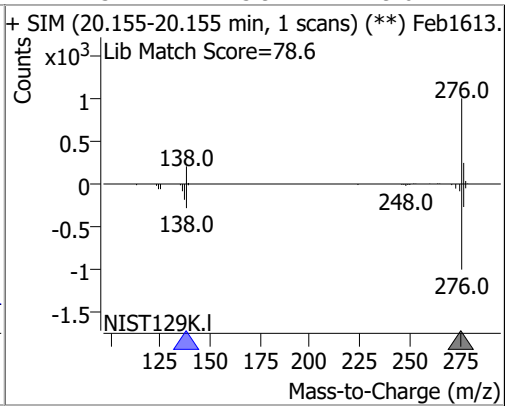




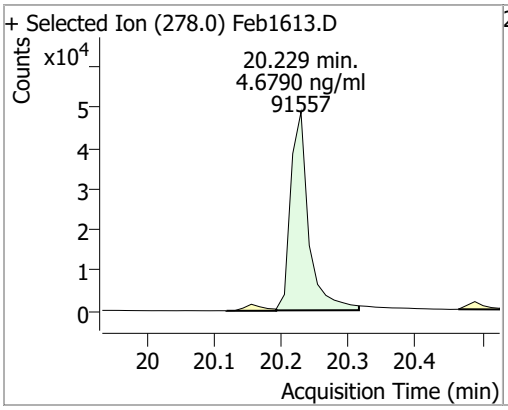
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	4.5567	20.15	0.00	76302	138.0	23.2	15.9	29.6

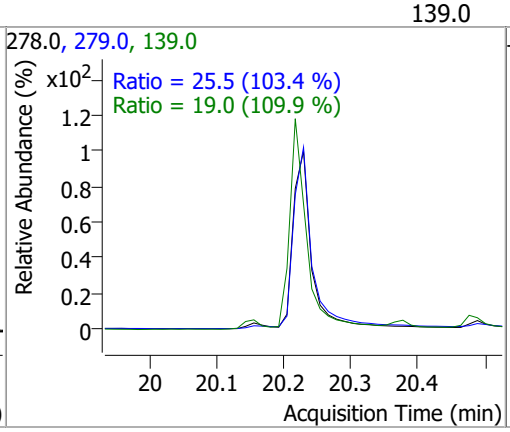


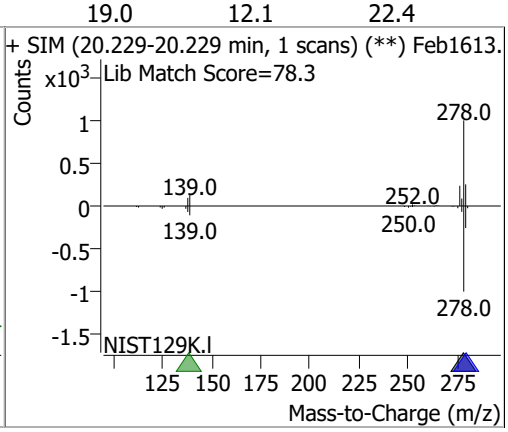




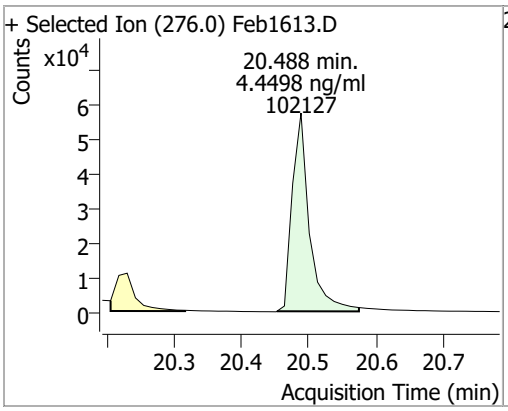
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	4.6790	20.23	0.00	91557	279.0	25.5	17.3	32.0
					139.0	19.0	12.1	22.4

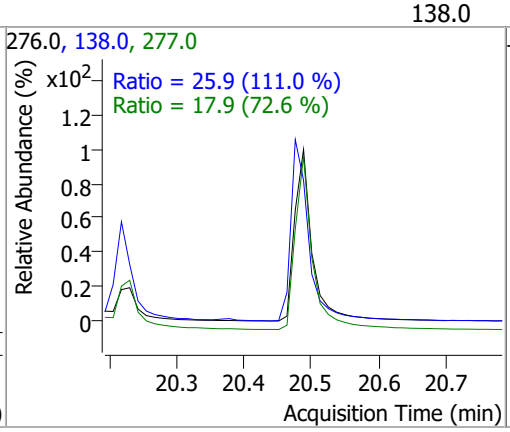


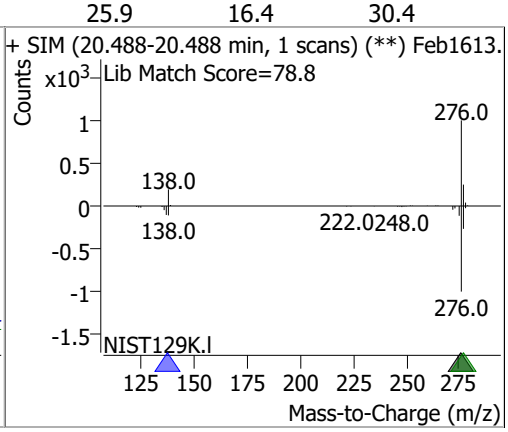




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	4.4498	20.49	0.00	102127	277.0	17.9	17.2	32.0
					138.0	25.9	16.4	30.4

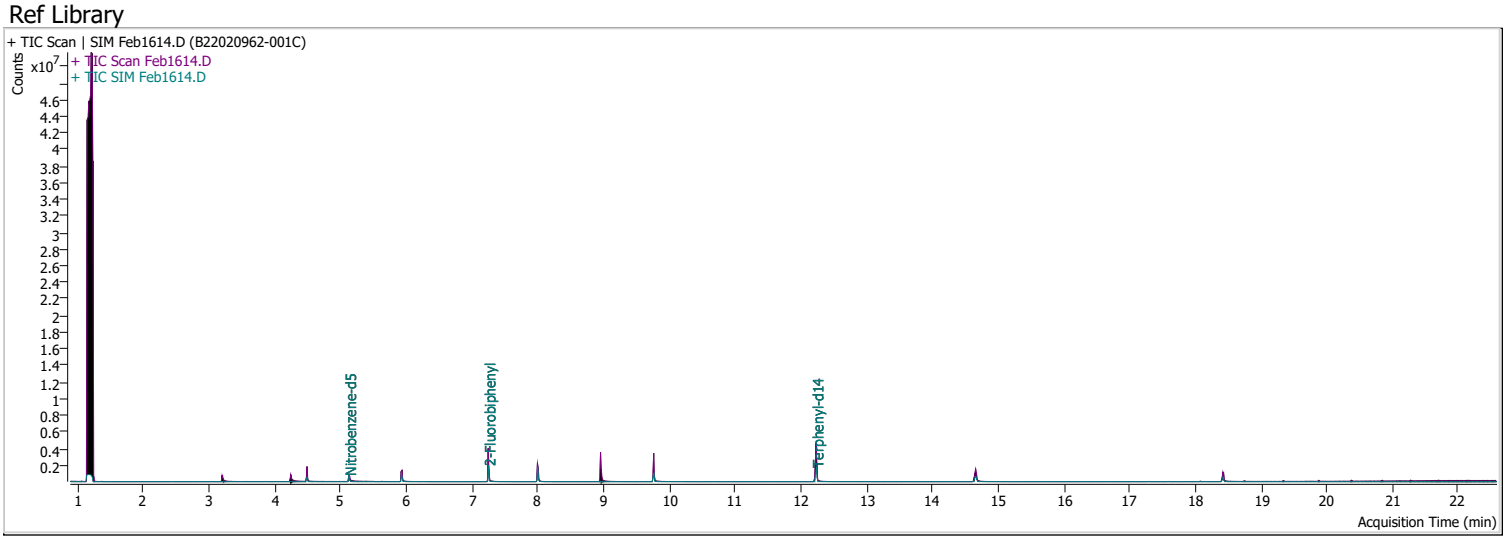






Quantitation Results Report (QT Reviewed)

Data File	Feb1614.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 7:33:12 PM
Sample Name	B22020962-001C	Instrument	GCMS
Vial	14	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			



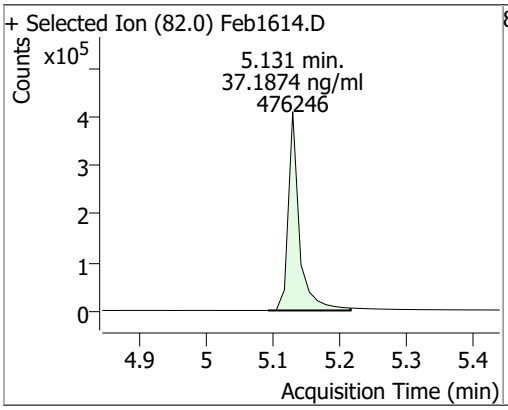
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	244705	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1023652	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.000	164.0	696234	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1325286	40.0000	ng/ml		0.000
M Chrysene-d12	14.664	240.0	993401	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	626138	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.131	82.0	476246	37.1874	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 743.75%		*	
S 2-Fluorobiphenyl	7.252	172.0	1318747	34.0962	ng/ml		-0.013
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 681.92%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.238	244.0	2131280	54.3939	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1087.88%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.025	154.0	0		ng/ml	md	1
T Fluorene	8.960	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.664	228.0	0		ng/ml	md	1
T Chrysene	14.726	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

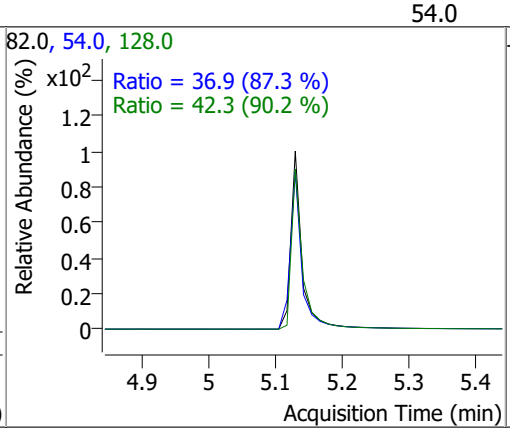
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.425	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

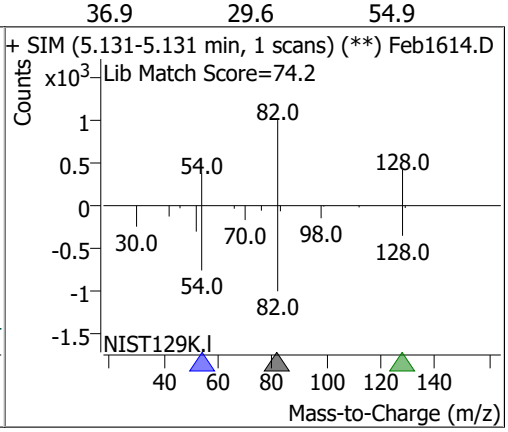
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (QT Reviewed)

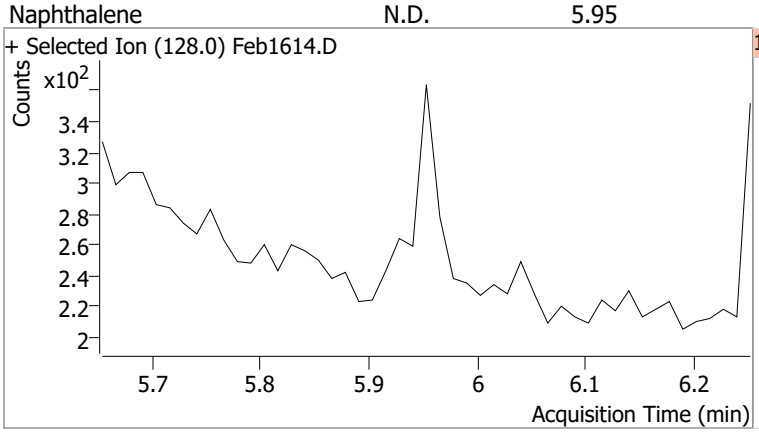
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	37.1874	5.13	-0.01	476246	128.0	42.3	32.9	61.0
					54.0	36.9	29.6	54.9

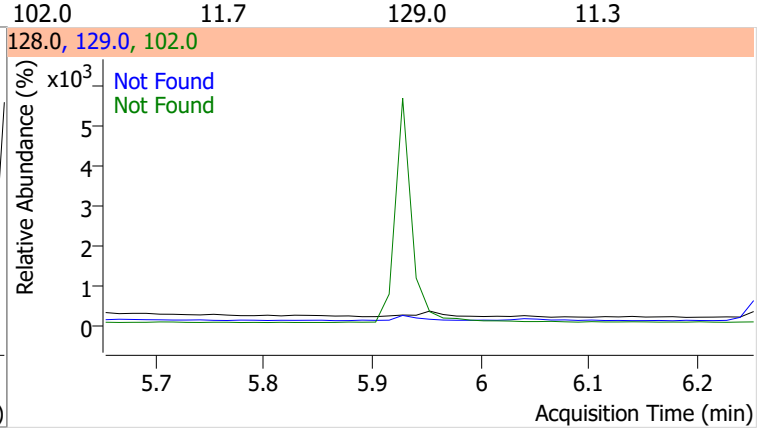




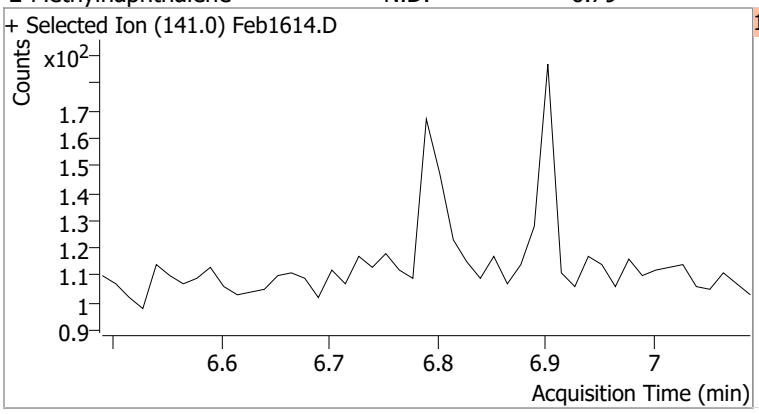


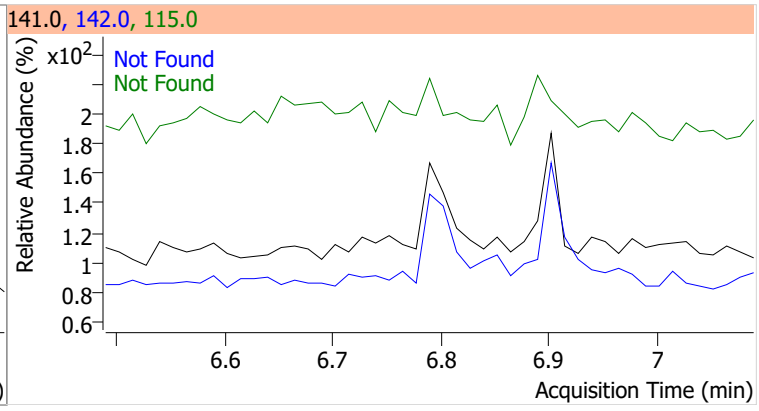
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.95	102.0	11.7	129.0	11.3



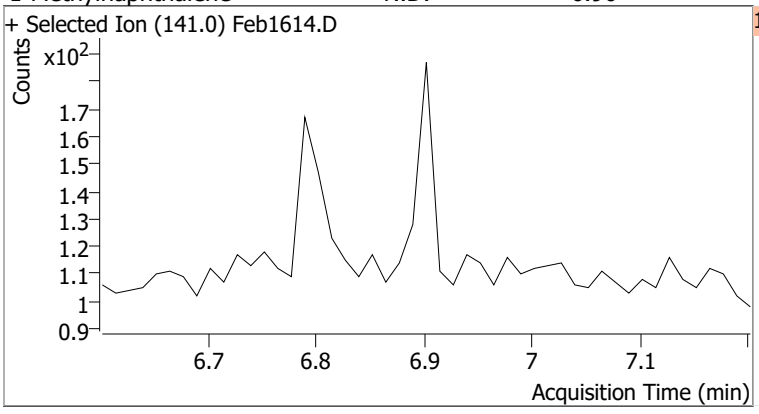


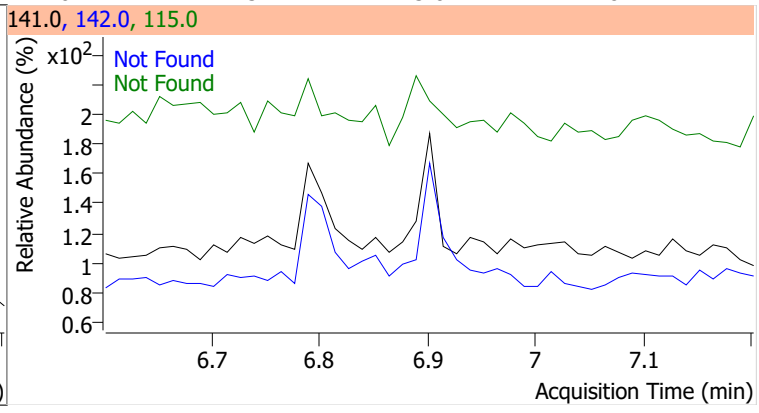
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.79	142.0	137.8	115.0	47.4



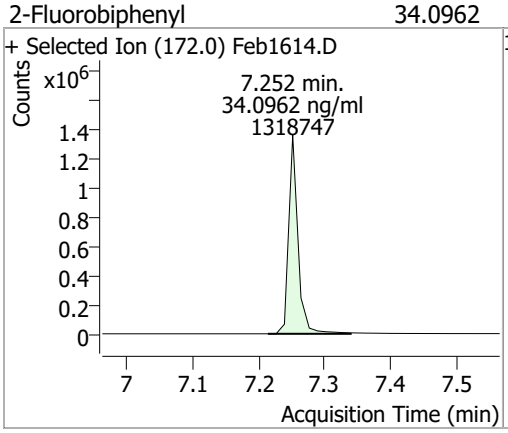


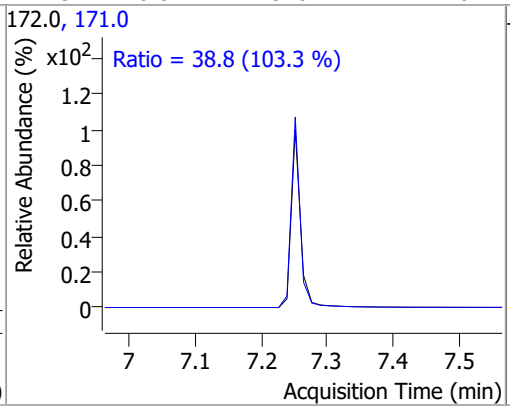
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.90	142.0	117.5	115.0	47.8

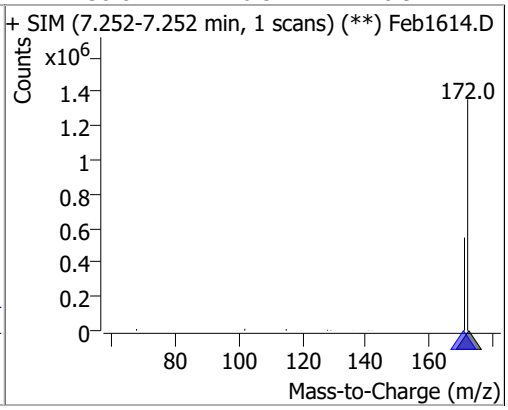




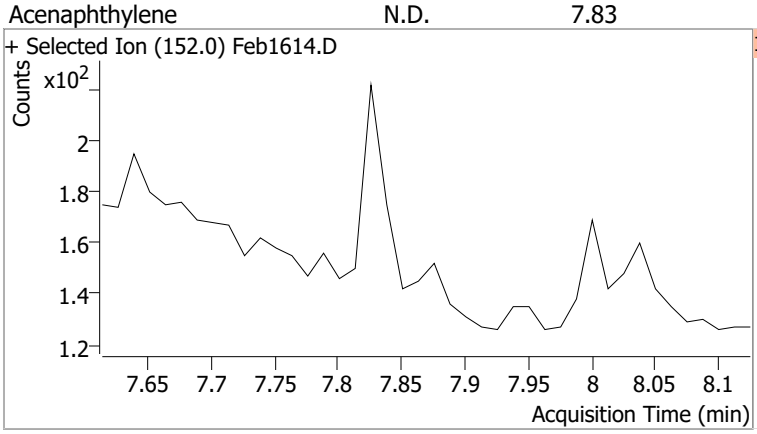
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	34.0962	7.25	-0.01	1318747	171.0	38.8	26.3	48.9

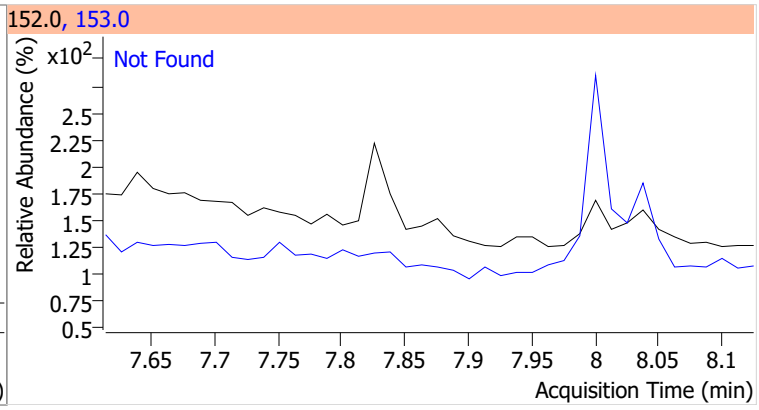




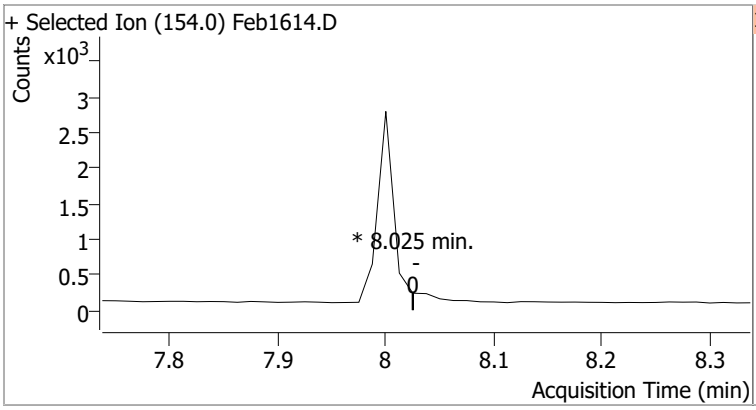


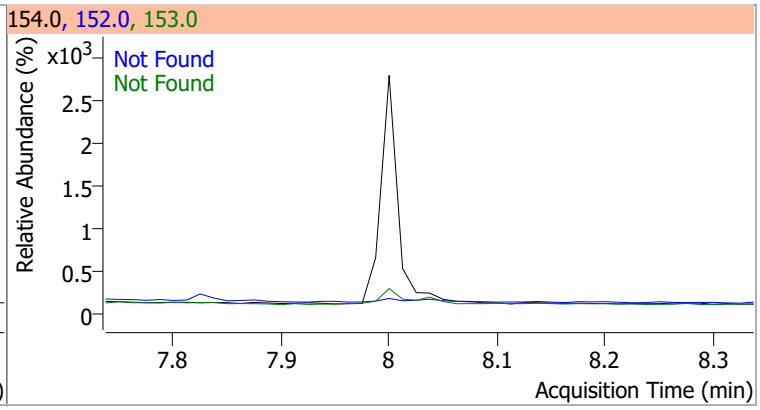
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	16.9



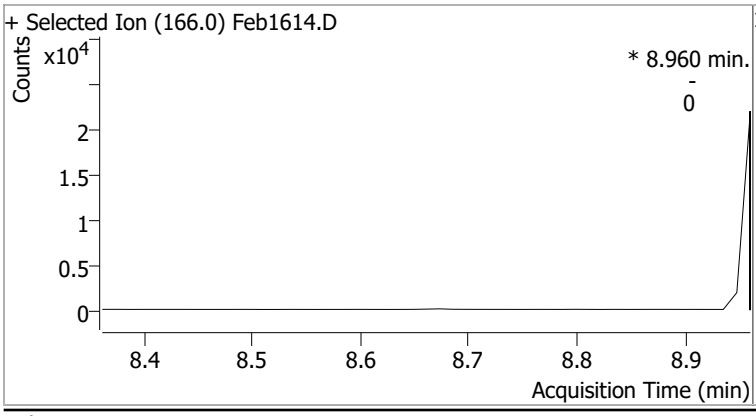


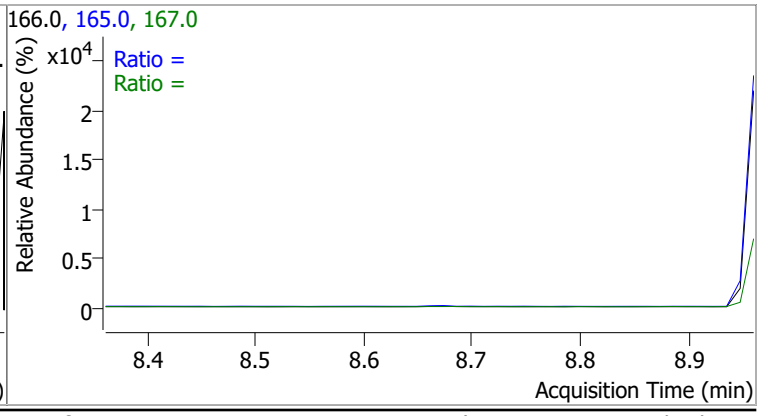
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		78.7	146.2
					152.0		36.5	67.8



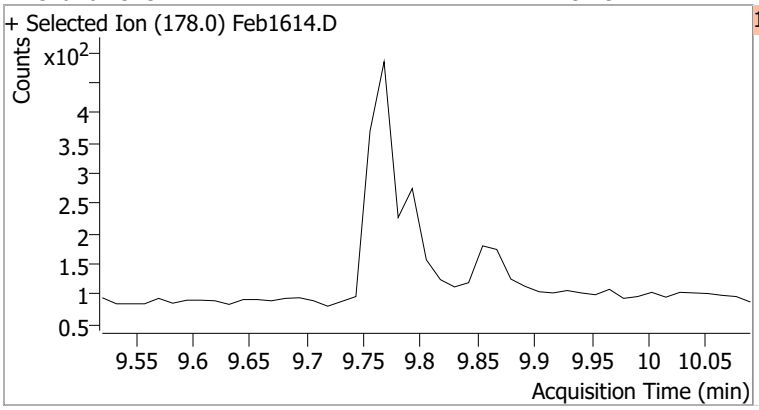


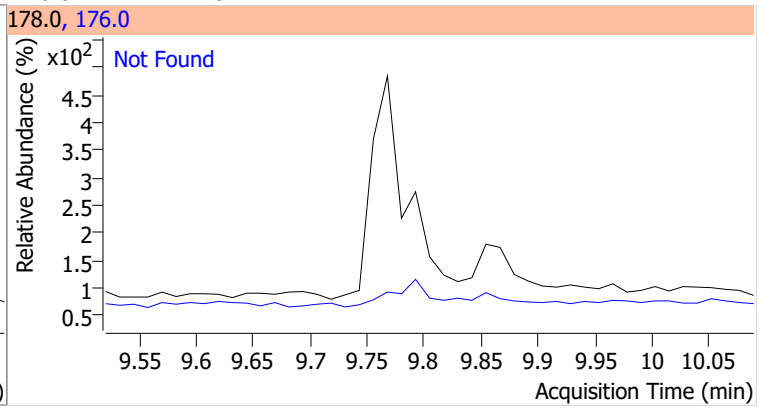
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		68.8	127.8
					167.0		7.2	13.4



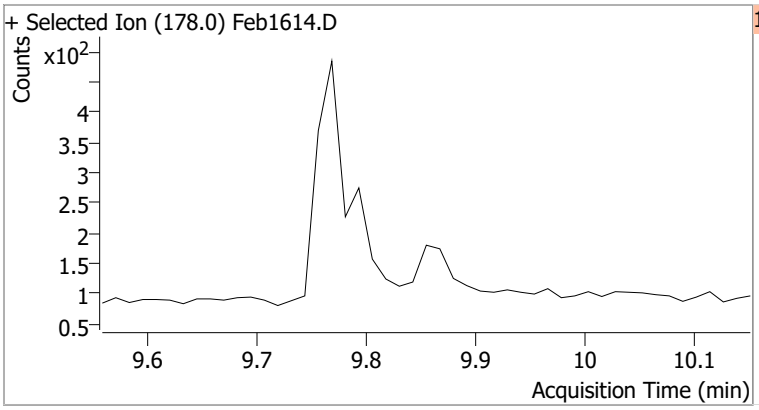


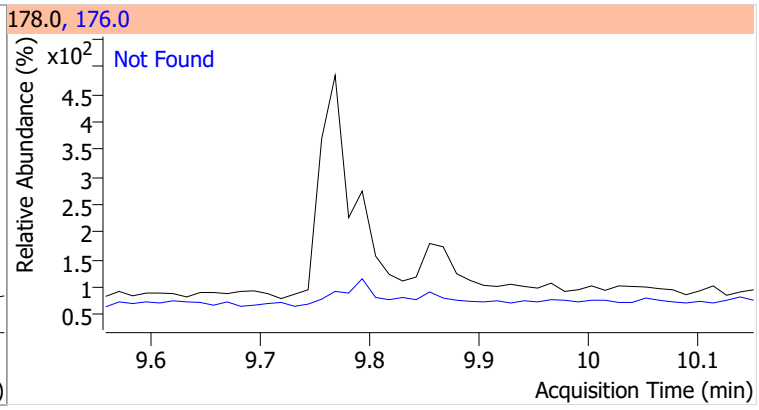
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.1



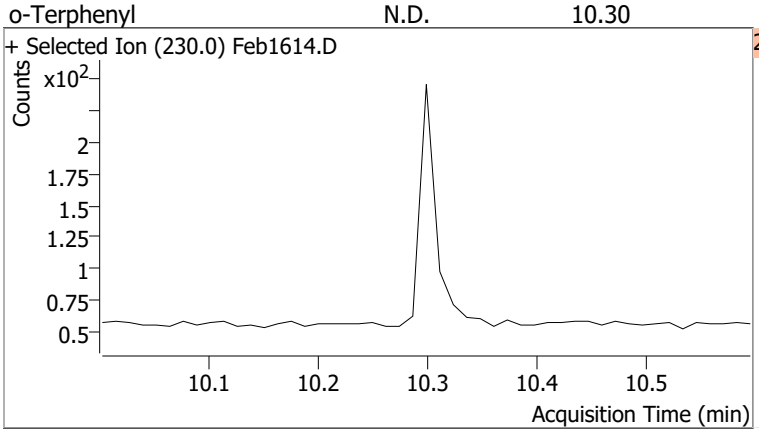


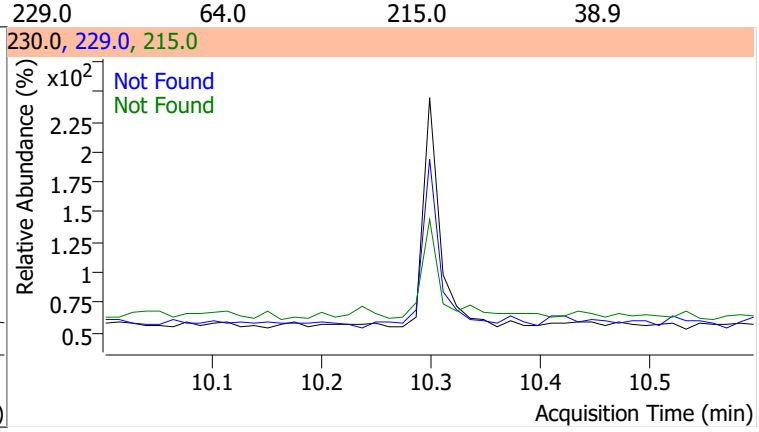
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.85	176.0	17.1



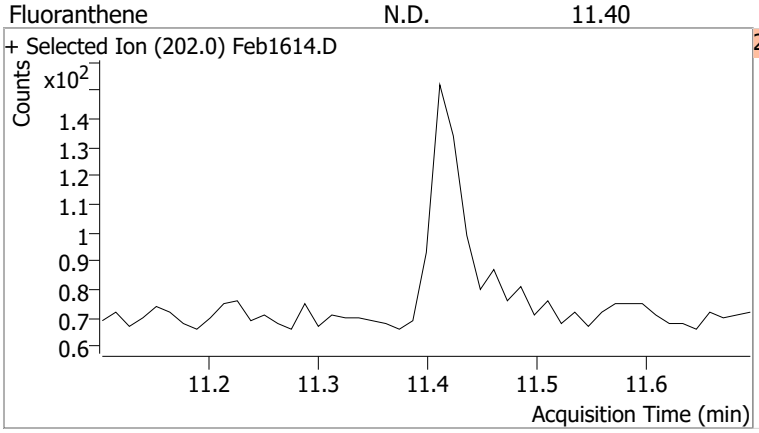


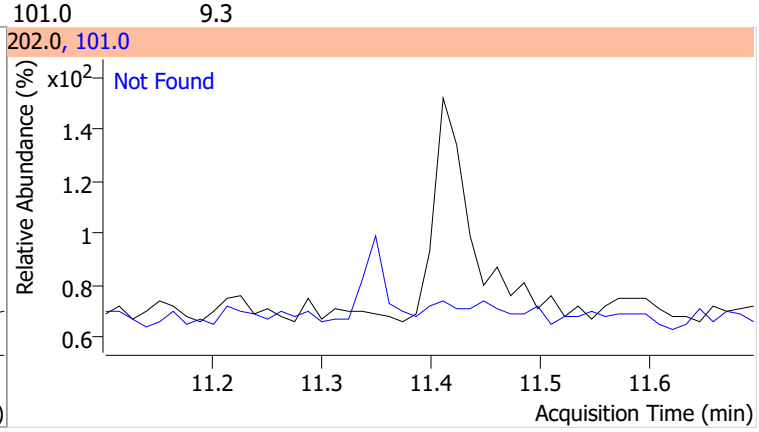
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.30	229.0	64.0	215.0	38.9



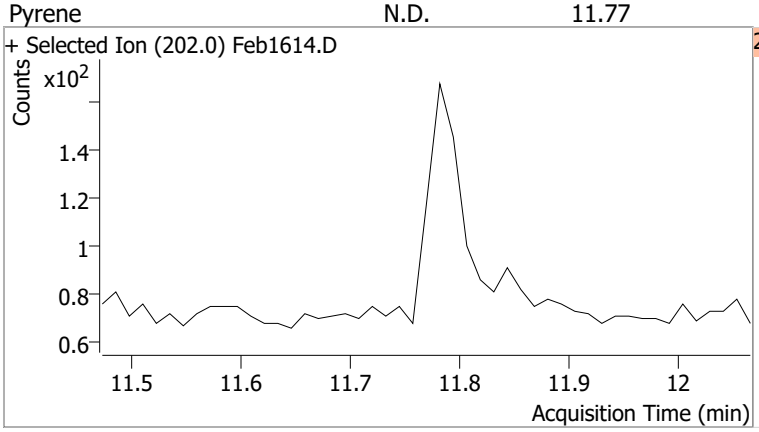


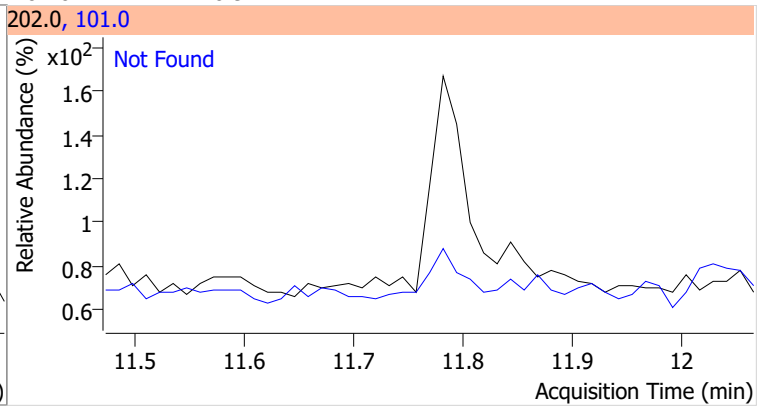
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.40	101.0	9.3



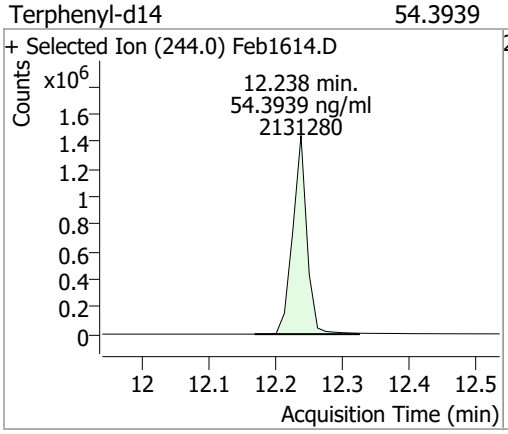


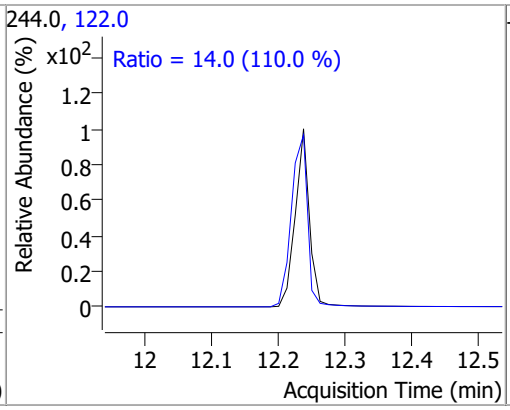
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.77	101.0	10.9

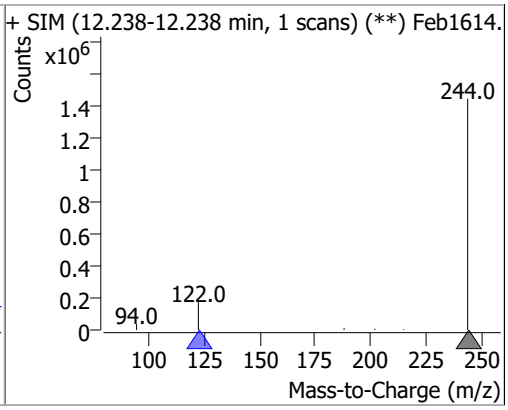




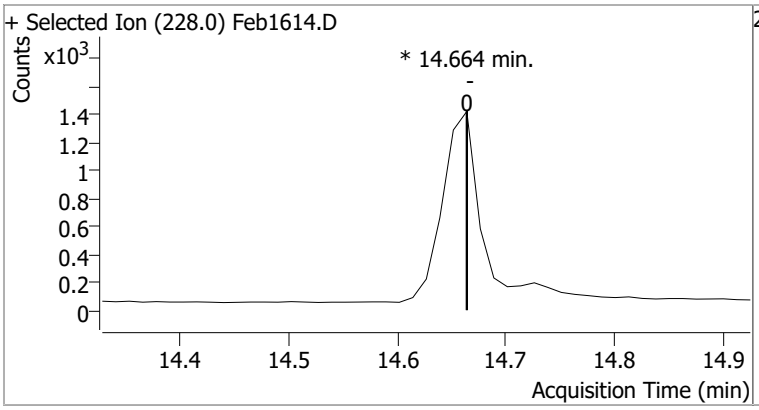
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	54.3939	12.24	0.00	2131280	122.0	14.0	8.9	16.5

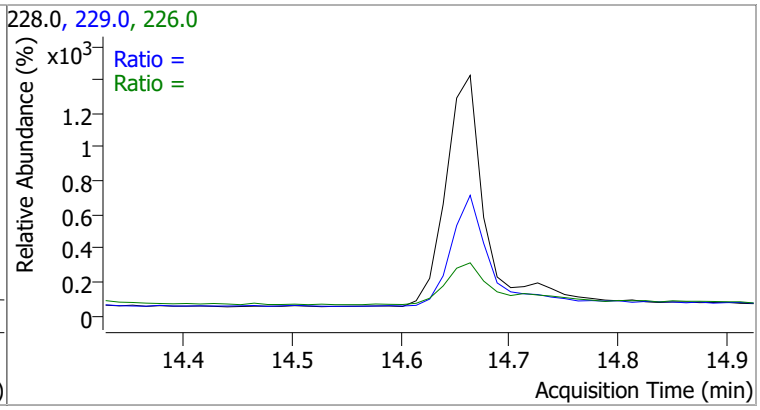




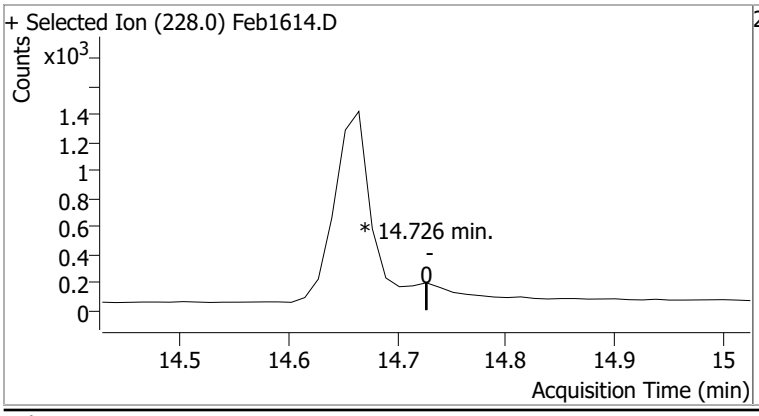


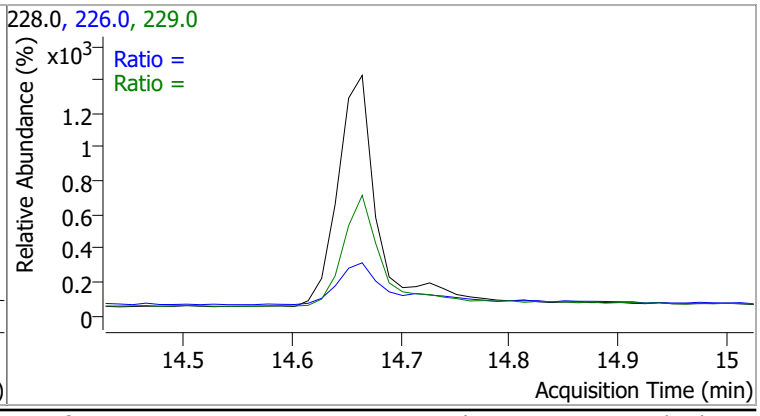
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.0	33.4
					229.0		16.5	30.7



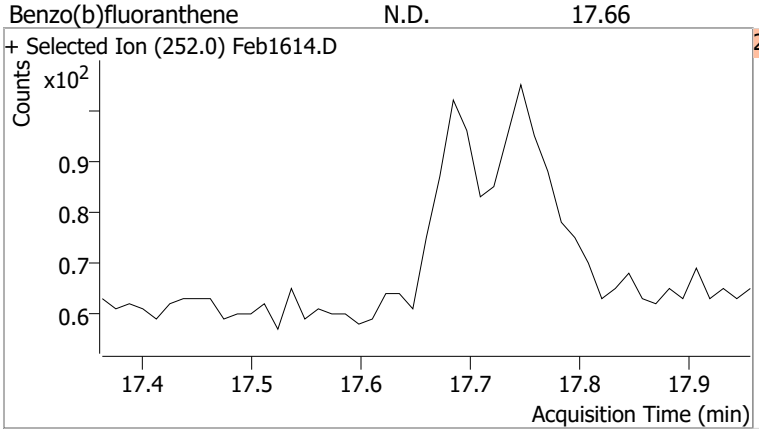


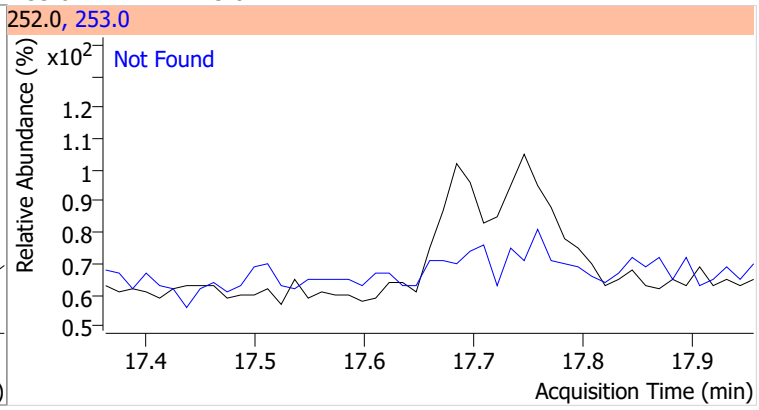
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		20.2	37.5
					229.0		15.5	28.8



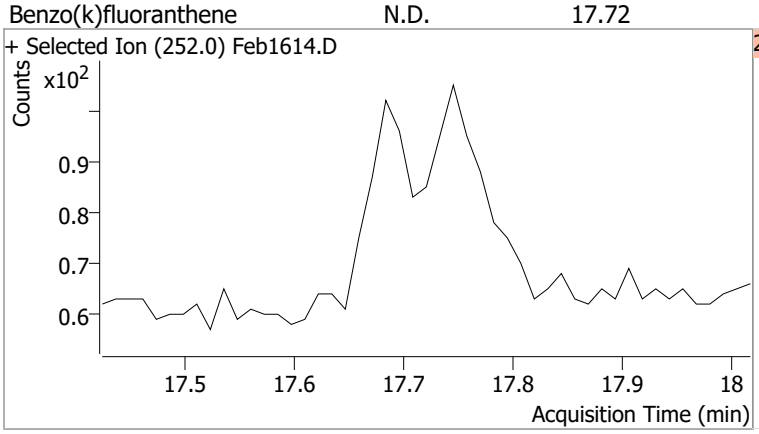


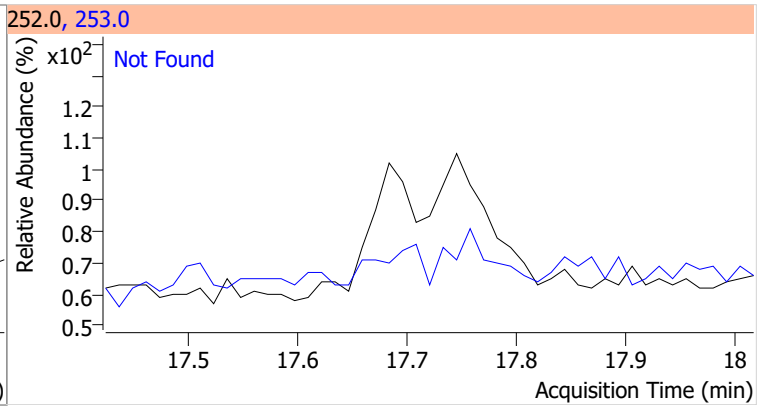
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.66	253.0	23.0



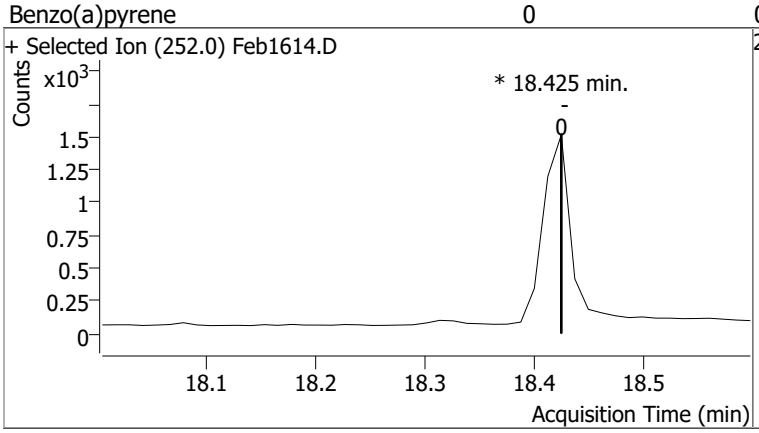


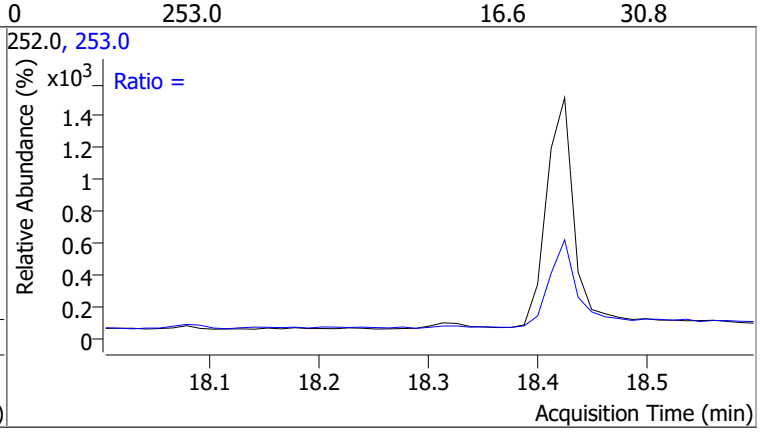
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.72	253.0	21.7



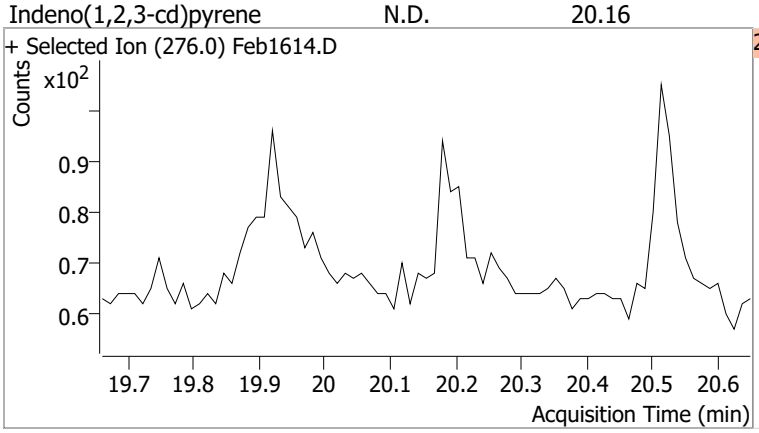


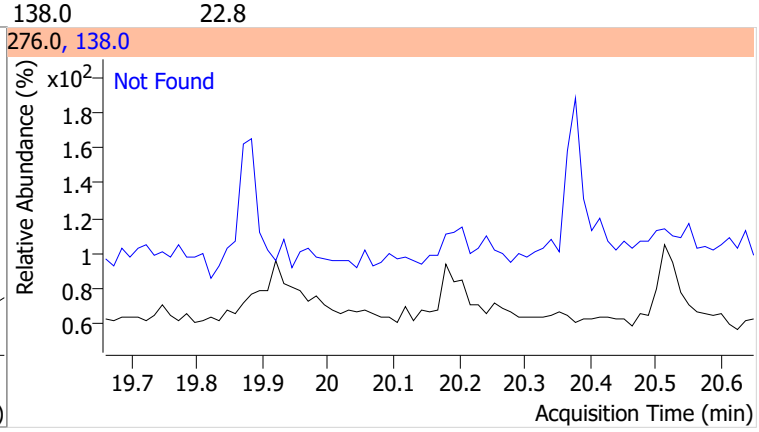
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.6	30.8



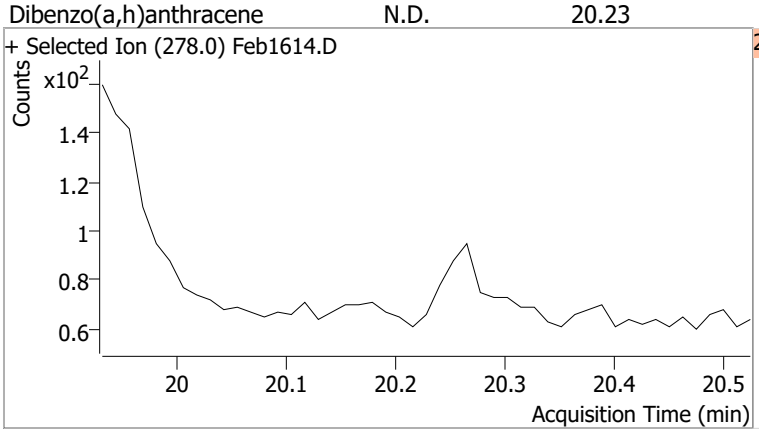


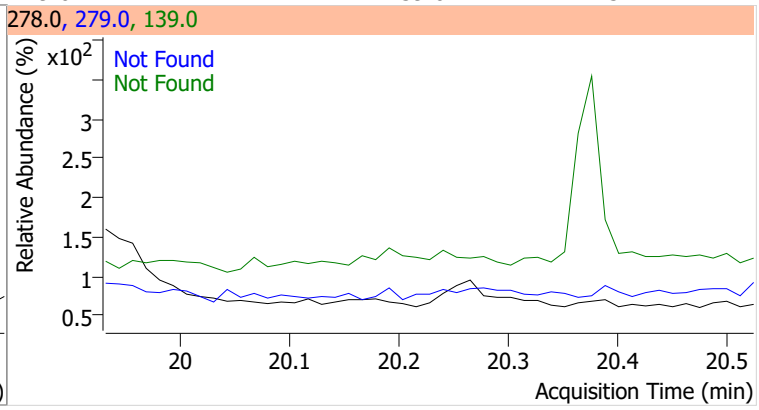
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.16	138.0	22.8



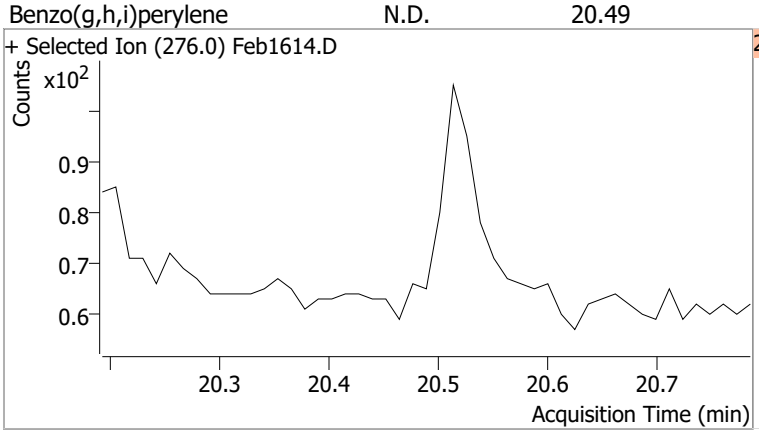


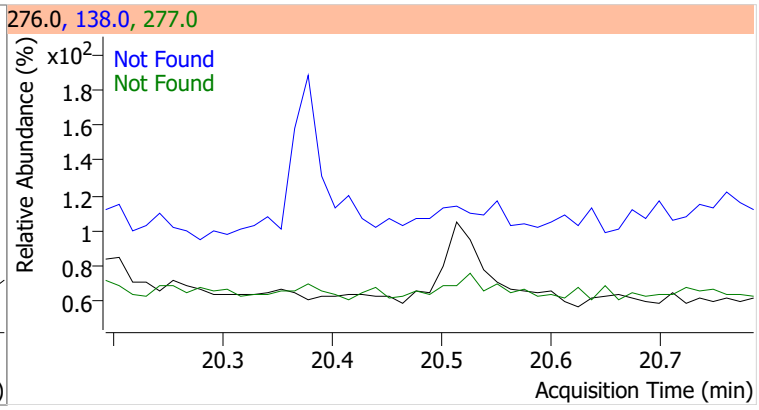
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.7	139.0	17.3





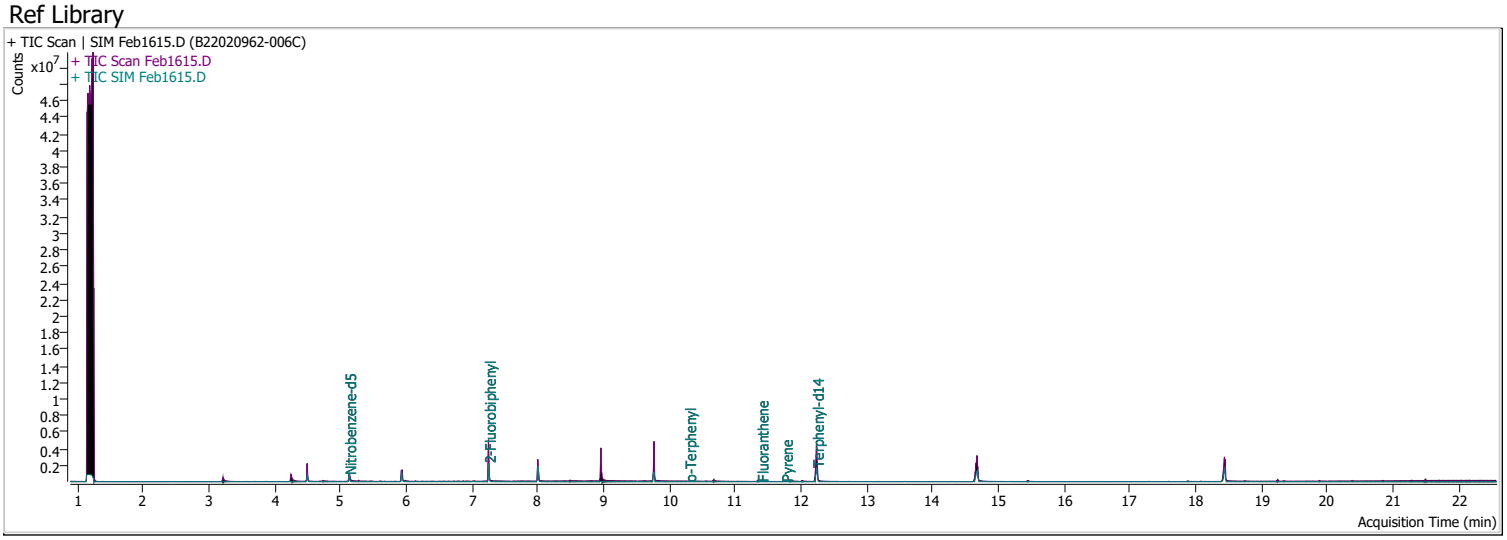
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.6	138.0	23.4





Quantitation Results Report (QT Reviewed)

Data File	Feb1615.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 8:05:33 PM
Sample Name	B22020962-006C	Instrument	GCMS
Vial	15	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

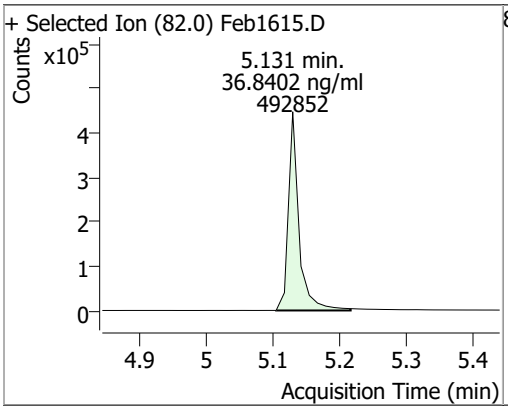


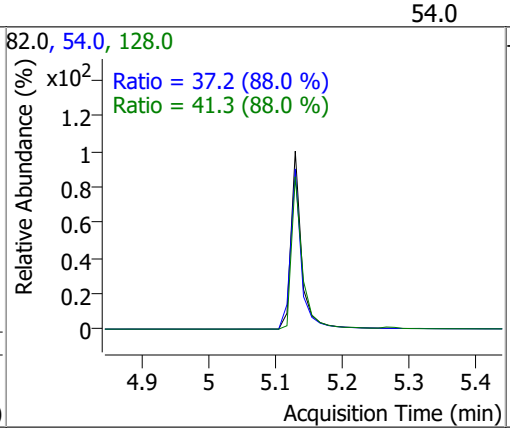
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	257178	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1027949	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.001	164.0	670918	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1596444	40.0000	ng/ml		0.000
M Chrysene-d12	14.677	240.0	2111188	40.0000	ng/ml		0.013
M Perylene-d12	18.438	264.0	1821690	40.0000	ng/ml		0.012
System Monitoring Compounds							
S Nitrobenzene-d5	5.131	82.0	492852	36.8402	ng/ml		-0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 736.80%		*	
S 2-Fluorobiphenyl	7.252	172.0	1435590	36.8320	ng/ml		-0.012
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 736.64%		*	
S o-Terphenyl	10.299	230.0	1882	0.0388	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 0.78%		*	
S Terphenyl-d14	12.238	244.0	2103063	32.2202	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 644.40%		*	
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	0		ng/ml	md	1
T 2-Methylnaphthalene	6.790	141.0	0		ng/ml	md	1
T 1-Methylnaphthalene	6.902	141.0	0		ng/ml	md	1
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.038	154.0	0		ng/ml	md	1
T Fluorene	8.661	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	9.855	178.0	0		ng/ml	md	1
T Fluoranthene	11.399	202.0	4557	0.0887	ng/ml		98
T Pyrene	11.769	202.0	4827	0.0351	ng/ml	m	99
T Benzo(a)Anthracene	14.677	228.0	0		ng/ml	md	1
T Chrysene	14.727	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

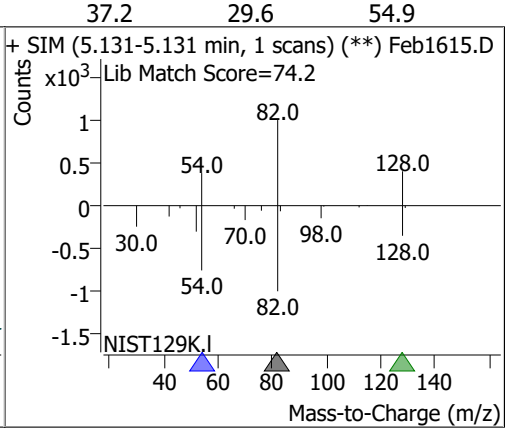
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.314	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

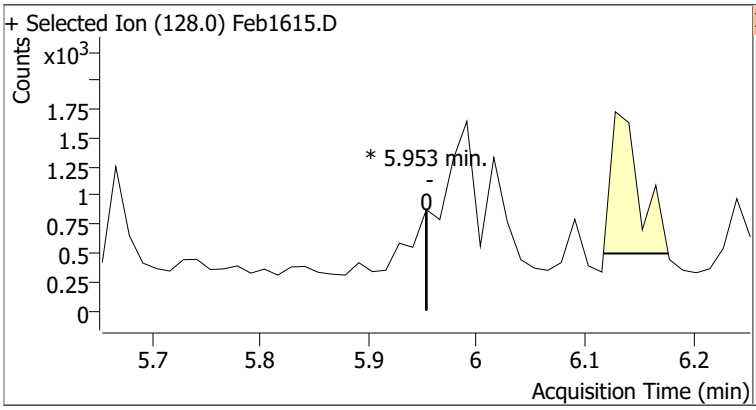
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	36.8402	5.13	-0.01	492852	128.0	41.3	32.9	61.0
					54.0	37.2	29.6	54.9

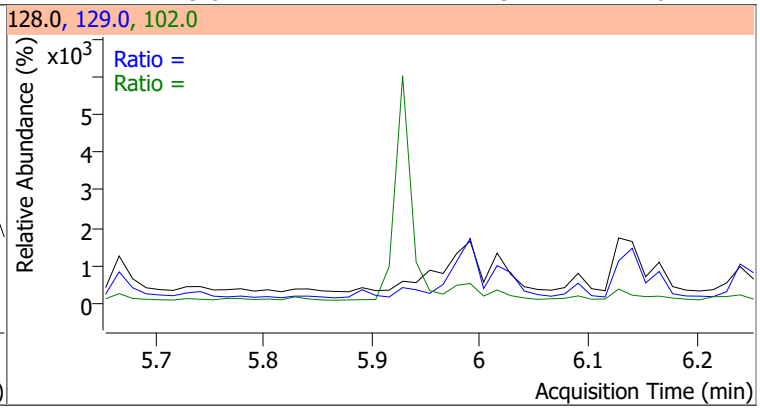




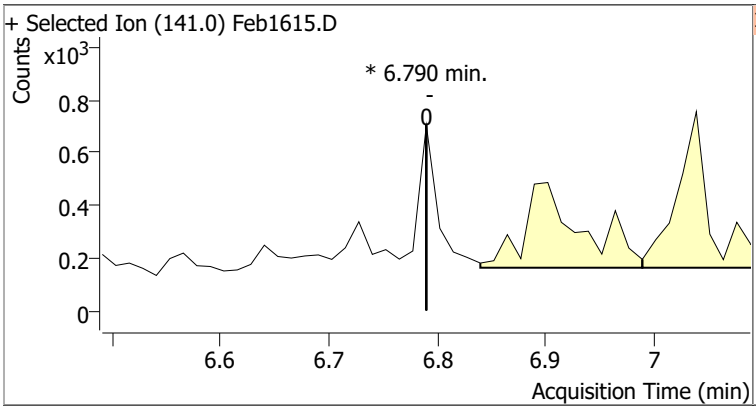


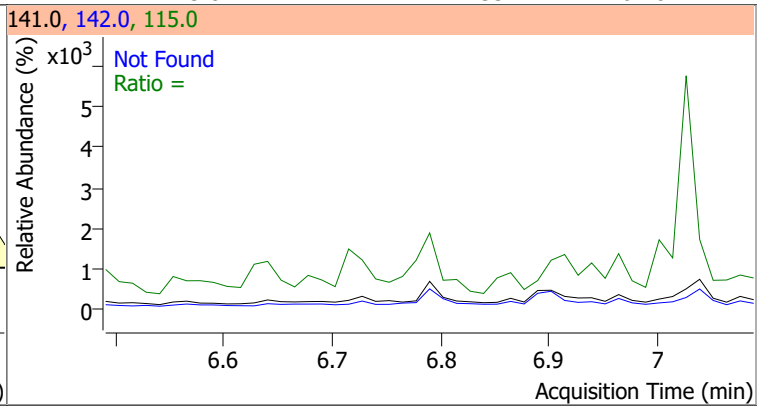
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene		0		0	102.0		0.0	35.2
					129.0		7.9	14.6



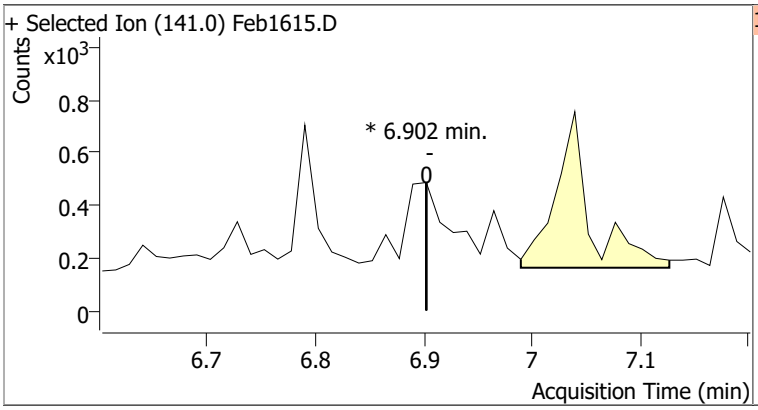


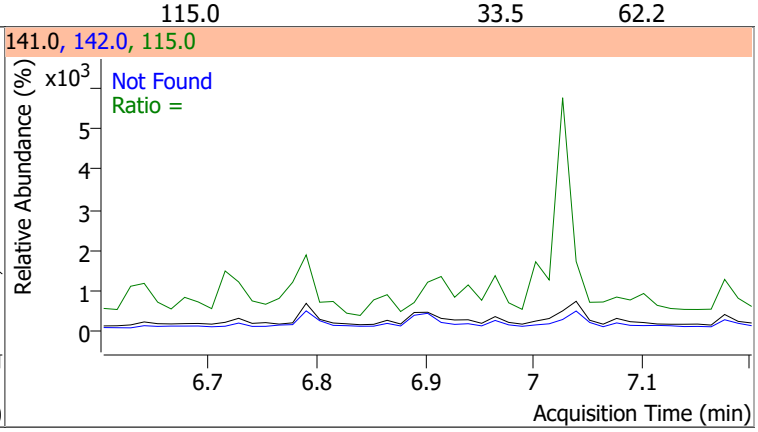
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene		0		0	142.0		96.5	179.2
					115.0		33.2	61.6



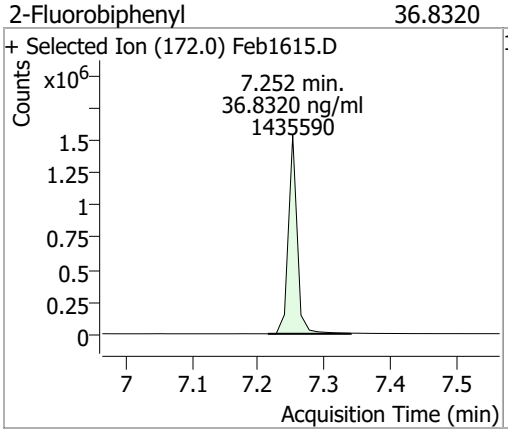


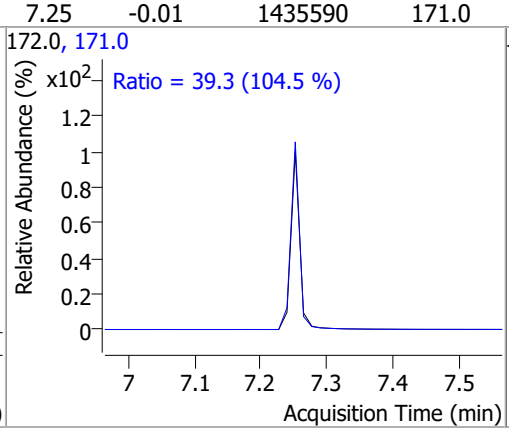
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene		0		0	142.0		82.3	152.8
					115.0		33.5	62.2

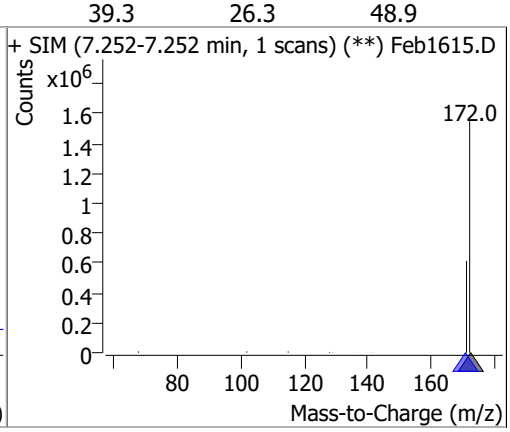




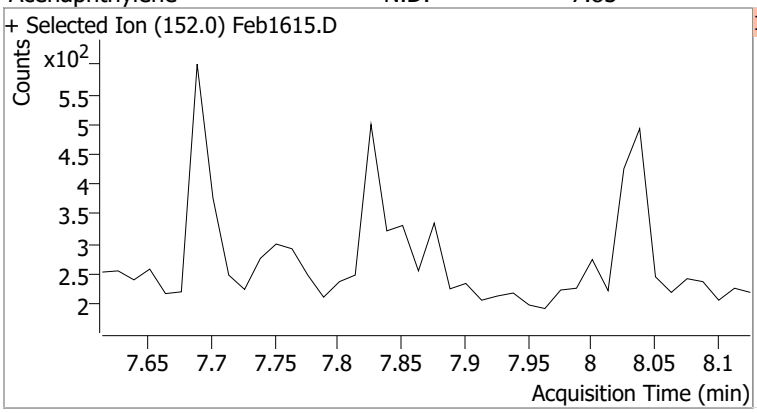
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	36.8320	7.25	-0.01	1435590	171.0	39.3	26.3	48.9

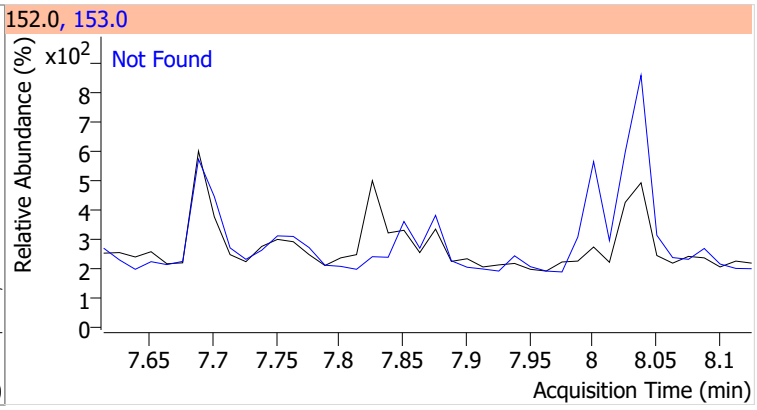




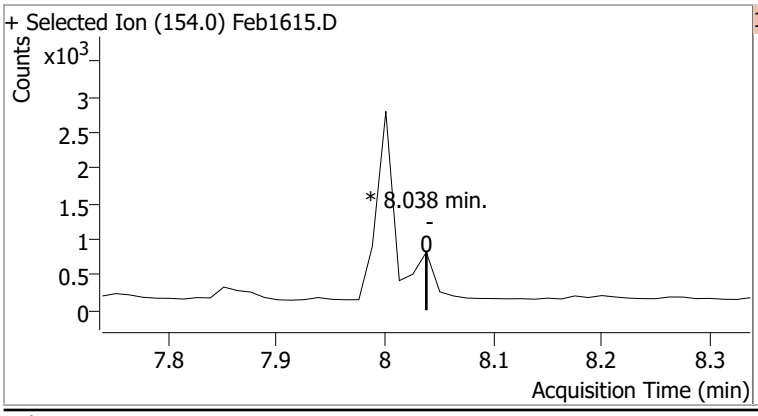


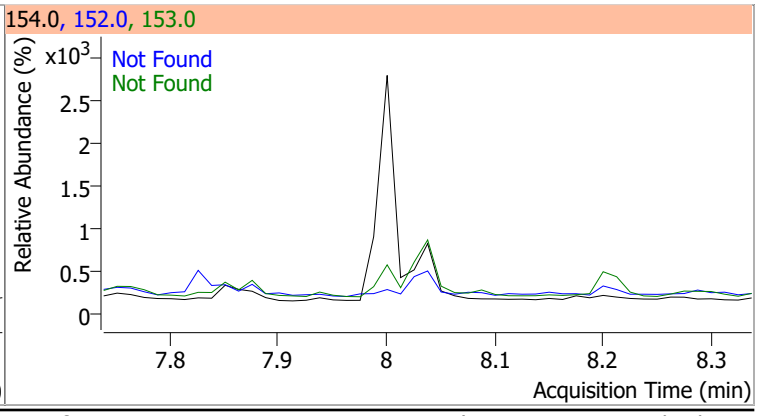
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	16.9



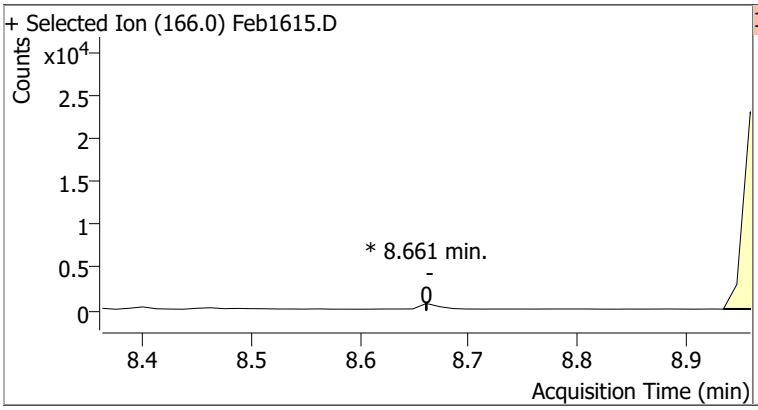


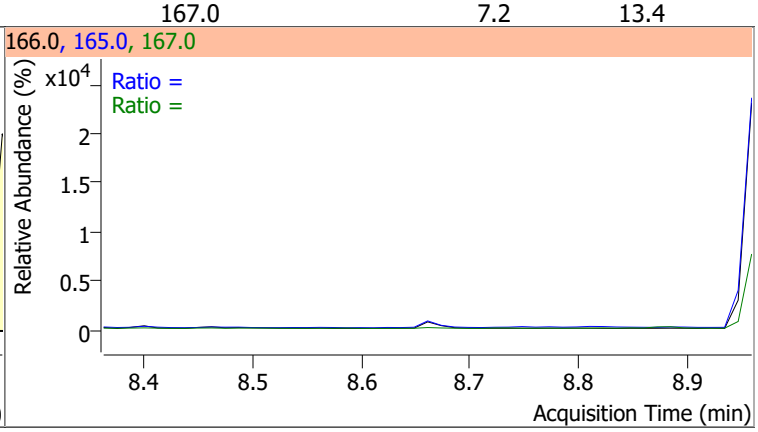
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		78.7	146.2
					152.0		36.5	67.8



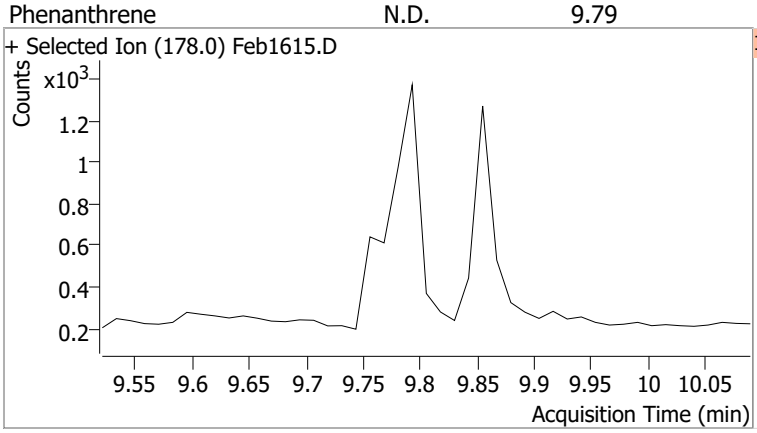


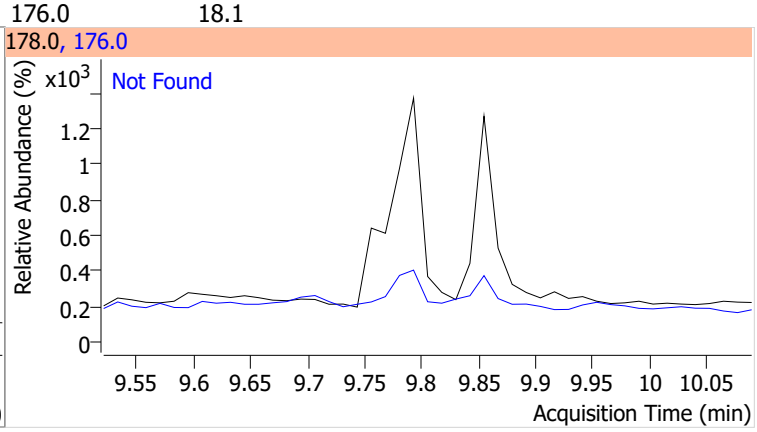
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		68.8	127.8
					167.0		7.2	13.4



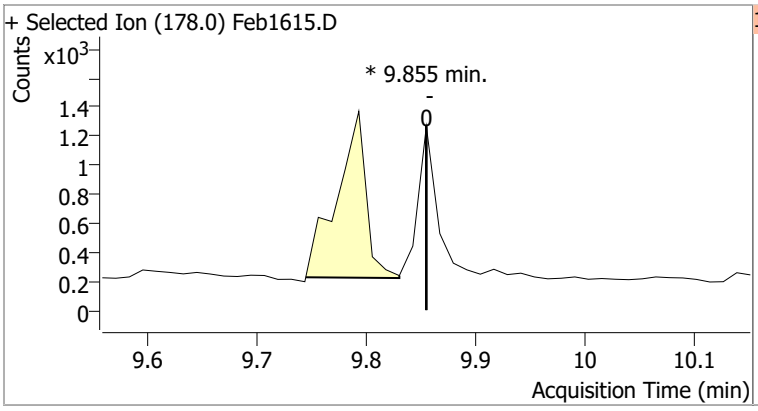


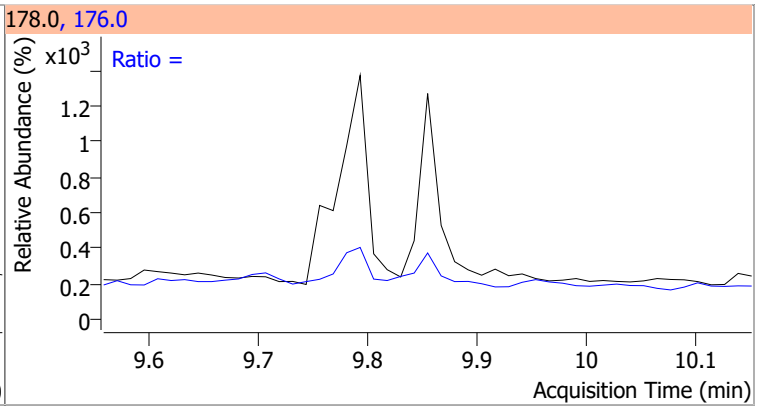
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.1



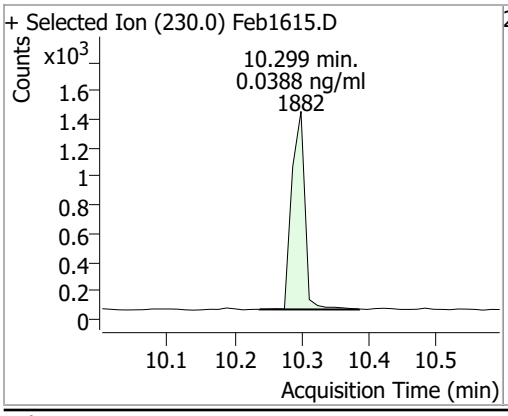


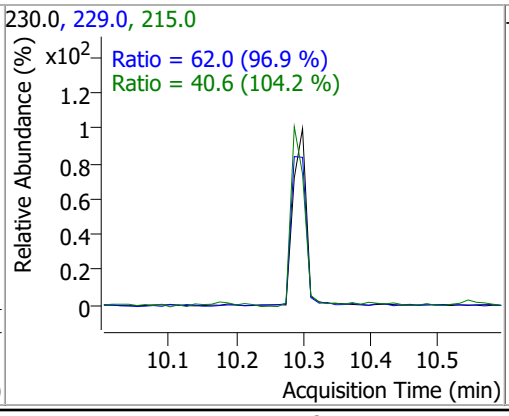
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene		0		0	176.0		12.0	22.3

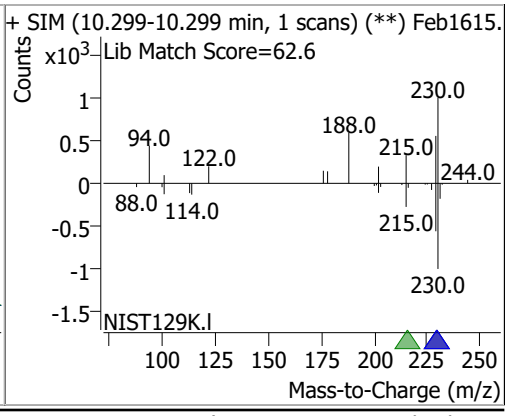




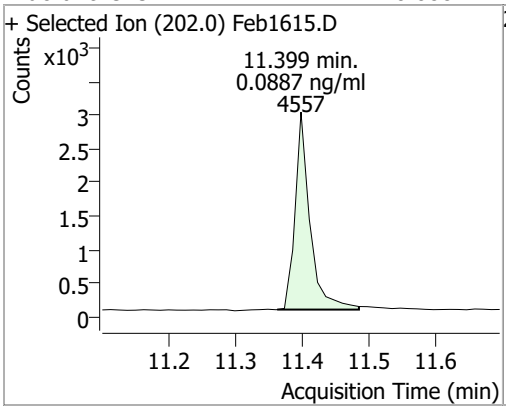
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	0.0388	10.30	0.00	1882	229.0	62.0	44.8	83.1
					215.0	40.6	27.3	50.6

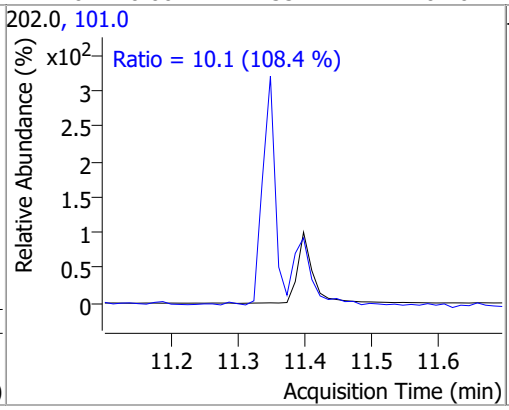


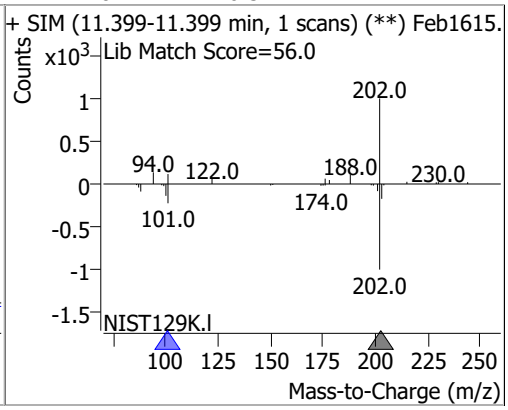




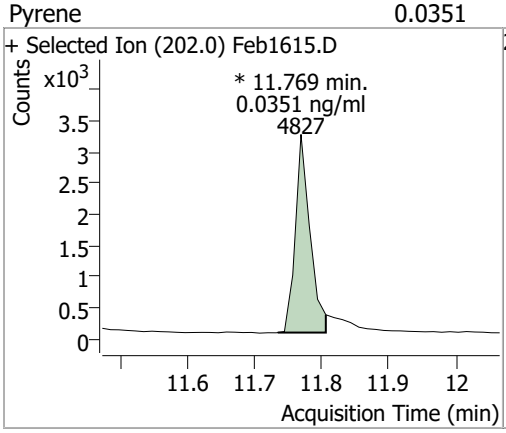
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	0.0887	11.40	0.00	4557	101.0	10.1	6.5	12.1

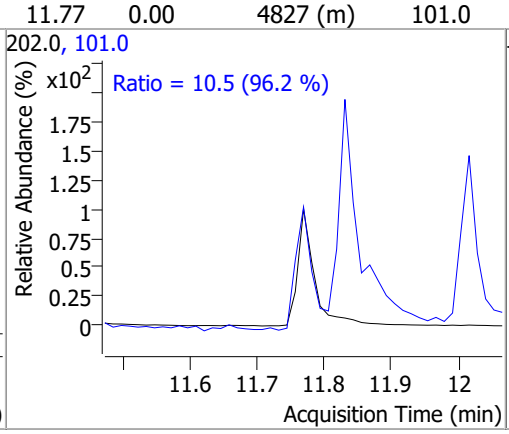


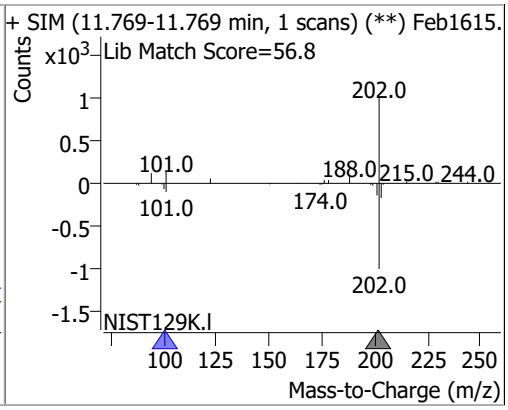




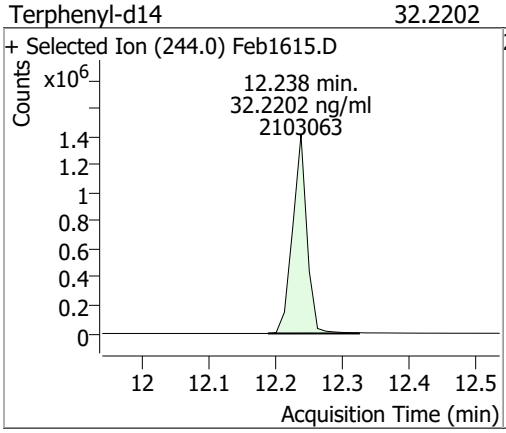
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	0.0351	11.77	0.00	4827 (m)	101.0	10.5	7.6	14.2

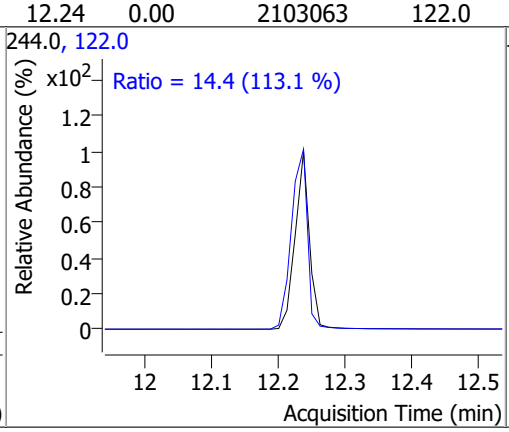


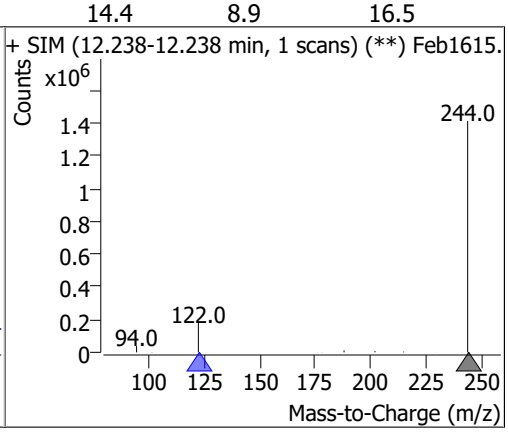




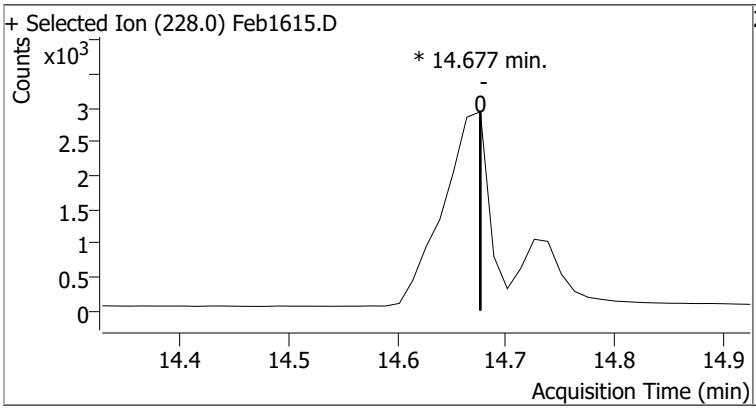
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	32.2202	12.24	0.00	2103063	122.0	14.4	8.9	16.5

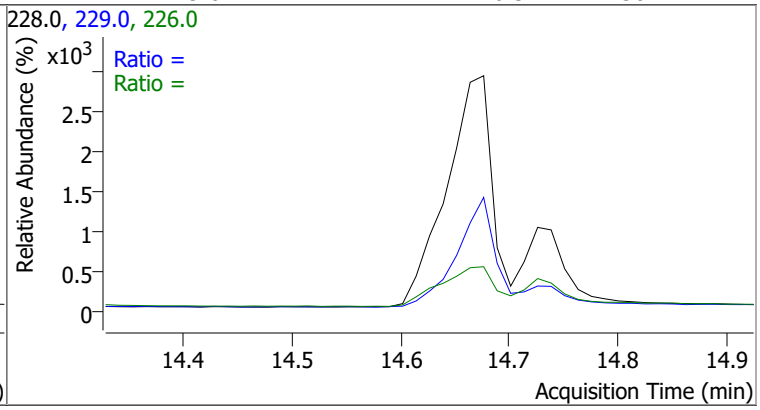




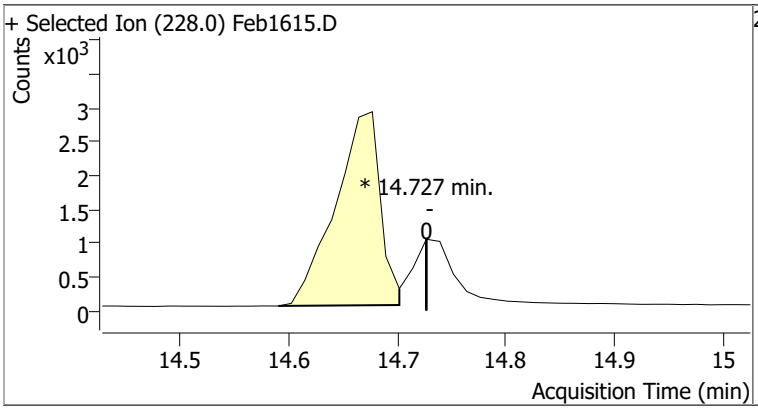


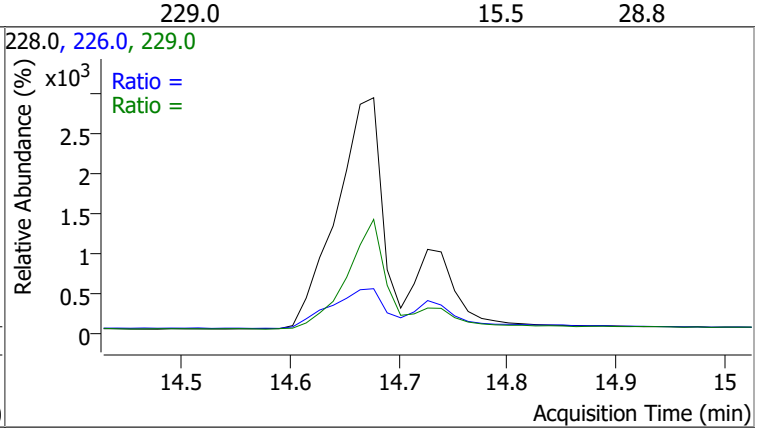
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.0	33.4
					229.0		16.5	30.7



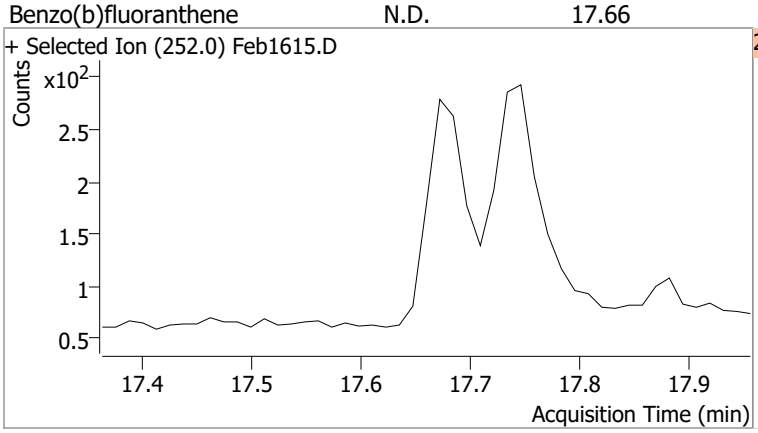


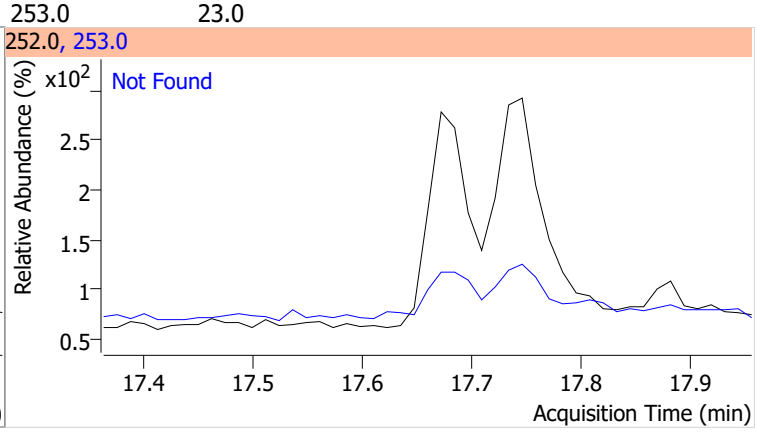
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		20.2	37.5
					229.0		15.5	28.8



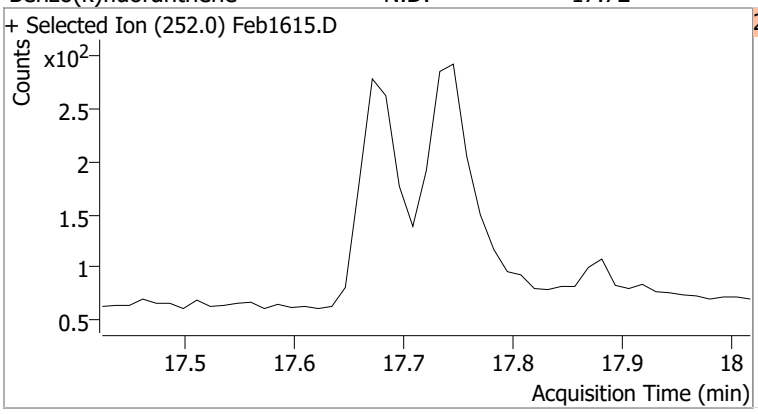


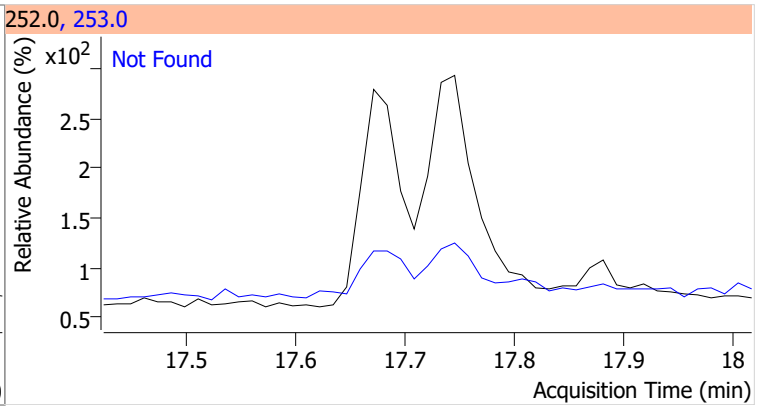
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.66	253.0	23.0



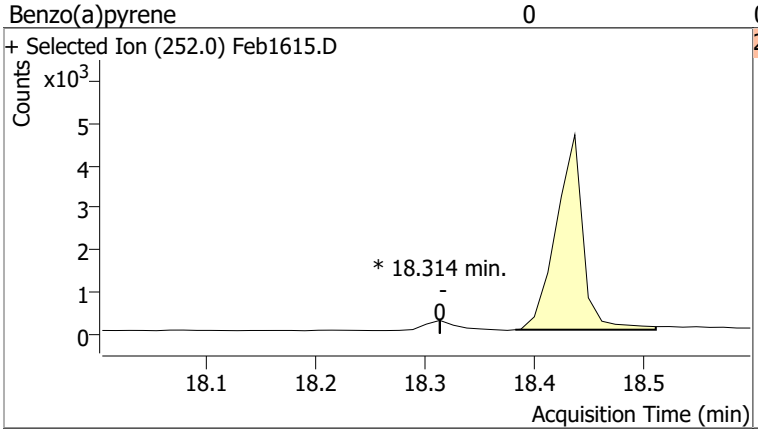


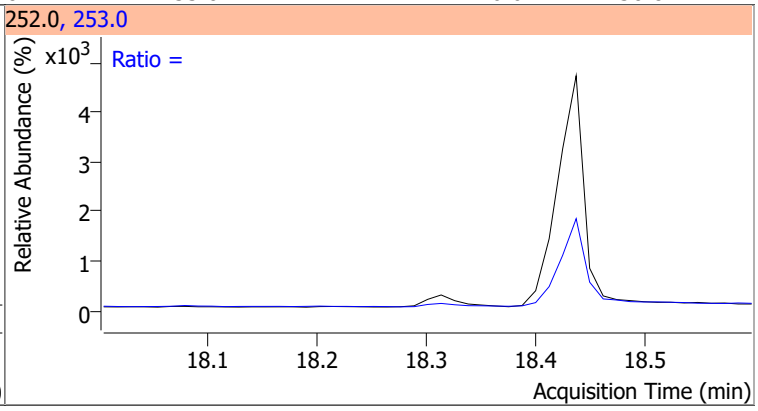
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.72	253.0	21.7



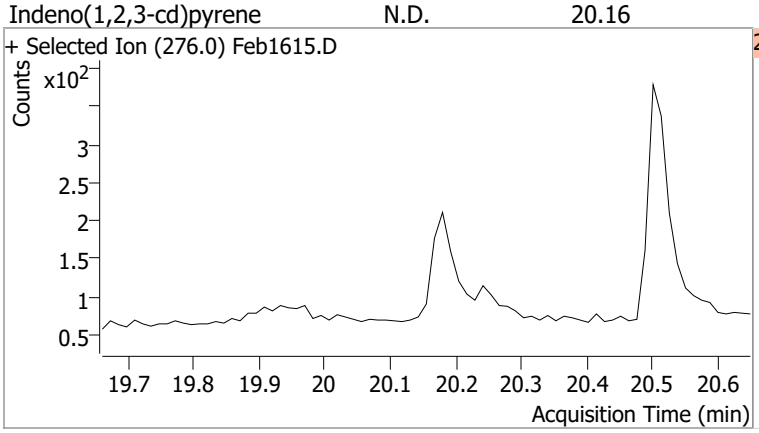


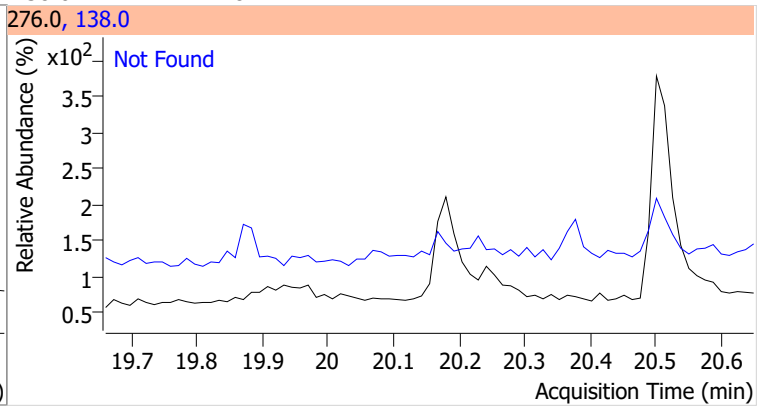
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.6	30.8



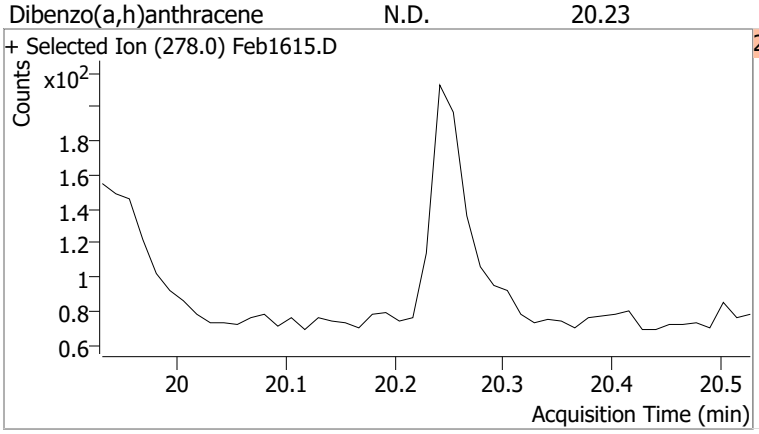


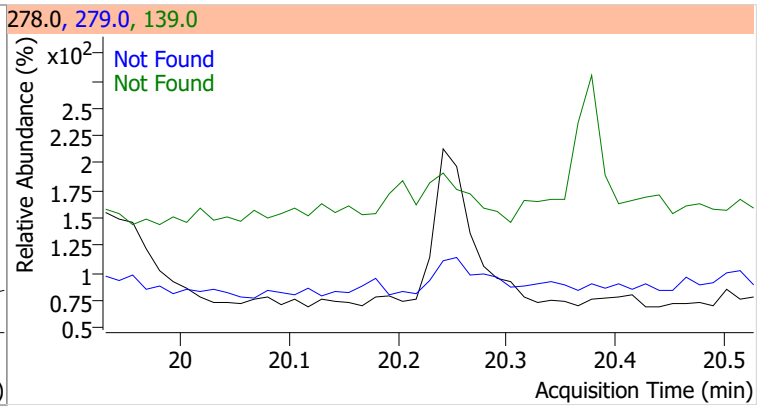
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.16	138.0	22.8



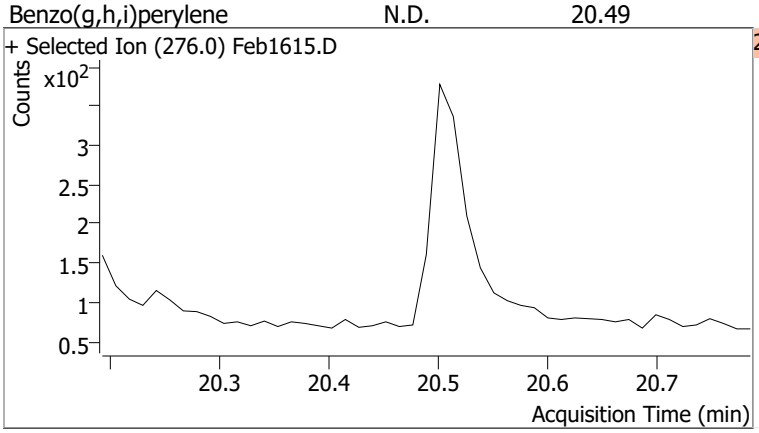


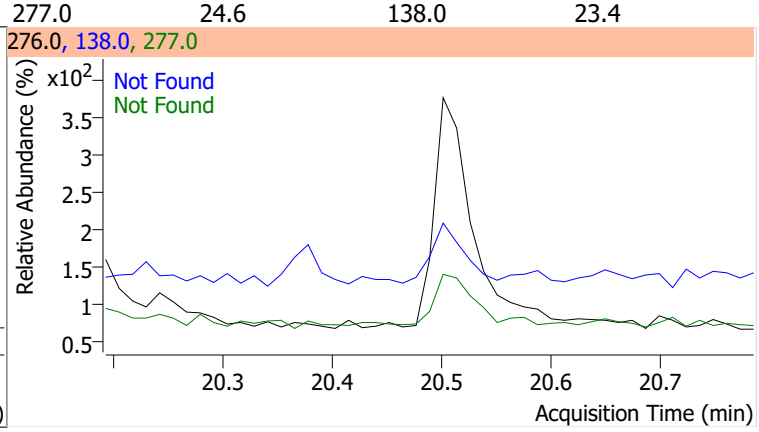
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.7	139.0	17.3





Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.6	138.0	23.4

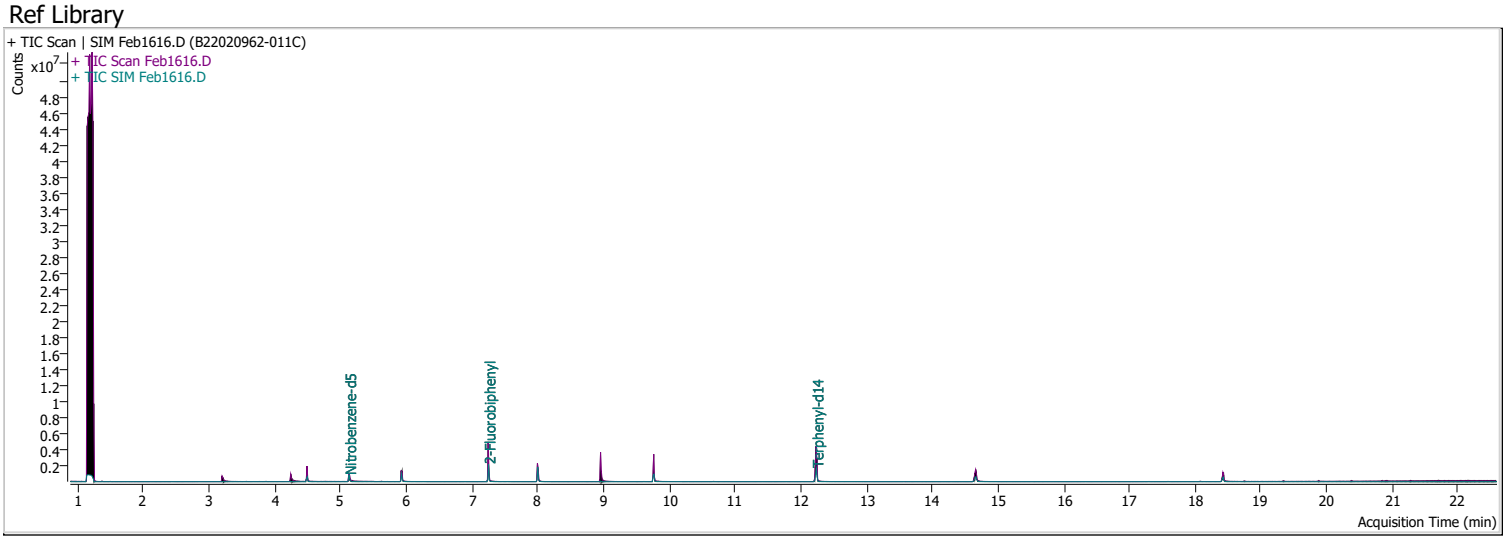




Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

Data File	Feb1616.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 8:37:58 PM
Sample Name	B22020962-011C	Instrument	GCMS
Vial	16	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

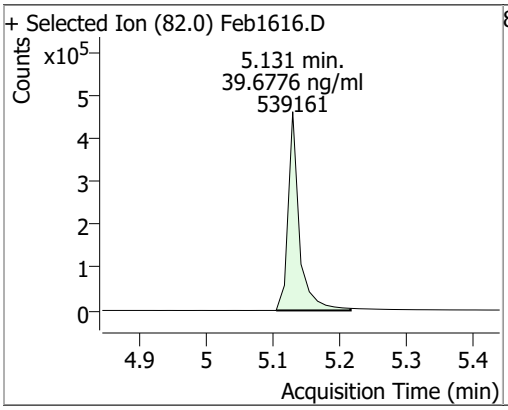


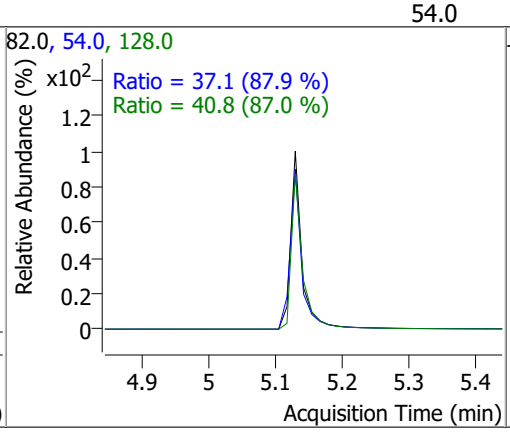
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	248866	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	995734	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.001	164.0	696635	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1242135	40.0000	ng/ml		0.000
M Chrysene-d12	14.664	240.0	977381	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	620209	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.131	82.0	539161	39.6776	ng/ml		-0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 793.55%		*	
S 2-Fluorobiphenyl	7.252	172.0	1466218	36.4512	ng/ml		-0.013
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 729.02%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.238	244.0	2102335	54.4858	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1089.72%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.038	154.0	0		ng/ml	md	1
T Fluorene	8.960	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.652	228.0	0		ng/ml	md	1
T Chrysene	14.726	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

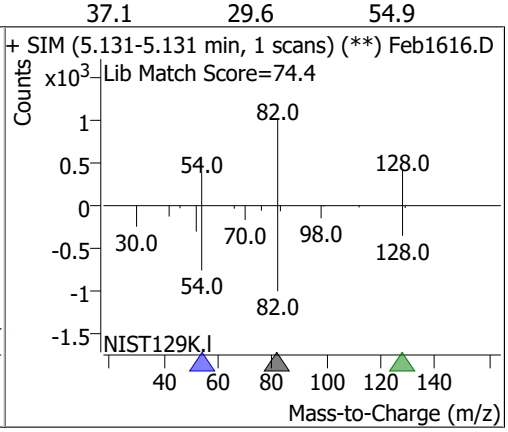
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.314	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

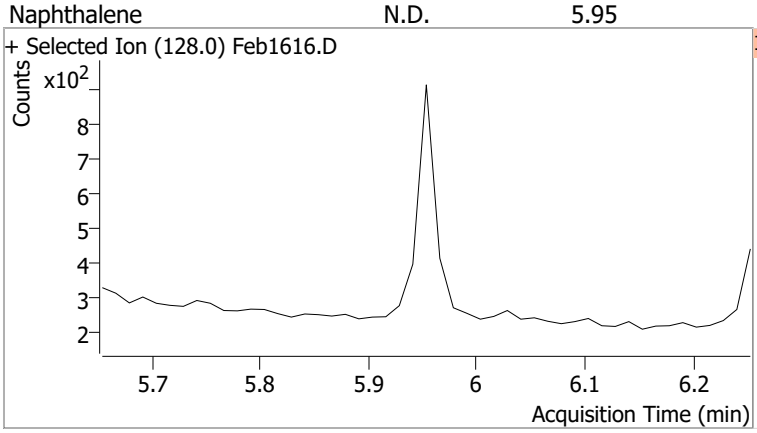
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	39.6776	5.13	-0.01	539161	128.0	40.8	32.9	61.0
					54.0	37.1	29.6	54.9

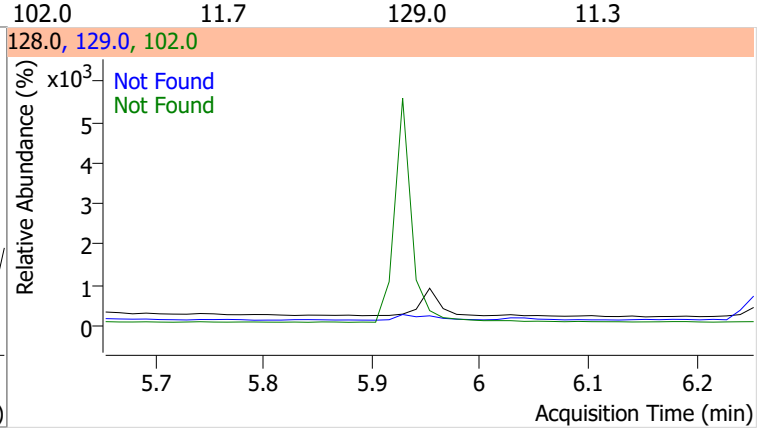




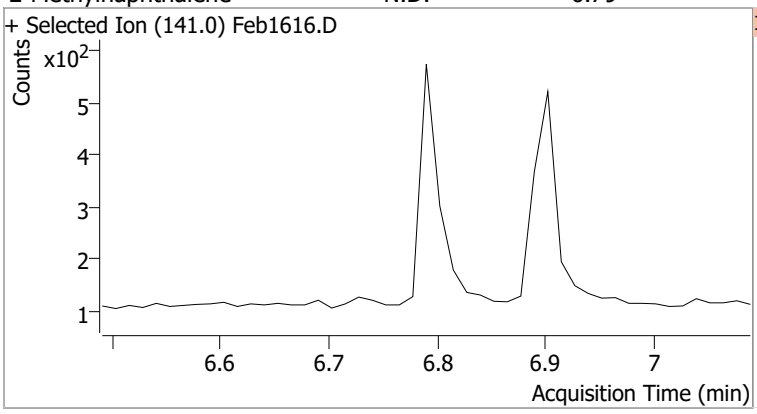


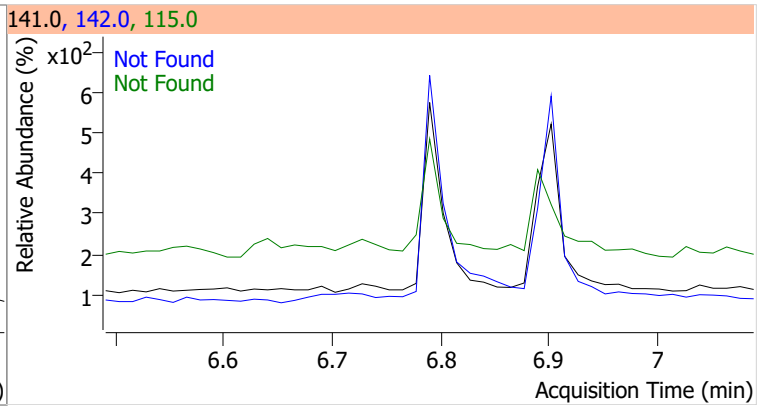
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.95	102.0	11.7	129.0	11.3



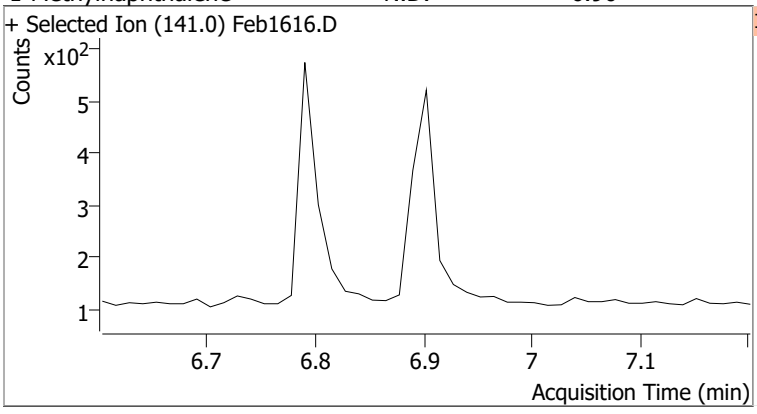


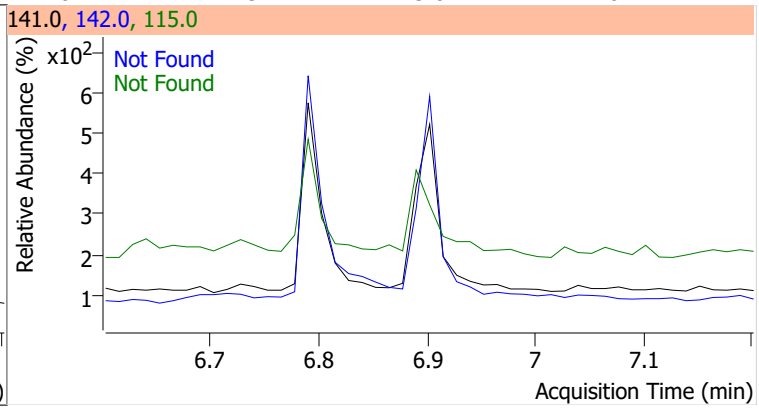
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.79	142.0	137.8	115.0	47.4



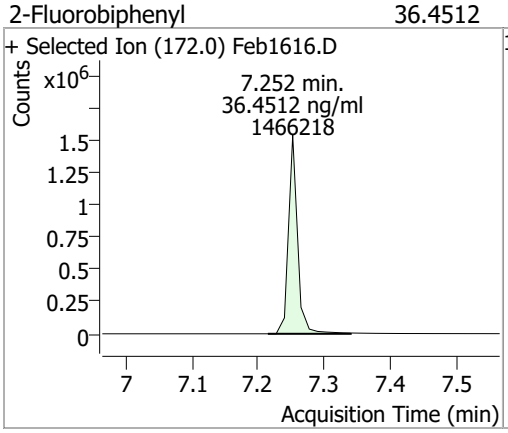


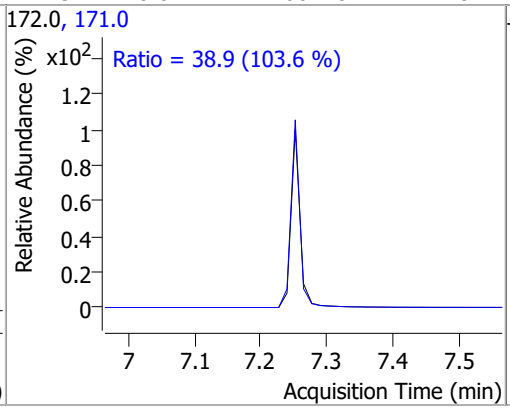
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.90	142.0	117.5	115.0	47.8

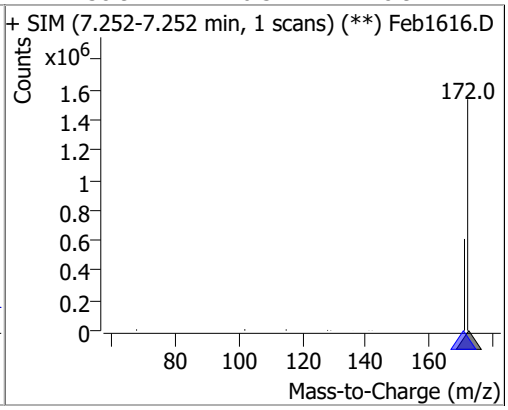




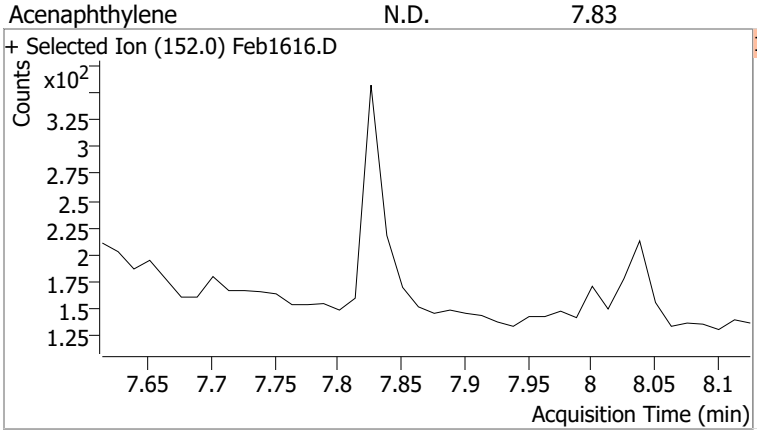
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	36.4512	7.25	-0.01	1466218	171.0	38.9	26.3	48.9

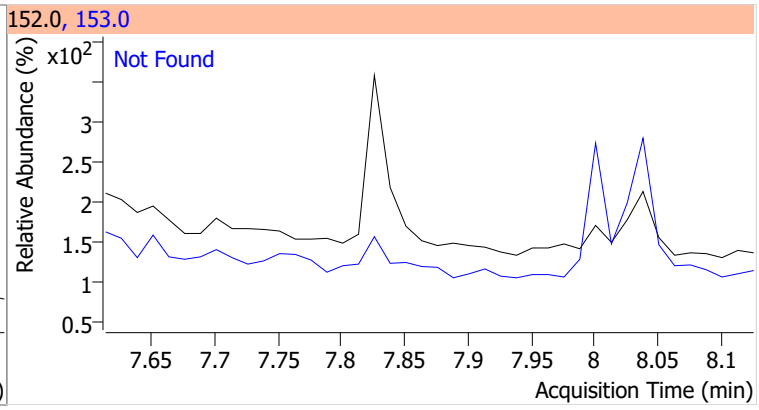




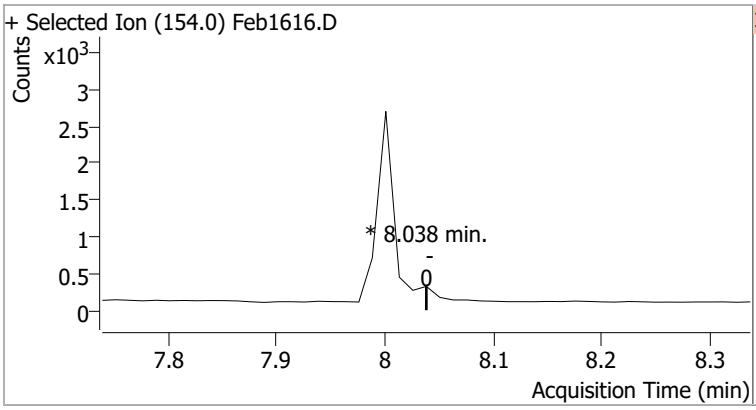


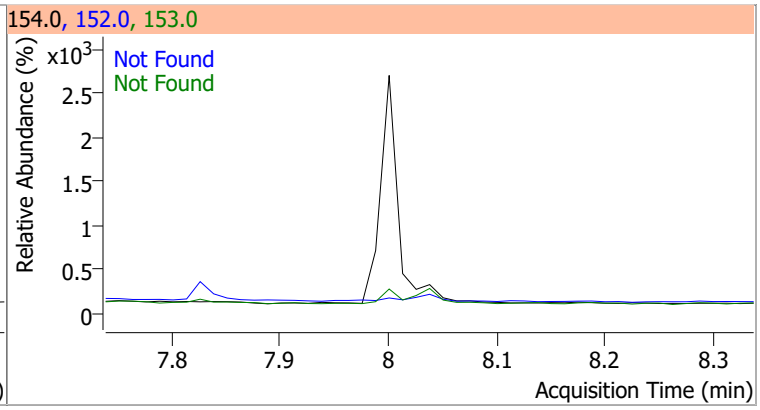
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	16.9



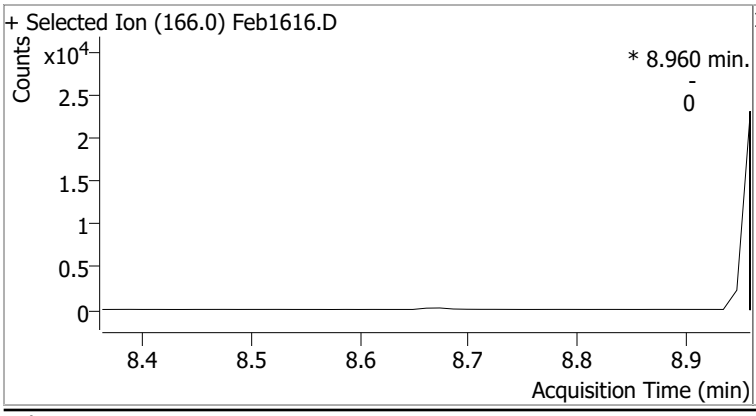


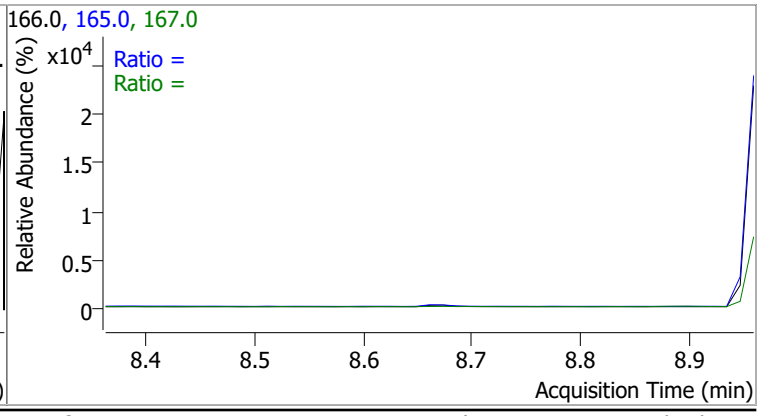
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		78.7	146.2
					152.0		36.5	67.8



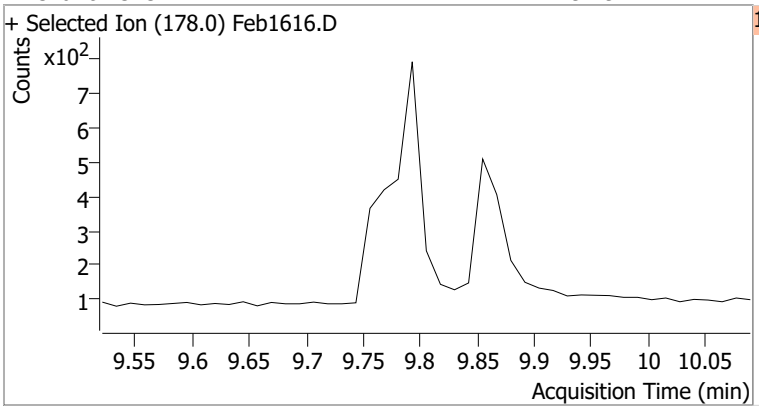


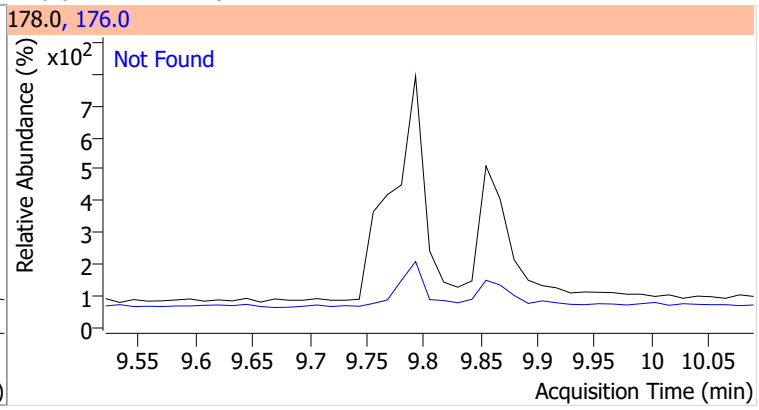
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		68.8	127.8
					167.0		7.2	13.4



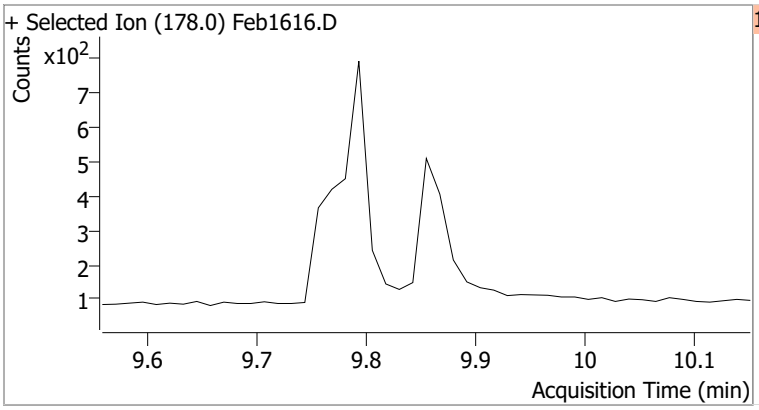


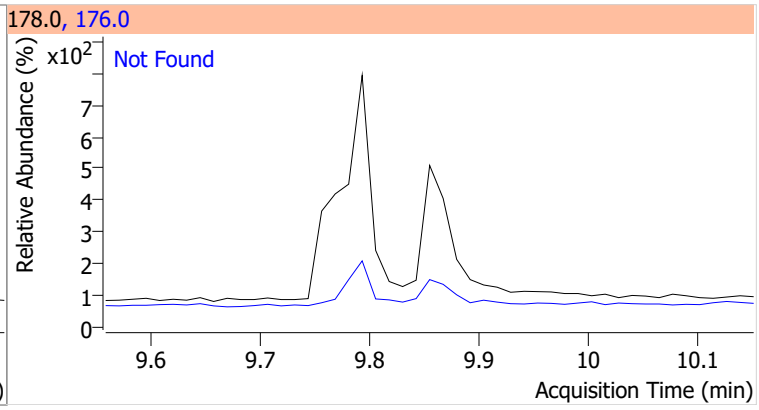
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.1



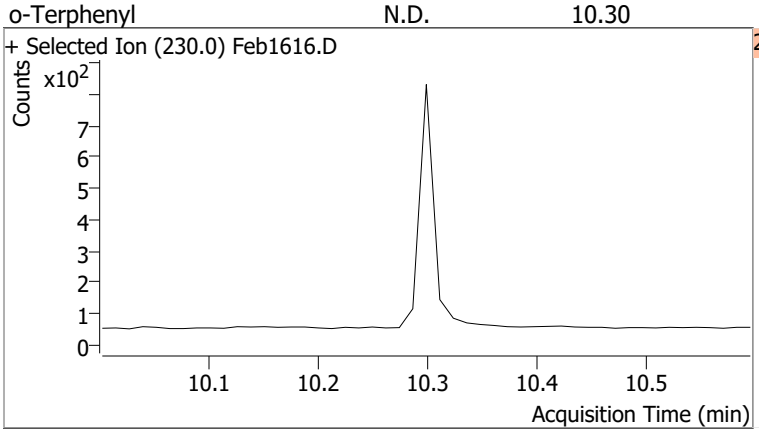


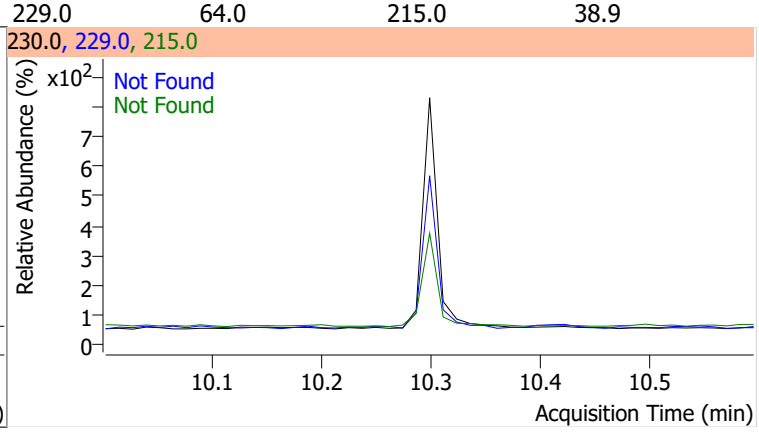
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.85	176.0	17.1



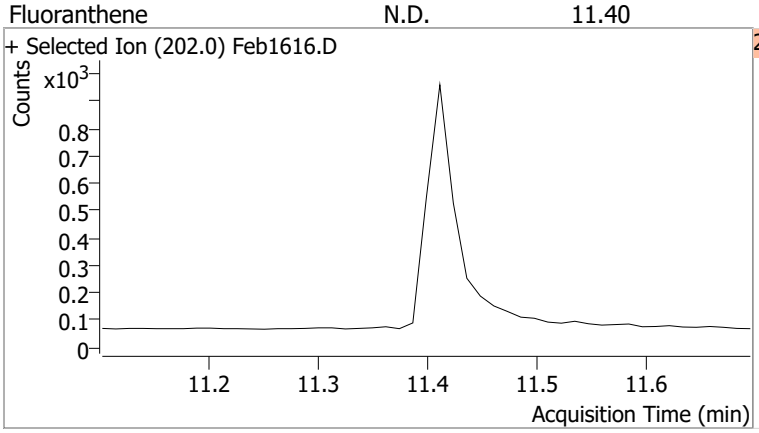


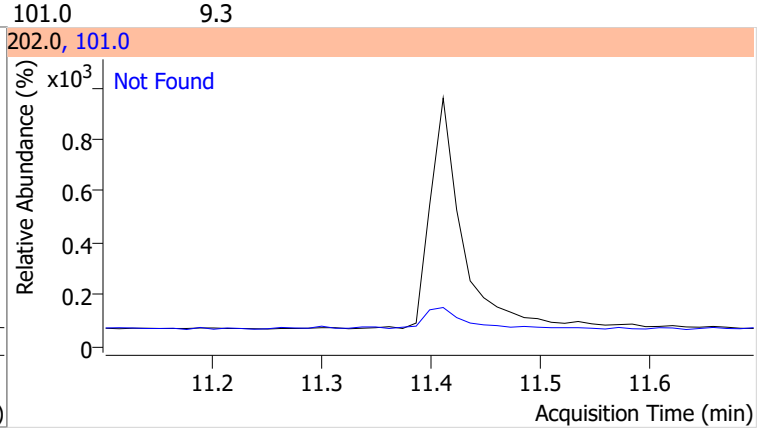
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.30	229.0	64.0	215.0	38.9



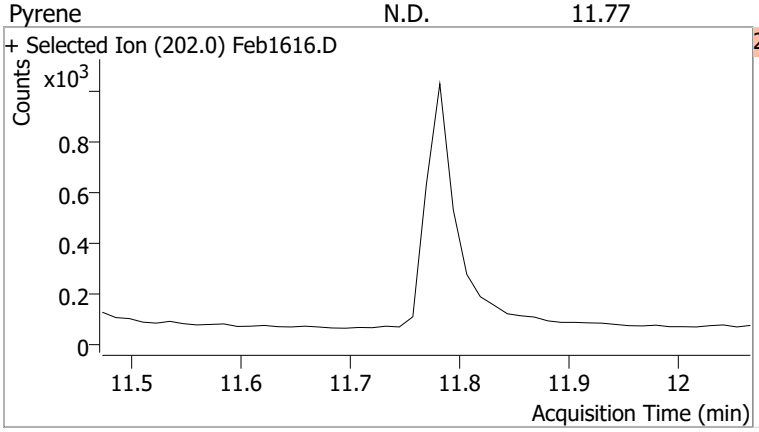


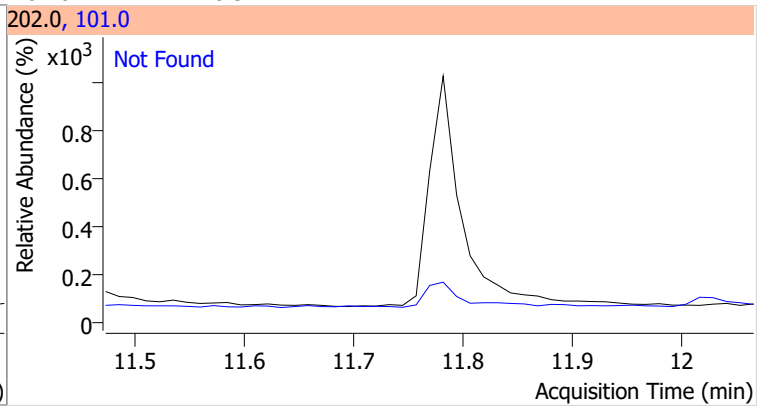
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.40	101.0	9.3



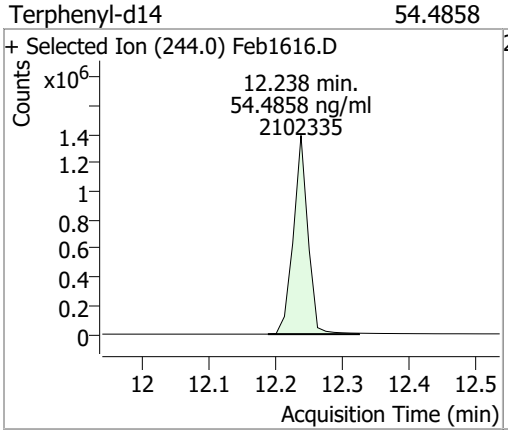


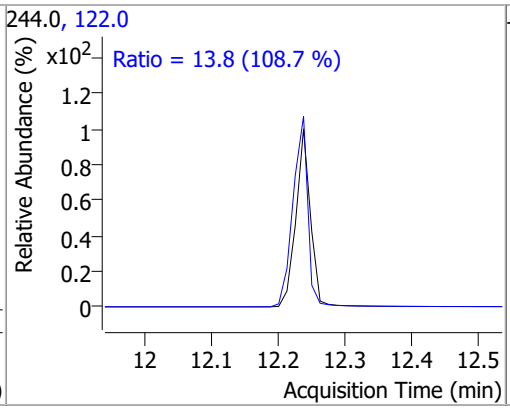
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.77	101.0	10.9

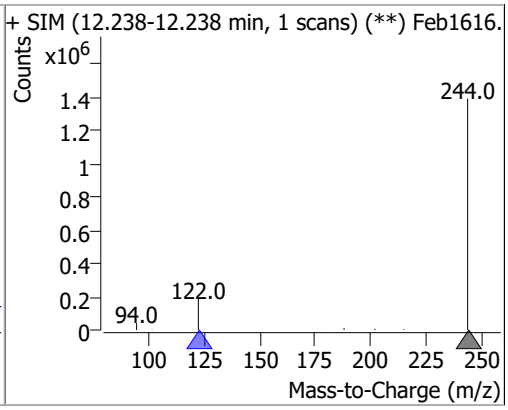




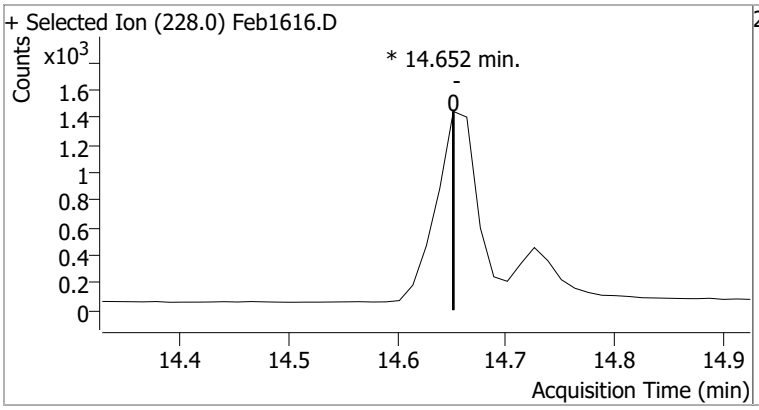
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	54.4858	12.24	0.00	2102335	122.0	13.8	8.9	16.5

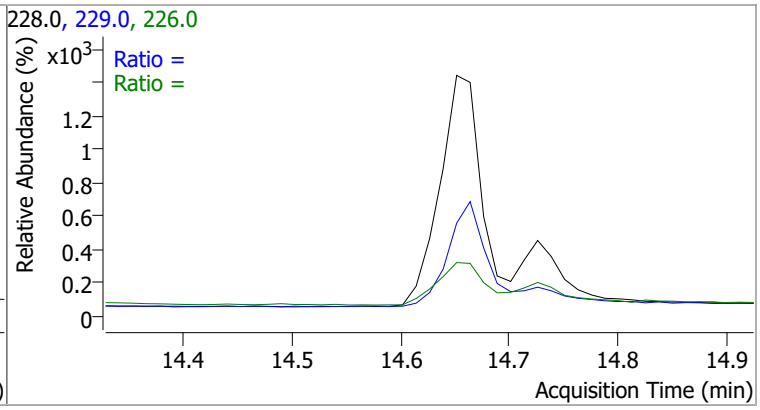




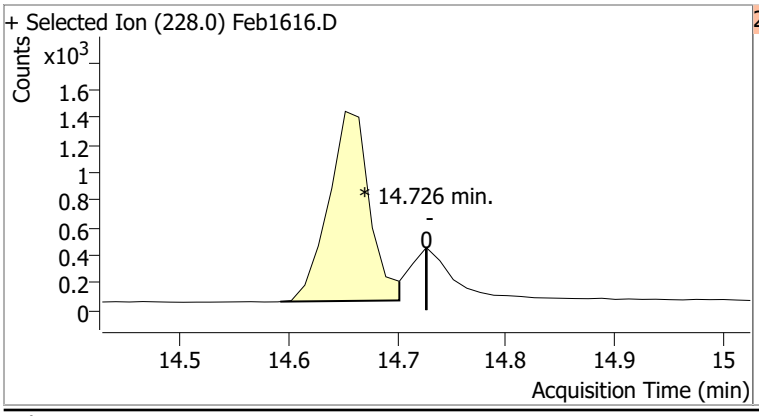


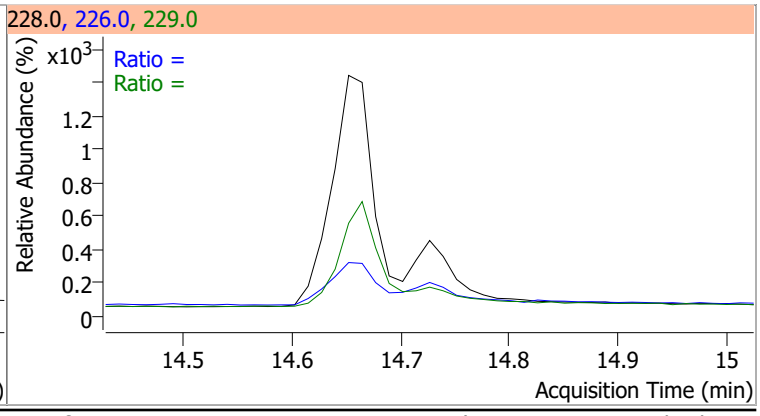
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.0	33.4
					229.0		16.5	30.7



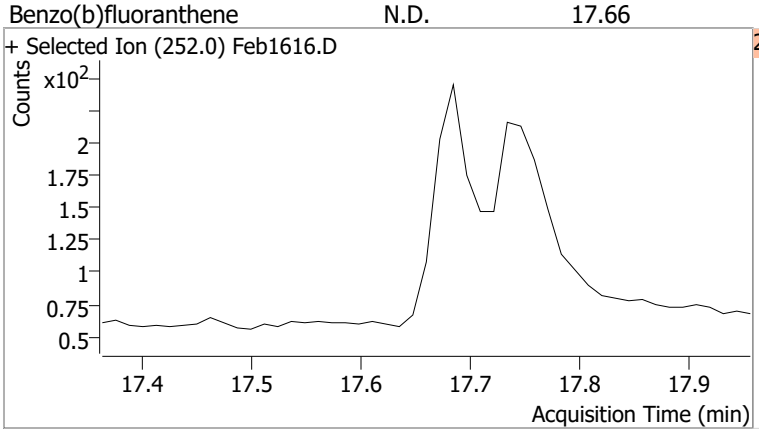


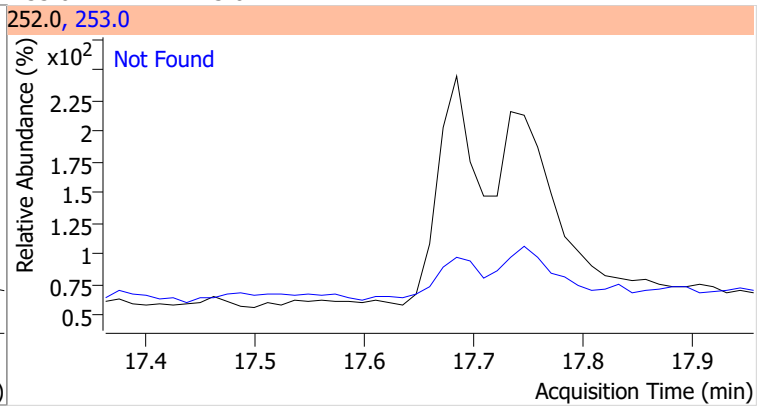
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		20.2	37.5
					229.0		15.5	28.8



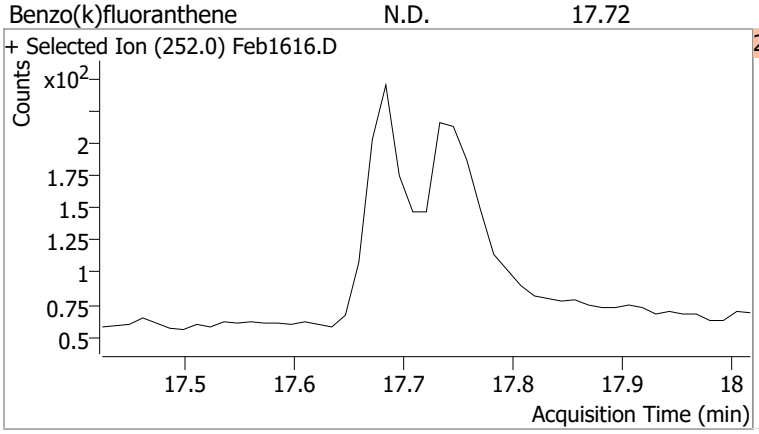


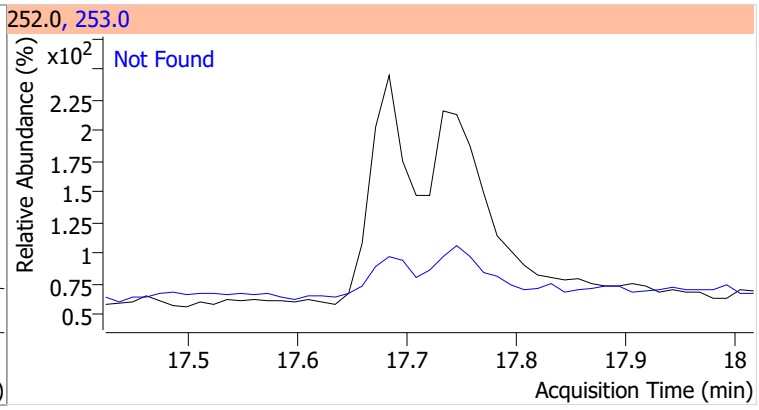
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.66	253.0	23.0



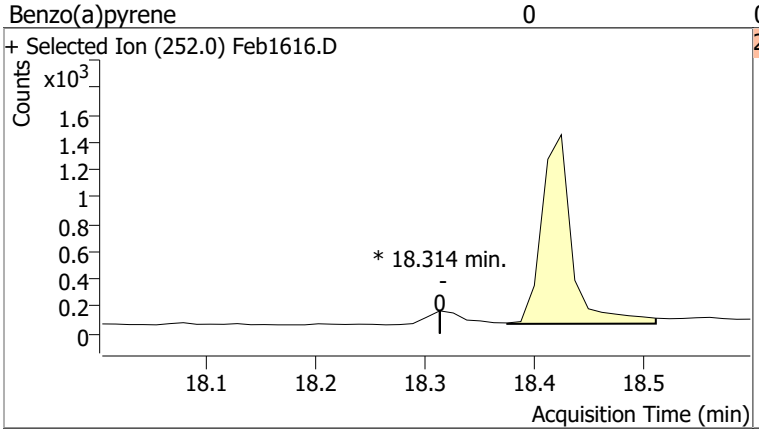


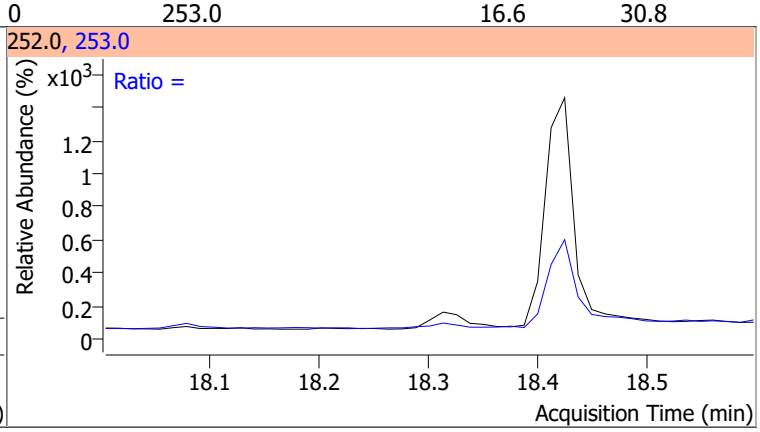
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.72	253.0	21.7



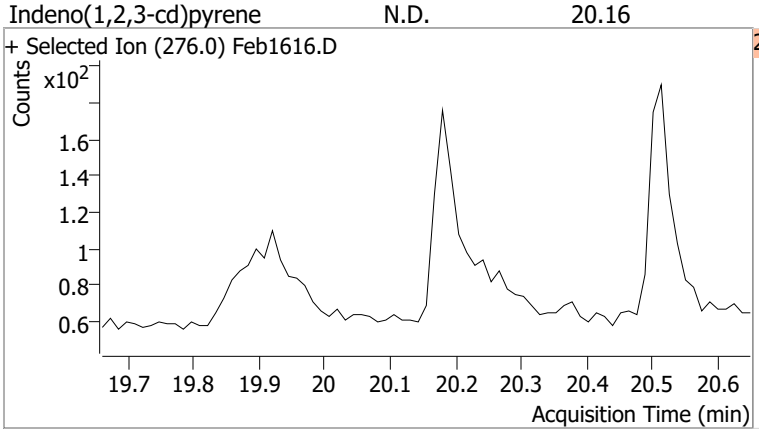


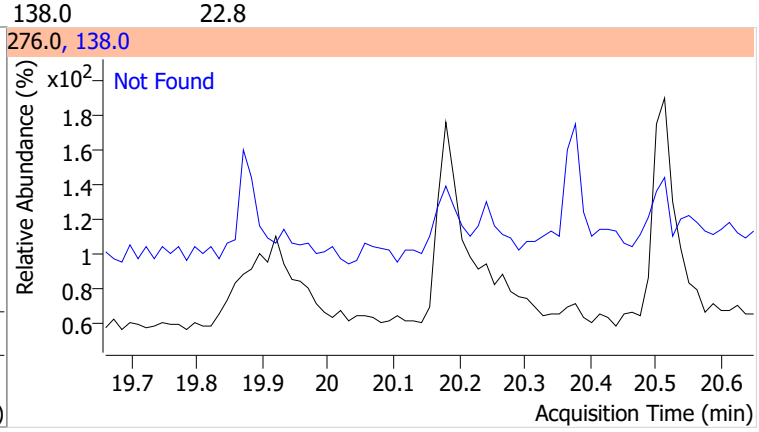
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.6	30.8



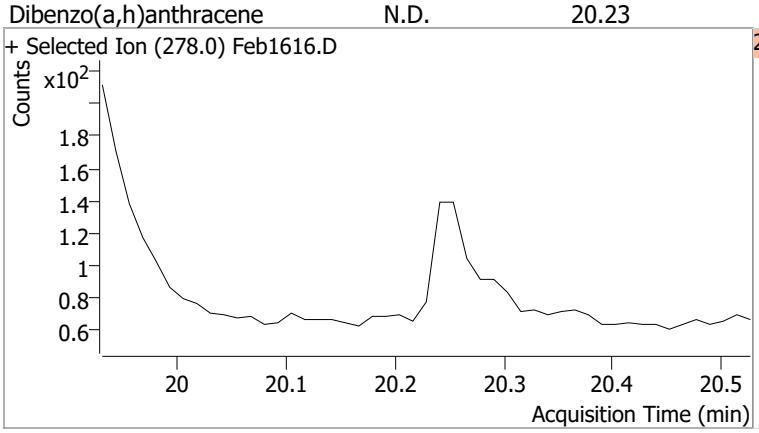


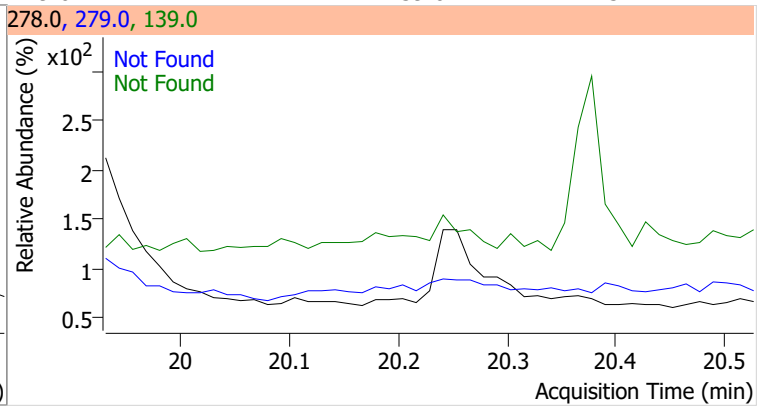
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.16	138.0	22.8



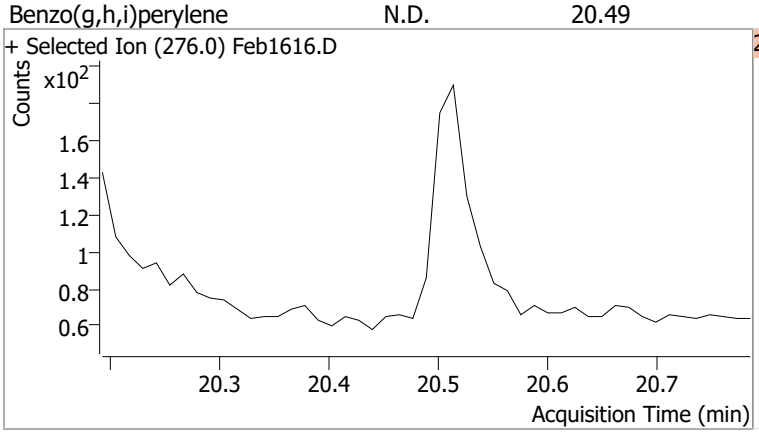


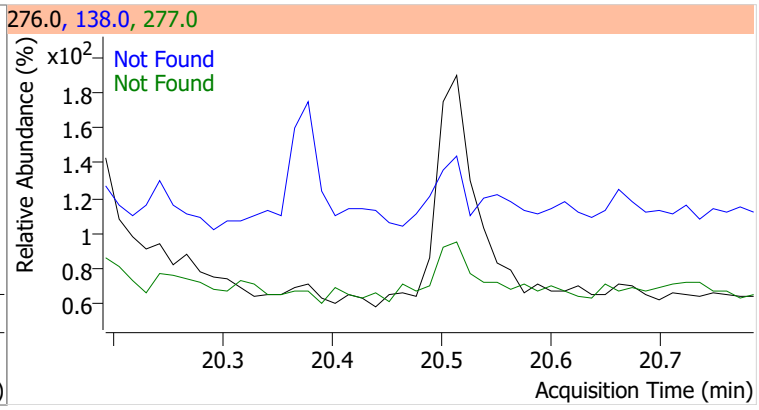
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.7	139.0	17.3





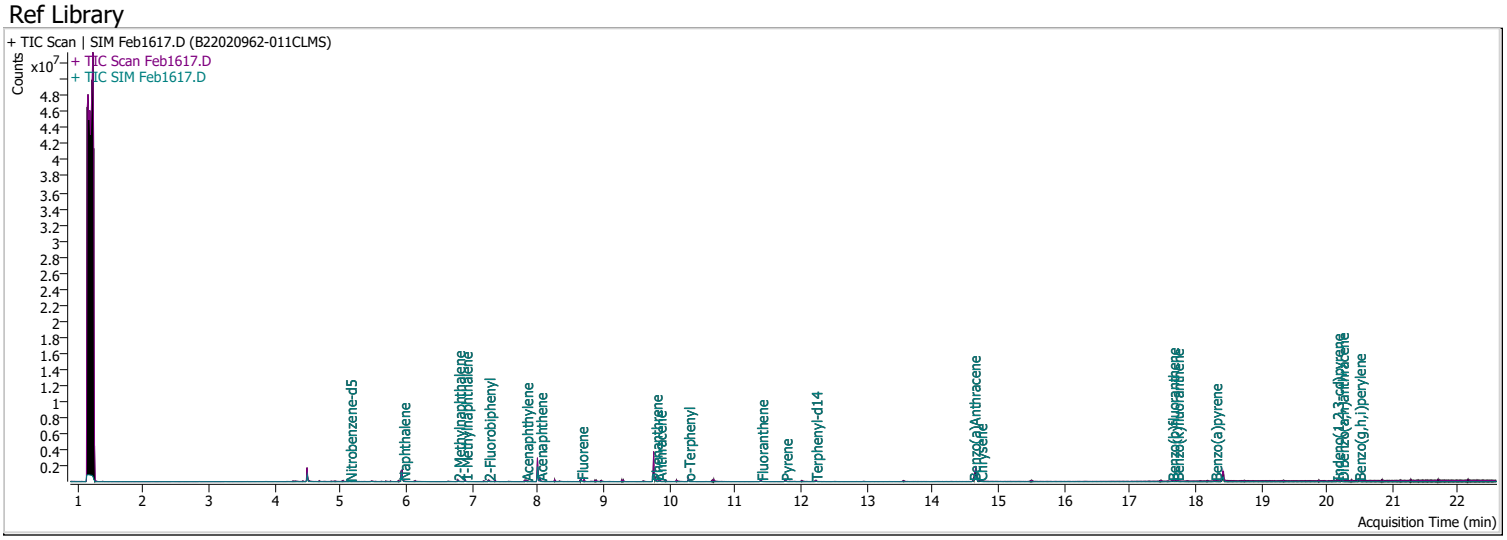
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.6	138.0	23.4





Quantitation Results Report (QT Reviewed)

Data File	Feb1617.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 9:10:15 PM
Sample Name	B22020962-011CLMS	Instrument	GCMS
Vial	17	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

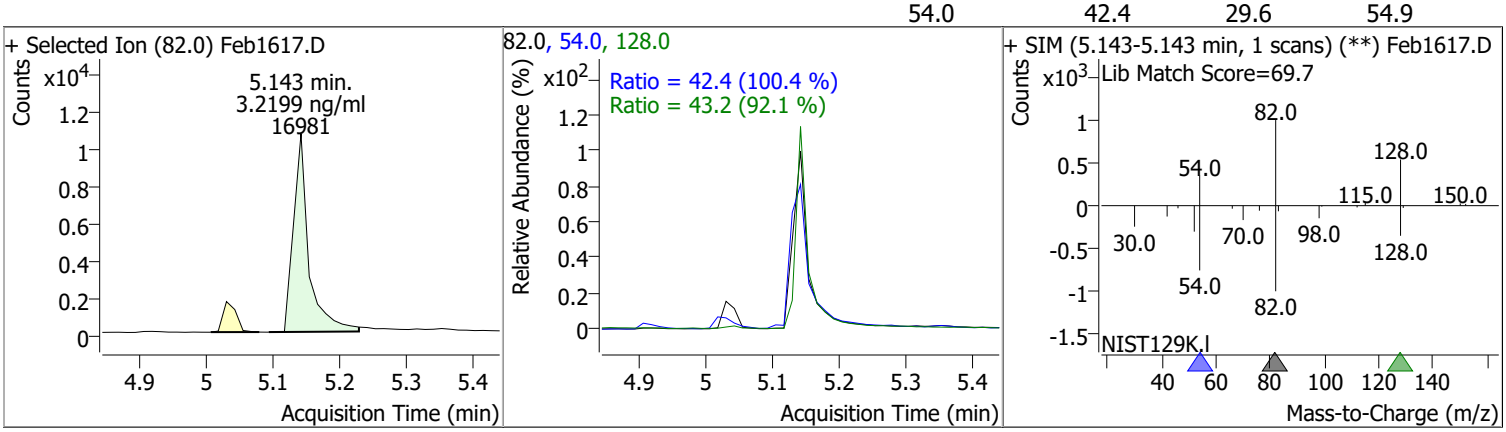


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	246177	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1030117	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.000	164.0	709348	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.756	188.0	1281843	40.0000	ng/ml		-0.013
M Chrysene-d12	14.664	240.0	1016260	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	650231	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	16981	3.2199	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 64.40%			
S 2-Fluorobiphenyl	7.252	172.0	66915	3.4469	ng/ml		-0.013
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 68.94%			
S o-Terphenyl	10.287	230.0	70031	4.0403	ng/ml		-0.013
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 80.81%			
S Terphenyl-d14	12.226	244.0	69276	3.3995	ng/ml		-0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 67.99%			
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	71299	2.8841	ng/ml		99
T 2-Methylnaphthalene	6.790	141.0	47321	2.9604	ng/ml		94
T 1-Methylnaphthalene	6.902	141.0	42600	2.4197	ng/ml		95
T Acenaphthylene	7.826	152.0	80246	3.4566	ng/ml		93
T Acenaphthene	8.038	154.0	61832	3.5846	ng/ml		98
T Fluorene	8.661	166.0	84629	4.0223	ng/ml	#	97
T Phenanthrene	9.793	178.0	120538	4.0025	ng/ml		90
T Anthracene	9.854	178.0	110402	4.0291	ng/ml		100
T Fluoranthene	11.398	202.0	119780	3.9753	ng/ml		99
T Pyrene	11.769	202.0	131030	4.0144	ng/ml		96
T Benzo(a)Anthracene	14.627	228.0	100716	4.1553	ng/ml		99
T Chrysene	14.726	228.0	125656	4.0408	ng/ml		98
T Benzo(b)fluoranthene	17.647	252.0	88343	4.1933	ng/ml		99

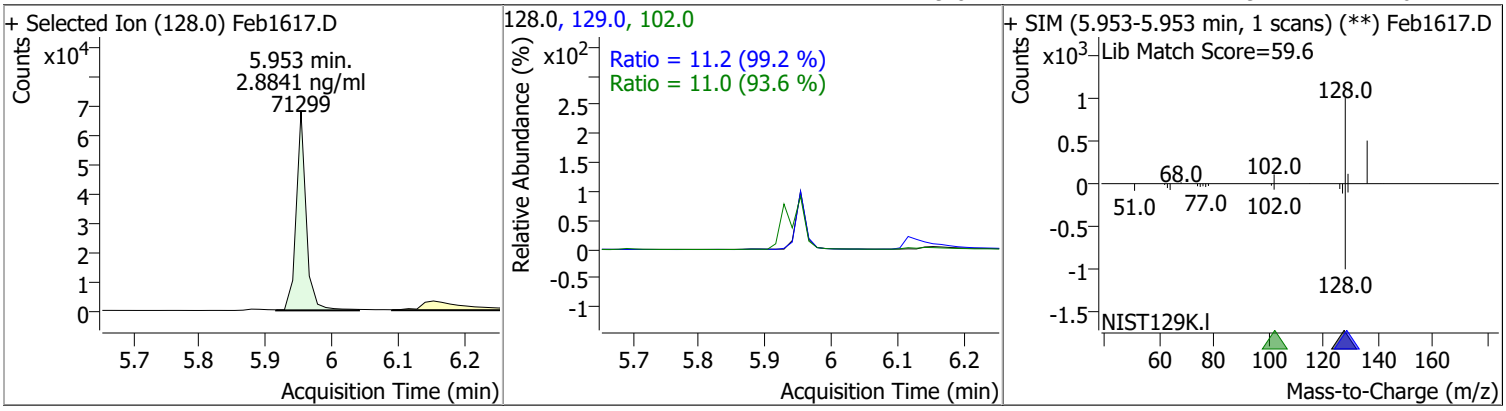
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.721	252.0	93131	3.8023	ng/ml	98
T Benzo(a)pyrene	18.302	252.0	69824	3.8471	ng/ml	99
T Indeno(1,2,3-cd)pyrene	20.155	276.0	62918	4.0136	ng/ml	97
T Dibenzo(a,h)anthracene	20.229	278.0	77154	4.2002	ng/ml	96
T Benzo(g,h,i)perylene	20.489	276.0	89378	4.1178	ng/ml	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

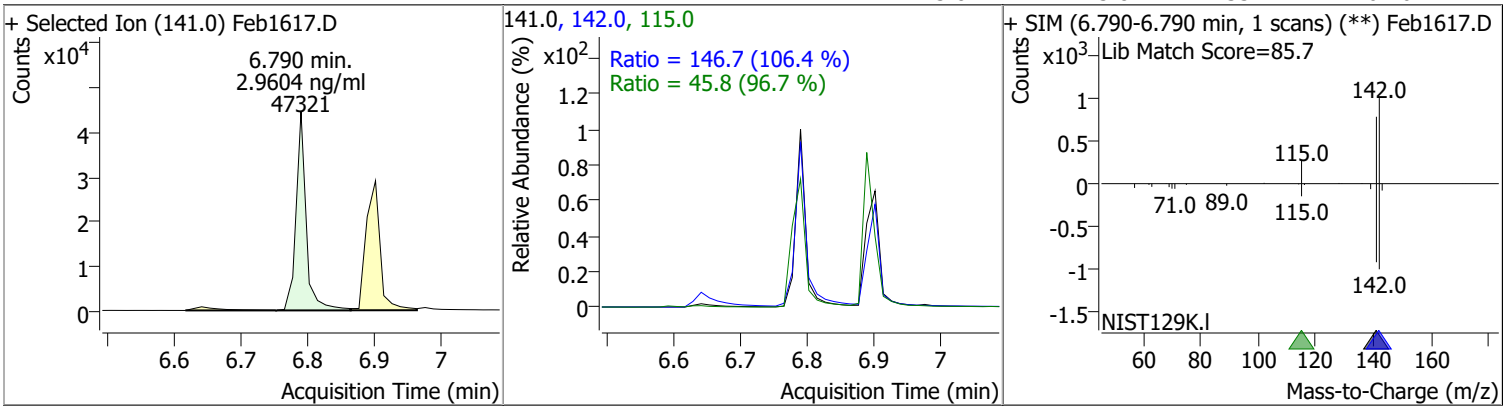
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	3.2199	5.14	0.00	16981	128.0	43.2	32.9	61.0
					54.0	42.4	29.6	54.9



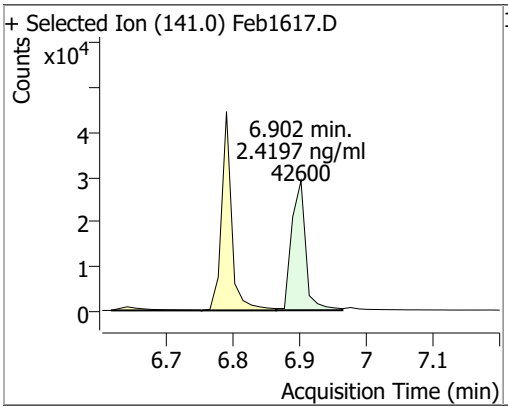
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	2.8841	5.95	0.00	71299	102.0	11.0	0.0	35.2
					129.0	11.2	7.9	14.6

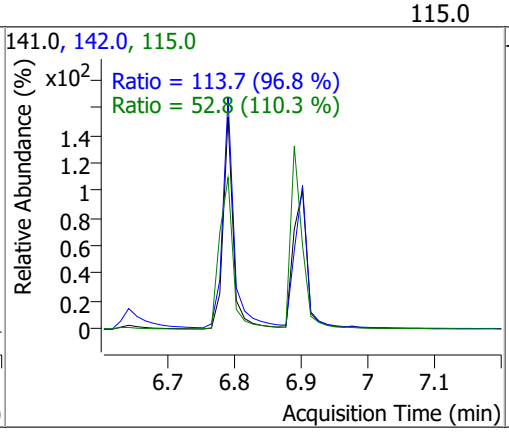


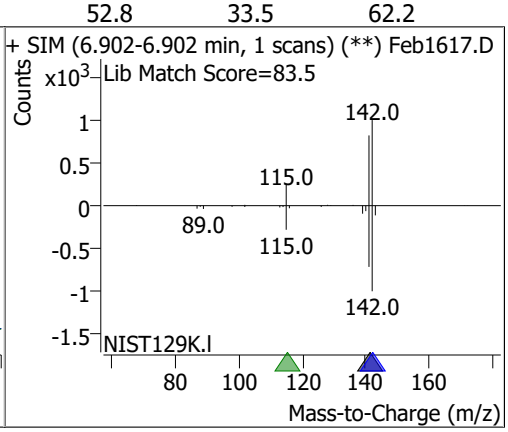
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	2.9604	6.79	0.00	47321	142.0	146.7	96.5	179.2
					115.0	45.8	33.2	61.6



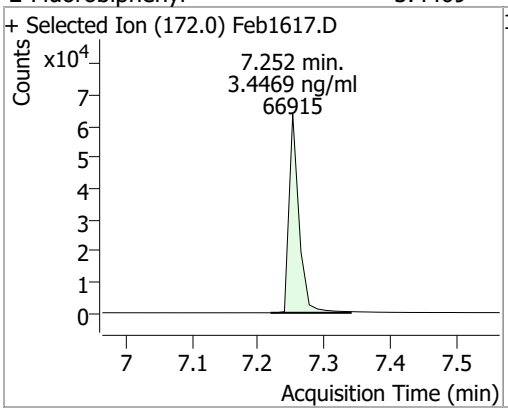
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	2.4197	6.90	0.00	42600	142.0	113.7	82.3	152.8
					115.0	52.8	33.5	62.2

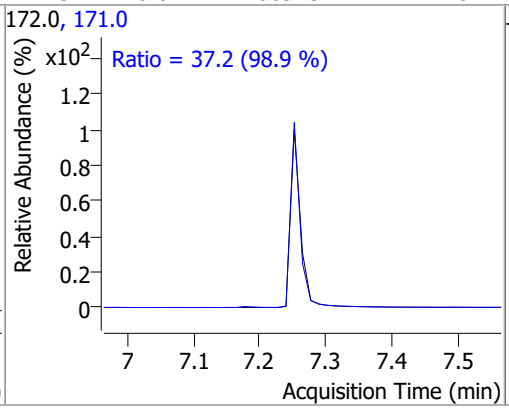


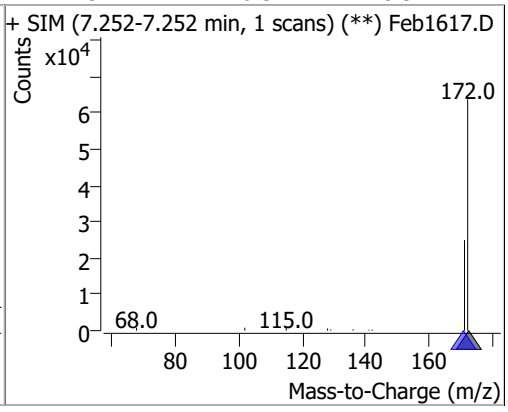




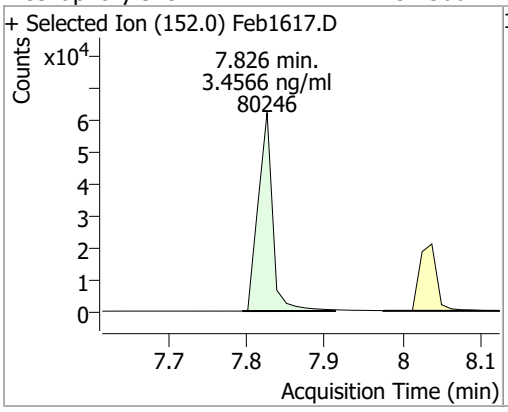
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.4469	7.25	-0.01	66915	171.0	37.2	26.3	48.9

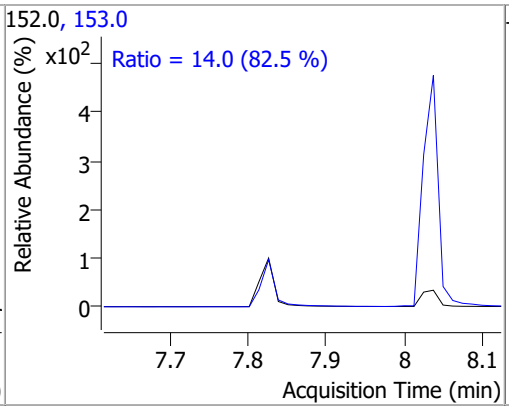


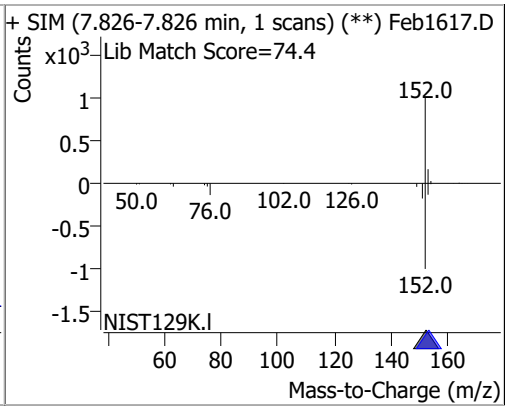




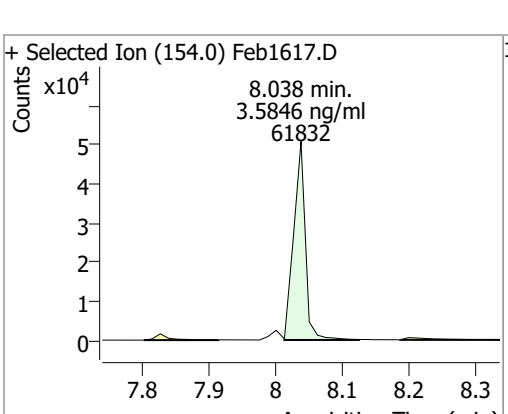
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	3.4566	7.83	0.00	80246	153.0	14.0	11.8	22.0

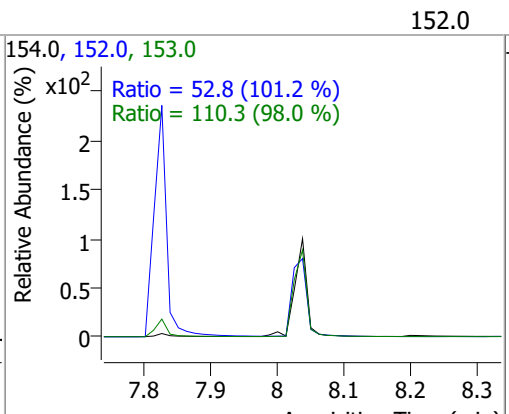


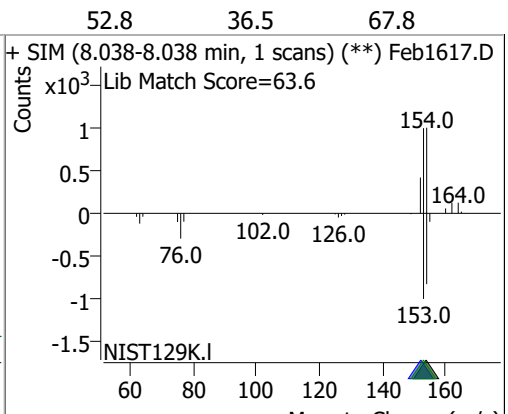




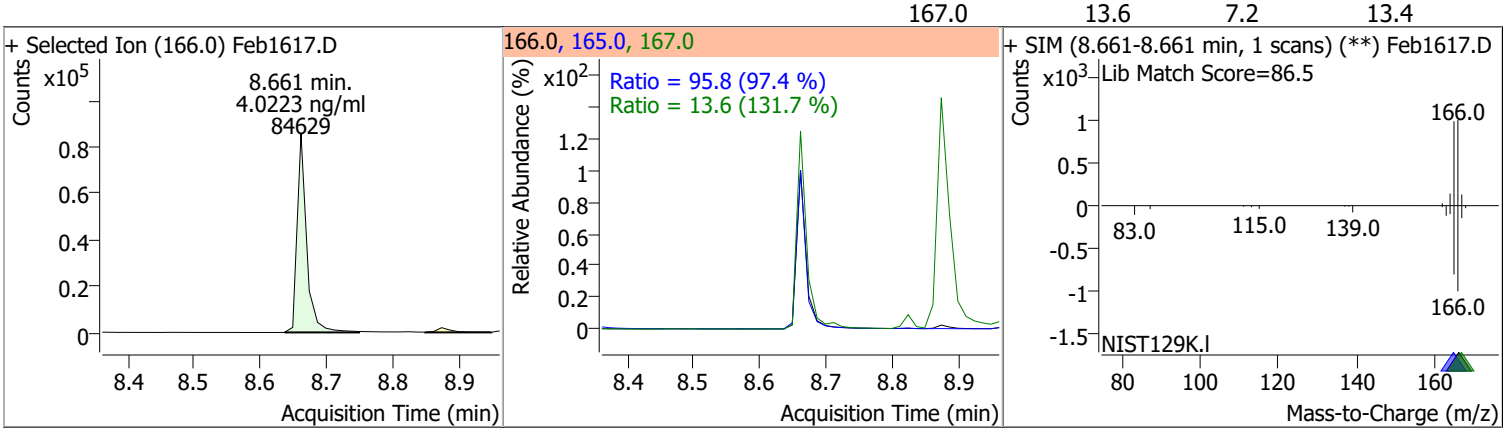
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	3.5846	8.04	0.00	61832	153.0	110.3	78.7	146.2
					152.0	52.8	36.5	67.8



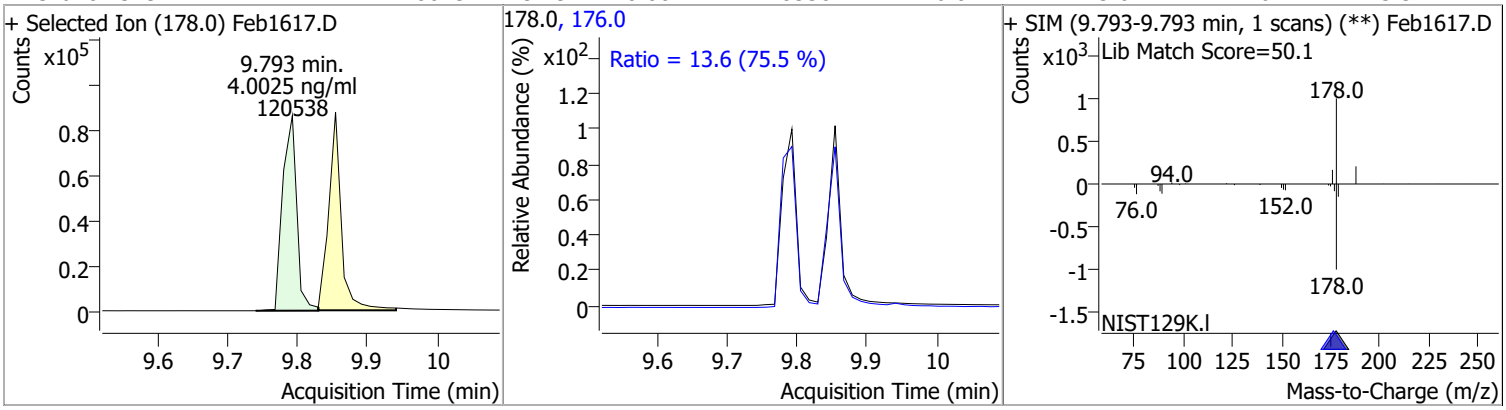




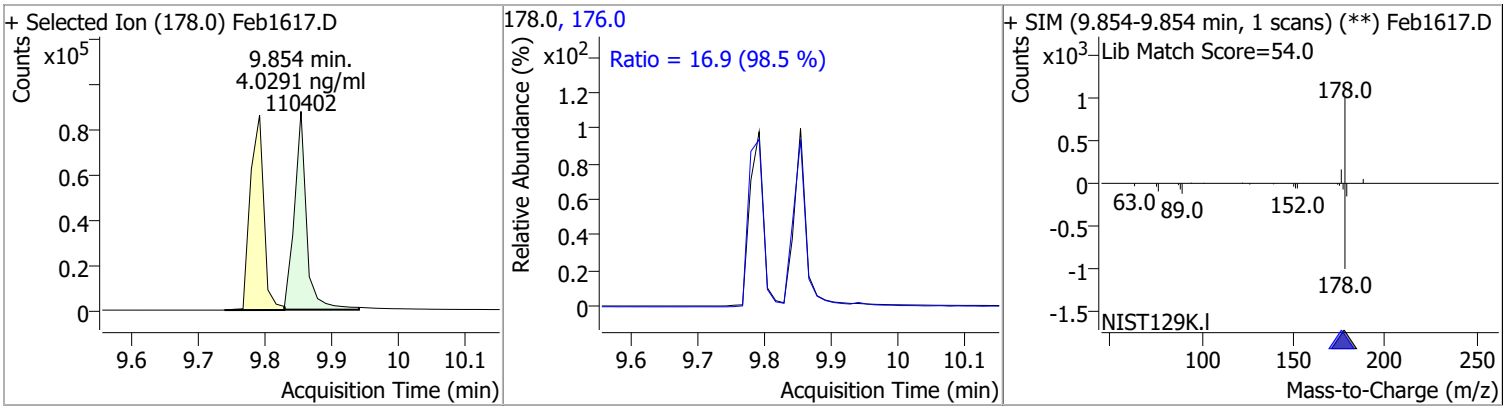
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	4.0223	8.66	0.00	84629	165.0	95.8	68.8	127.8
					167.0	13.6	7.2	13.4



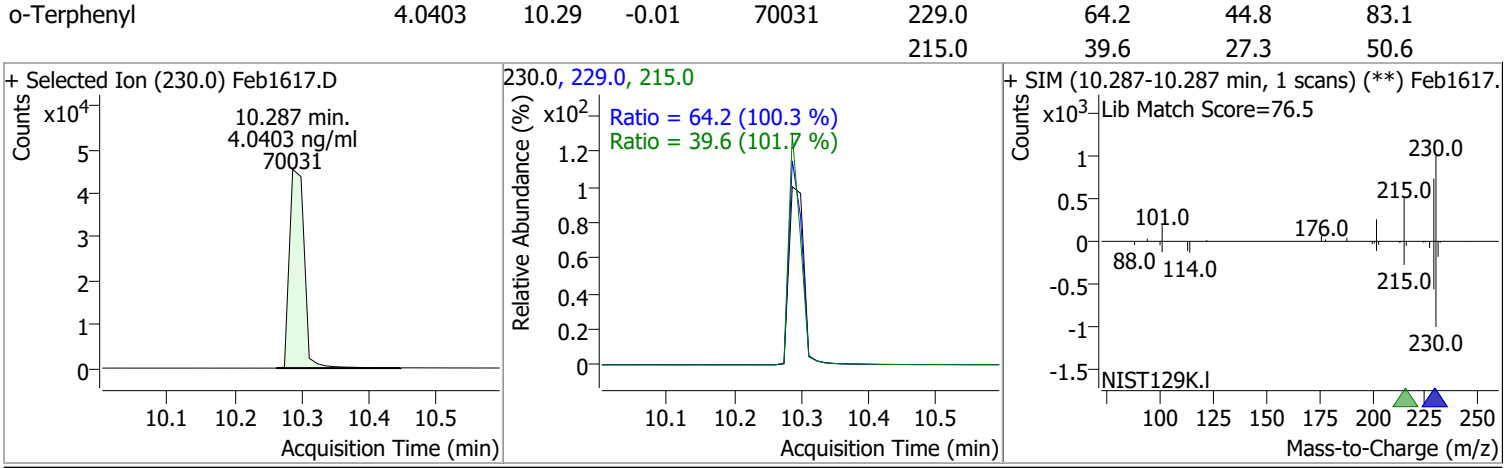
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	4.0025	9.79	0.00	120538	176.0	13.6	12.6	23.5



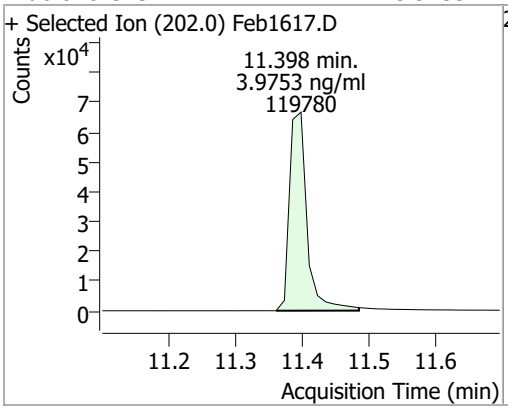
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	4.0291	9.85	0.00	110402	176.0	16.9	12.0	22.3

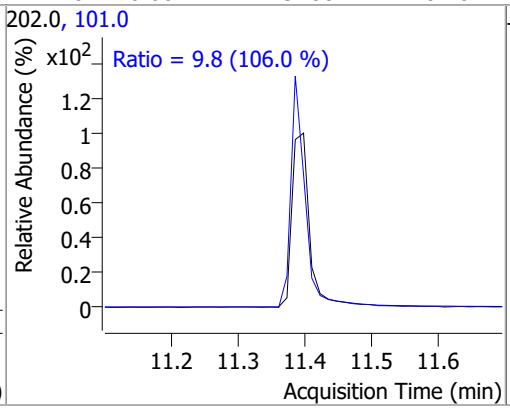


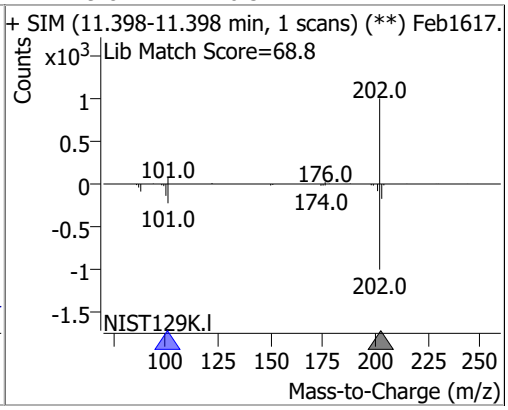
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	4.0403	10.29	-0.01	70031	229.0	64.2	44.8	83.1
					215.0	39.6	27.3	50.6



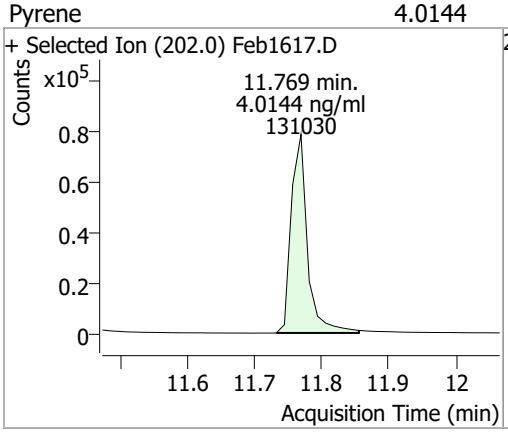
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	3.9753	11.40	0.00	119780	101.0	9.8	6.5	12.1

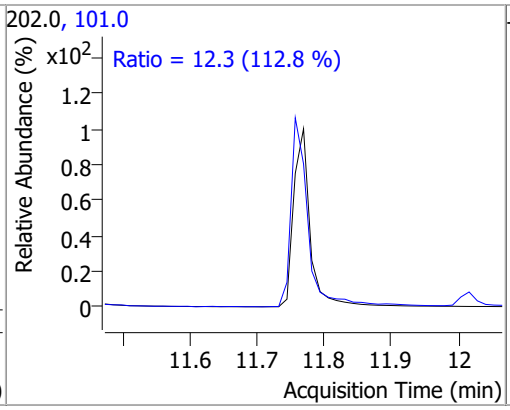


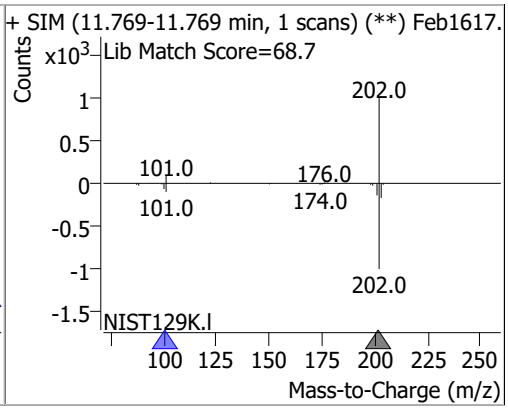




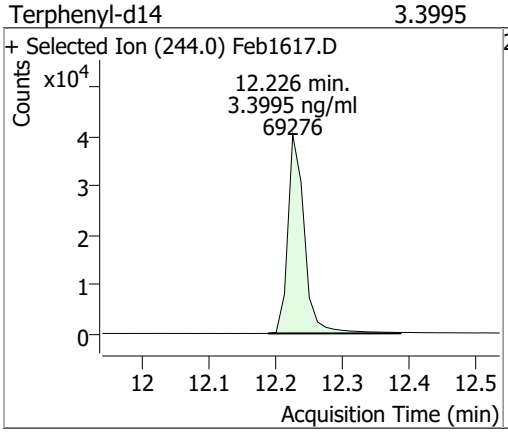
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	4.0144	11.77	0.00	131030	101.0	12.3	7.6	14.2

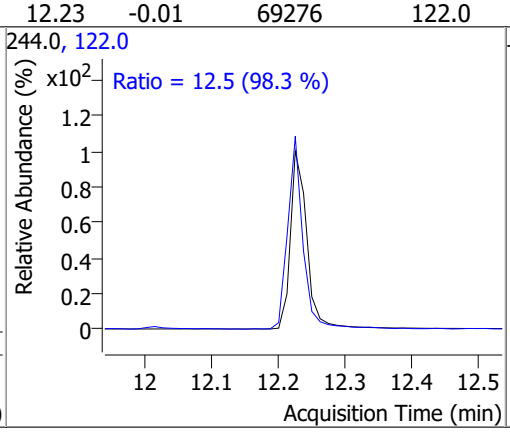


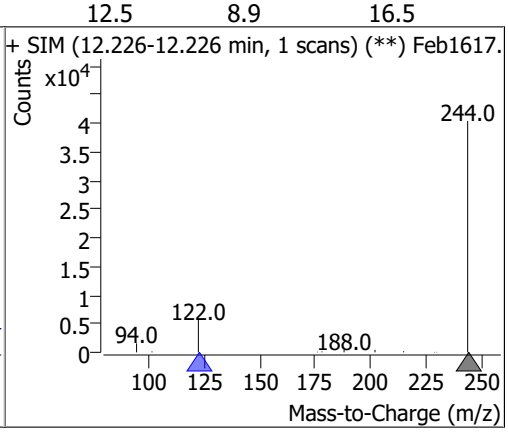




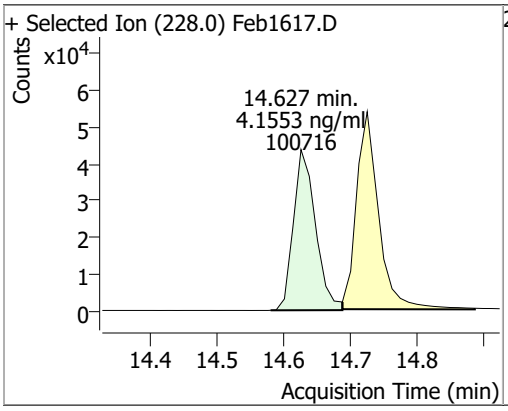
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	3.3995	12.23	-0.01	69276	122.0	12.5	8.9	16.5

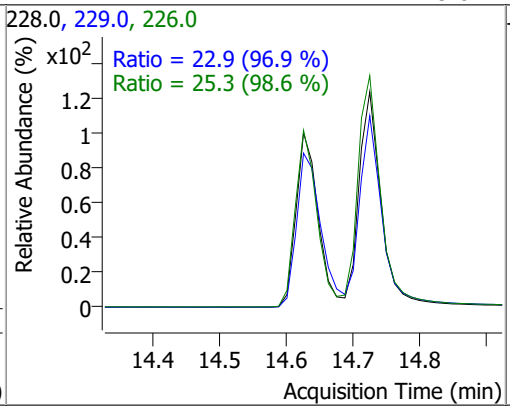


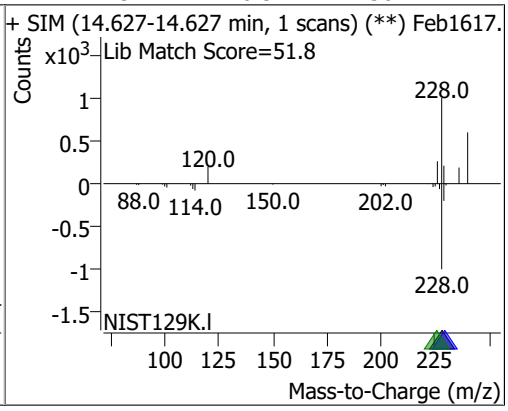




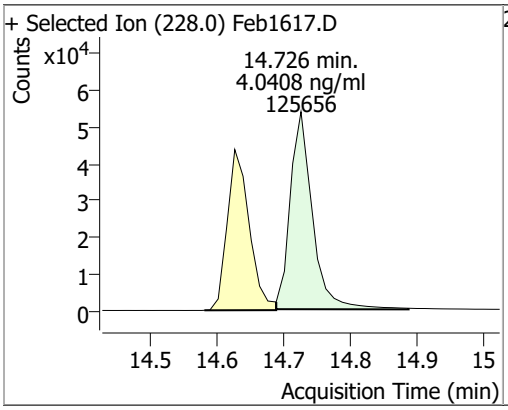
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	4.1553	14.63	0.00	100716	226.0	25.3	18.0	33.4
					229.0	22.9	16.5	30.7

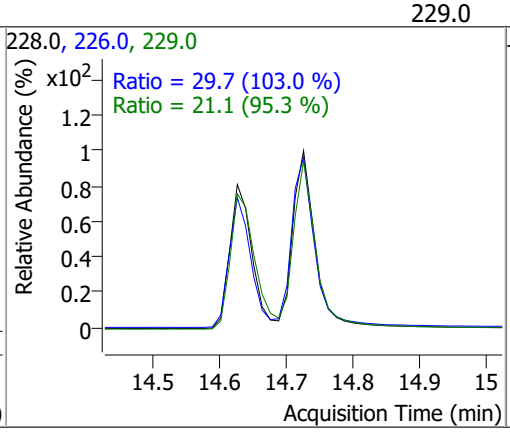


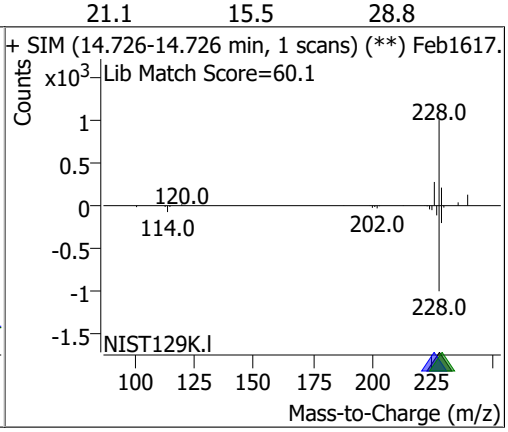




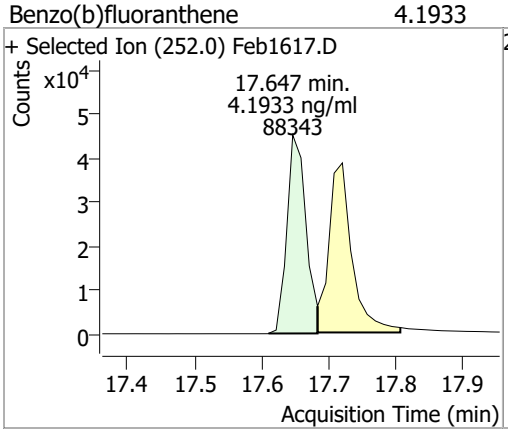
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	4.0408	14.73	0.00	125656	226.0	29.7	20.2	37.5
					229.0	21.1	15.5	28.8

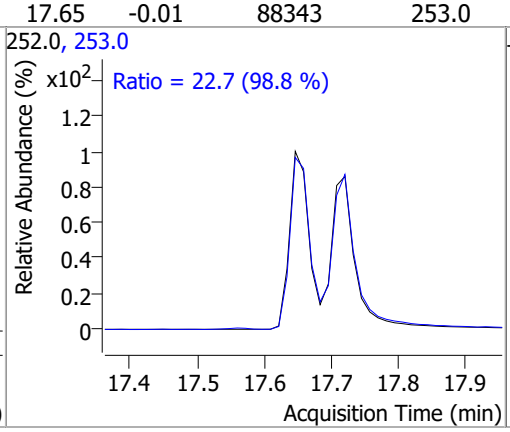


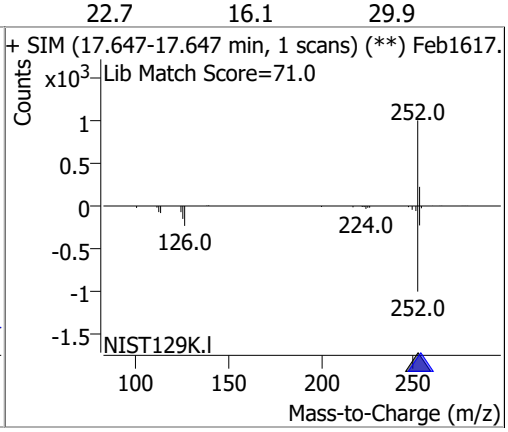




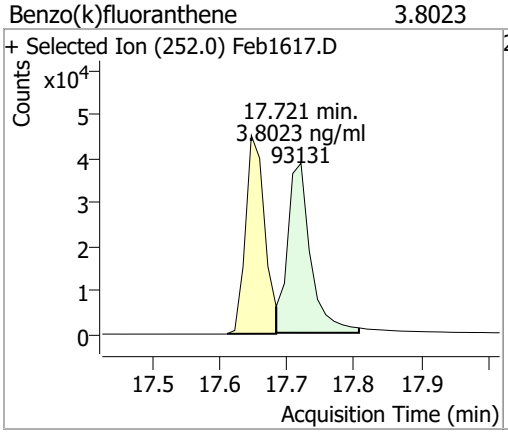
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	4.1933	17.65	-0.01	88343	253.0	22.7	16.1	29.9

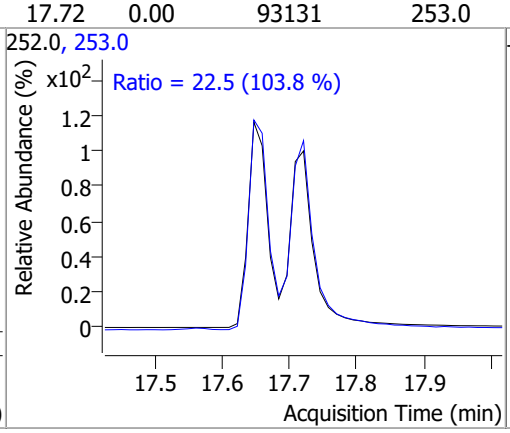


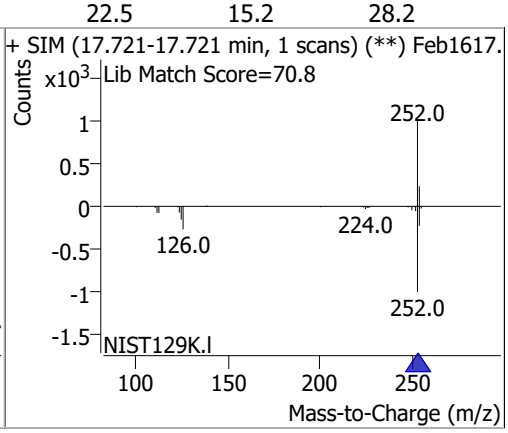




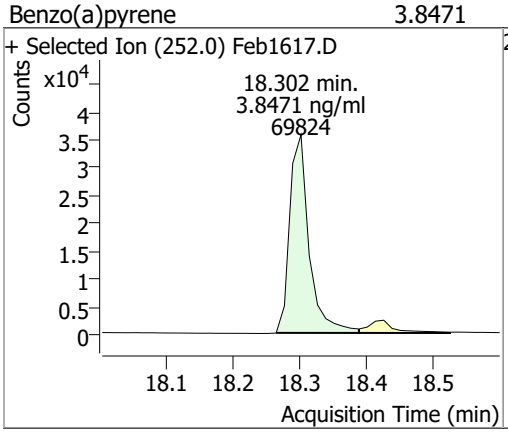
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	3.8023	17.72	0.00	93131	253.0	22.5	15.2	28.2

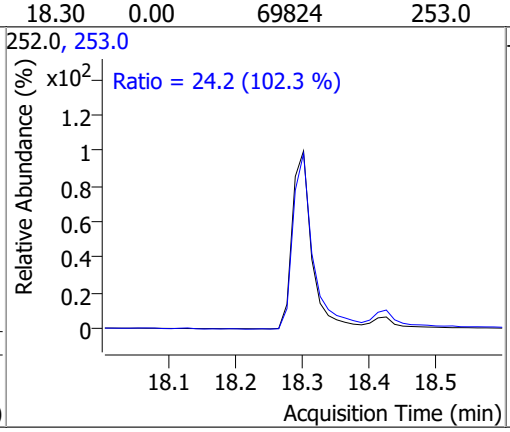


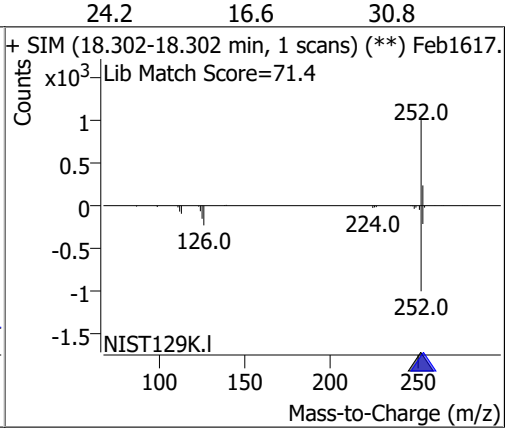




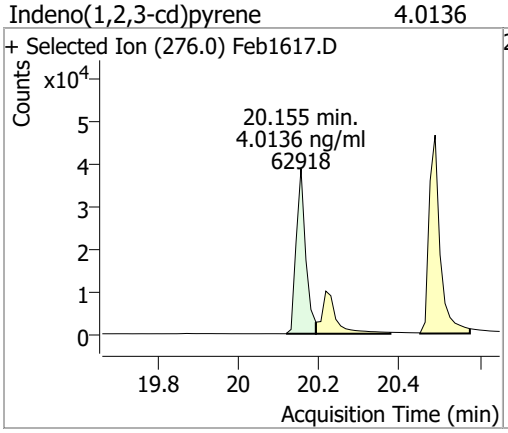
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	3.8471	18.30	0.00	69824	253.0	24.2	16.6	30.8

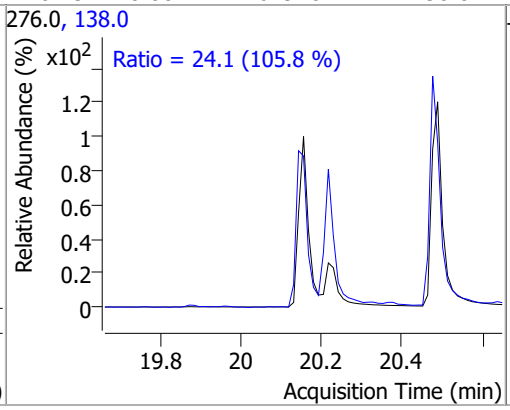


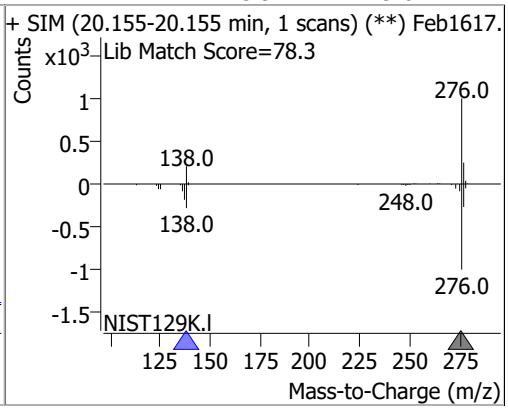




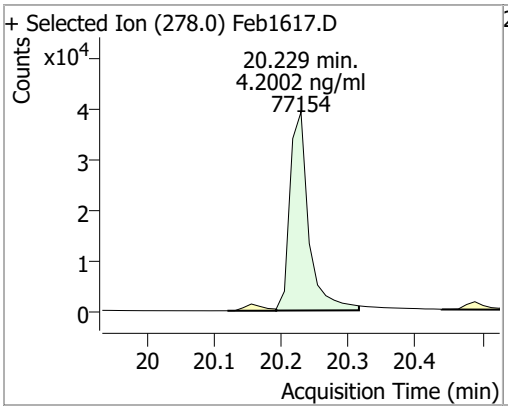
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	4.0136	20.15	0.00	62918	138.0	24.1	15.9	29.6

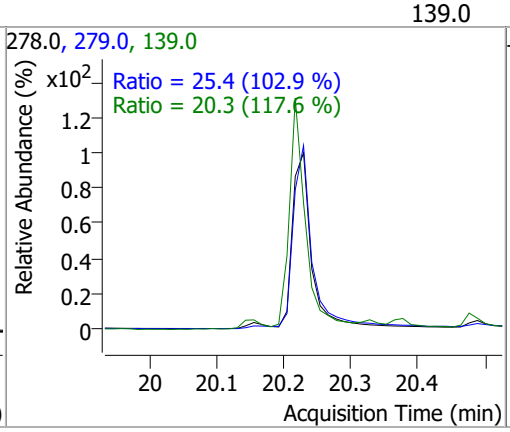


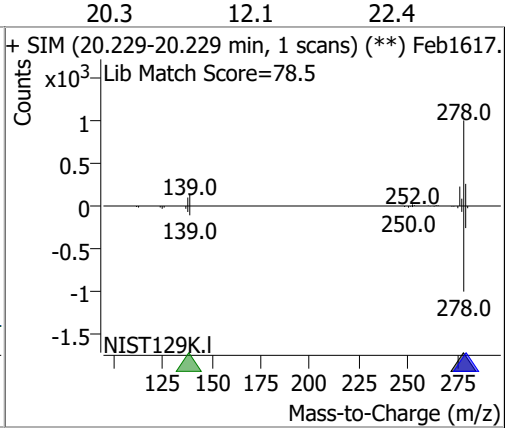




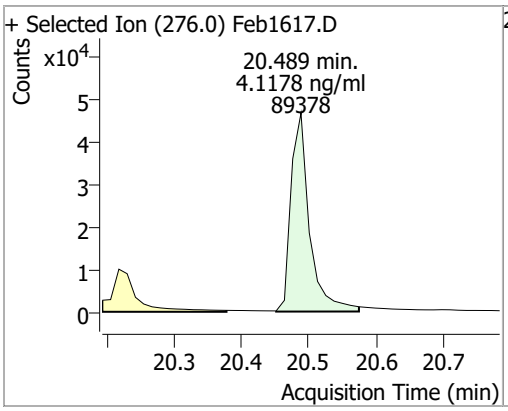
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	4.2002	20.23	0.00	77154	279.0	25.4	17.3	32.0
					139.0	20.3	12.1	22.4

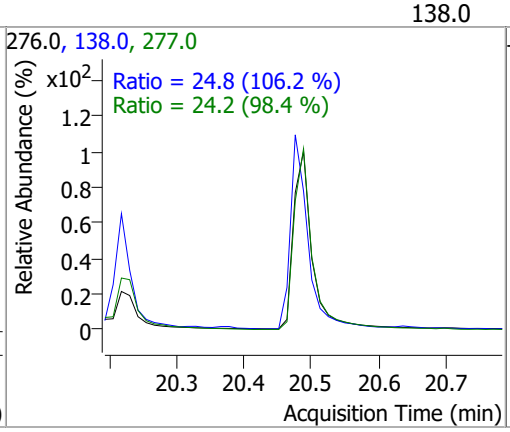


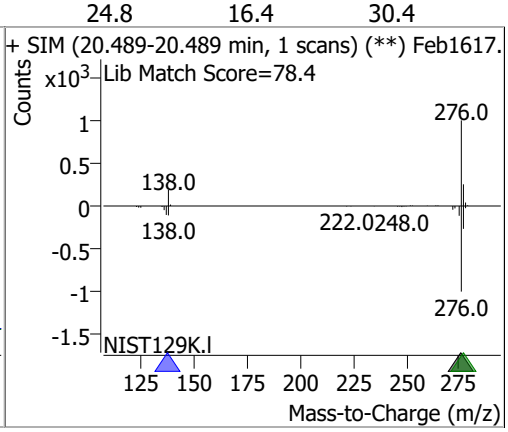




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	4.1178	20.49	0.00	89378	277.0	24.2	17.2	32.0
					138.0	24.8	16.4	30.4



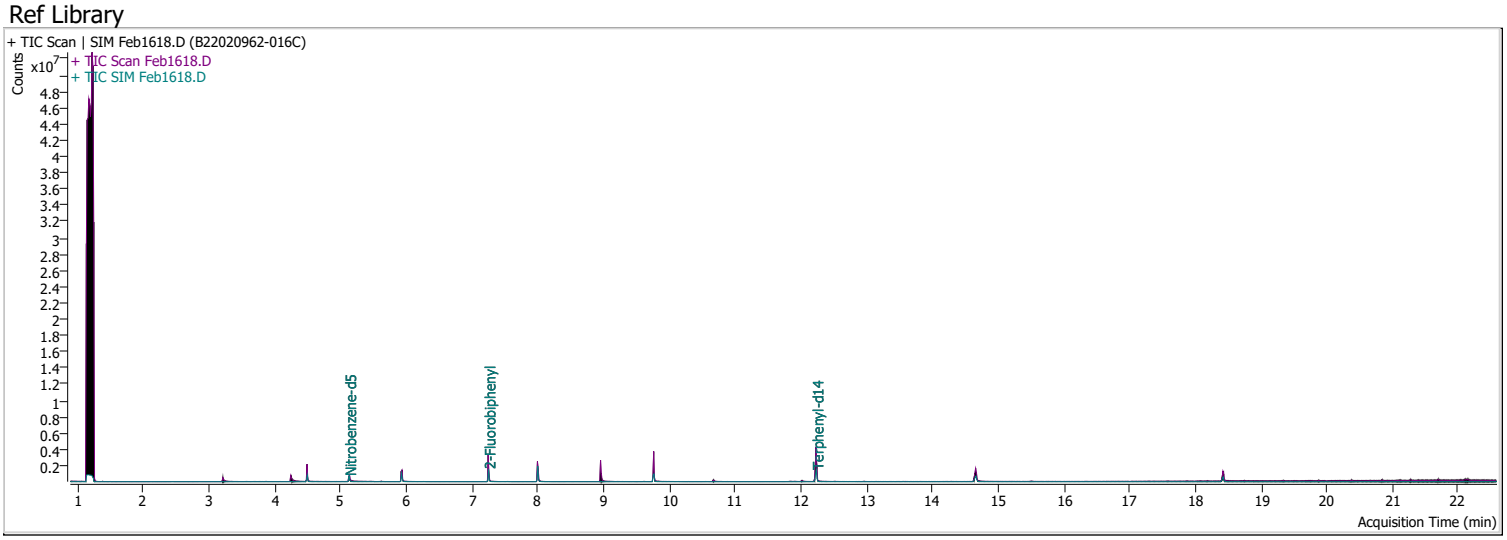




Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

Data File	Feb1618.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 9:42:35 PM
Sample Name	B22020962-016C	Instrument	GCMS
Vial	18	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

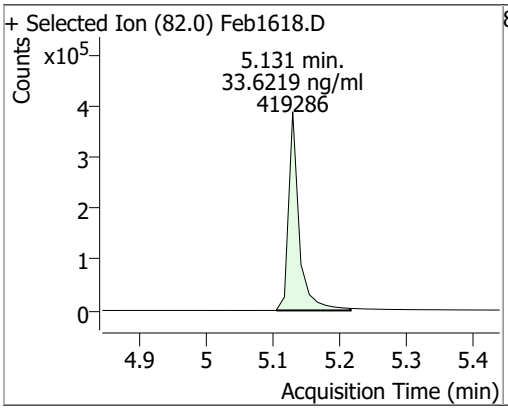


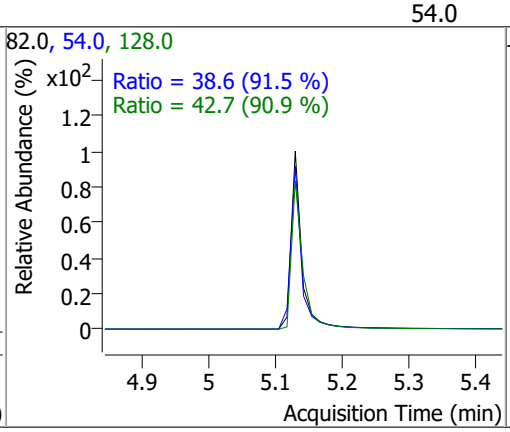
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	254041	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1048285	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.000	164.0	716809	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1295514	40.0000	ng/ml		0.000
M Chrysene-d12	14.664	240.0	1017401	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	648268	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.131	82.0	419286	33.6219	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 672.44%		*	
S 2-Fluorobiphenyl	7.252	172.0	1026380	28.4585	ng/ml		-0.013
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 569.17%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.238	244.0	1850410	48.7816	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 975.63%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.000	154.0	0		ng/ml	md	1
T Fluorene	8.960	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.664	228.0	0		ng/ml	md	1
T Chrysene	14.664	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

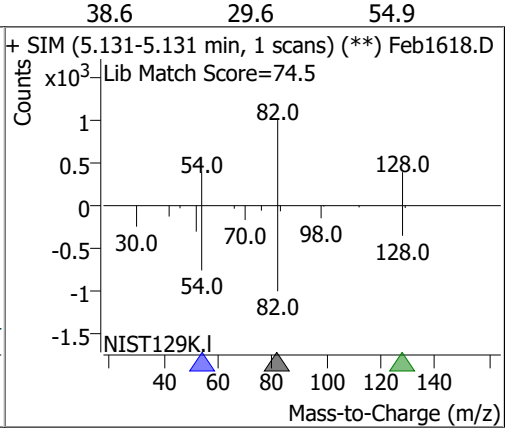
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.425	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

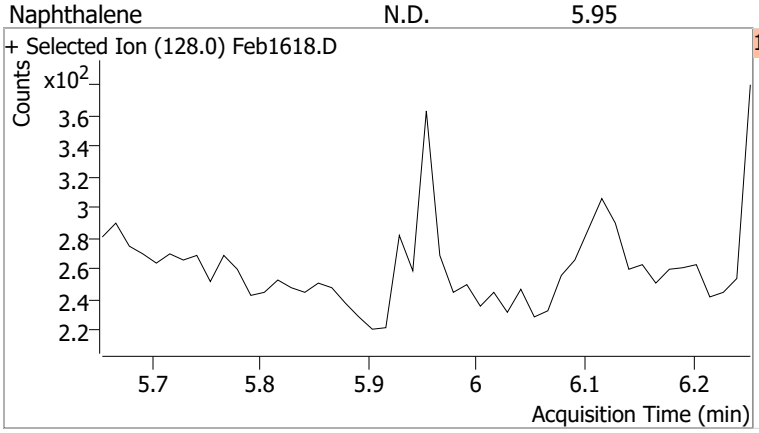
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	33.6219	5.13	-0.01	419286	128.0	42.7	32.9	61.0
					54.0	38.6	29.6	54.9

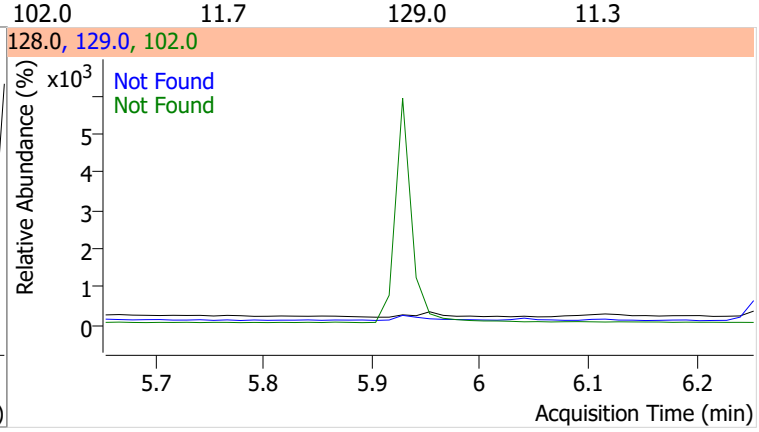




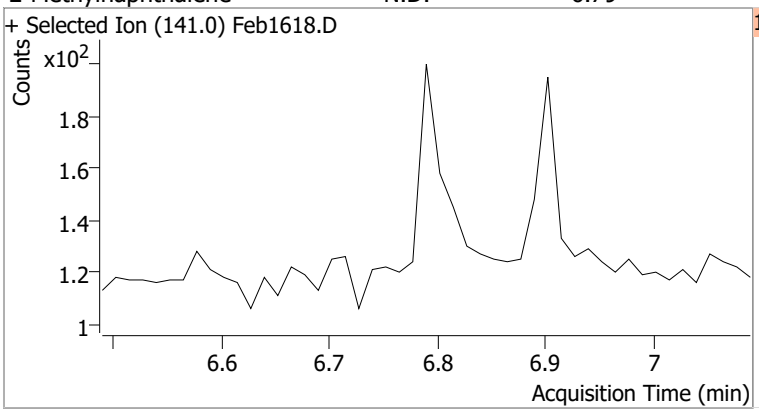


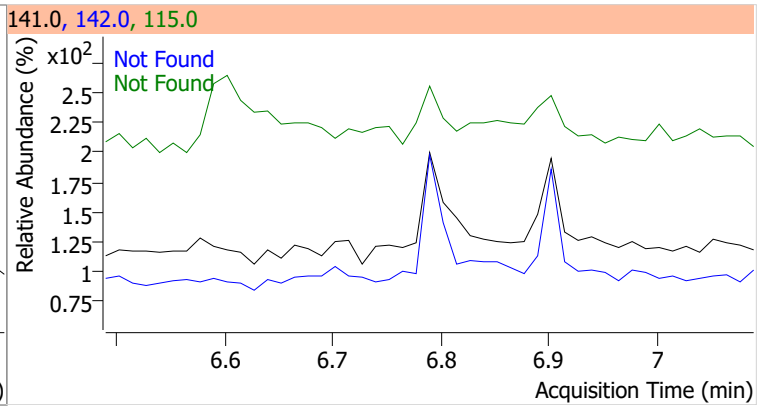
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.95	102.0	11.7	129.0	11.3



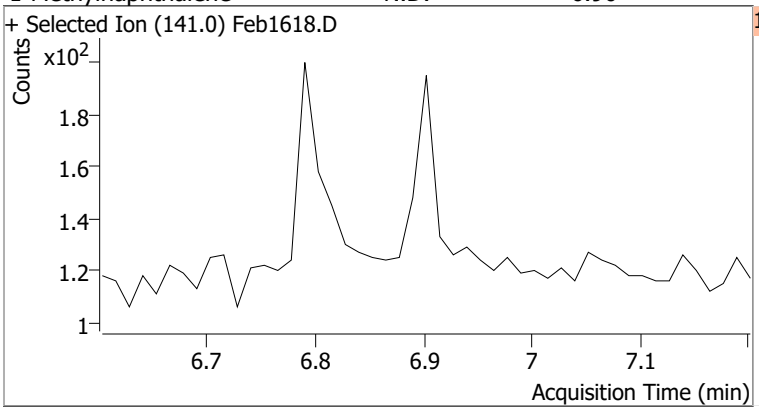


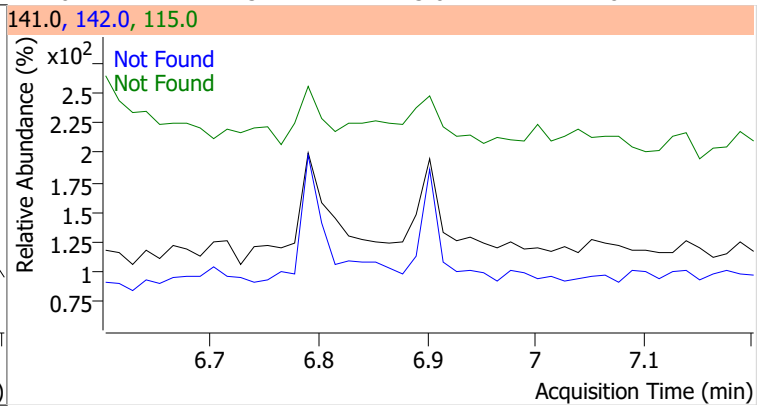
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.79	142.0	137.8	115.0	47.4



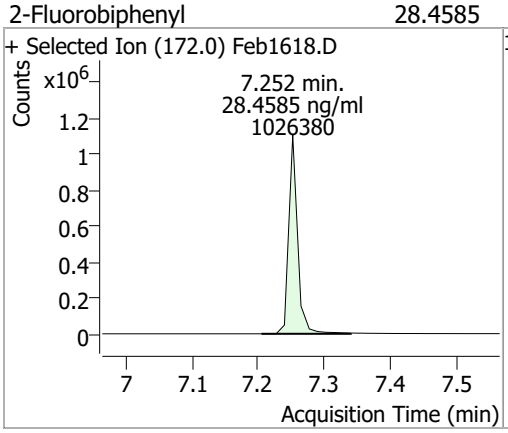


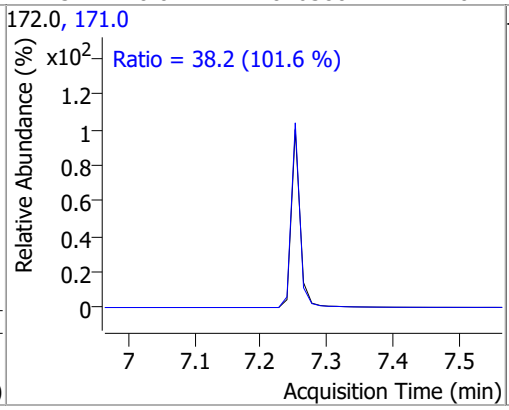
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.90	142.0	117.5	115.0	47.8

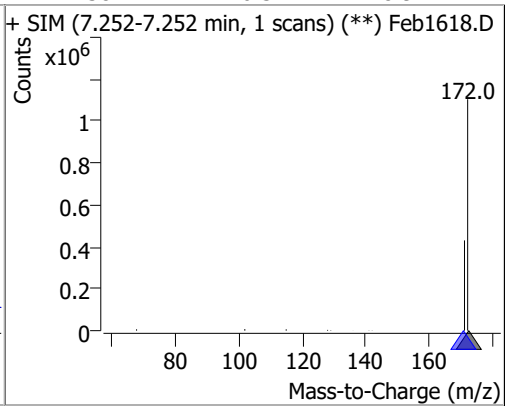




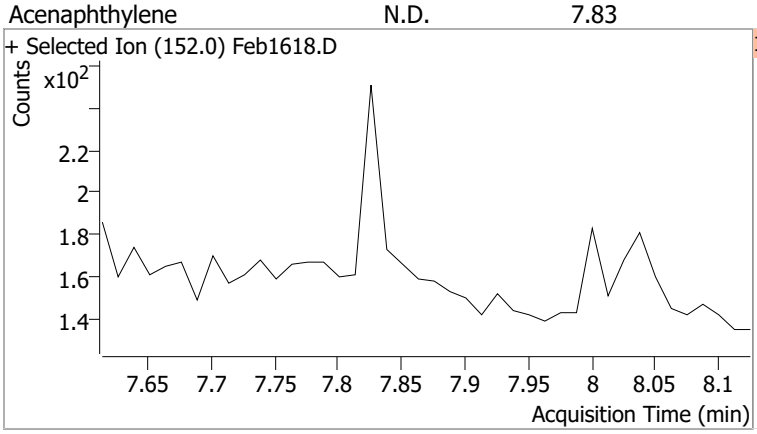
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	28.4585	7.25	-0.01	1026380	171.0	38.2	26.3	48.9

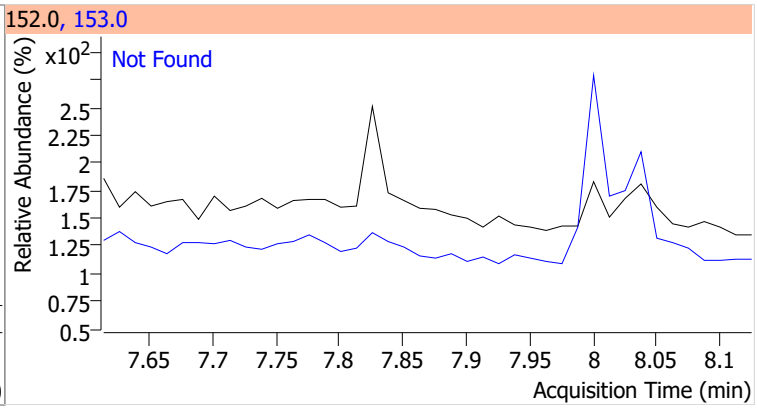




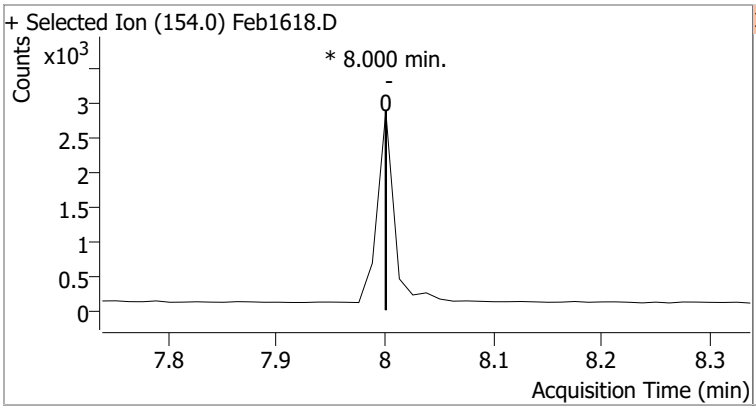


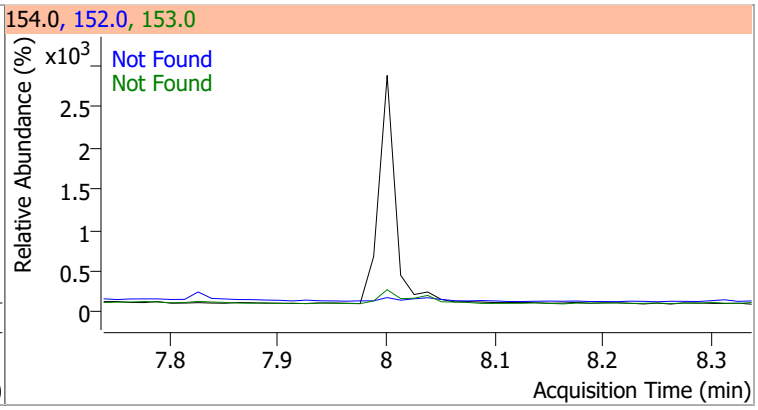
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	16.9



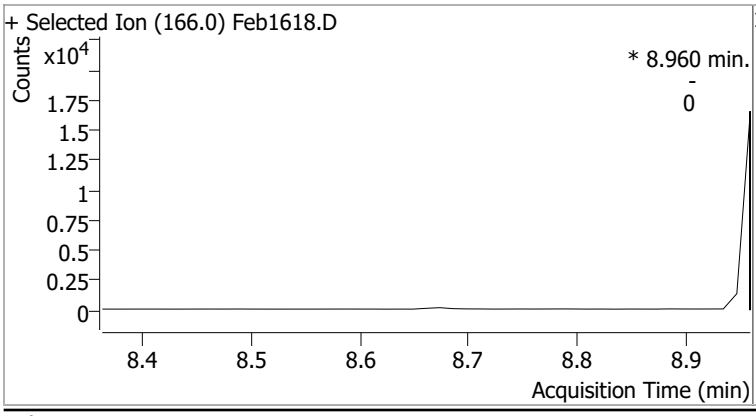


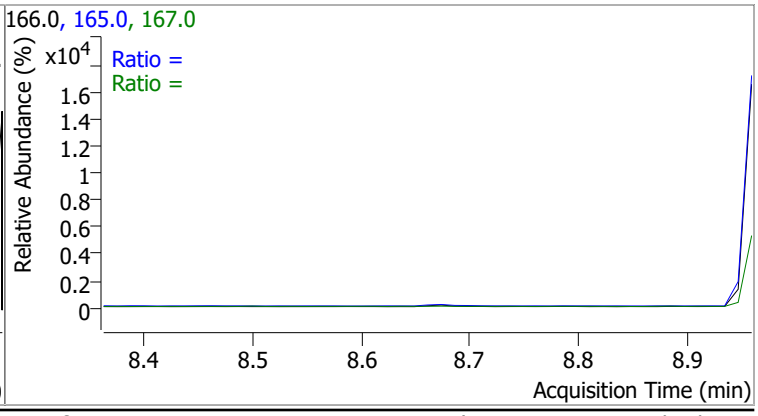
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		78.7	146.2
					152.0		36.5	67.8



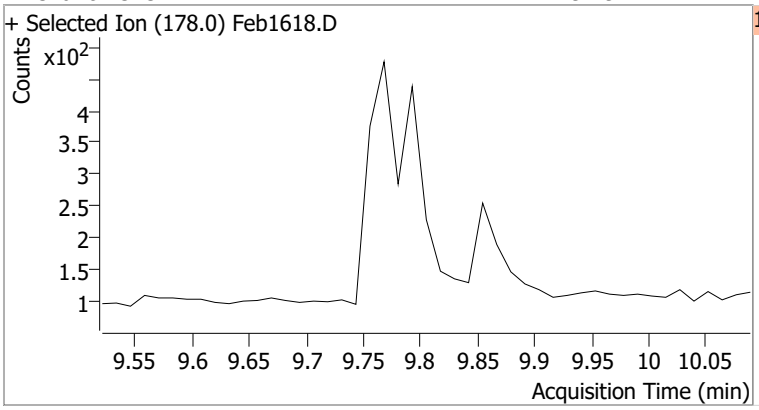


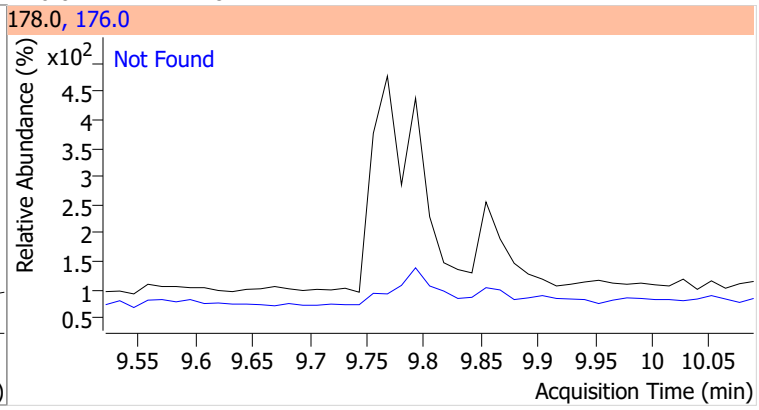
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		68.8	127.8
					167.0		7.2	13.4



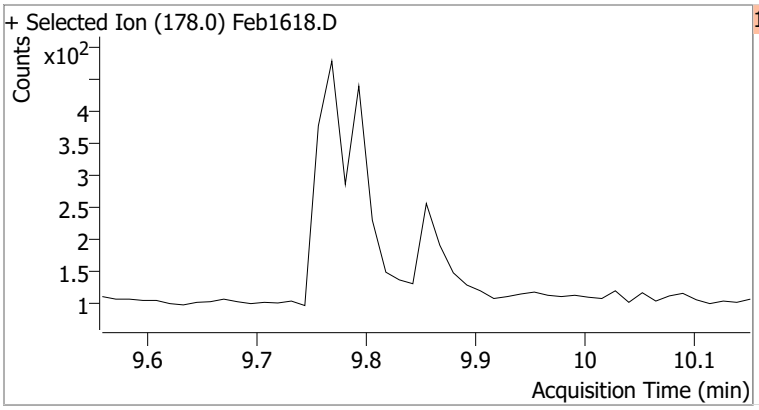


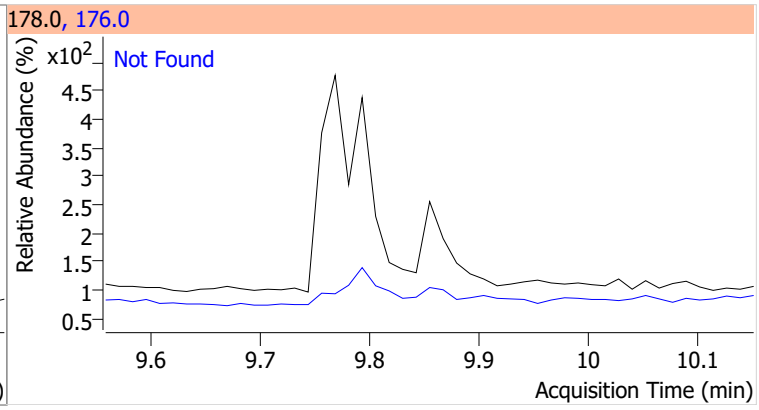
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.1



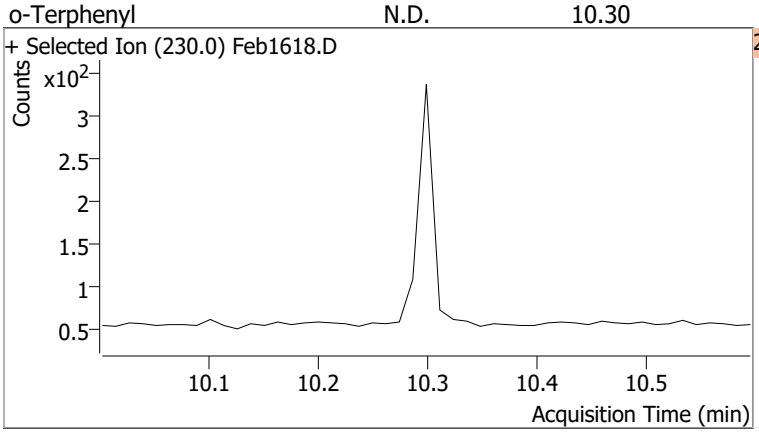


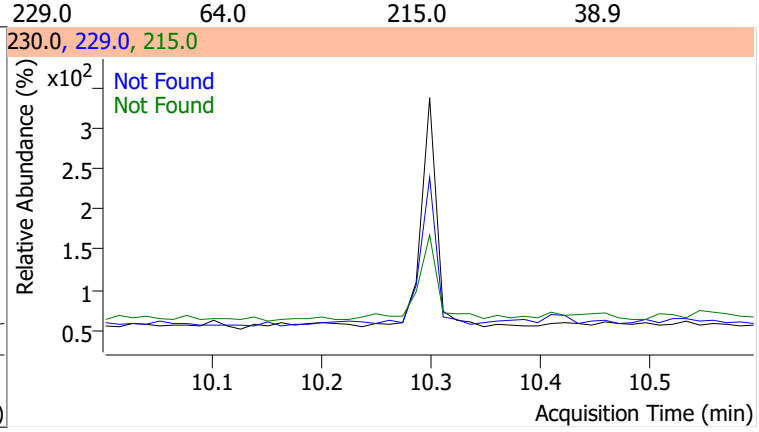
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.85	176.0	17.1



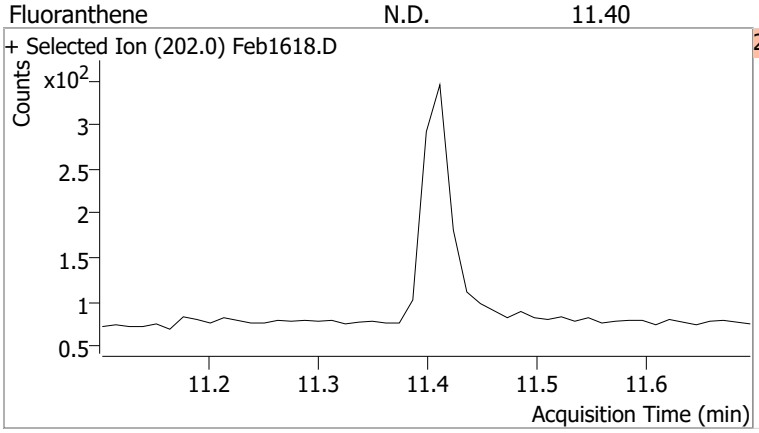


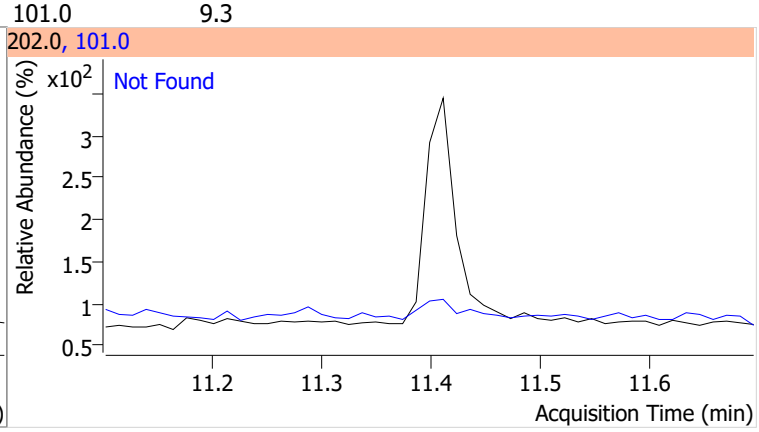
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.30	229.0	64.0	215.0	38.9



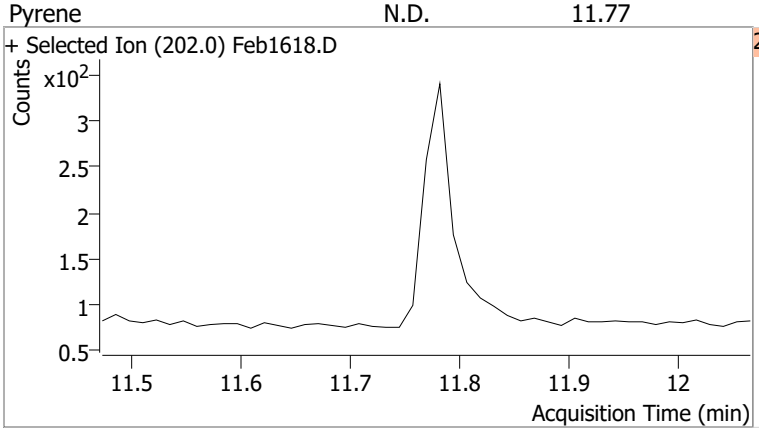


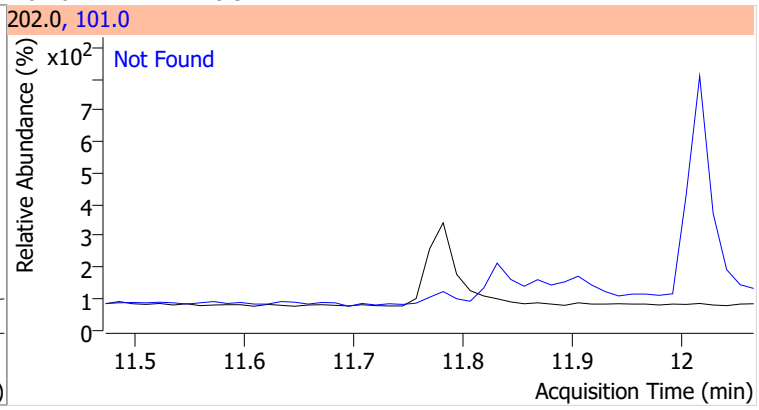
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.40	101.0	9.3



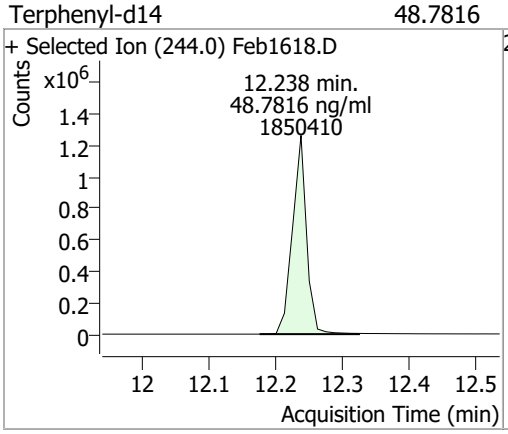


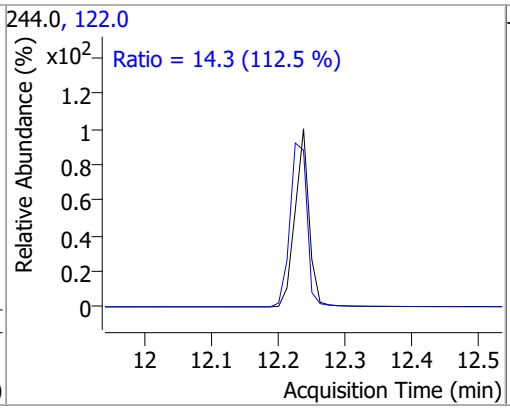
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.77	101.0	10.9

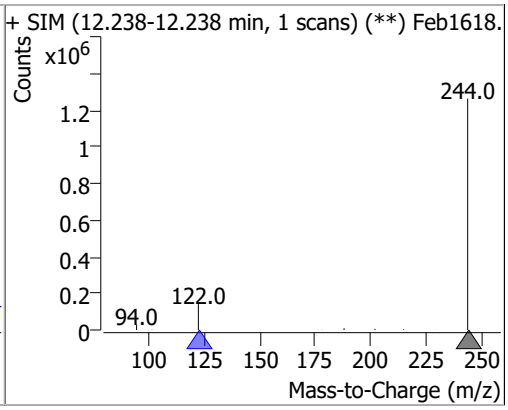




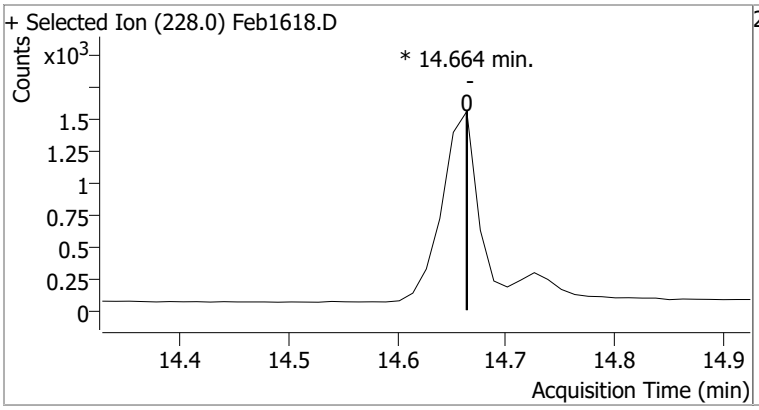
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	48.7816	12.24	0.00	1850410	122.0	14.3	8.9	16.5

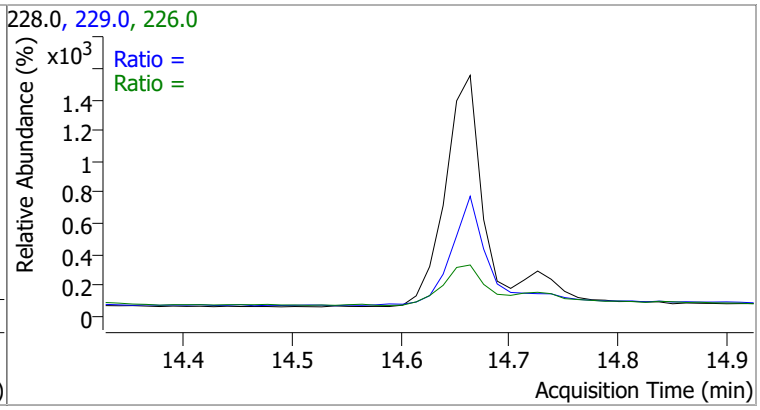




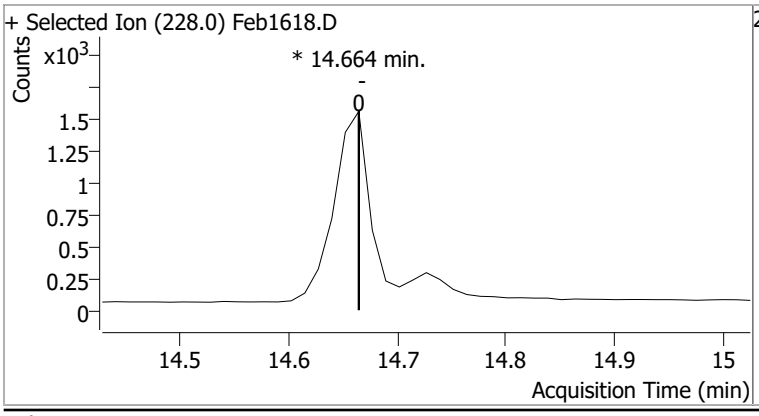


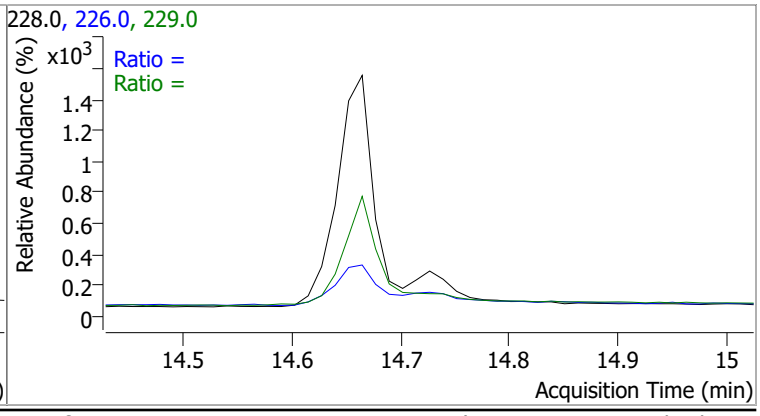
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.0	33.4
					229.0		16.5	30.7



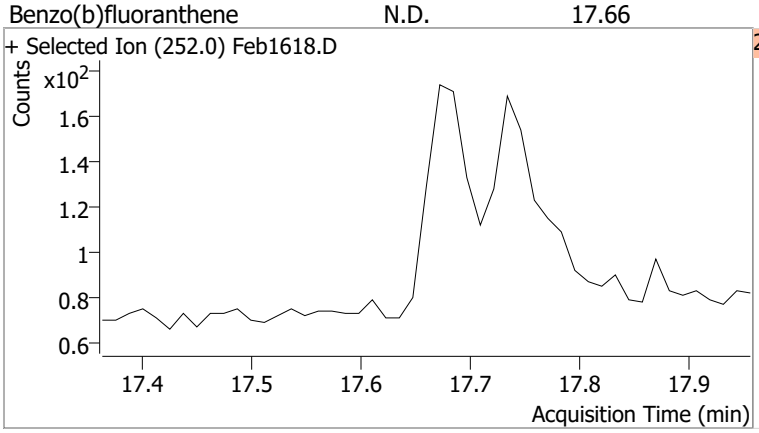


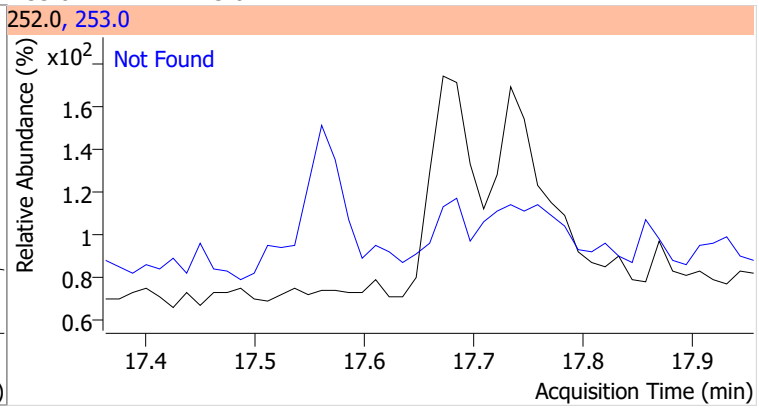
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		20.2	37.5
					229.0		15.5	28.8



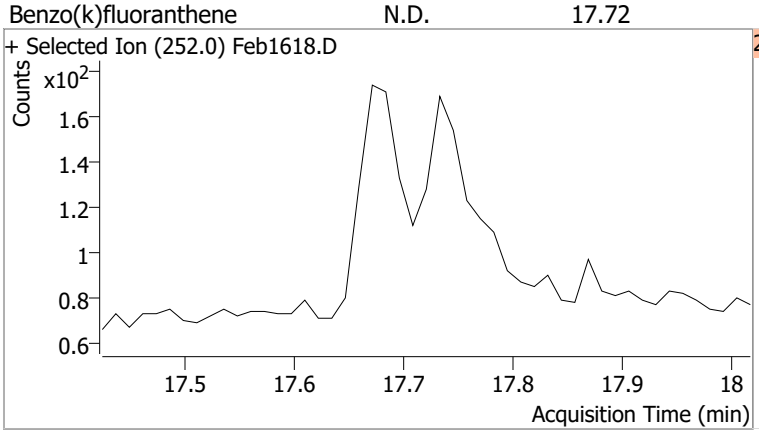


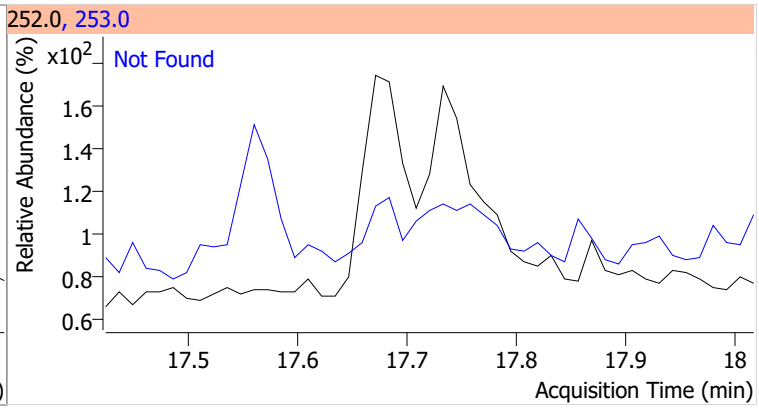
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.66	253.0	23.0



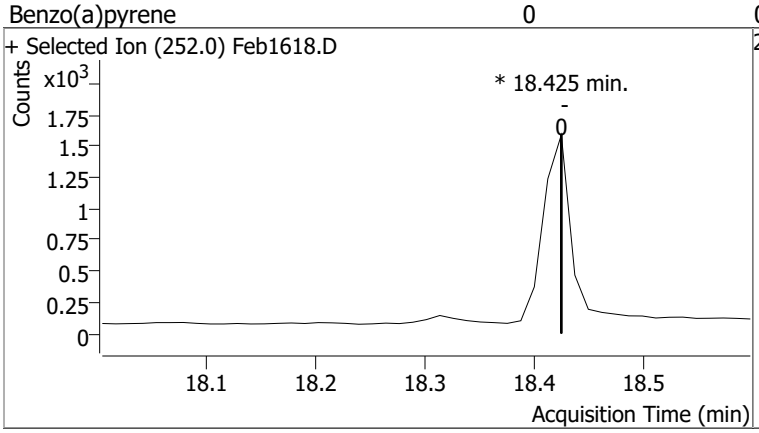


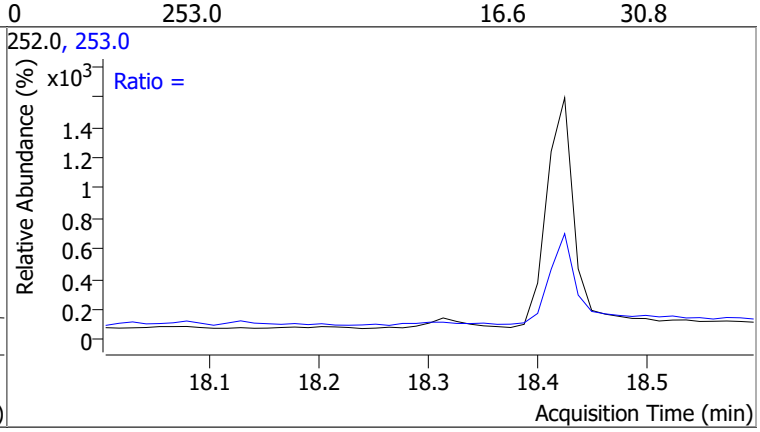
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.72	253.0	21.7



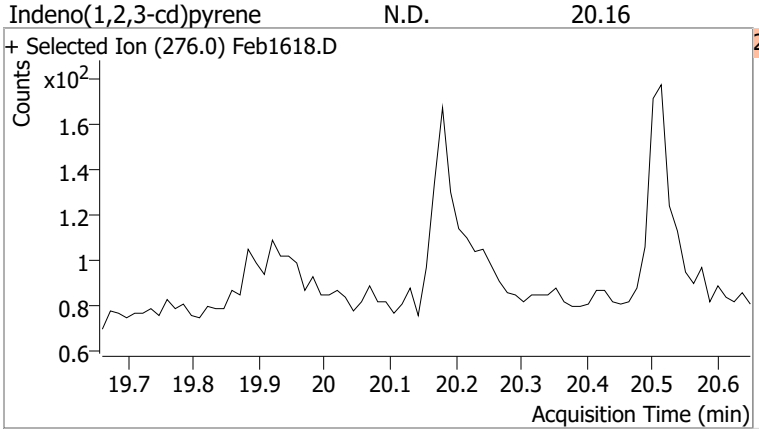


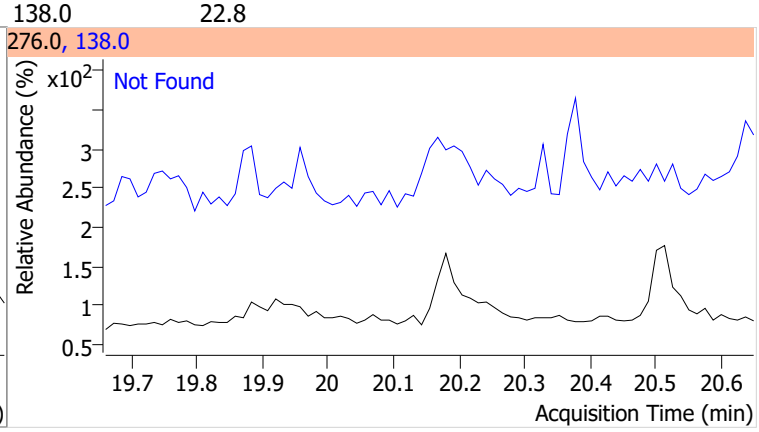
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.6	30.8



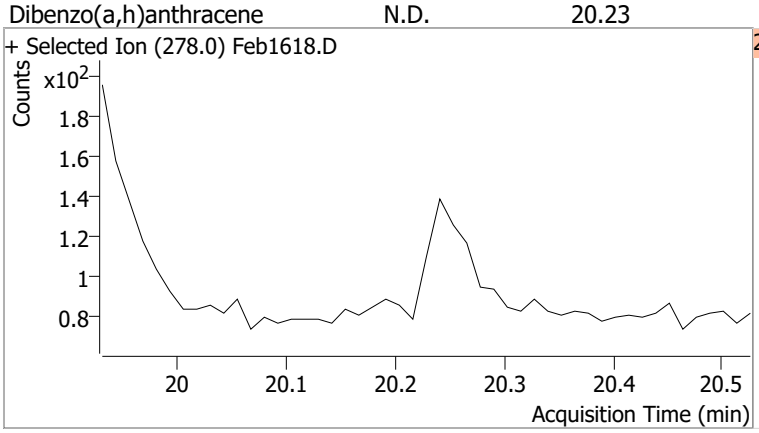


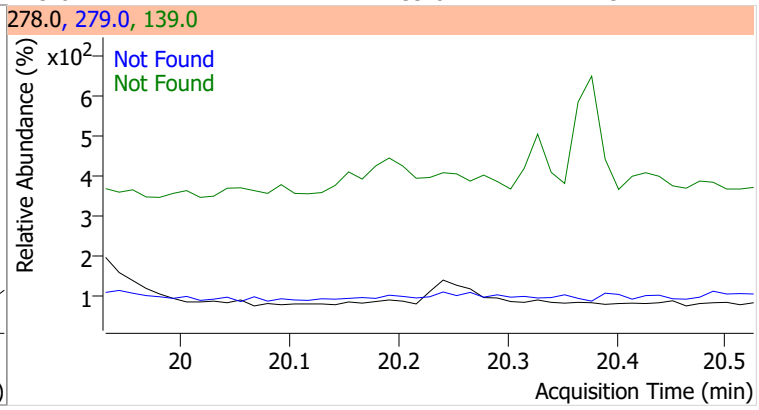
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.16	138.0	22.8



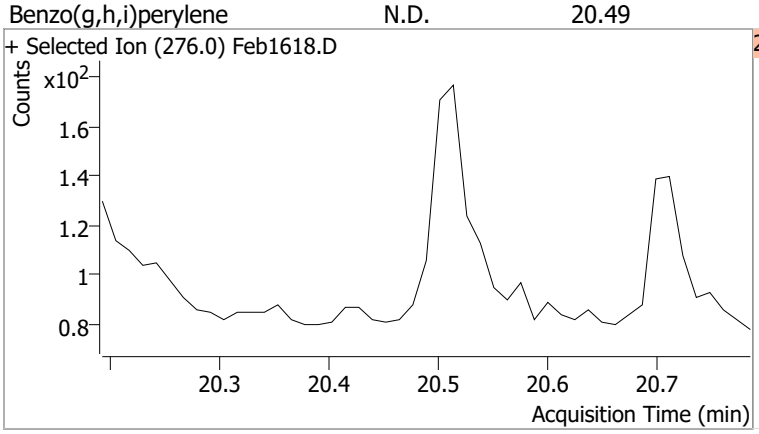


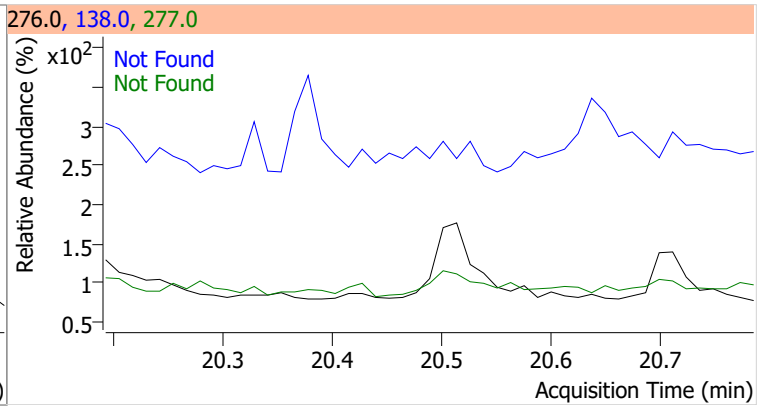
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.7	139.0	17.3





Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.6	138.0	23.4

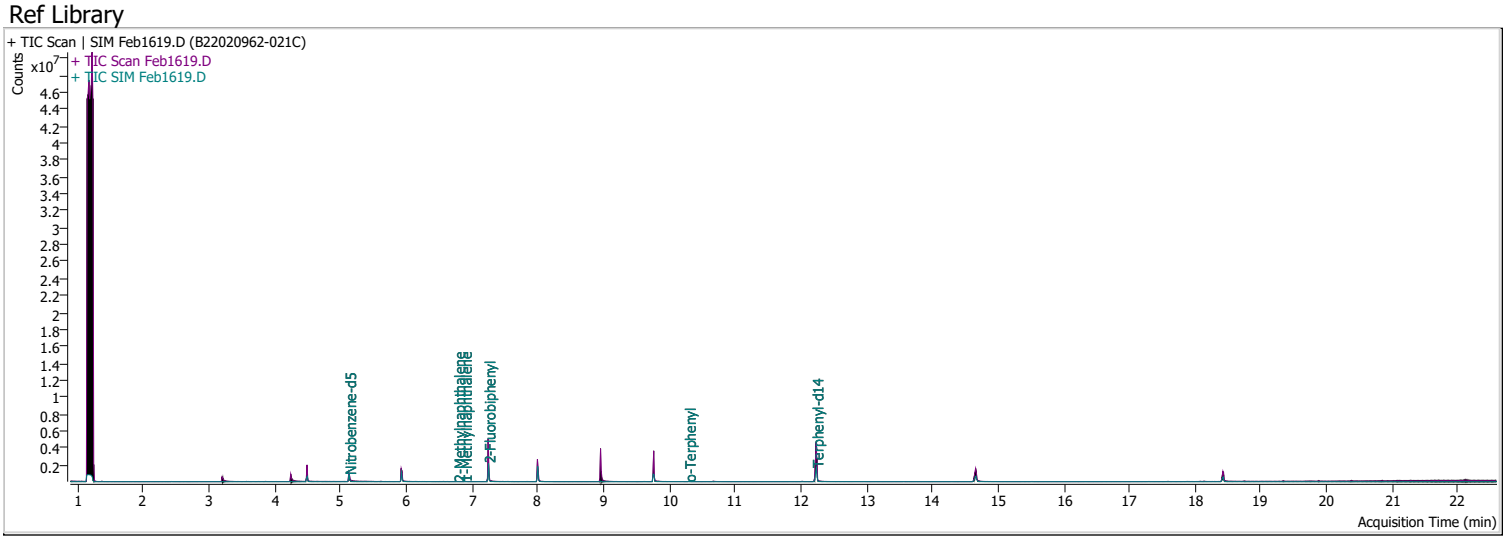




Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

Data File	Feb1619.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 10:14:47 PM
Sample Name	B22020962-021C	Instrument	GCMS
Vial	19	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

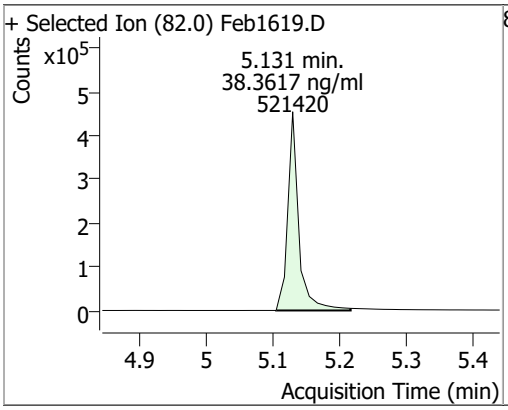


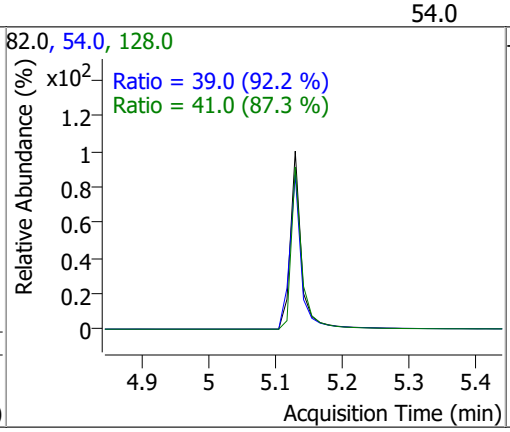
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	254518	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1032145	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.001	164.0	716319	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1279788	40.0000	ng/ml		0.000
M Chrysene-d12	14.664	240.0	1020449	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	642536	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.131	82.0	521420	38.3617	ng/ml		-0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 767.23%		*	
S 2-Fluorobiphenyl	7.252	172.0	1479704	36.0235	ng/ml		-0.012
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 720.47%		*	
S o-Terphenyl	10.299	230.0	2892	0.1217	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 2.43%		*	
S Terphenyl-d14	12.238	244.0	2141416	53.6125	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1072.25%		*	
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	0		ng/ml	md	1
T 2-Methylnaphthalene	6.790	141.0	1114	0.0695	ng/ml		80
T 1-Methylnaphthalene	6.890	141.0	1267	0.0718	ng/ml		83
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.001	154.0	0		ng/ml	md	1
T Fluorene	8.674	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.664	228.0	0		ng/ml	md	1
T Chrysene	14.727	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

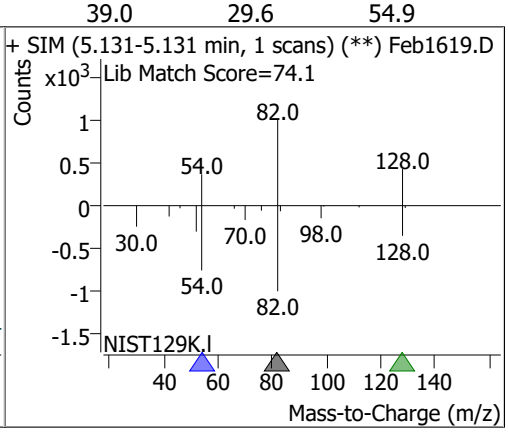
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.314	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

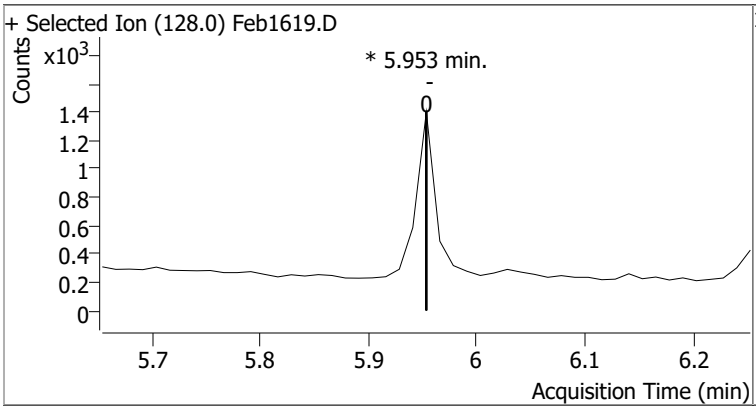
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	38.3617	5.13	-0.01	521420	128.0	41.0	32.9	61.0
					54.0	39.0	29.6	54.9

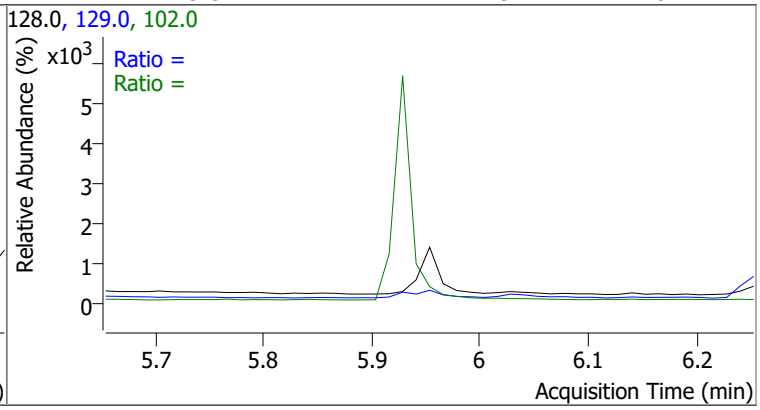




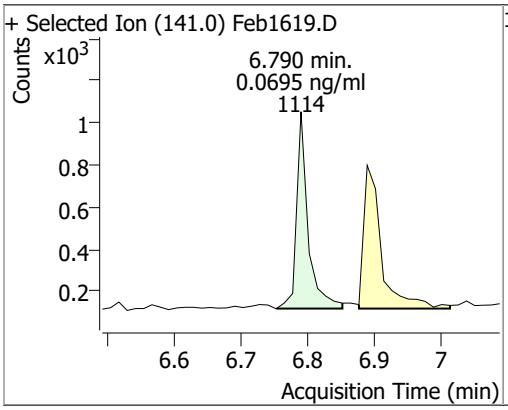


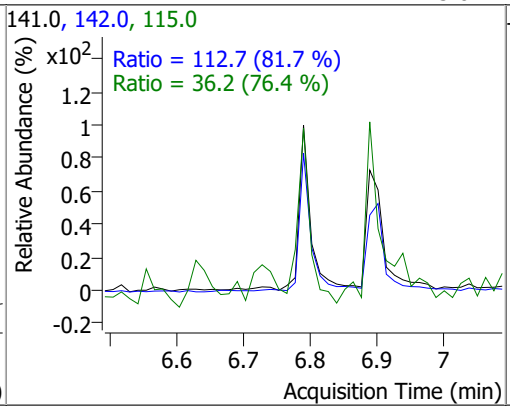
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene		0	0	0	102.0		0.0	35.2
					129.0		7.9	14.6

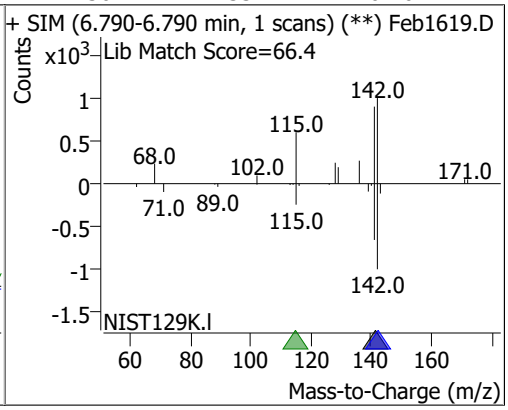




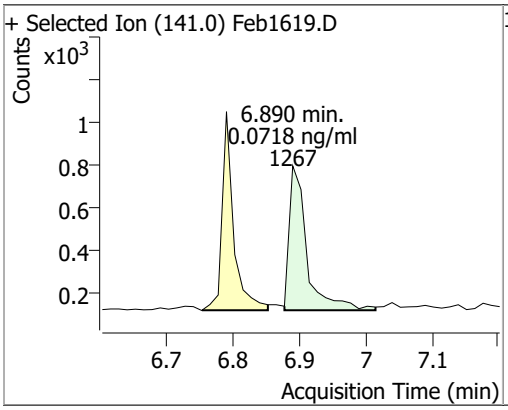
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	0.0695	6.79	0.00	1114	142.0	112.7	96.5	179.2
					115.0	36.2	33.2	61.6

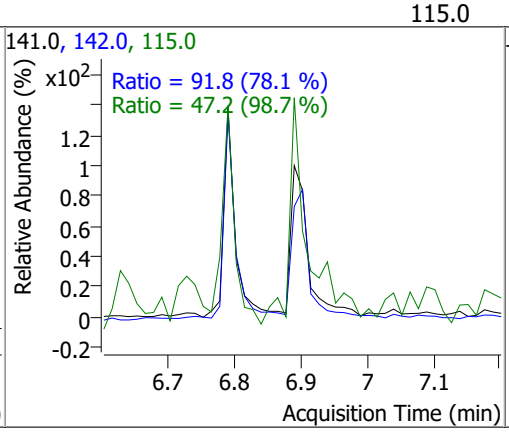


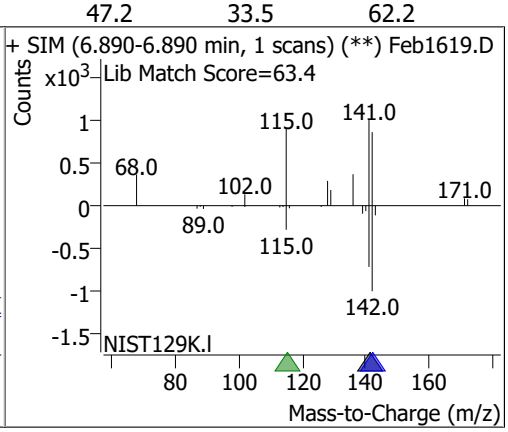




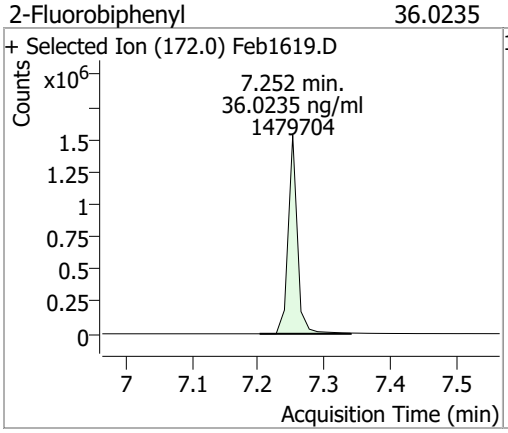
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	0.0718	6.89	-0.01	1267	142.0	91.8	82.3	152.8
					115.0	47.2	33.5	62.2

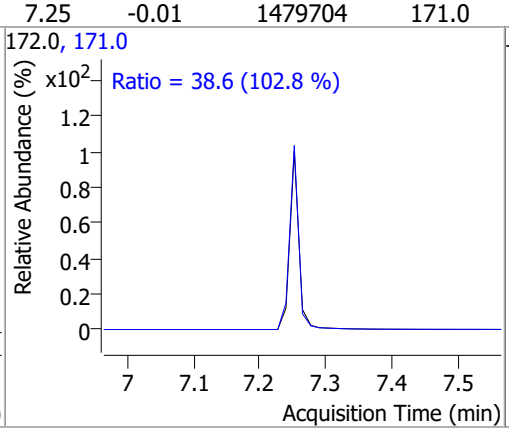


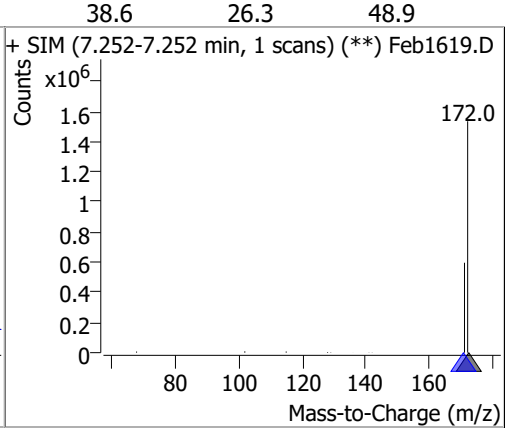




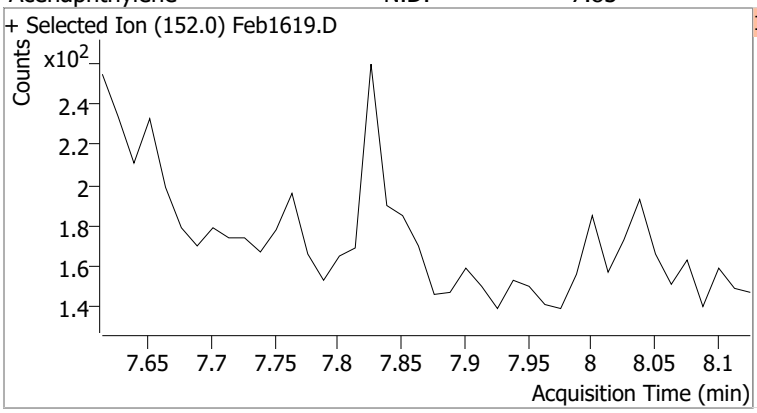
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	36.0235	7.25	-0.01	1479704	171.0	38.6	26.3	48.9

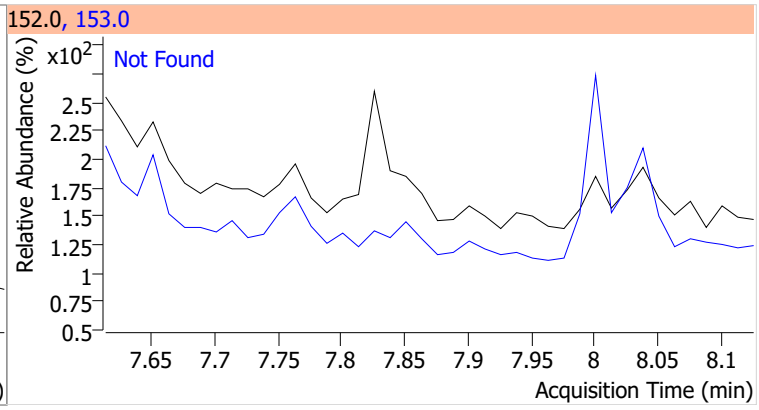




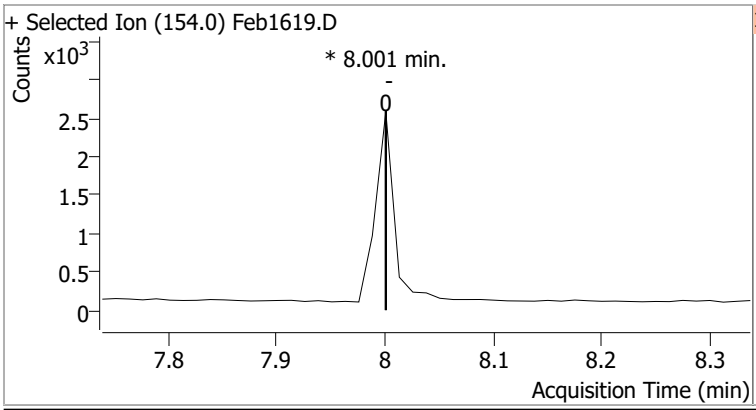


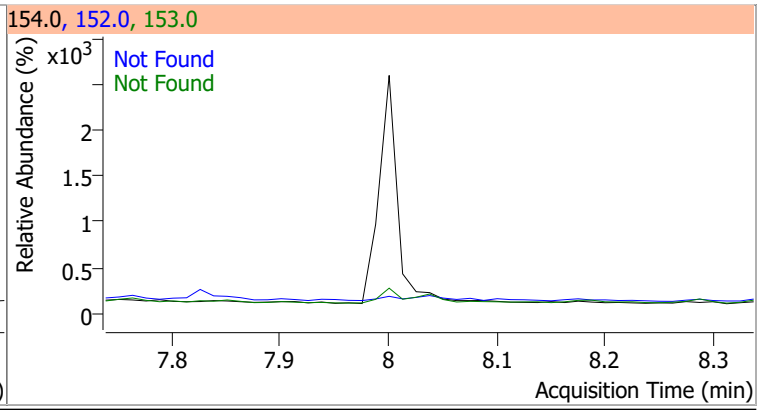
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	16.9



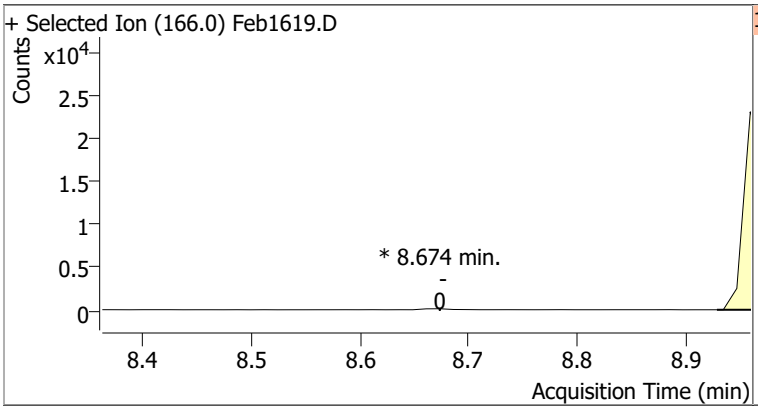


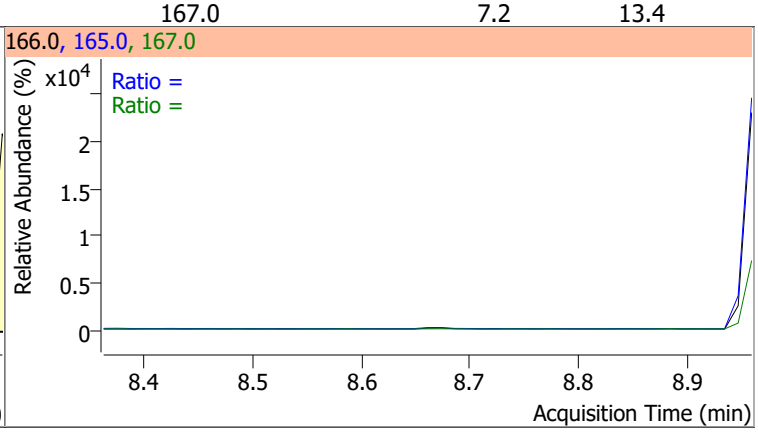
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		78.7	146.2
					152.0		36.5	67.8



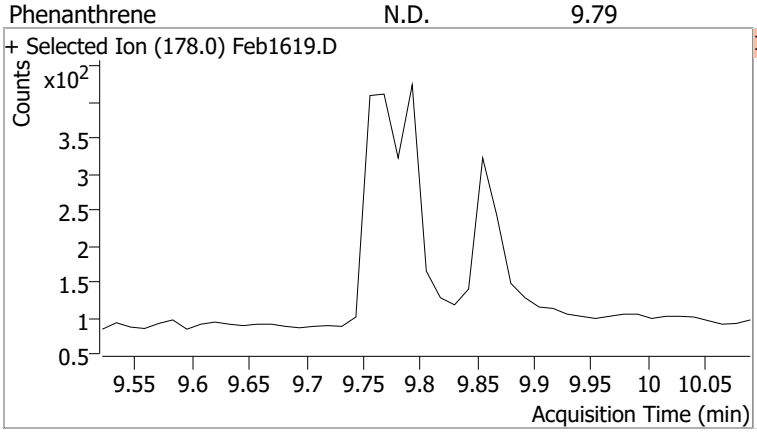


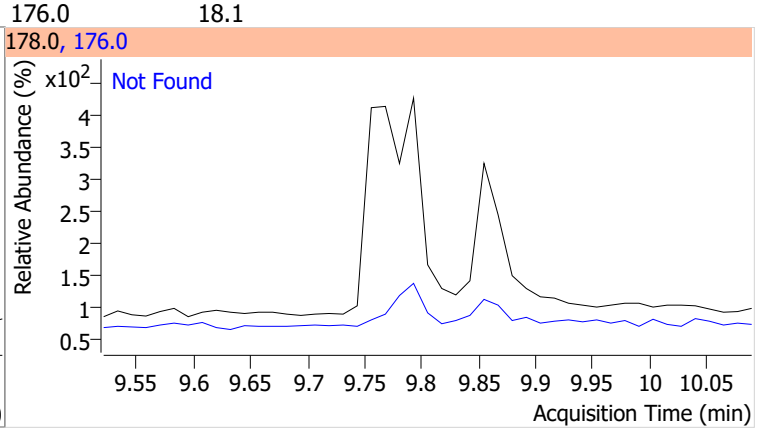
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		68.8	127.8
					167.0		7.2	13.4



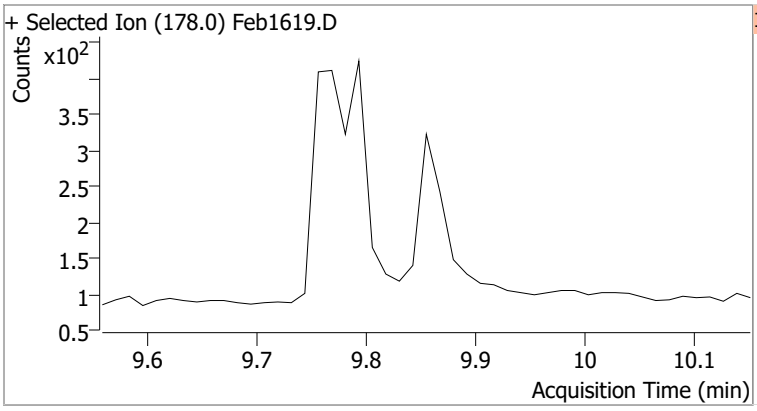


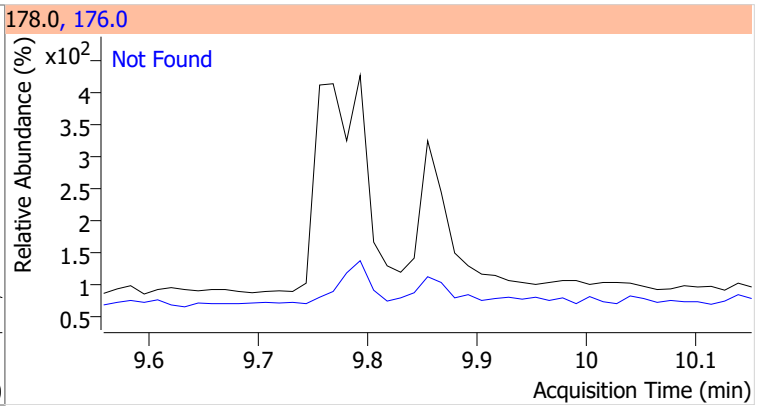
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.1



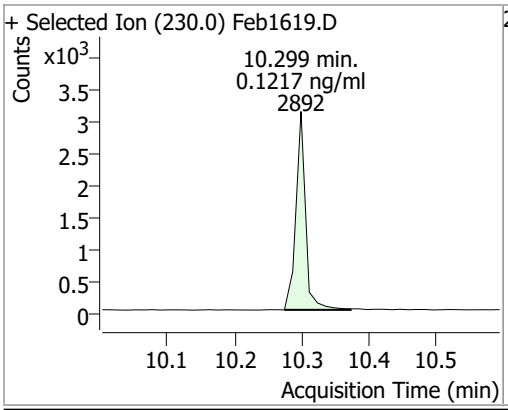


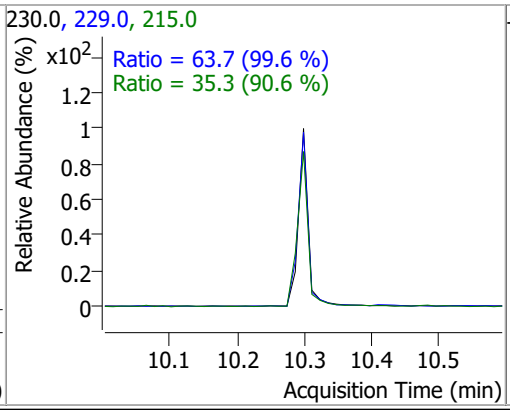
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.85	176.0	17.1

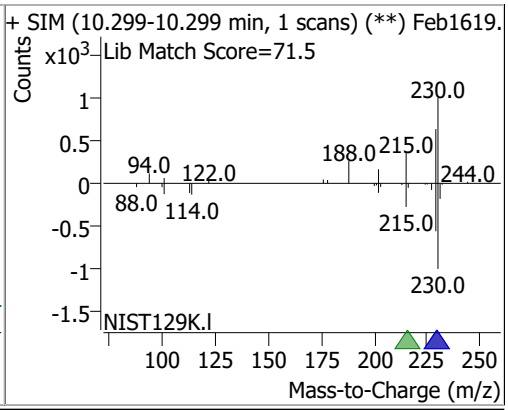




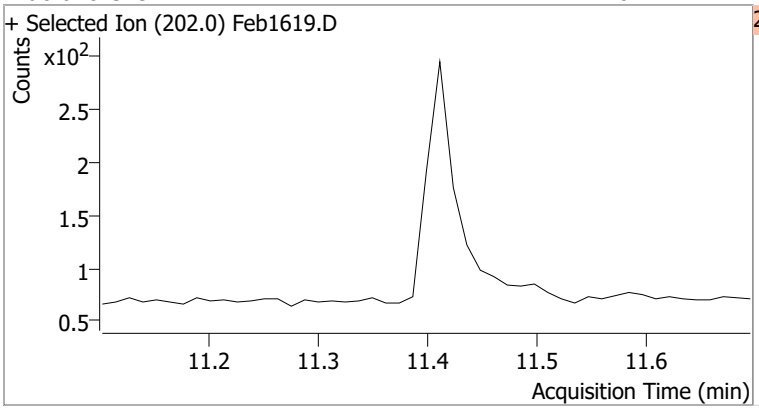
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	0.1217	10.30	0.00	2892	229.0	63.7	44.8	83.1
					215.0	35.3	27.3	50.6

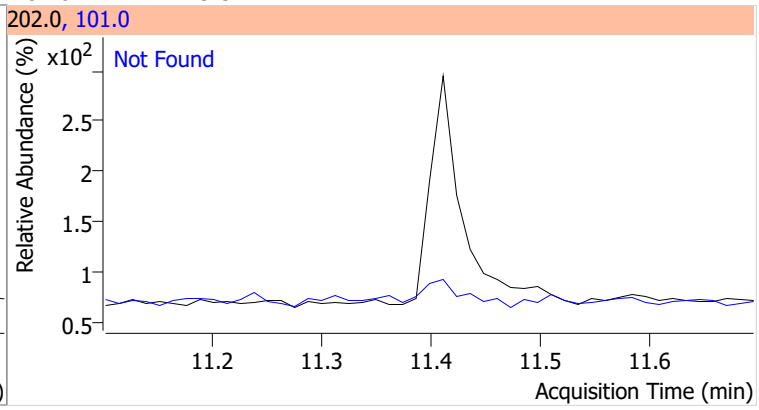




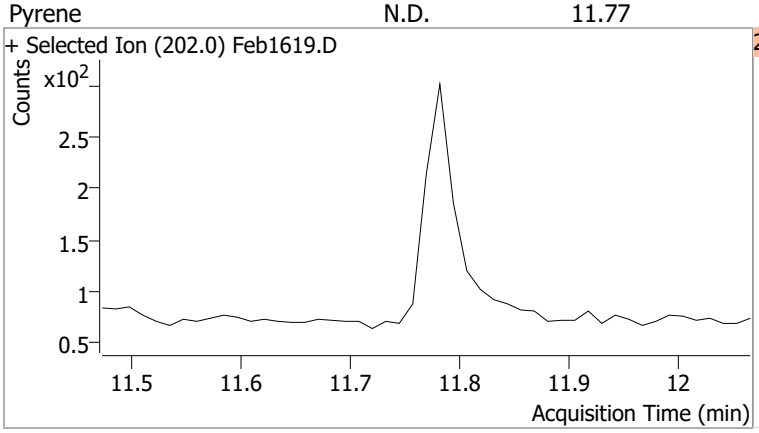


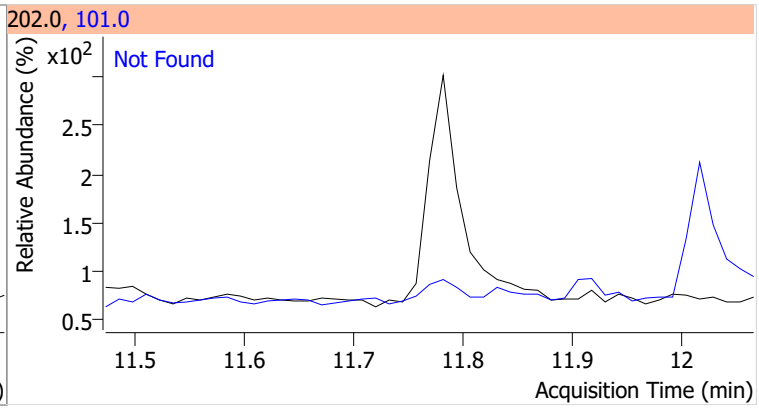
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.40	101.0	9.3



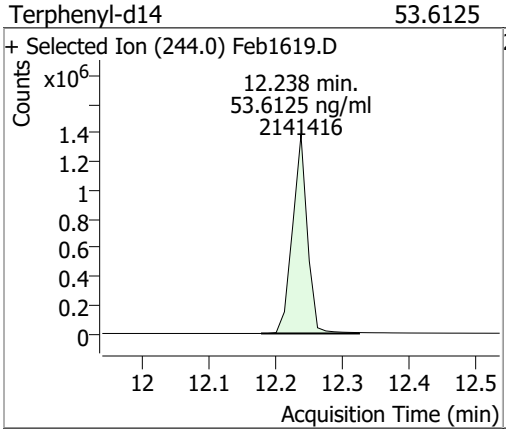


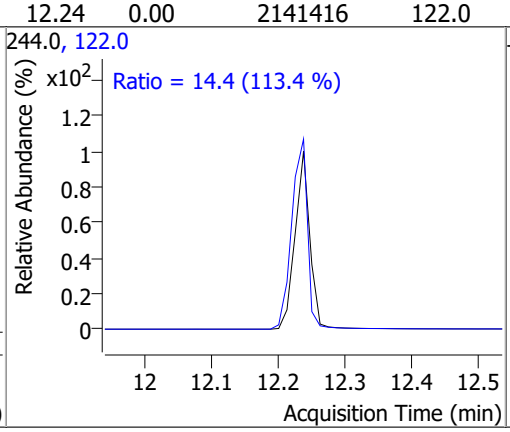
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.77	101.0	10.9

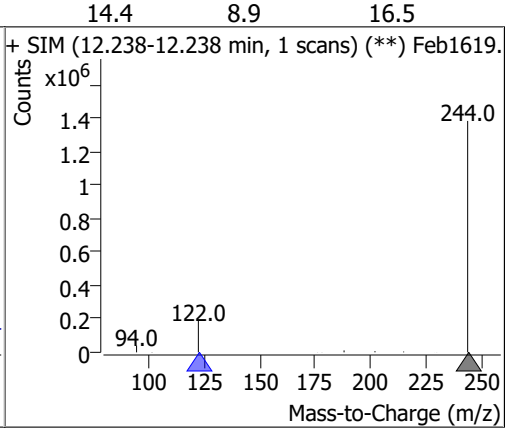




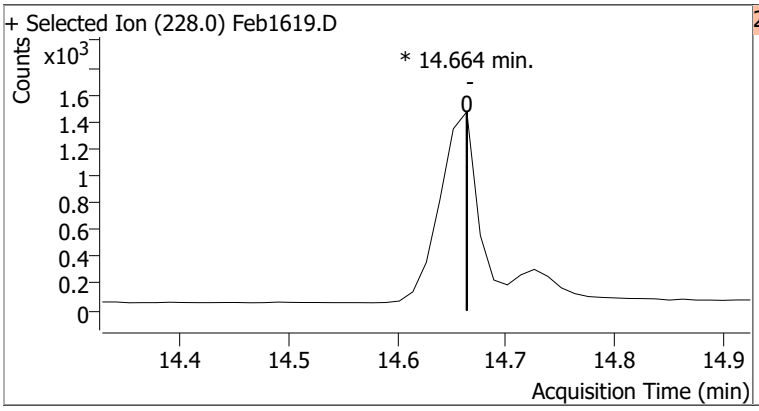
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	53.6125	12.24	0.00	2141416	122.0	14.4	8.9	16.5

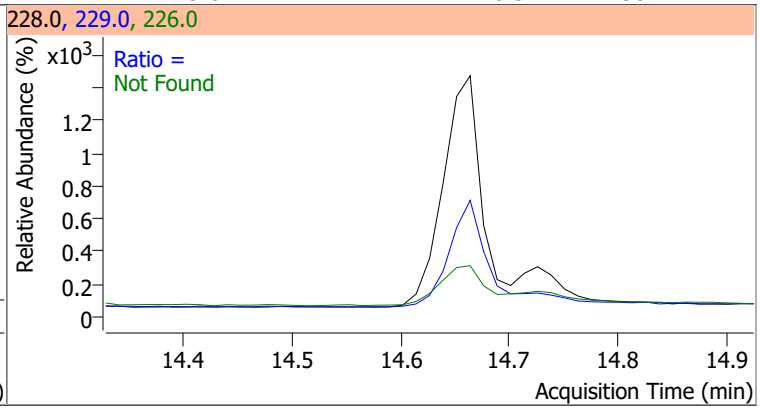




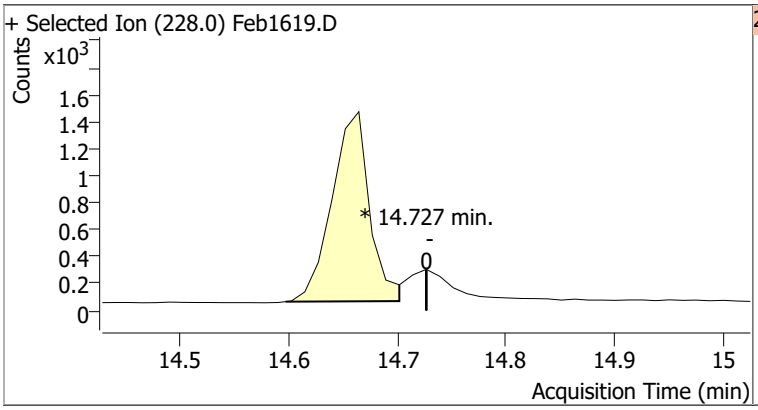


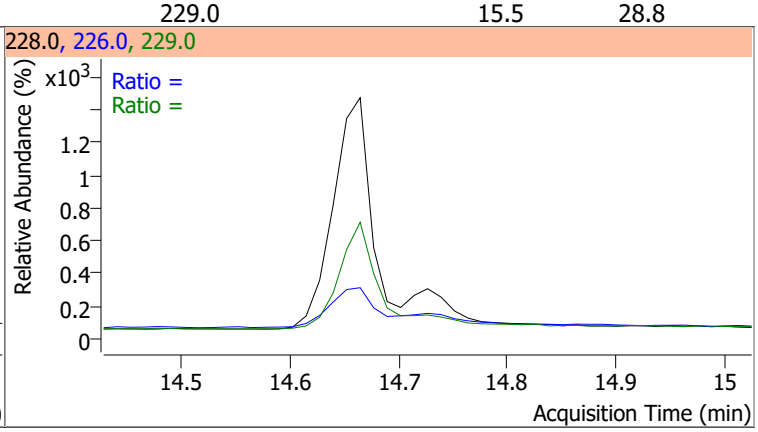
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.0	33.4
					229.0		16.5	30.7



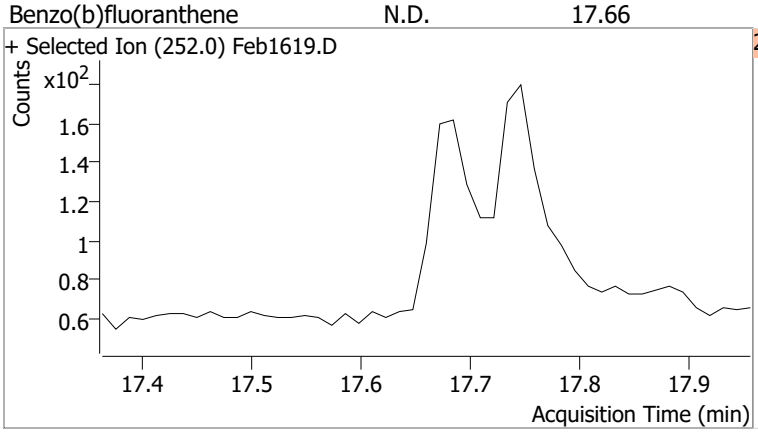


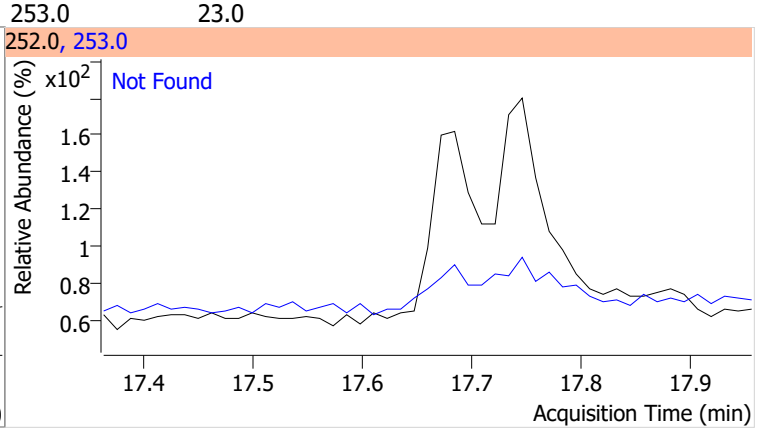
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		20.2	37.5
					229.0		15.5	28.8



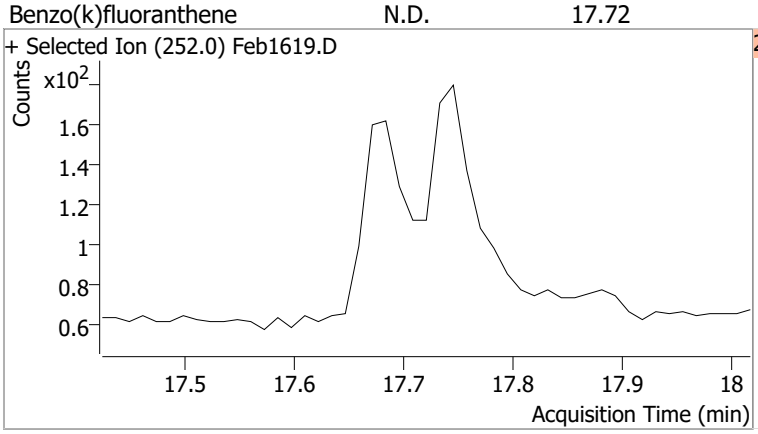


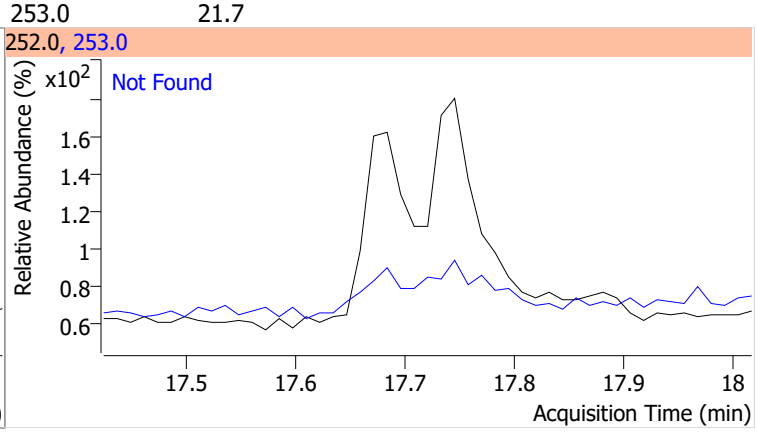
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.66	253.0	23.0



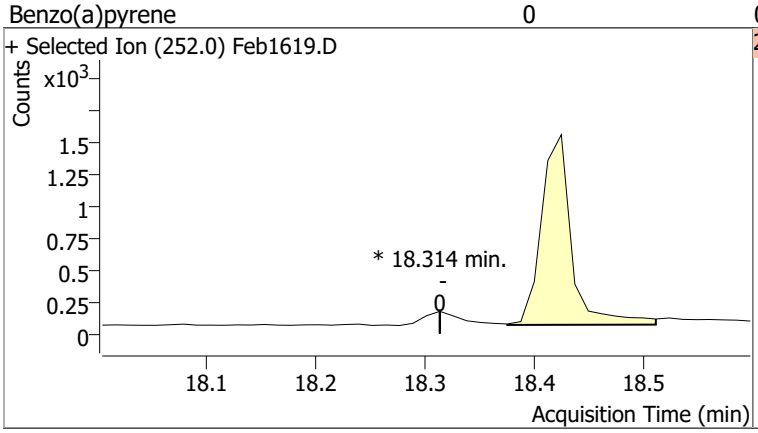


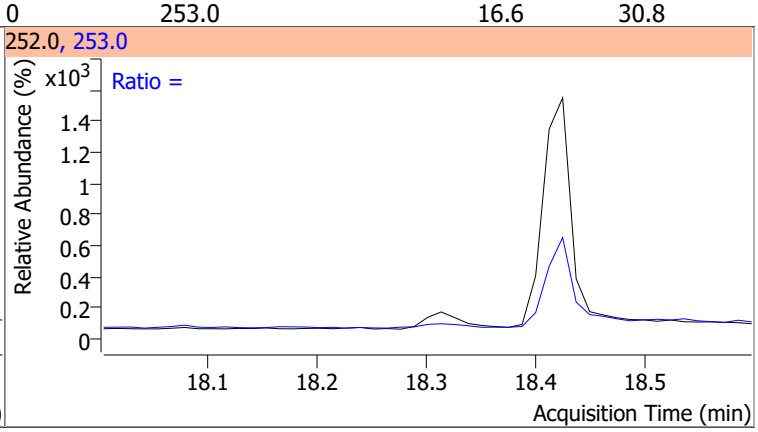
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.72	253.0	21.7



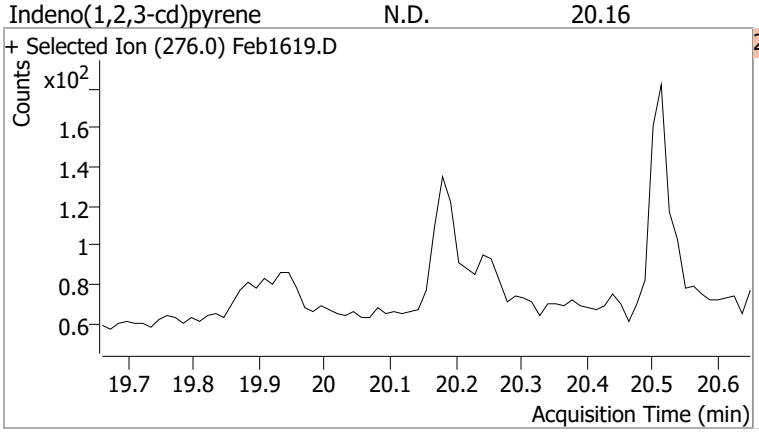


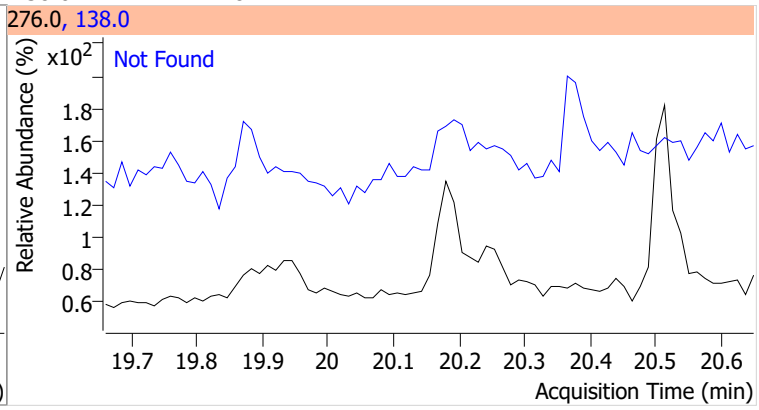
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.6	30.8



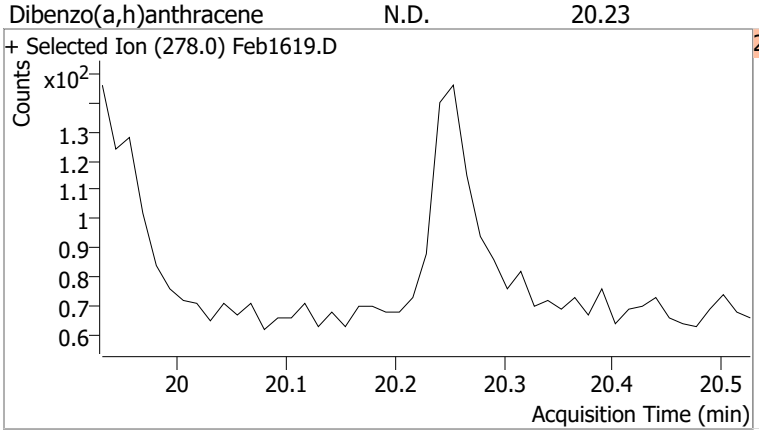


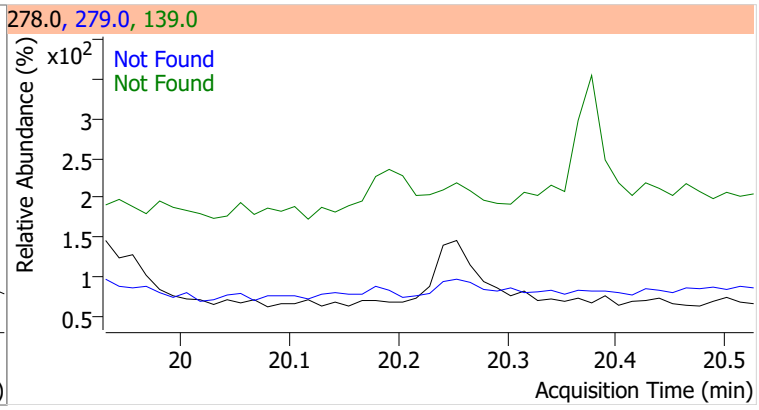
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.16	138.0	22.8



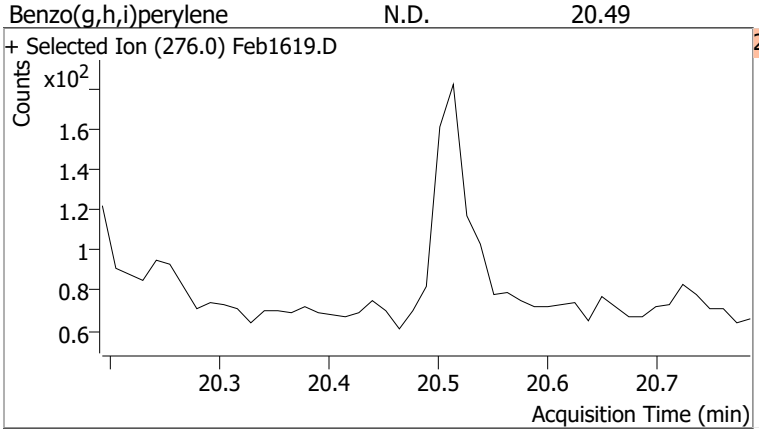


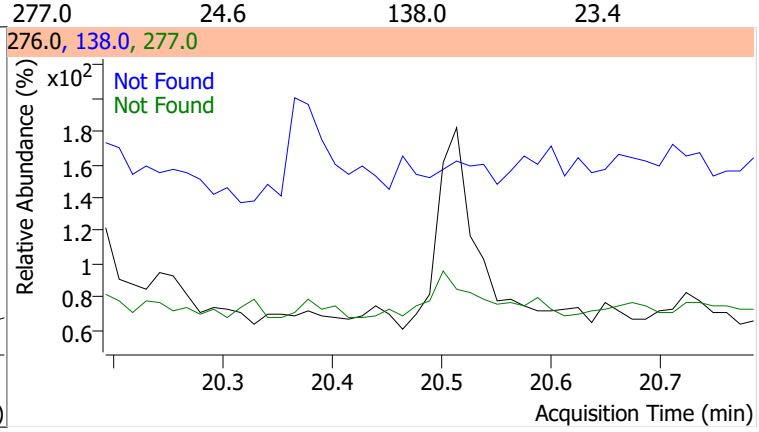
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.7	139.0	17.3





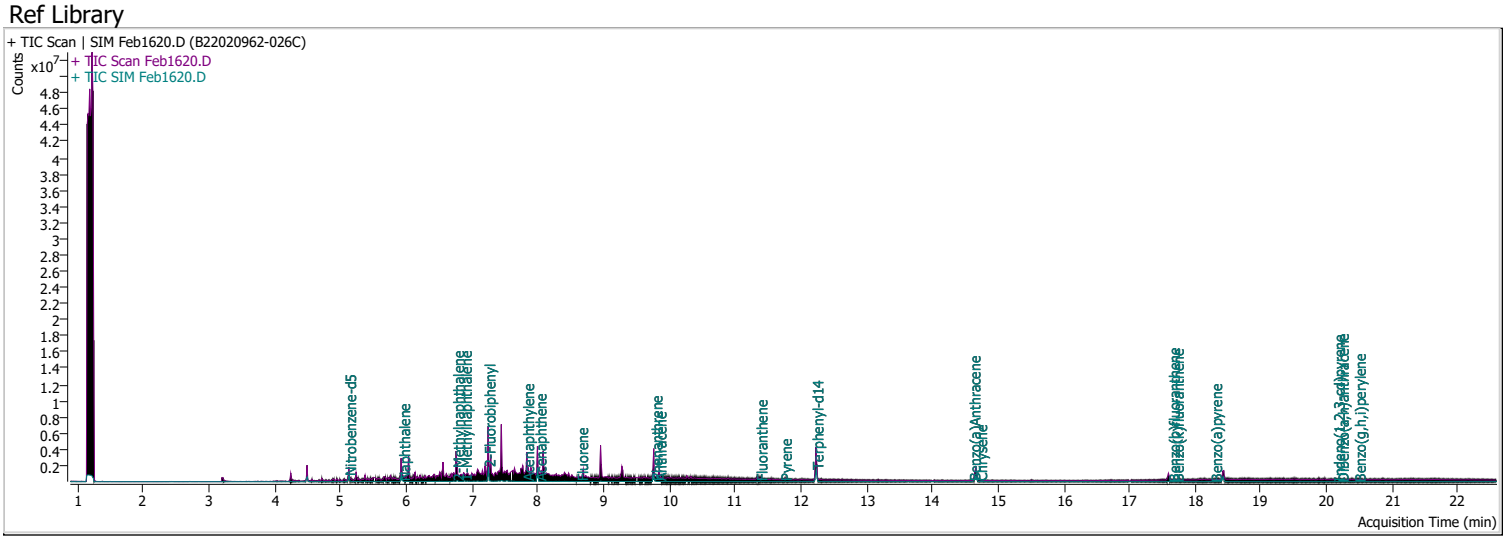
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.6	138.0	23.4





Quantitation Results Report (QT Reviewed)

Data File	Feb1620.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 10:47:06 PM
Sample Name	B22020962-026C	Instrument	GCMS
Vial	20	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

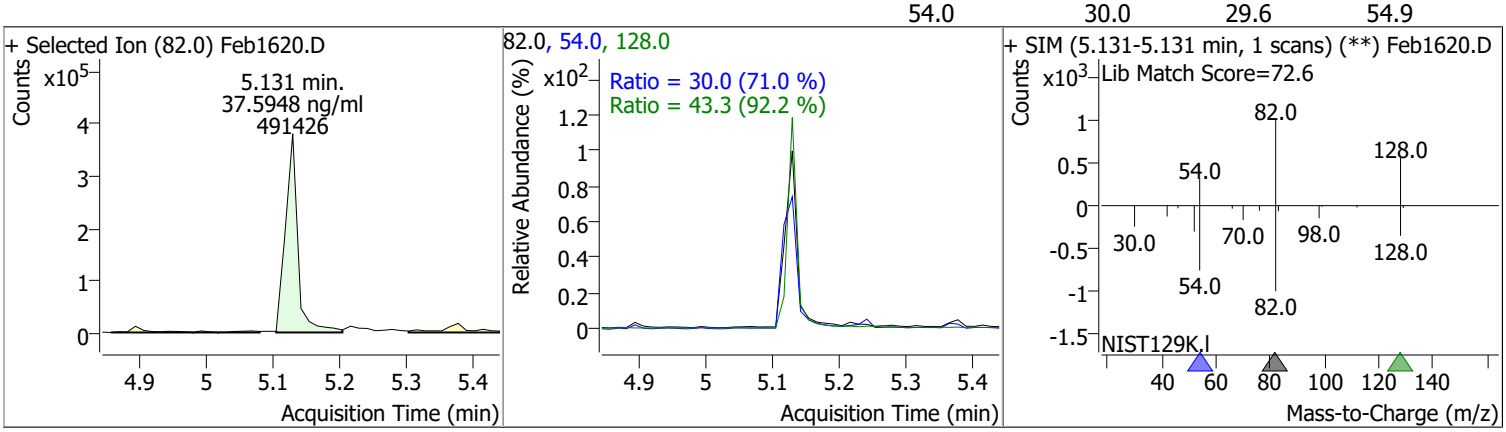


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	248012	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	985386	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.001	164.0	715592	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.756	188.0	1260288	40.0000	ng/ml		-0.012
M Chrysene-d12	14.664	240.0	1017989	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	677374	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.131	82.0	491426	37.5948	ng/ml		-0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 751.90%		*	
S 2-Fluorobiphenyl	7.252	172.0	1314365	33.4340	ng/ml		-0.012
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 668.68%		*	
S o-Terphenyl	10.287	230.0	0		ng/ml	md	-0.012
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.238	244.0	1814097	48.1235	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 962.47%		*	
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	28993	1.2037	ng/ml	#m	52
T 2-Methylnaphthalene	6.778	141.0	57193	3.7404	ng/ml	#	50
T 1-Methylnaphthalene	6.890	141.0	39924	2.3707	ng/ml	#m	84
T Acenaphthylene	7.839	152.0	4586	0.1567	ng/ml	#	7
T Acenaphthene	8.026	154.0	5928	0.2933	ng/ml	#m	46
T Fluorene	8.661	166.0	10074	0.4705	ng/ml	#	89
T Phenanthrene	9.793	178.0	52427	1.7857	ng/ml		93
T Anthracene	9.854	178.0	9922	0.3417	ng/ml		92
T Fluoranthene	11.386	202.0	79466	2.7416	ng/ml	m	97
T Pyrene	11.757	202.0	86136	2.6602	ng/ml		96
T Benzo(a)Anthracene	14.627	228.0	26438	1.0284	ng/ml		94
T Chrysene	14.727	228.0	37516	1.1966	ng/ml		96
T Benzo(b)fluoranthene	17.659	252.0	24842	1.2218	ng/ml		96

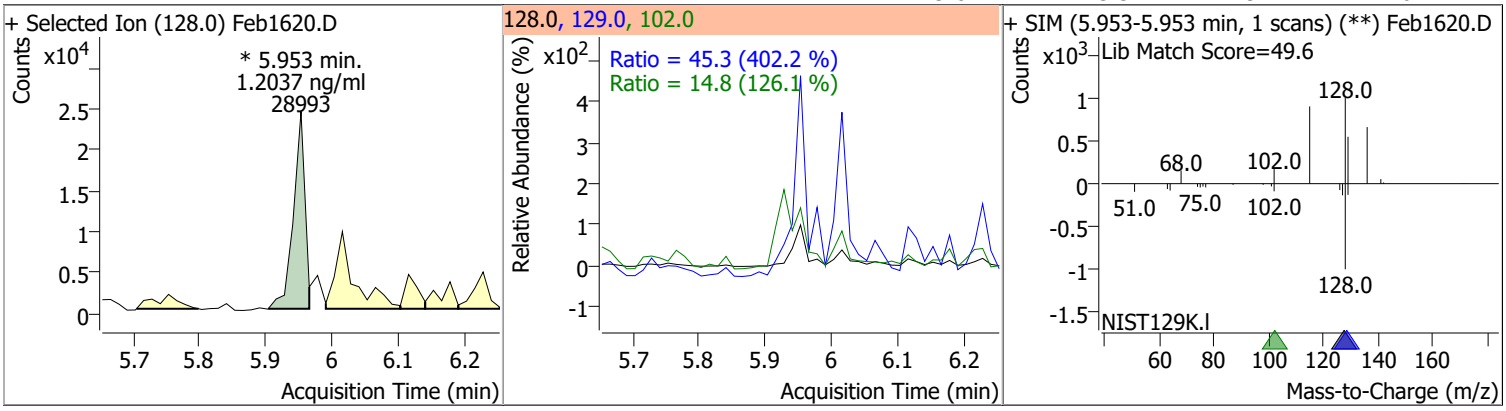
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	17.721	252.0	11218	0.4364	ng/ml	#	70
T Benzo(a)pyrene	18.302	252.0	15280	0.8626	ng/ml		91
T Indeno(1,2,3-cd)pyrene	20.167	276.0	8901	0.5892	ng/ml	m	98
T Dibenzo(a,h)anthracene	20.229	278.0	2776	0.1382	ng/ml		99
T Benzo(g,h,i)perylene	20.489	276.0	11741	0.5268	ng/ml		93

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

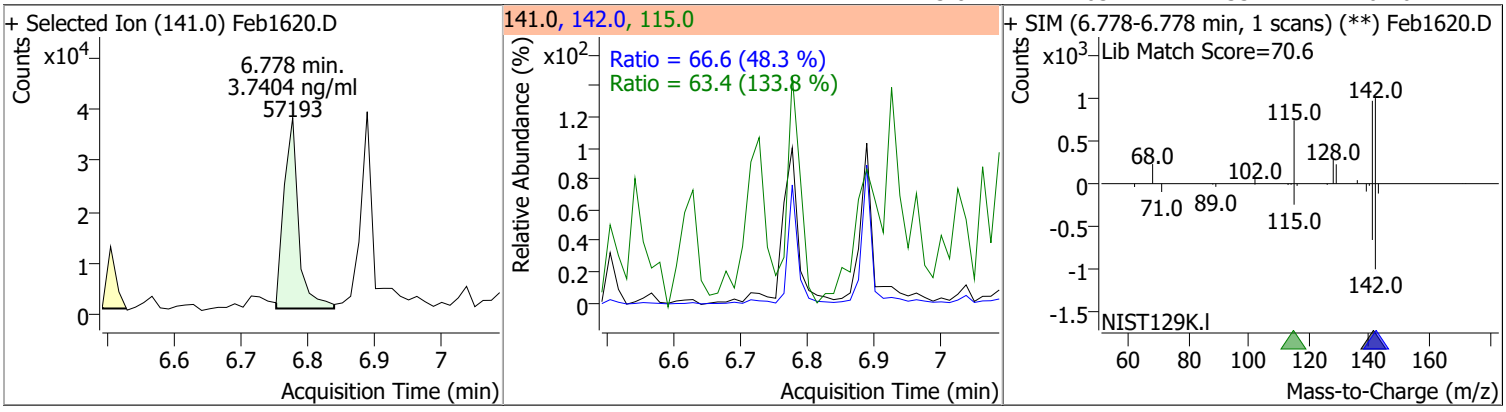
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	37.5948	5.13	-0.01	491426	128.0	43.3	32.9	61.0
					54.0	30.0	29.6	54.9



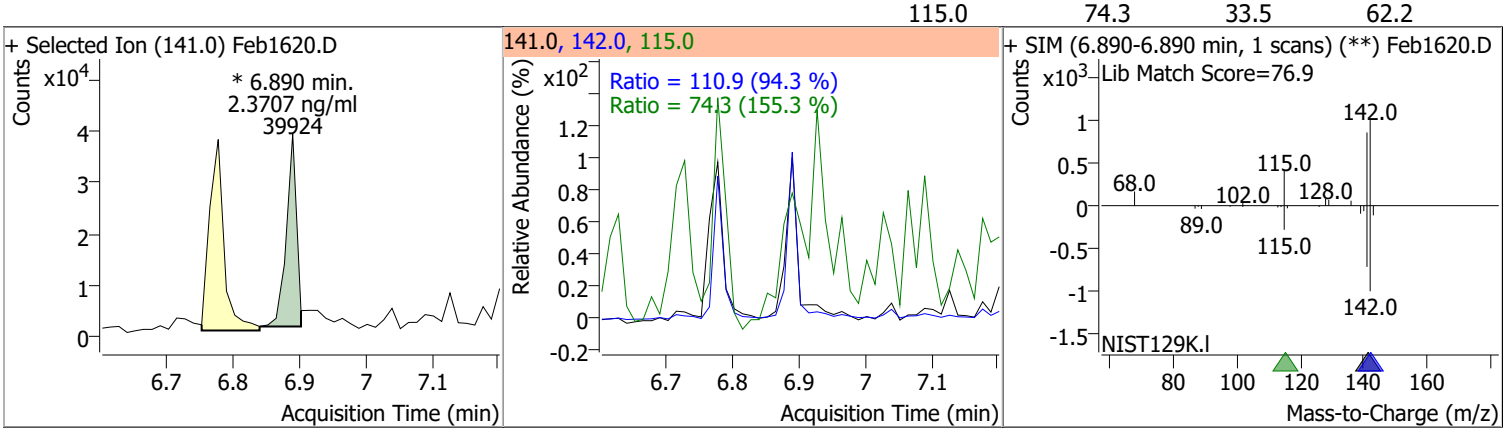
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	1.2037	5.95	0.00	28993 (m)	102.0	14.8	0.0	35.2
					129.0	45.3	7.9	14.6



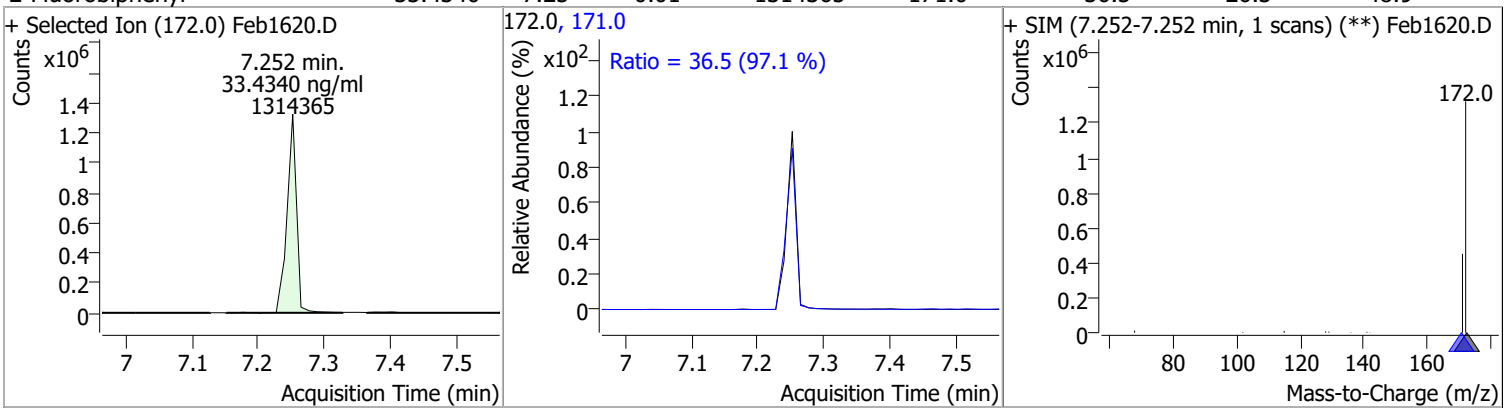
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	3.7404	6.78	-0.01	57193	142.0	66.6	96.5	179.2
					115.0	63.4	33.2	61.6



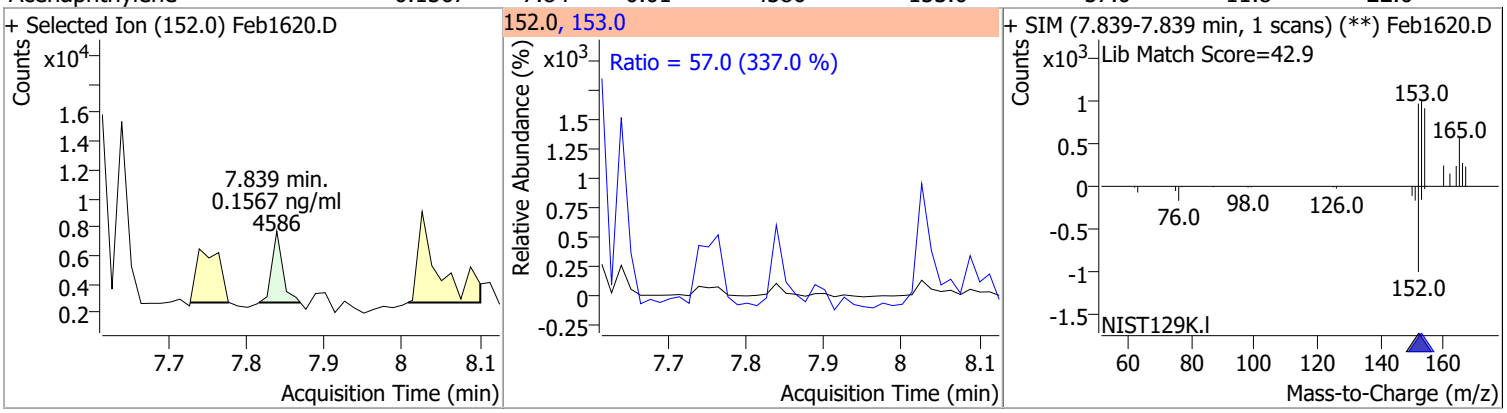
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	2.3707	6.89	-0.01	39924 (m)	142.0	110.9	82.3	152.8
					115.0	74.3	33.5	62.2



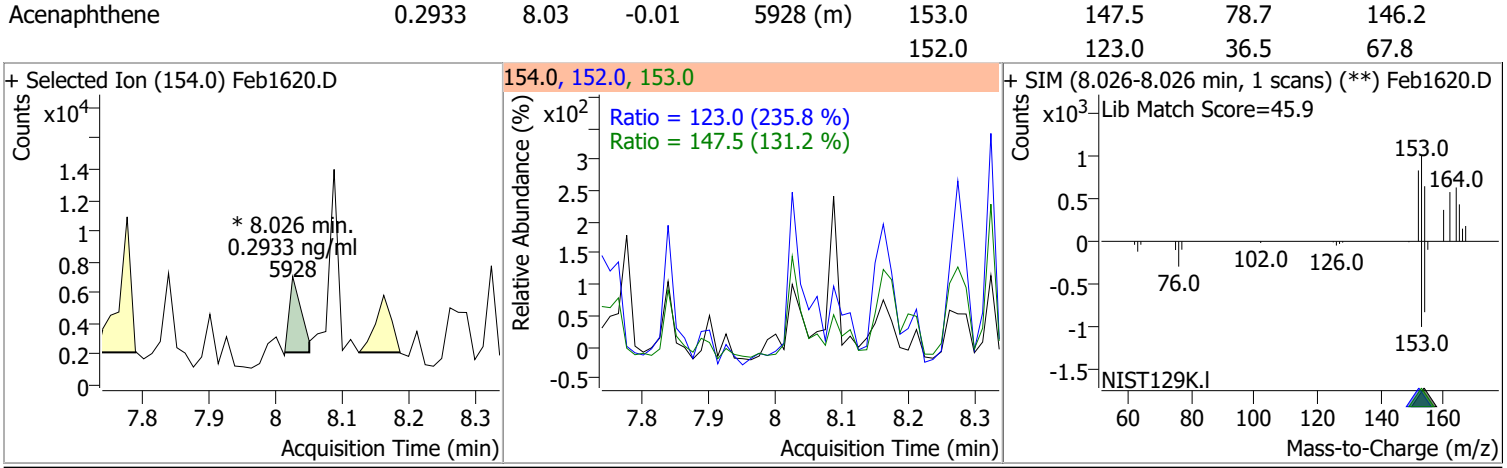
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	33.4340	7.25	-0.01	1314365	171.0	36.5	26.3	48.9



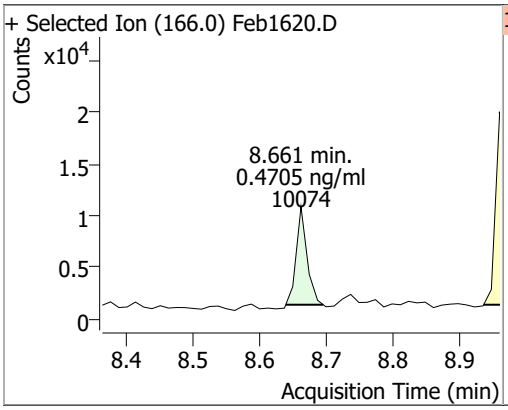
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	0.1567	7.84	0.01	4586	153.0	57.0	11.8	22.0

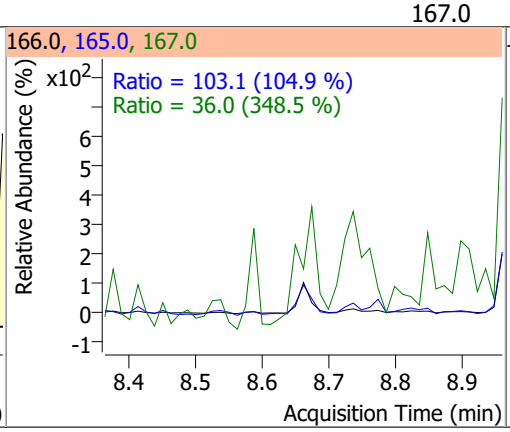


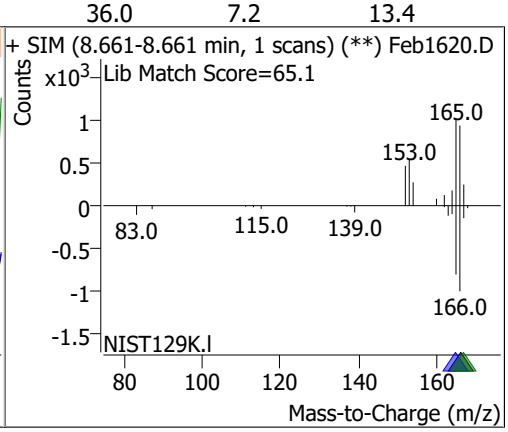
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	0.2933	8.03	-0.01	5928 (m)	153.0	147.5	78.7	146.2
					152.0	123.0	36.5	67.8



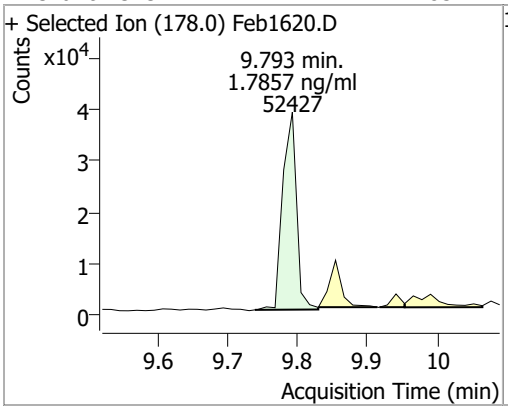
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	0.4705	8.66	0.00	10074	165.0	103.1	68.8	127.8
					167.0	36.0	7.2	13.4

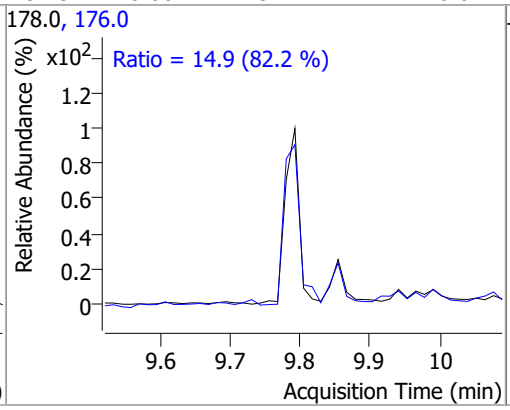


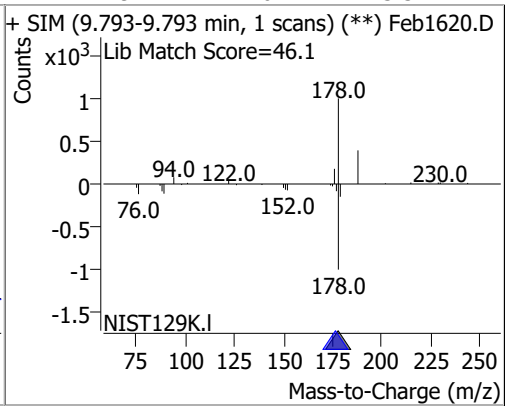




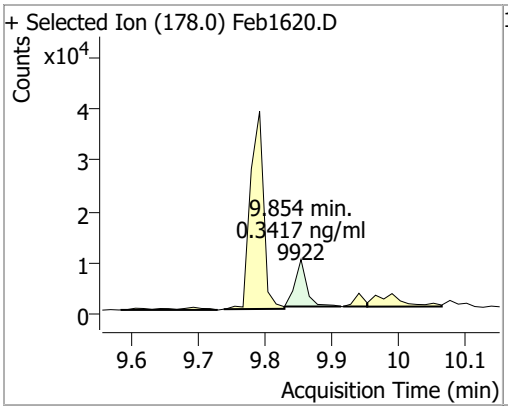
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	1.7857	9.79	0.00	52427	176.0	14.9	12.6	23.5

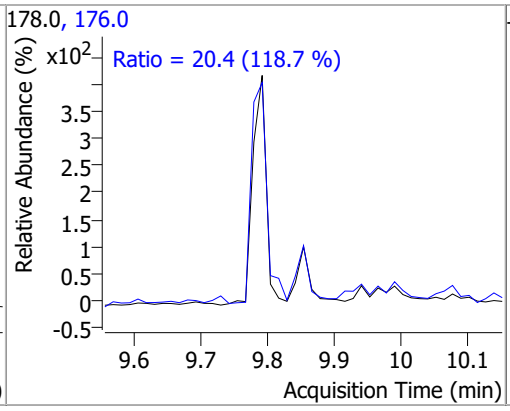


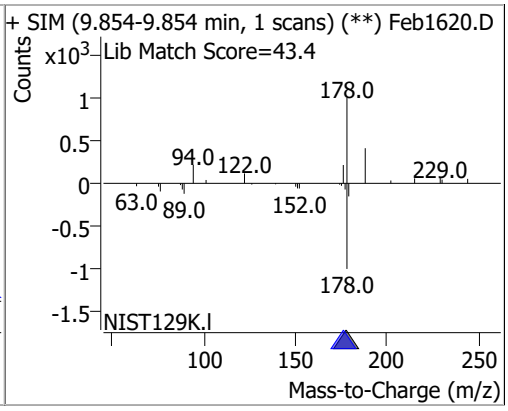




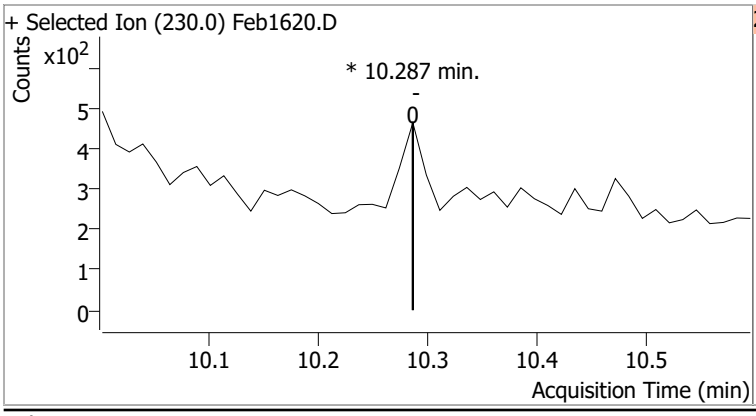
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	0.3417	9.85	0.00	9922	176.0	20.4	12.0	22.3

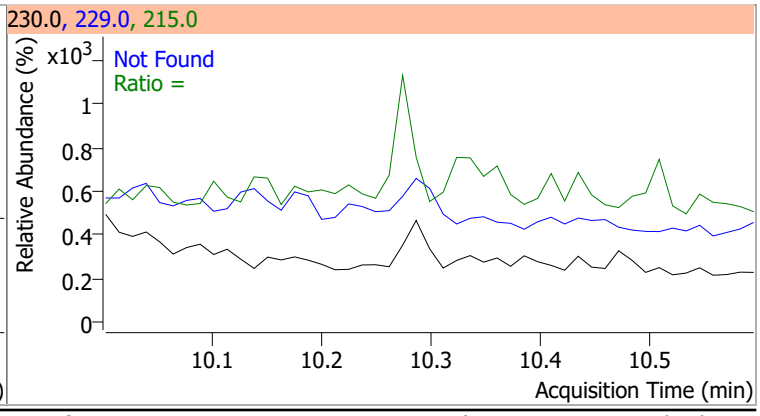




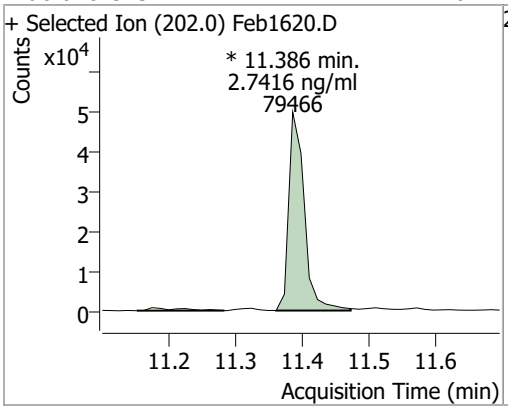


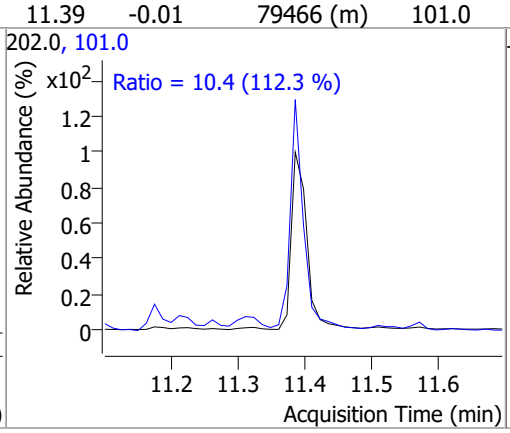
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl		0		0	229.0		44.8	83.1
					215.0		27.3	50.6

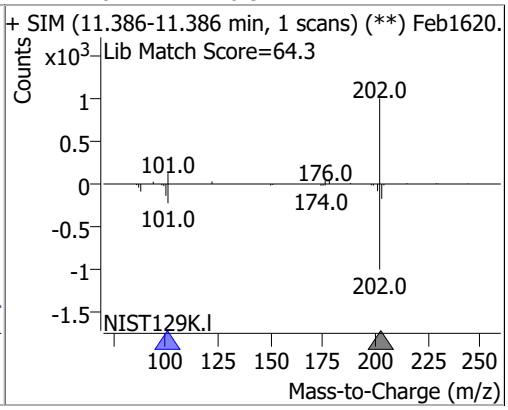




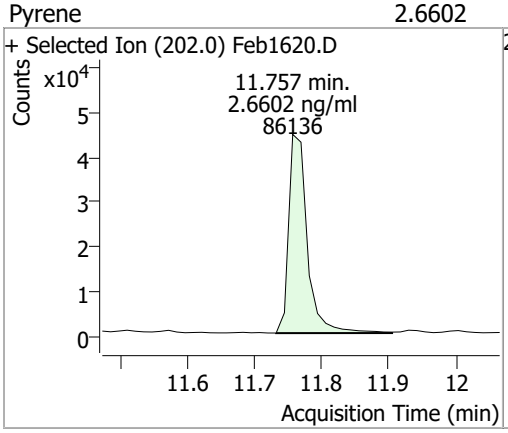
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	2.7416	11.39	-0.01	79466 (m)	101.0	10.4	6.5	12.1

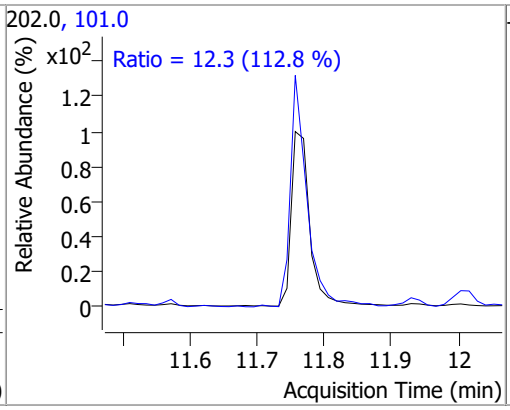


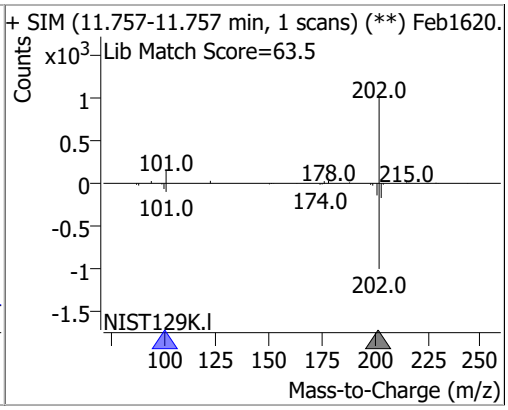




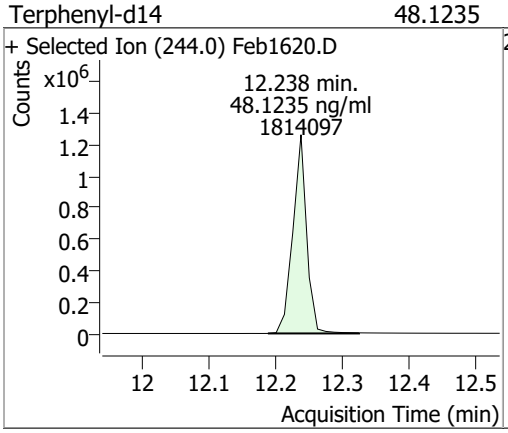
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	2.6602	11.76	-0.01	86136	101.0	12.3	7.6	14.2

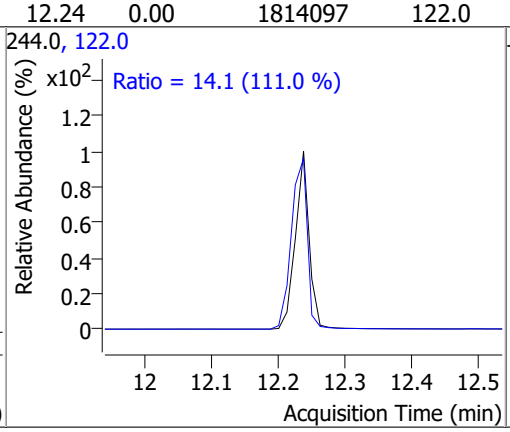


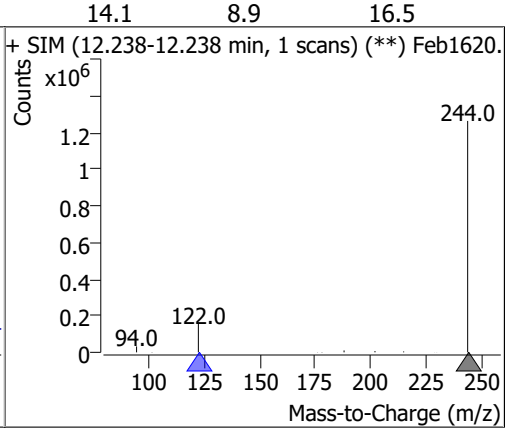




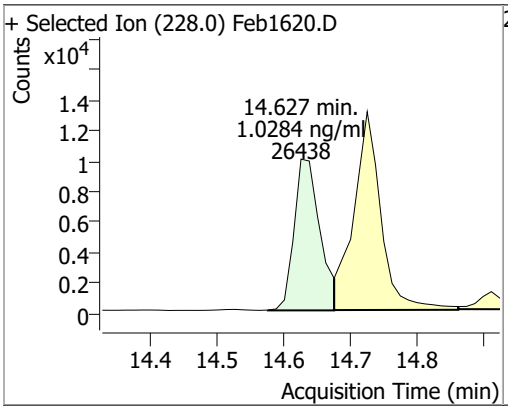
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	48.1235	12.24	0.00	1814097	122.0	14.1	8.9	16.5

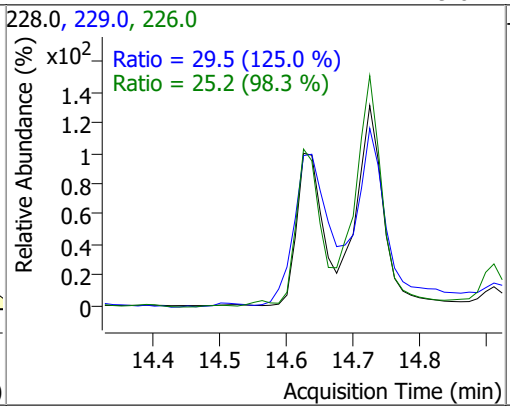


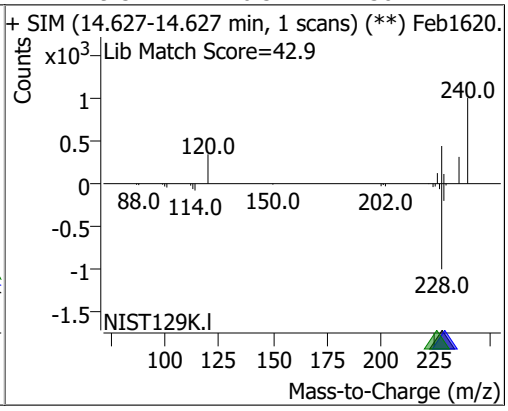




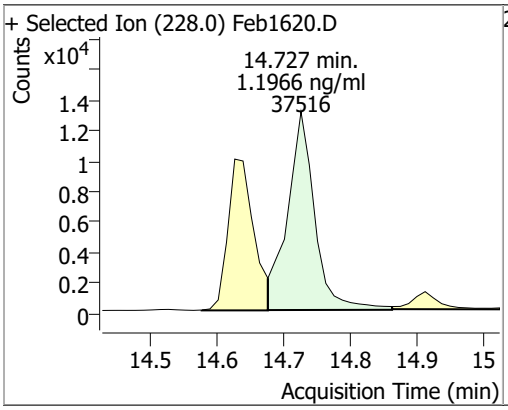
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	1.0284	14.63	0.00	26438	226.0	25.2	18.0	33.4
					229.0	29.5	16.5	30.7

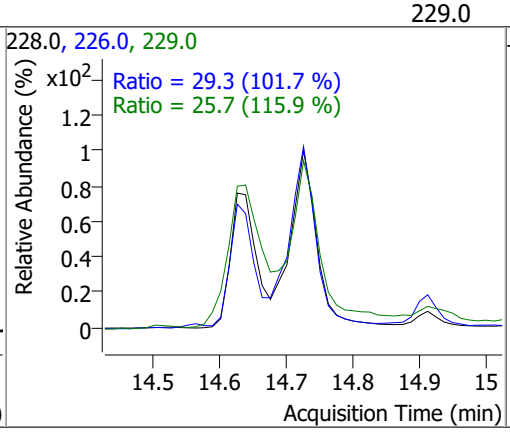


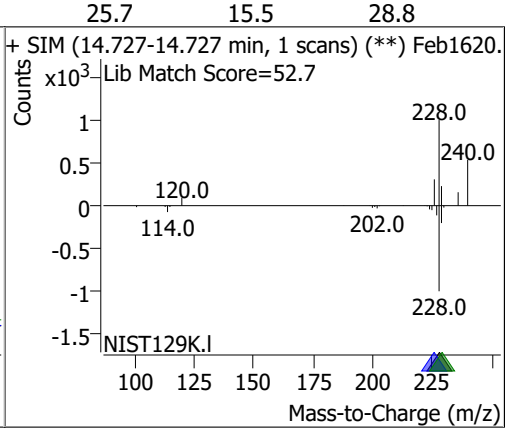




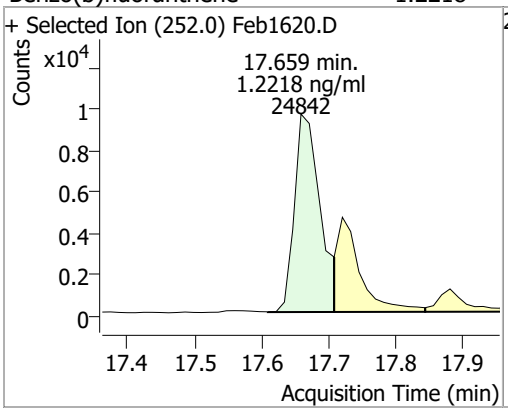
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	1.1966	14.73	0.00	37516	226.0	29.3	20.2	37.5
					229.0	25.7	15.5	28.8

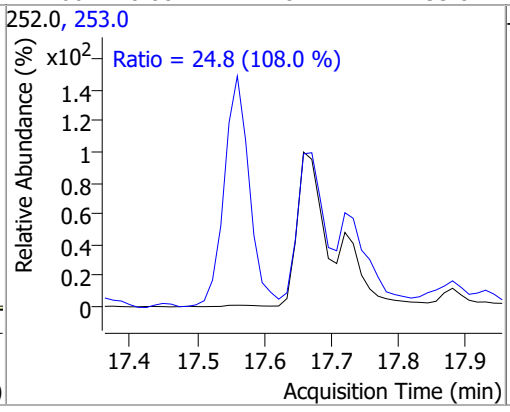


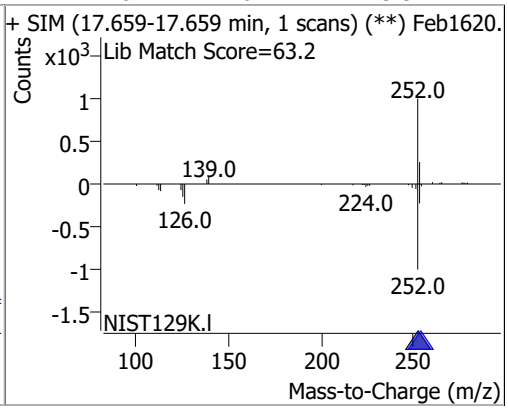




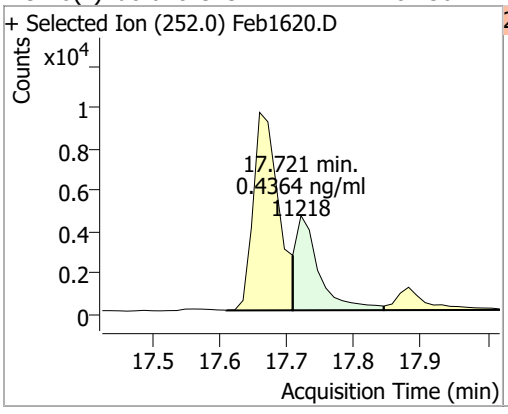
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	1.2218	17.66	0.00	24842	253.0	24.8	16.1	29.9

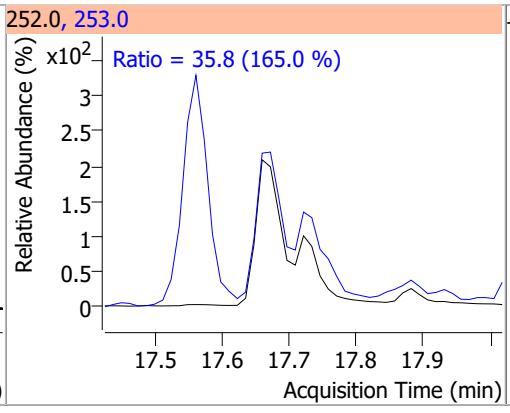


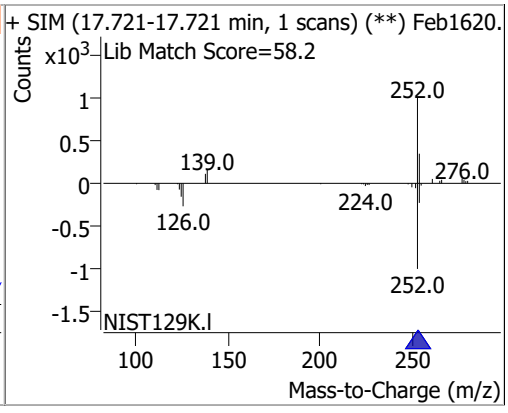




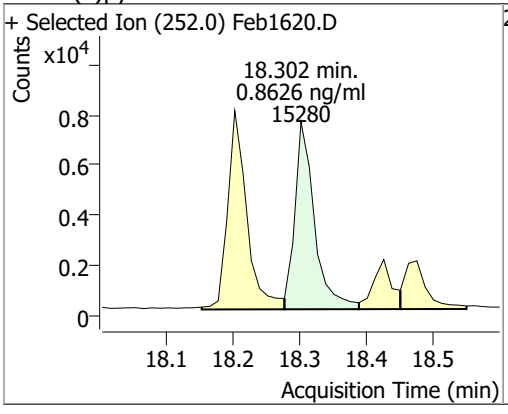
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	0.4364	17.72	0.00	11218	253.0	35.8	15.2	28.2

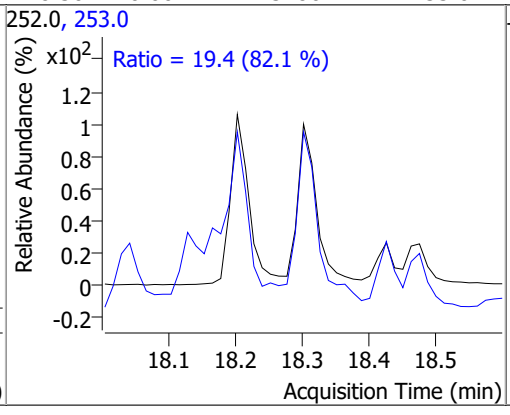


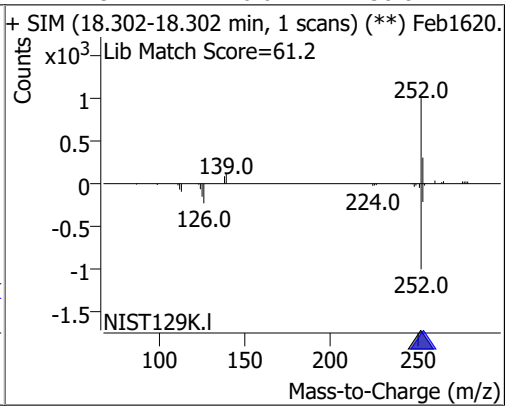




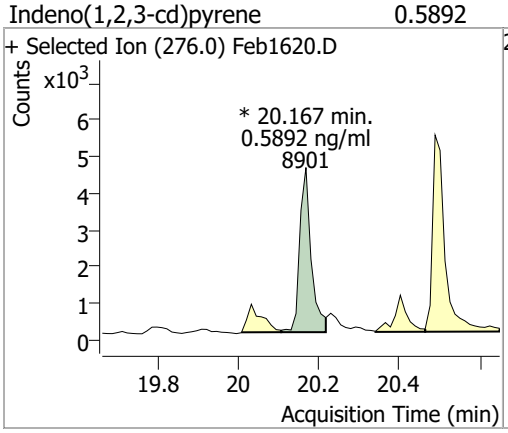
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	0.8626	18.30	0.00	15280	253.0	19.4	16.6	30.8

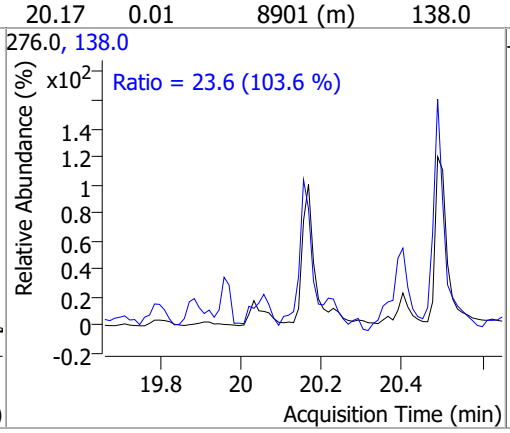


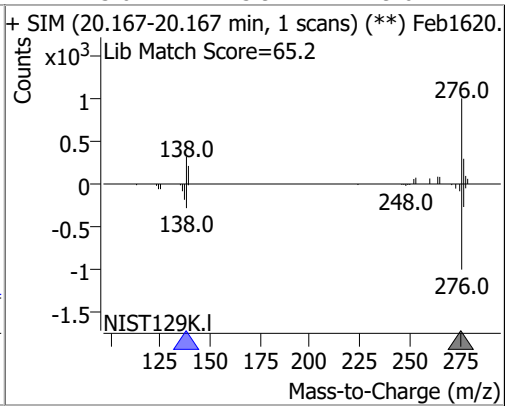




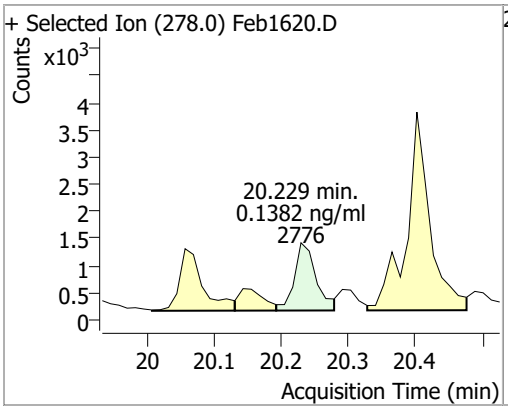
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	0.5892	20.17	0.01	8901 (m)	138.0	23.6	15.9	29.6

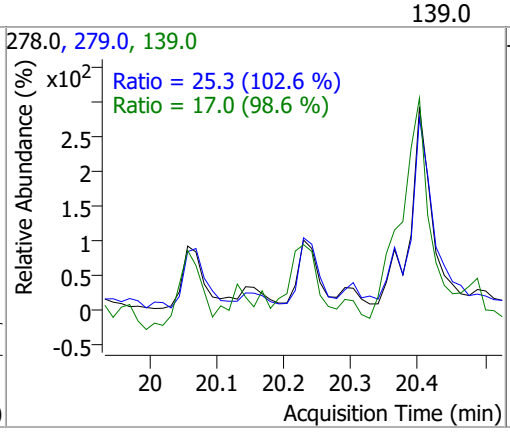


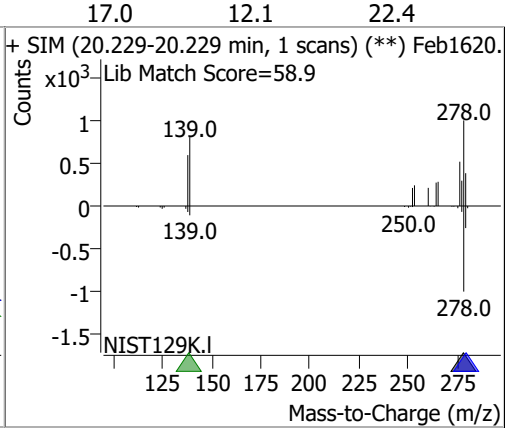




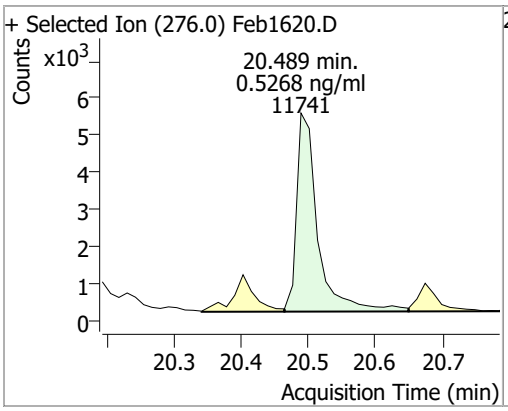
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	0.1382	20.23	0.00	2776	279.0	25.3	17.3	32.0
					139.0	17.0	12.1	22.4

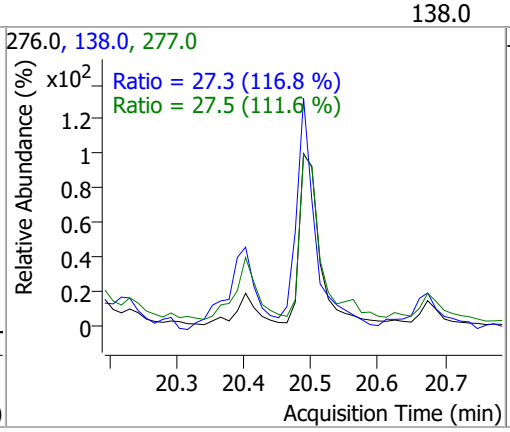


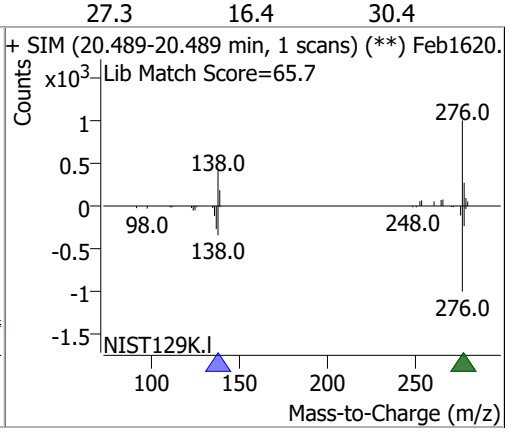




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	0.5268	20.49	0.00	11741	277.0	27.5	17.2	32.0
					138.0	27.3	16.4	30.4



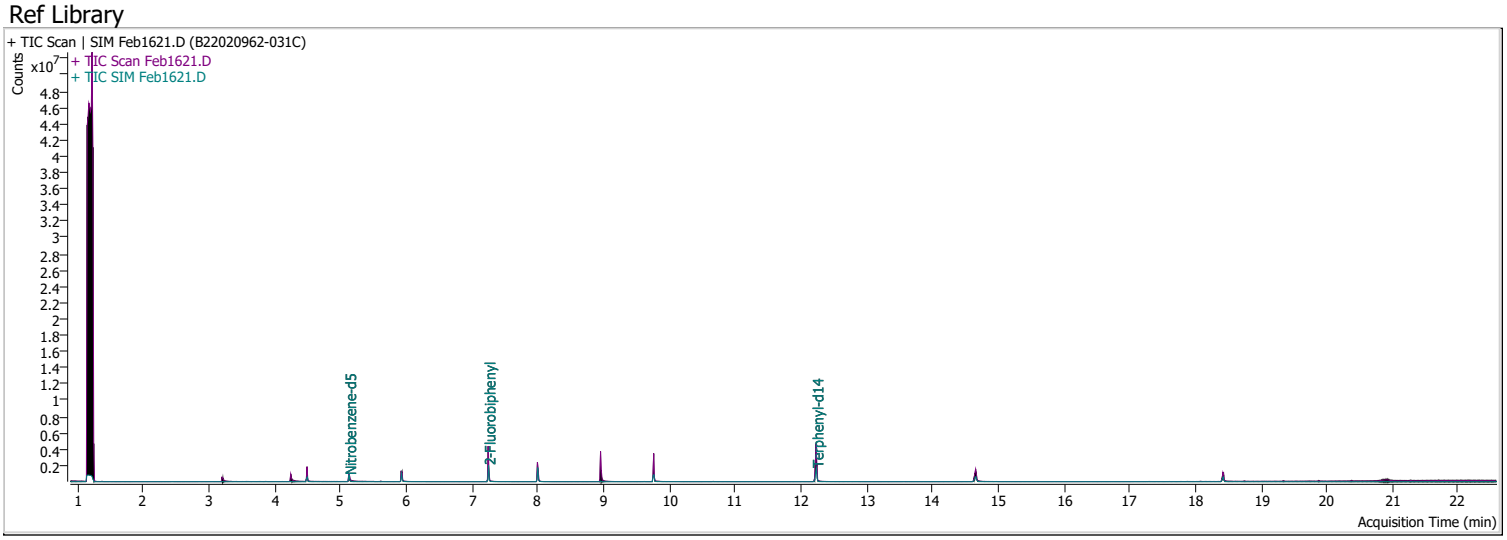




Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

Data File	Feb1621.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 11:19:20 PM
Sample Name	B22020962-031C	Instrument	GCMS
Vial	21	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

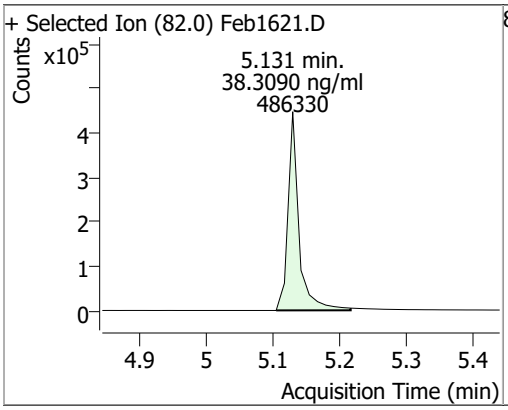


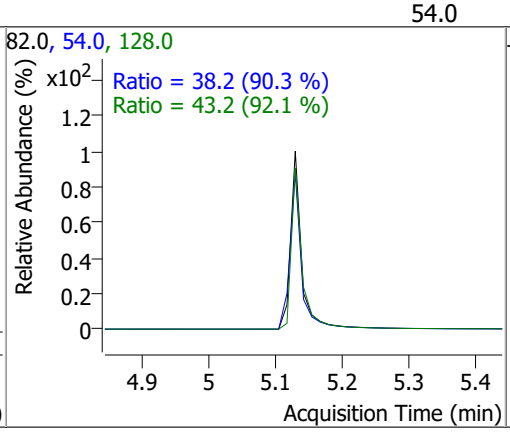
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	237930	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	995071	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.000	164.0	677837	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1210822	40.0000	ng/ml		0.000
M Chrysene-d12	14.664	240.0	952507	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	623716	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.131	82.0	486330	38.3090	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 766.18%		*	
S 2-Fluorobiphenyl	7.252	172.0	1379809	35.6910	ng/ml		-0.013
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 713.82%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.238	244.0	2090463	55.2057	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1104.11%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.025	154.0	0		ng/ml	md	1
T Fluorene	8.960	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.652	228.0	0		ng/ml	md	1
T Chrysene	14.726	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

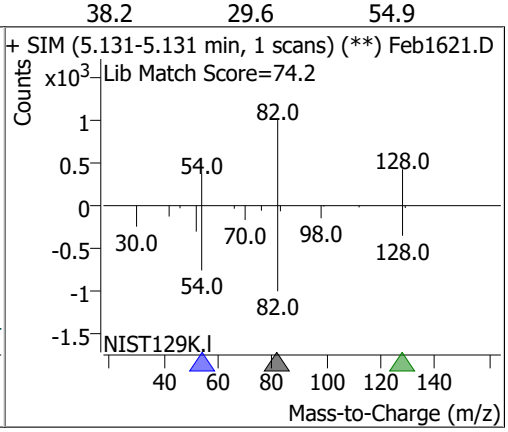
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.314	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

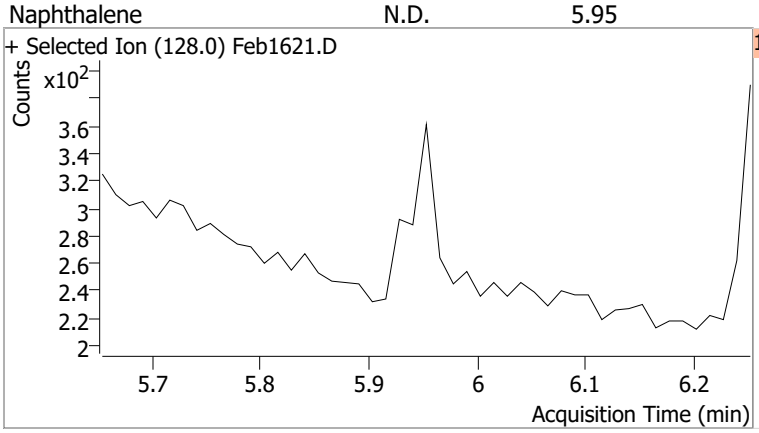
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	38.3090	5.13	-0.01	486330	128.0	43.2	32.9	61.0
					54.0	38.2	29.6	54.9

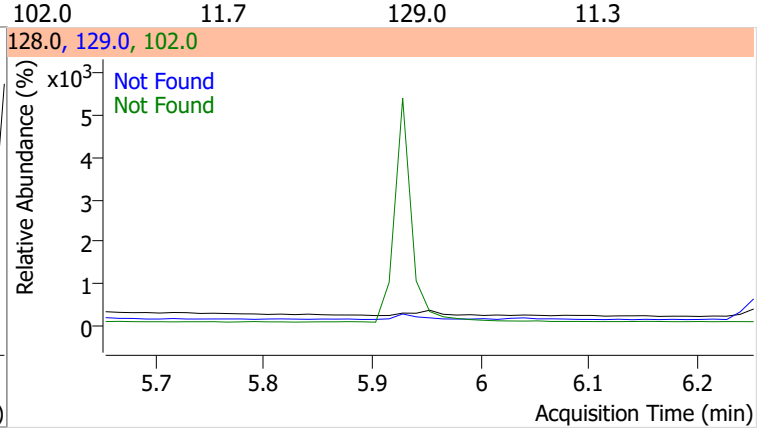




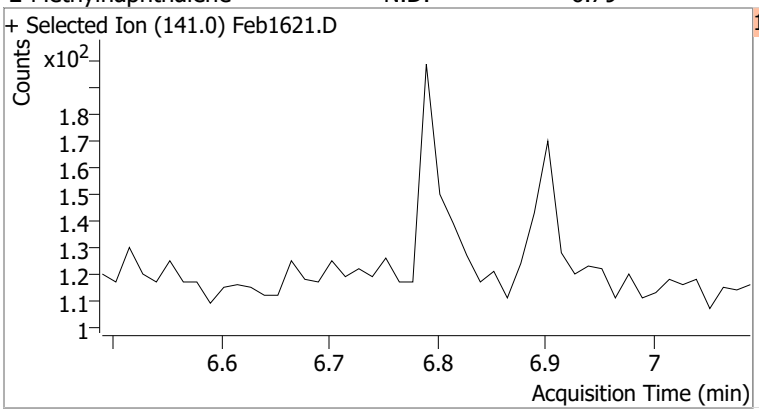


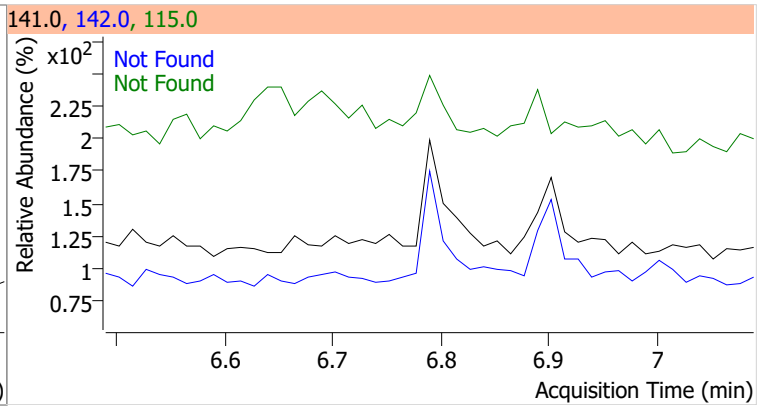
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.95	102.0	11.7	129.0	11.3



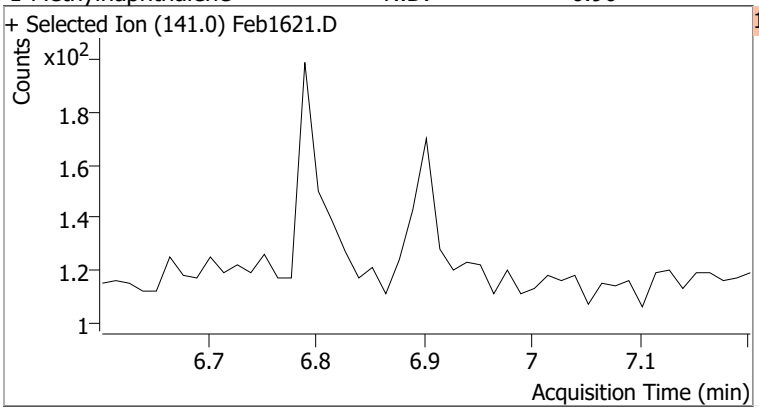


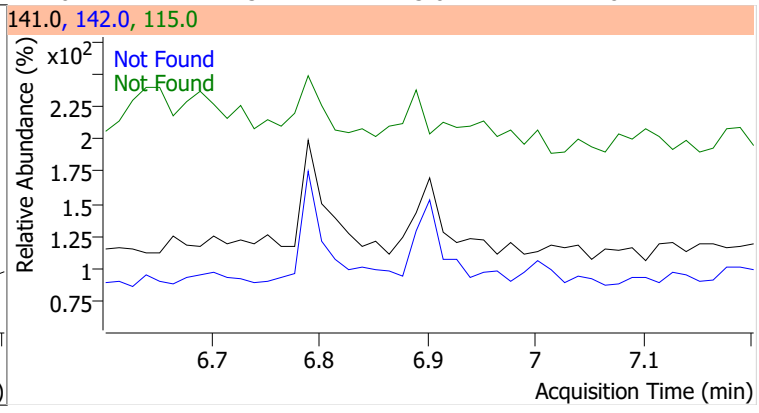
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.79	142.0	137.8	115.0	47.4



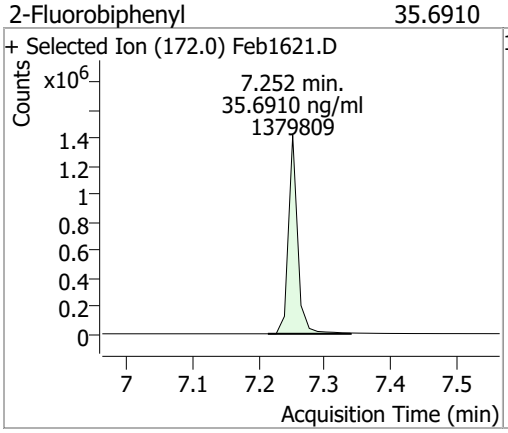


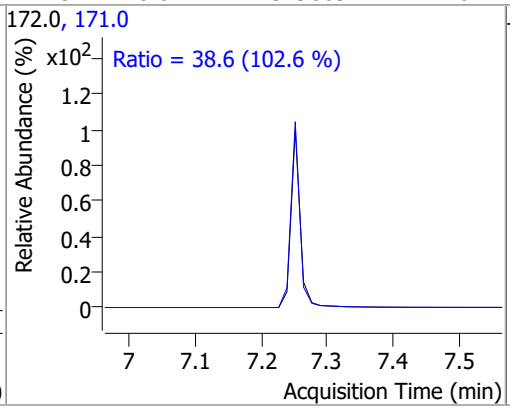
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.90	142.0	117.5	115.0	47.8

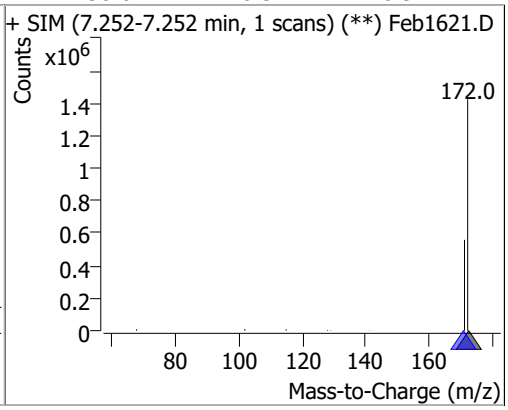




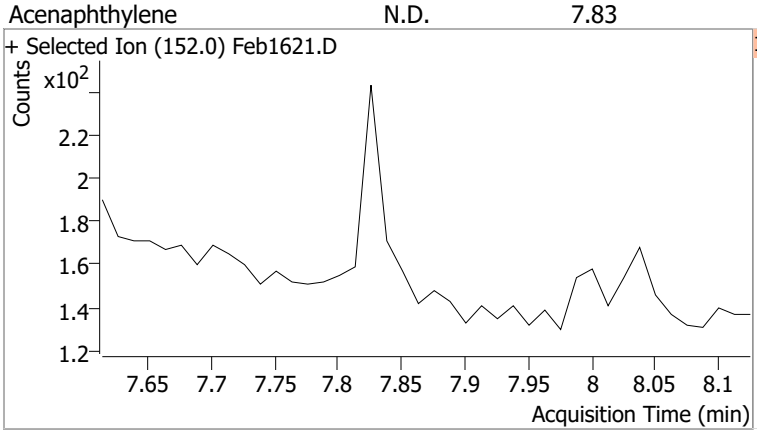
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	35.6910	7.25	-0.01	1379809	171.0	38.6	26.3	48.9

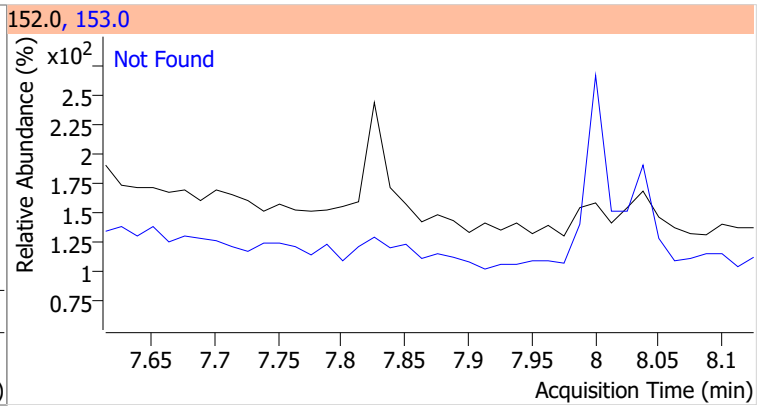




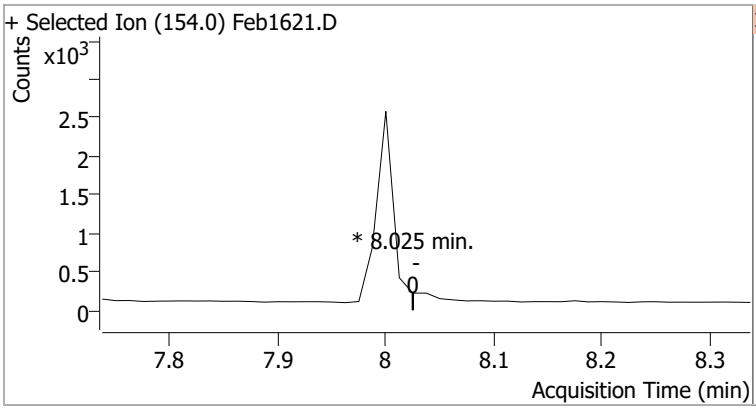


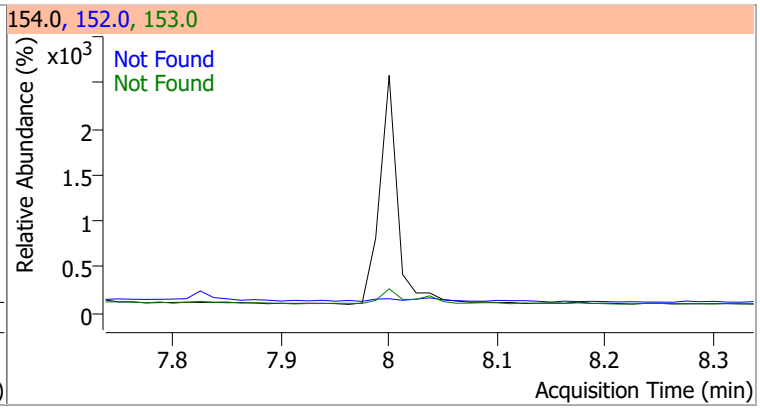
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	16.9



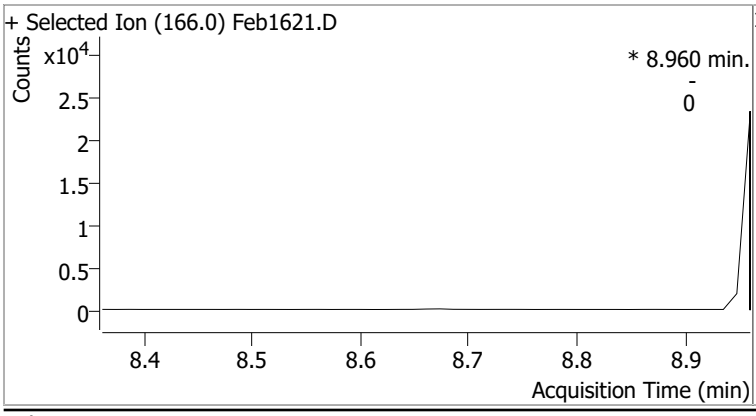


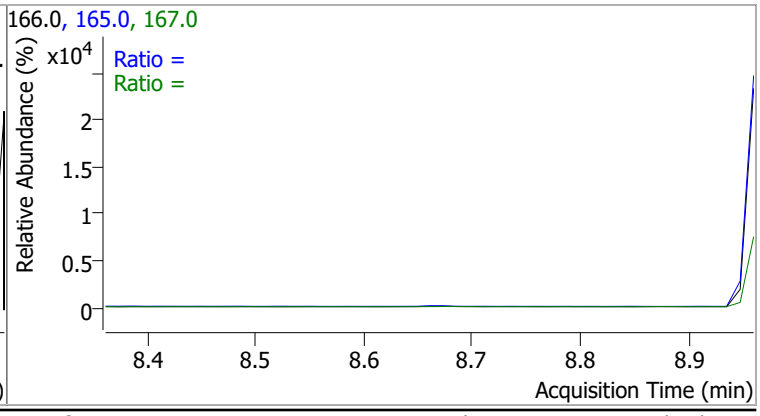
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		78.7	146.2
					152.0		36.5	67.8



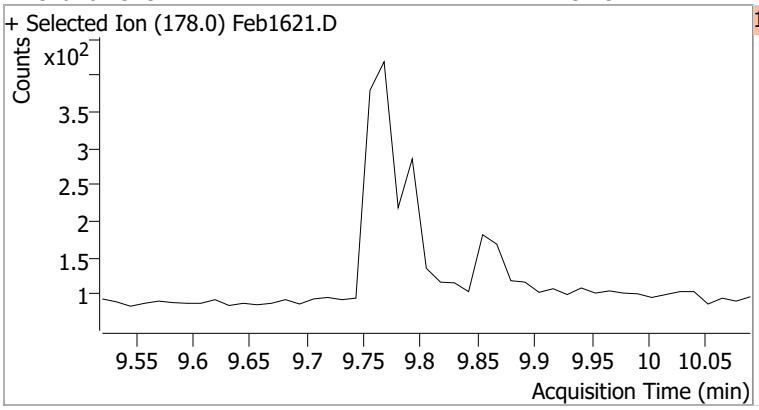


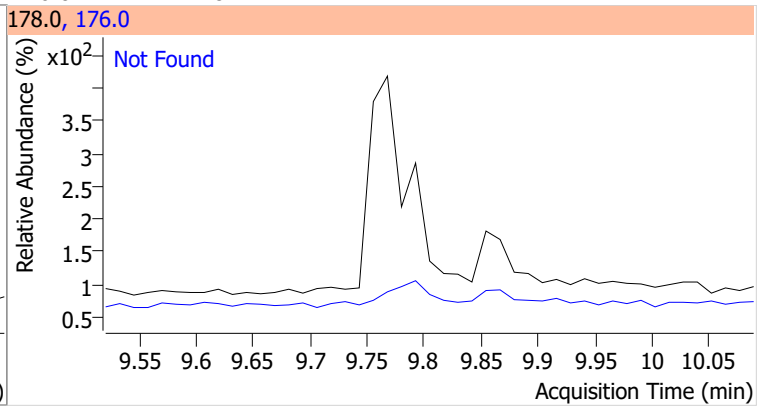
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		68.8	127.8
					167.0		7.2	13.4



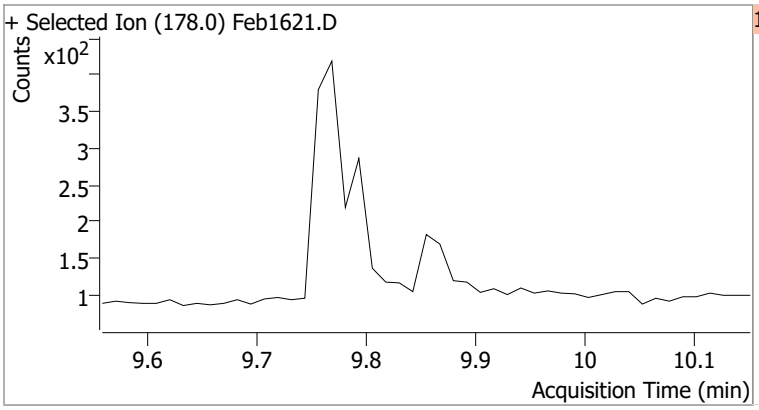


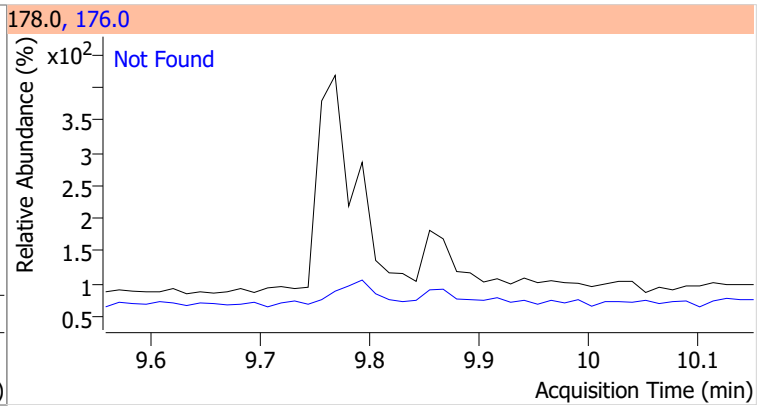
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.1



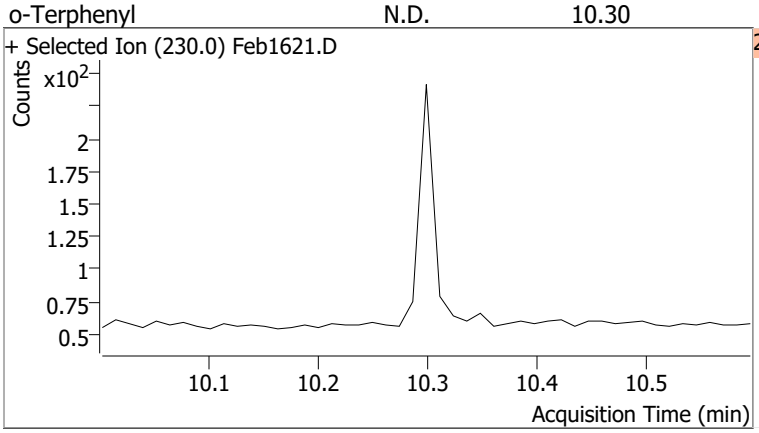


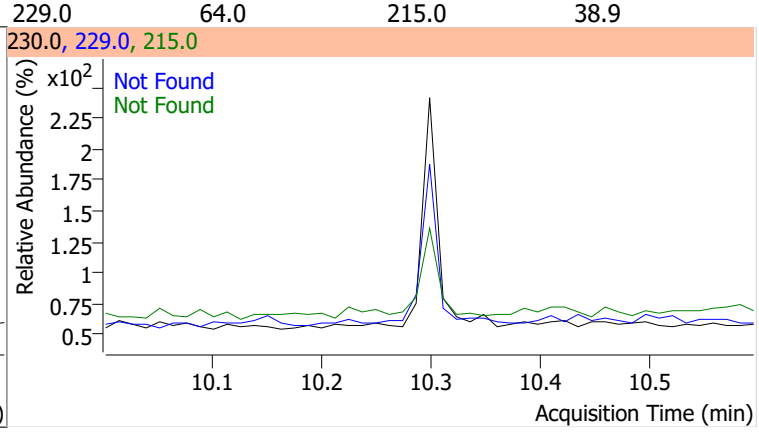
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.85	176.0	17.1



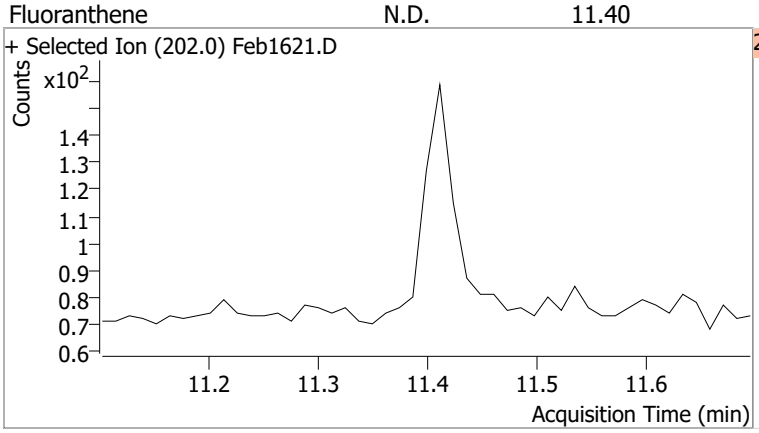


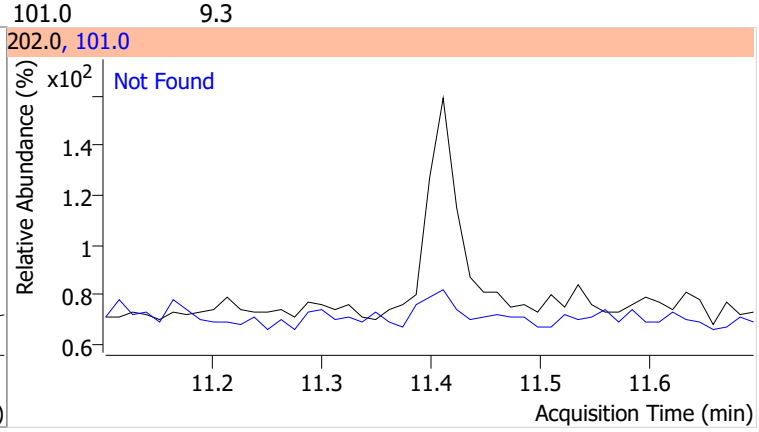
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.30	229.0	64.0	215.0	38.9



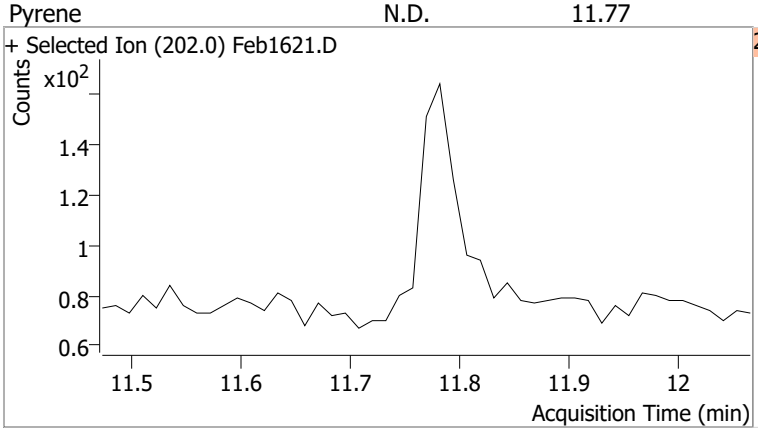


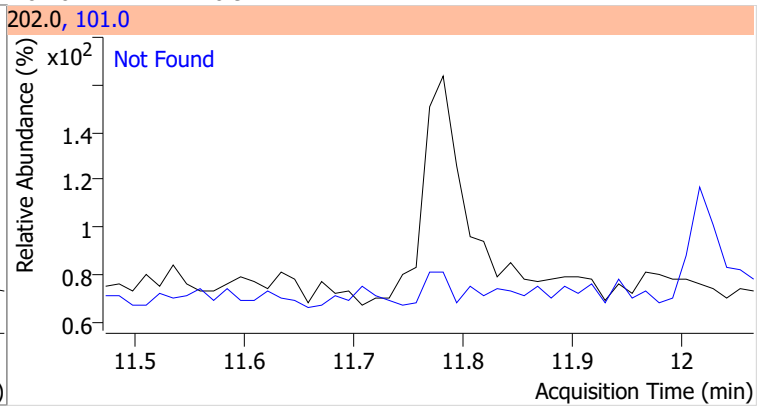
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.40	101.0	9.3



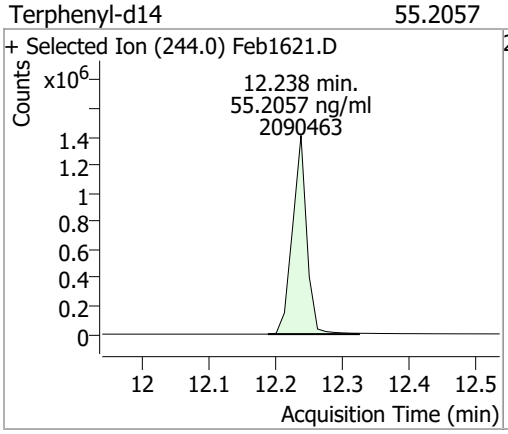


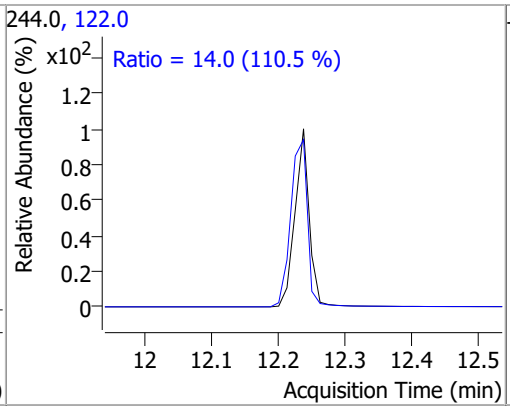
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.77	101.0	10.9

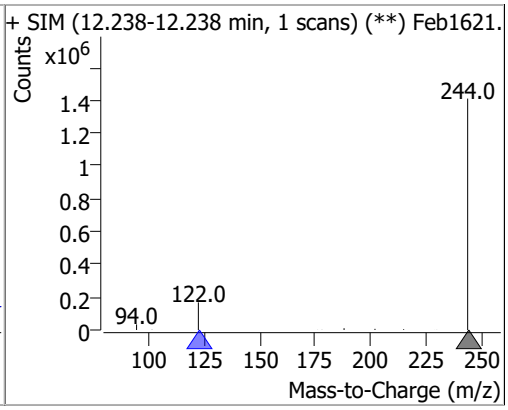




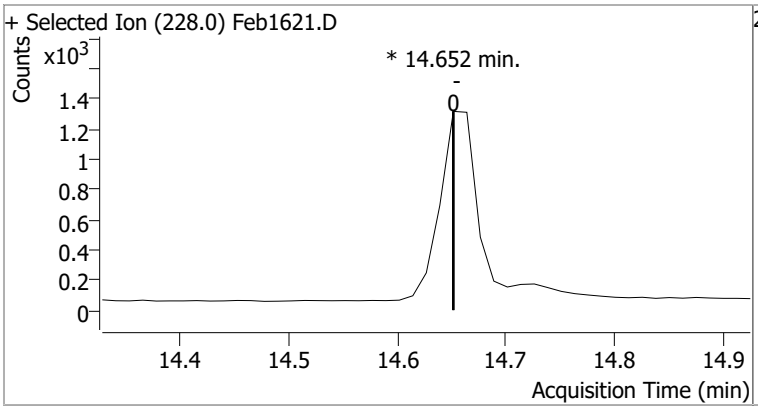
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	55.2057	12.24	0.00	2090463	122.0	14.0	8.9	16.5

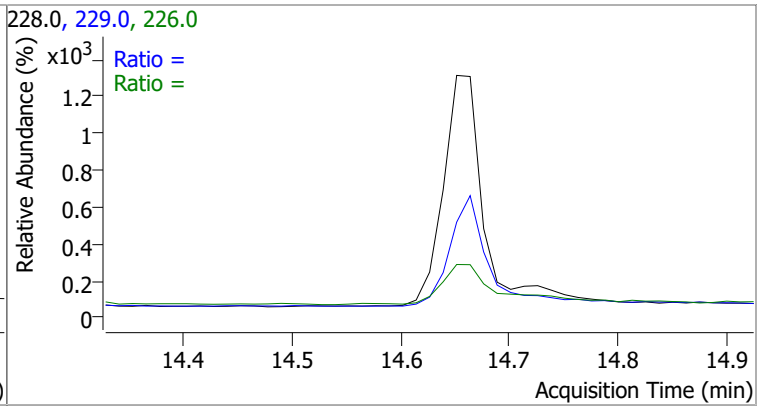




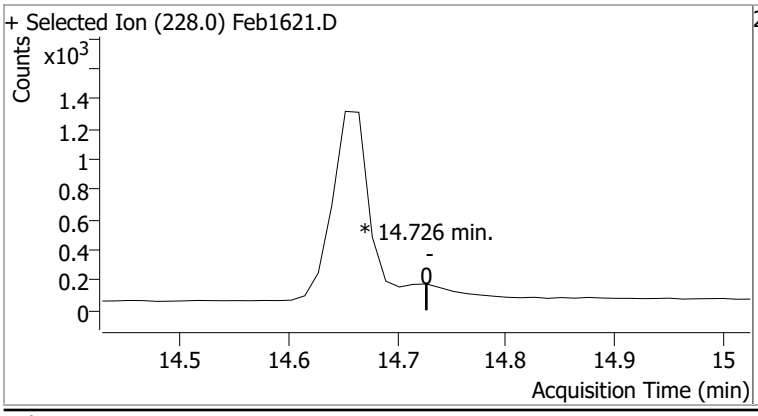


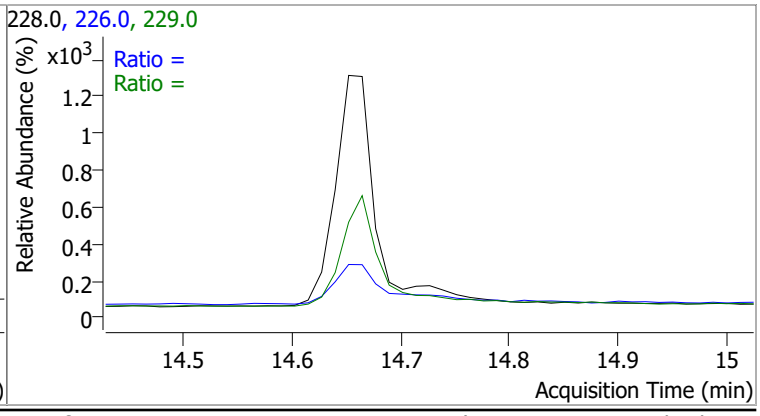
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.0	33.4
					229.0		16.5	30.7



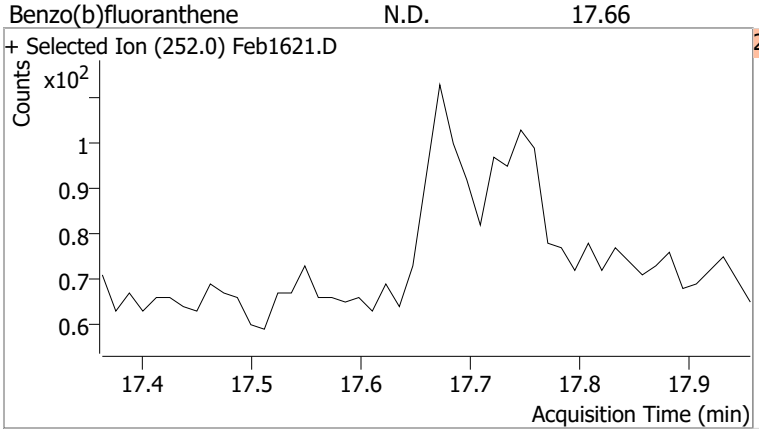


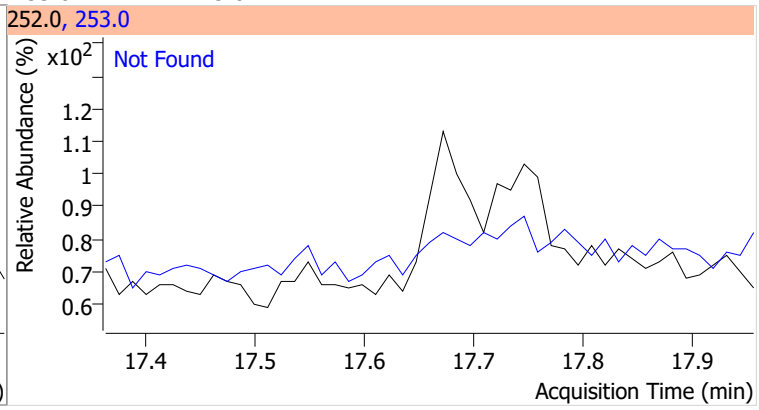
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		20.2	37.5
					229.0		15.5	28.8



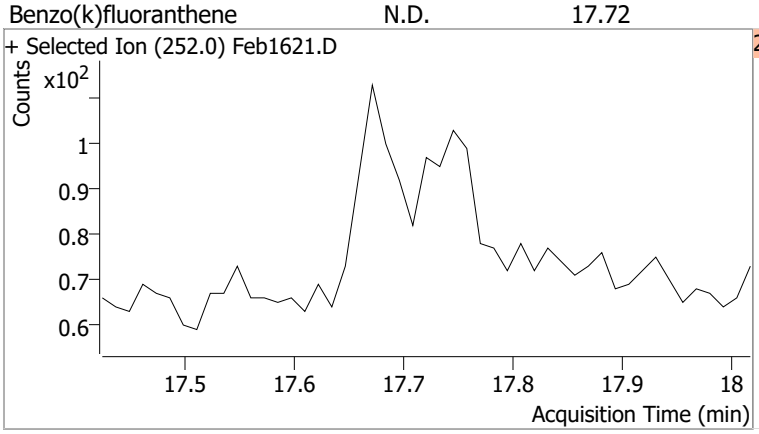


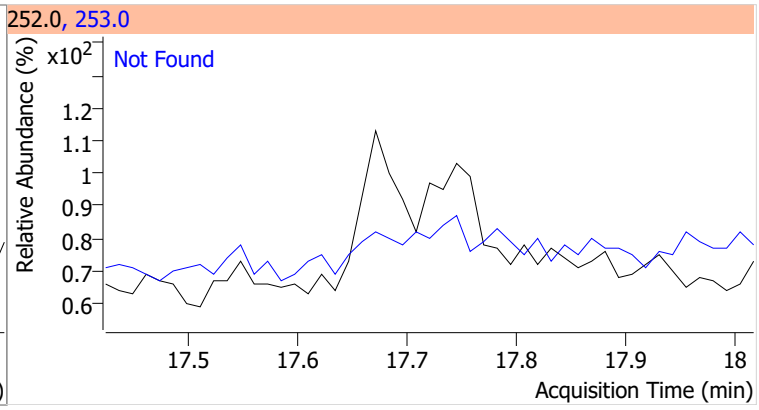
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.66	253.0	23.0



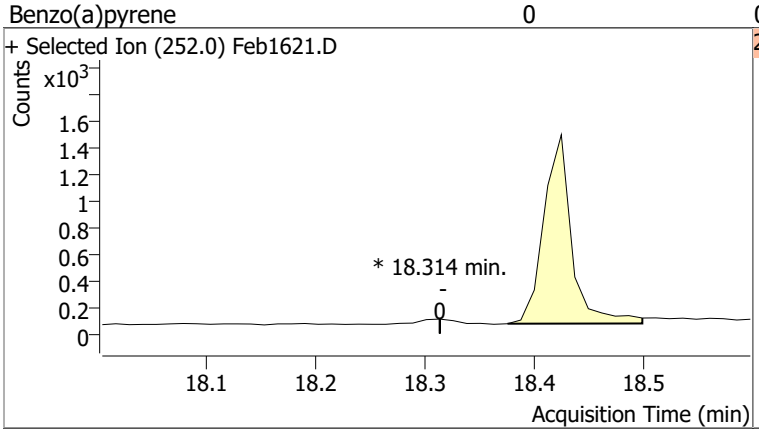


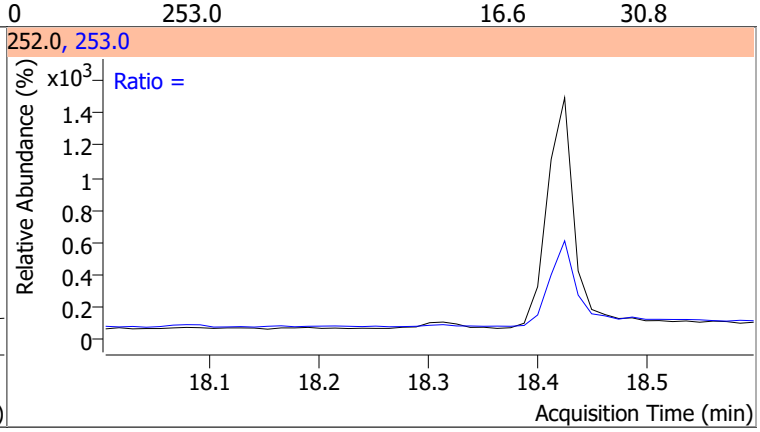
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.72	253.0	21.7



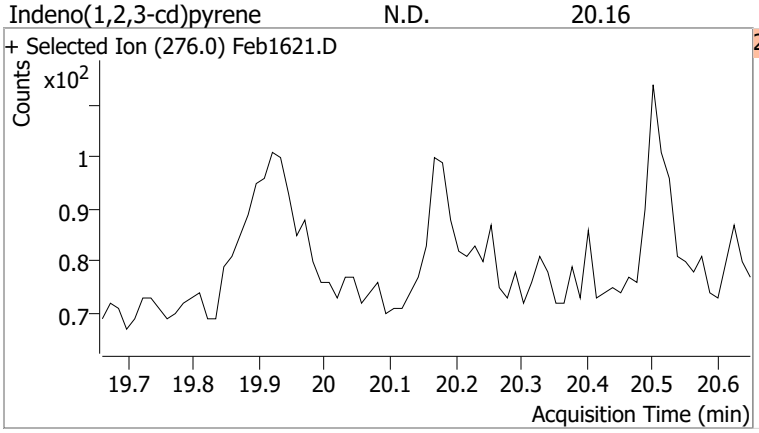


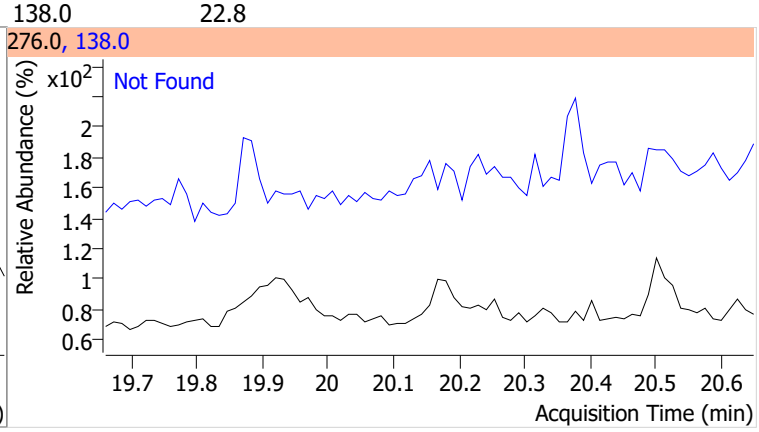
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.6	30.8



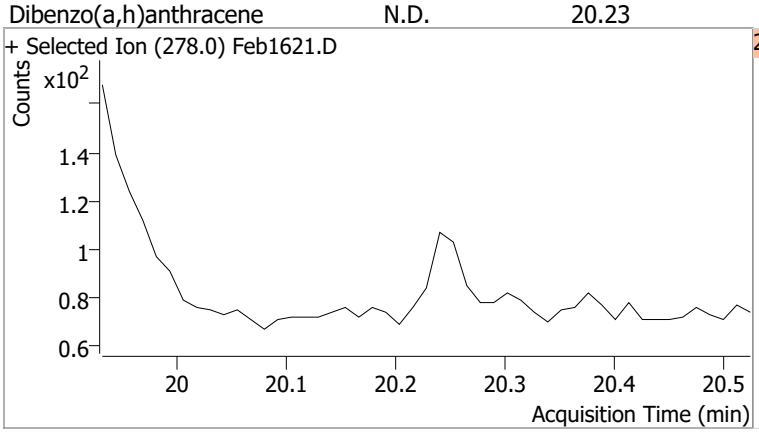


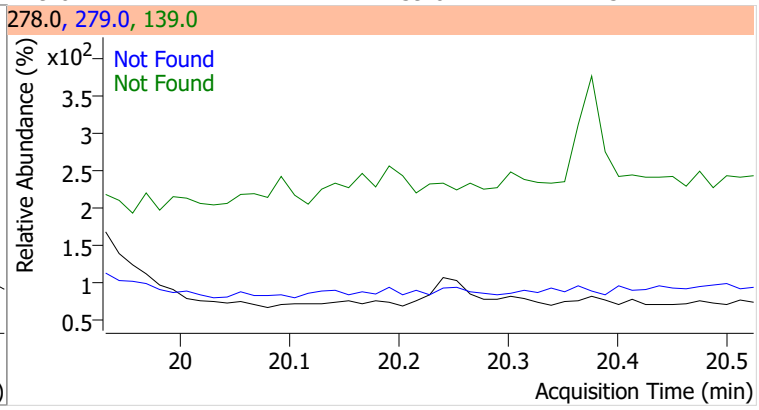
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.16	138.0	22.8



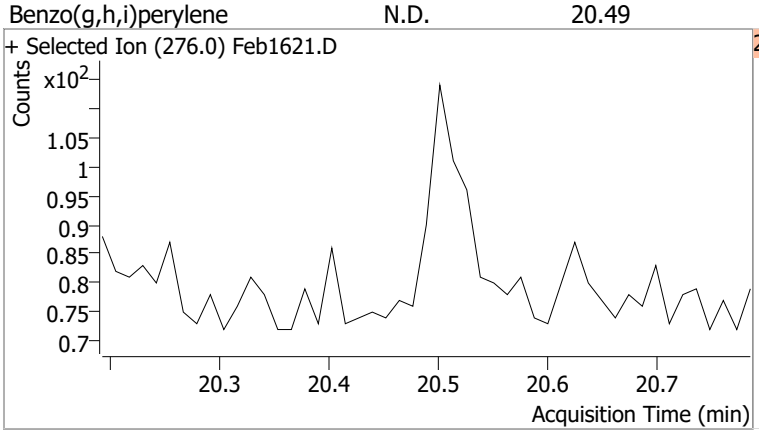


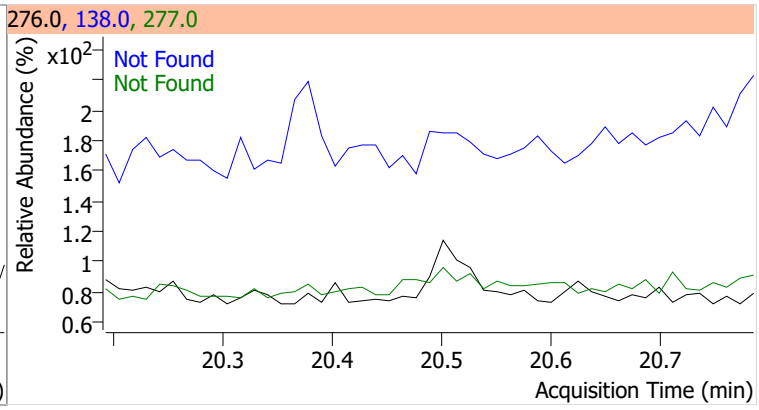
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.7	139.0	17.3





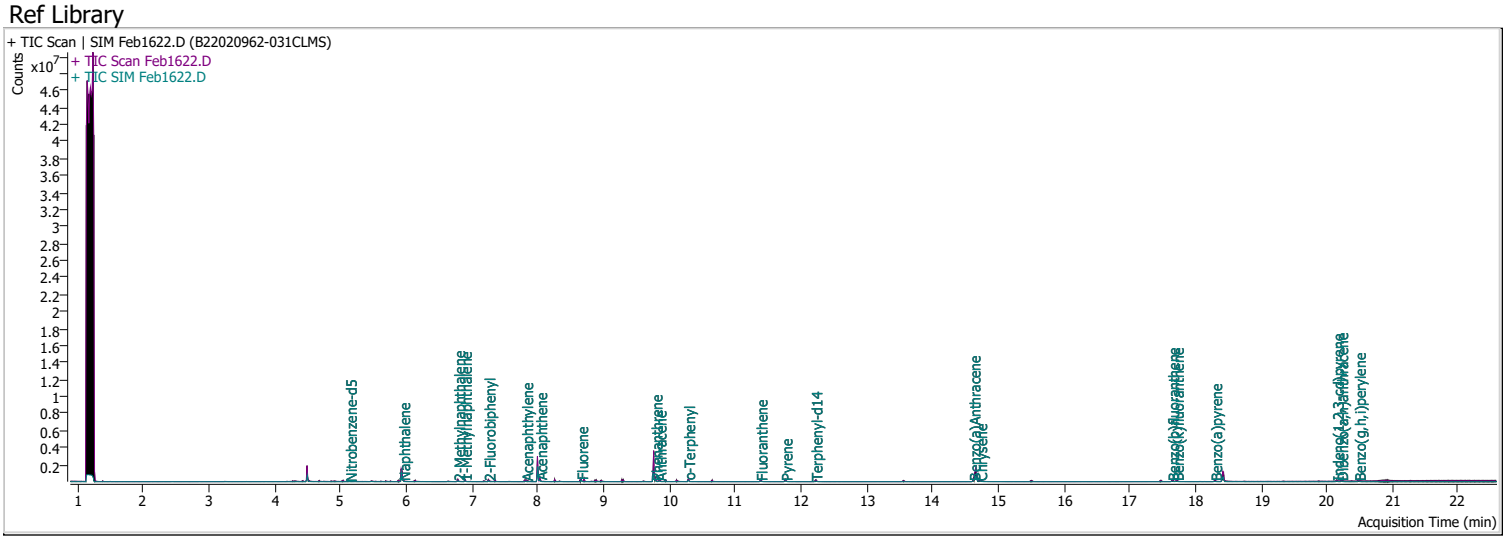
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.6	138.0	23.4





Quantitation Results Report (QT Reviewed)

Data File	Feb1622.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/16/2022 11:51:53 PM
Sample Name	B22020962-031CLMS	Instrument	GCMS
Vial	22	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

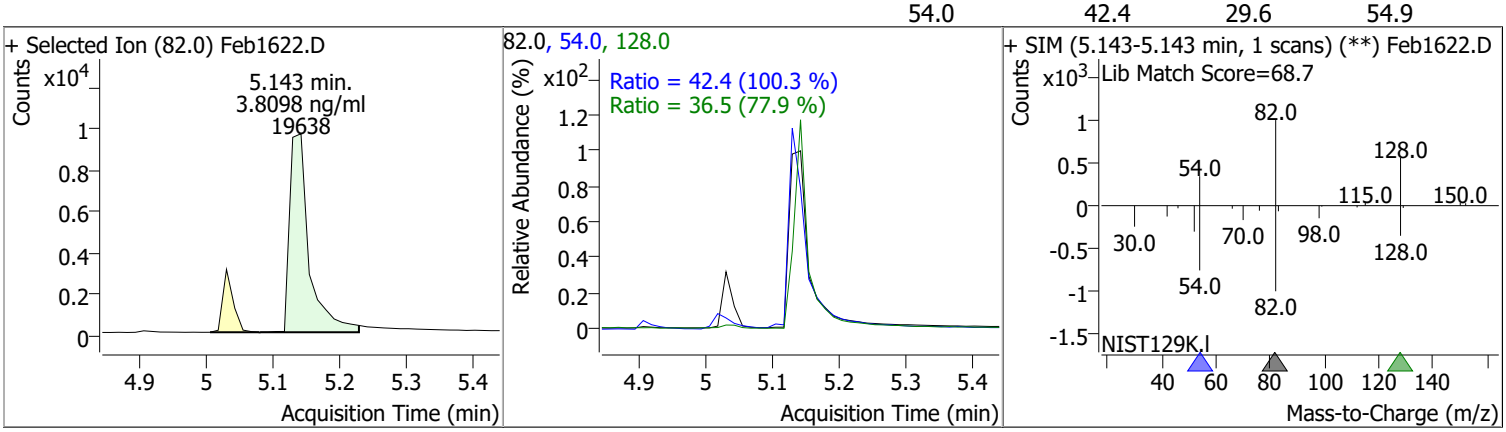


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	234758	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1035744	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.001	164.0	679776	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.756	188.0	1217204	40.0000	ng/ml		-0.012
M Chrysene-d12	14.664	240.0	957421	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	608380	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	19638	3.8098	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 76.20%			
S 2-Fluorobiphenyl	7.252	172.0	78102	4.1139	ng/ml		-0.013
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 82.28%			
S o-Terphenyl	10.287	230.0	76098	4.6142	ng/ml		-0.012
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 92.28%			
S Terphenyl-d14	12.226	244.0	95104	4.8386	ng/ml		-0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 96.77%			
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	86252	3.4820	ng/ml		98
T 2-Methylnaphthalene	6.790	141.0	54965	3.4200	ng/ml	m	97
T 1-Methylnaphthalene	6.890	141.0	52027	2.9391	ng/ml	m	96
T Acenaphthylene	7.826	152.0	89545	3.9961	ng/ml		94
T Acenaphthene	8.038	154.0	68871	4.1678	ng/ml	m	99
T Fluorene	8.661	166.0	89703	4.4173	ng/ml	#	96
T Phenanthrene	9.793	178.0	131859	4.5866	ng/ml		99
T Anthracene	9.854	178.0	113000	4.3335	ng/ml		100
T Fluoranthene	11.386	202.0	136269	4.6980	ng/ml		99
T Pyrene	11.769	202.0	145166	4.6932	ng/ml		97
T Benzo(a)Anthracene	14.627	228.0	107461	4.6845	ng/ml		99
T Chrysene	14.726	228.0	135046	4.5974	ng/ml		98
T Benzo(b)fluoranthene	17.647	252.0	96930	4.8340	ng/ml		100

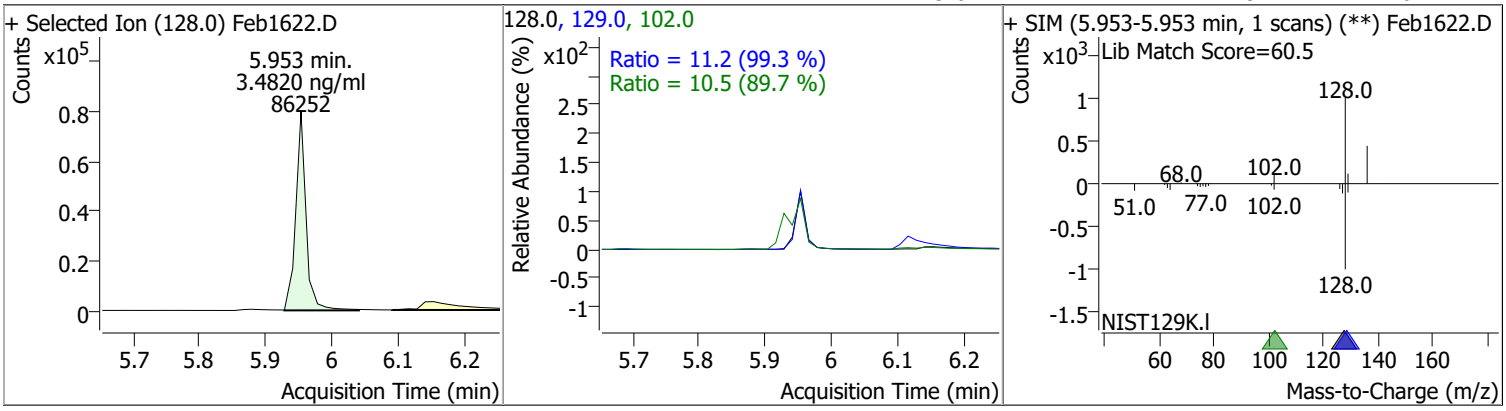
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.721	252.0	100738	4.3686	ng/ml	97
T Benzo(a)pyrene	18.302	252.0	78022	4.5047	ng/ml	99
T Indeno(1,2,3-cd)pyrene	20.155	276.0	67059	4.5057	ng/ml	95
T Dibenzo(a,h)anthracene	20.217	278.0	84987	4.8554	ng/ml	98
T Benzo(g,h,i)perylene	20.489	276.0	96157	4.6866	ng/ml	97

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

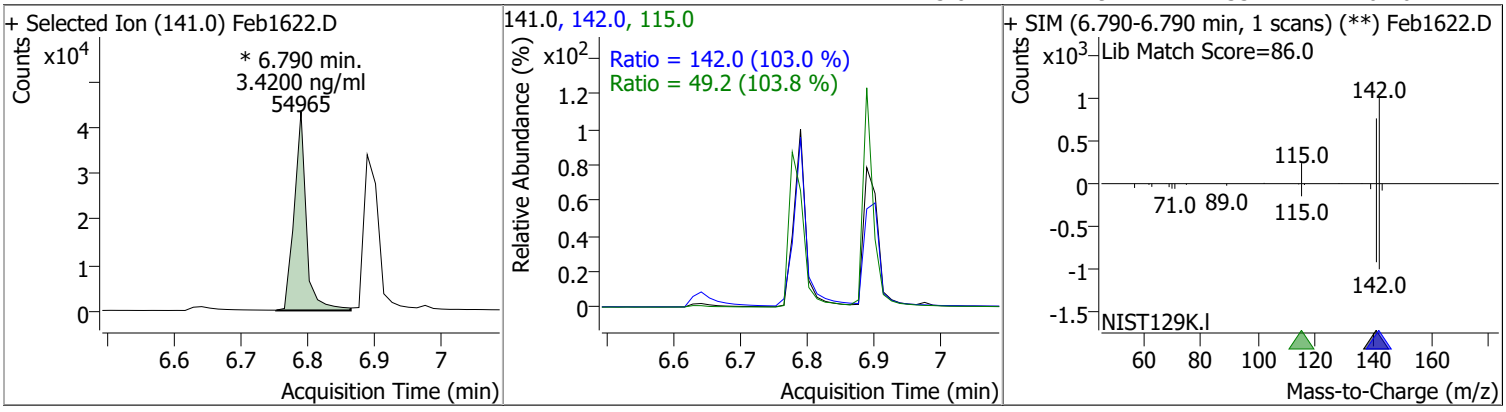
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	3.8098	5.14	0.00	19638	128.0	36.5	32.9	61.0
					54.0	42.4	29.6	54.9



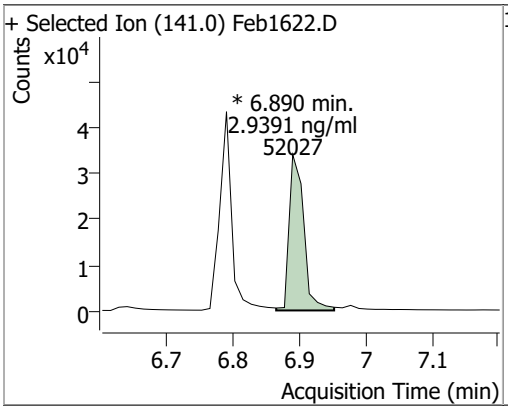
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	3.4820	5.95	0.00	86252	102.0	10.5	0.0	35.2
					129.0	11.2	7.9	14.6

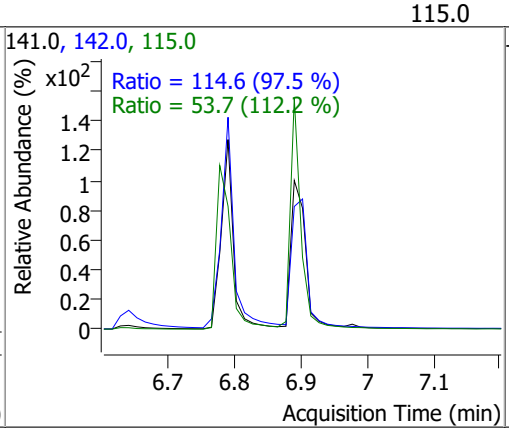


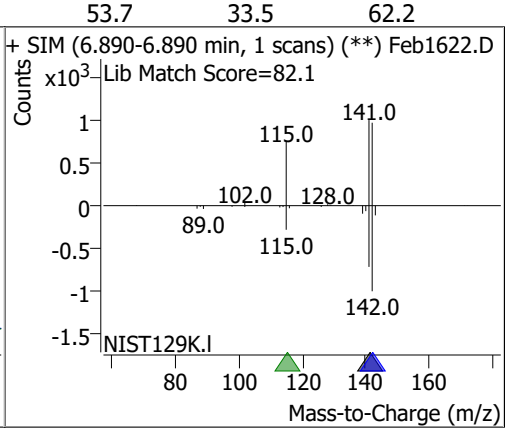
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	3.4200	6.79	0.00	54965 (m)	142.0	142.0	96.5	179.2
					115.0	49.2	33.2	61.6



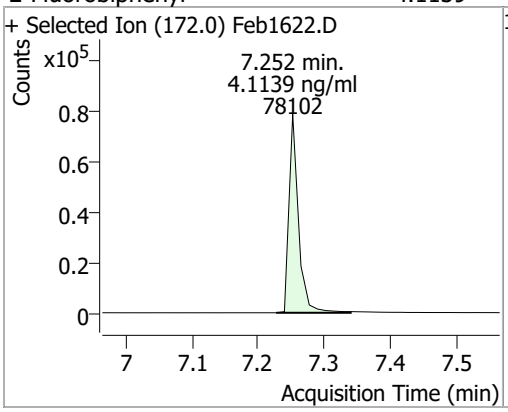
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	2.9391	6.89	-0.01	52027 (m)	142.0	114.6	82.3	152.8
					115.0	53.7	33.5	62.2

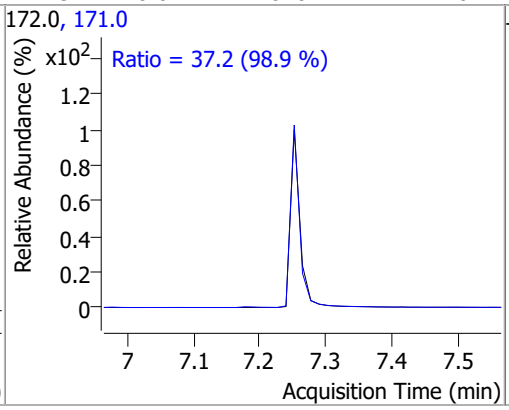


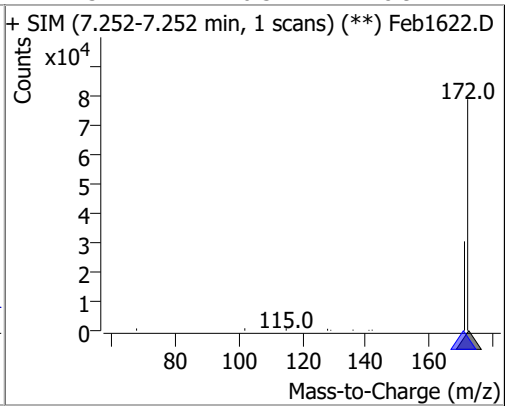




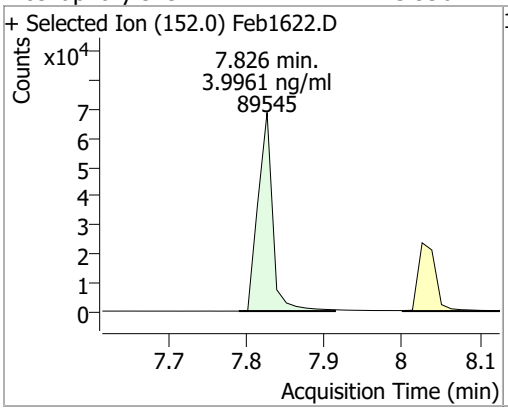
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	4.1139	7.25	-0.01	78102	171.0	37.2	26.3	48.9

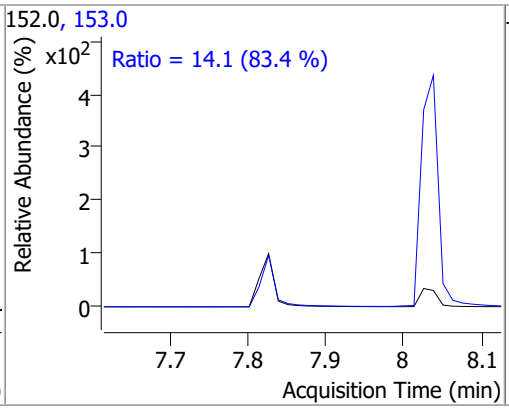


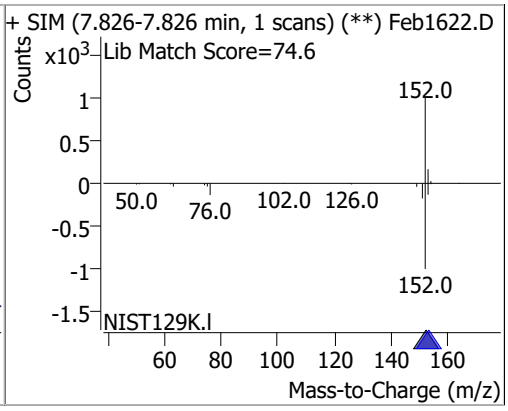




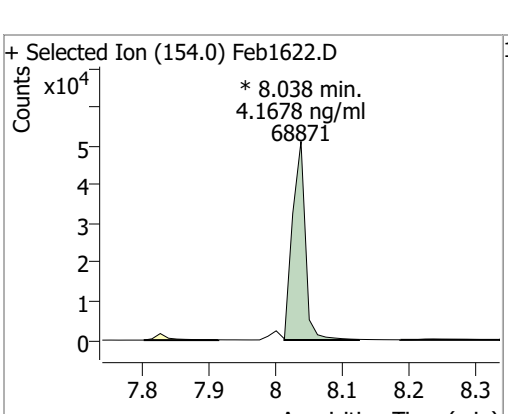
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	3.9961	7.83	0.00	89545	153.0	14.1	11.8	22.0

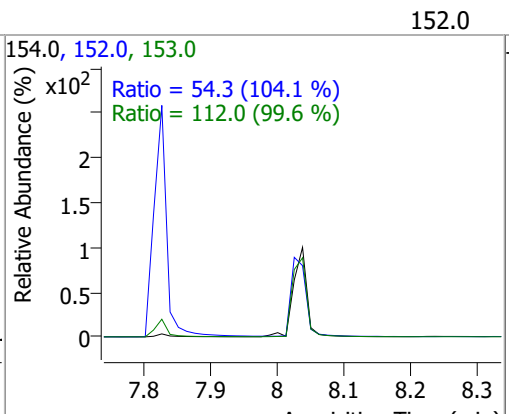


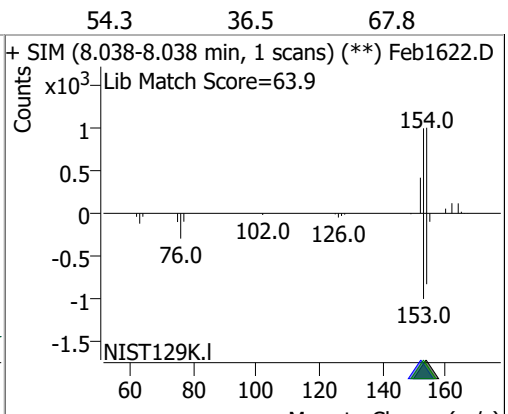




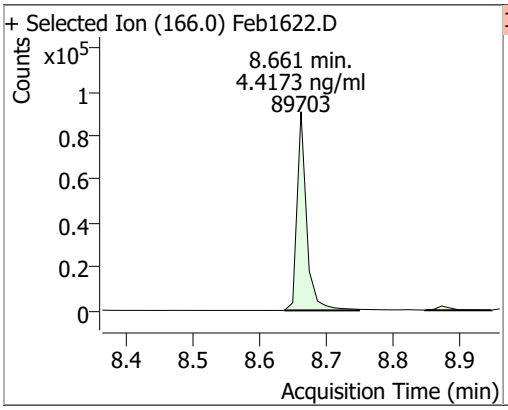
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	4.1678	8.04	0.00	68871 (m)	153.0	112.0	78.7	146.2
					152.0	54.3	36.5	67.8

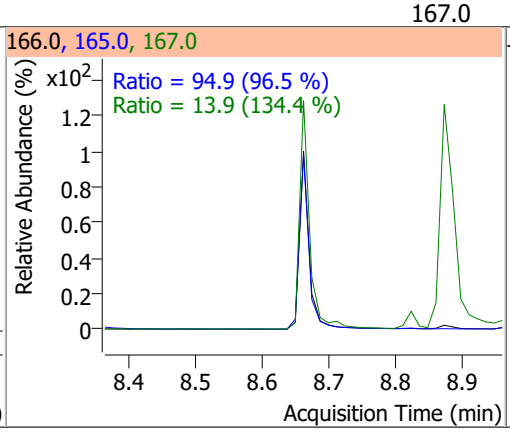


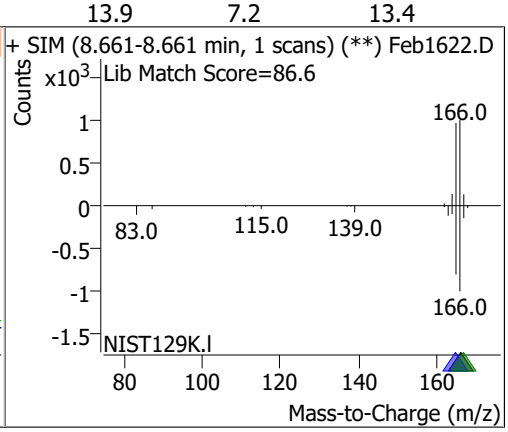




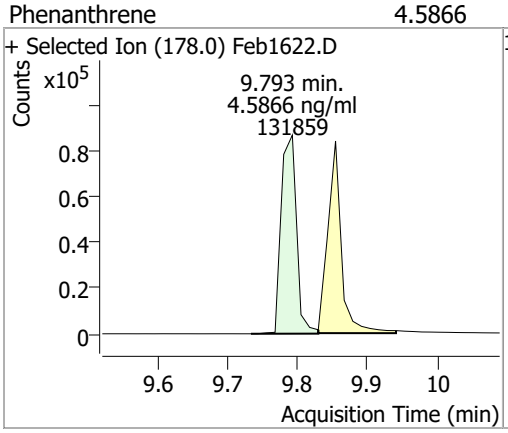
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	4.4173	8.66	0.00	89703	165.0	94.9	68.8	127.8
					167.0	13.9	7.2	13.4

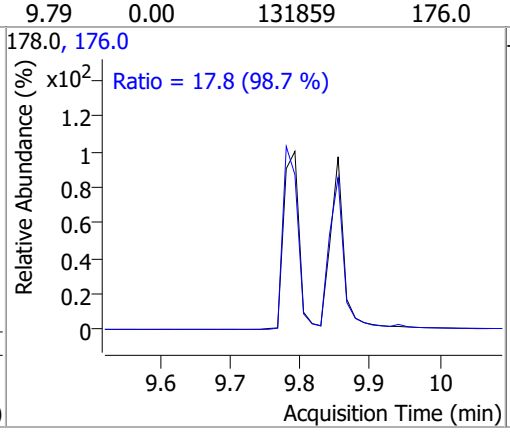


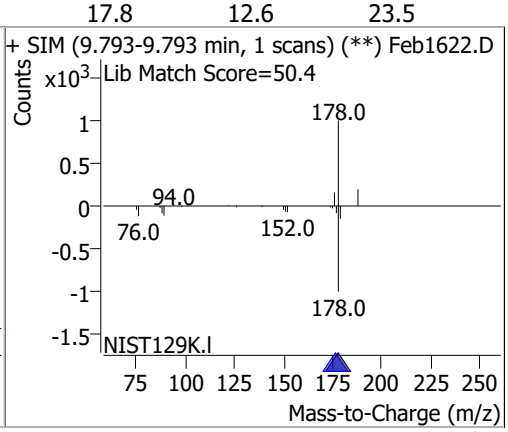




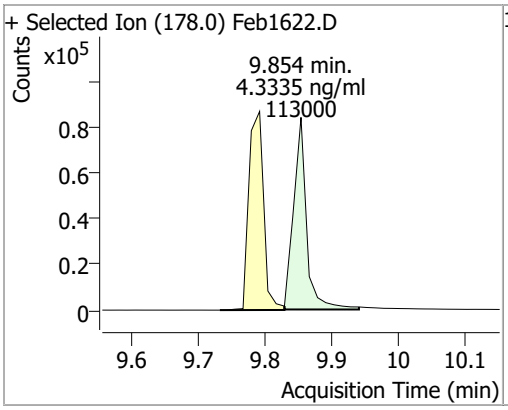
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	4.5866	9.79	0.00	131859	176.0	17.8	12.6	23.5

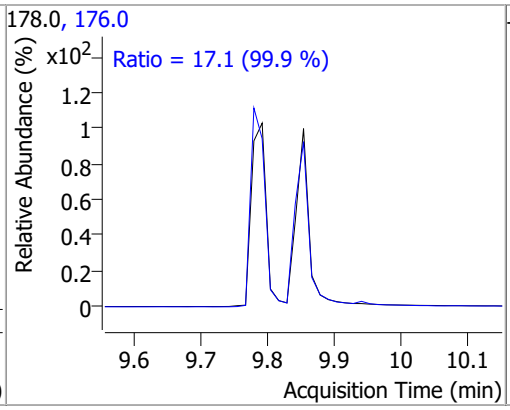


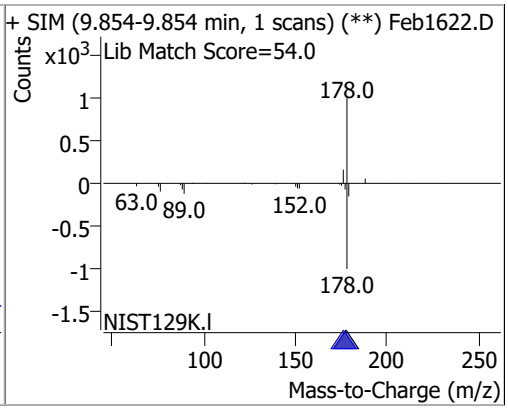




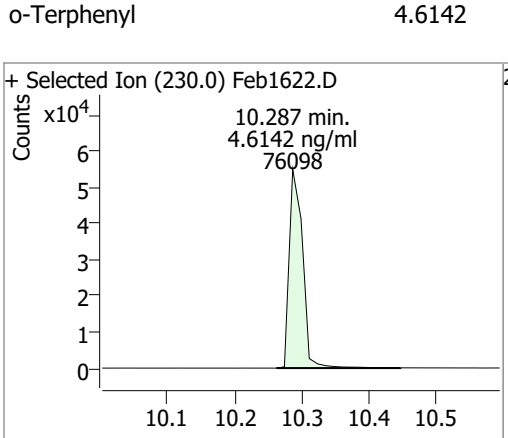
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	4.3335	9.85	0.00	113000	176.0	17.1	12.0	22.3

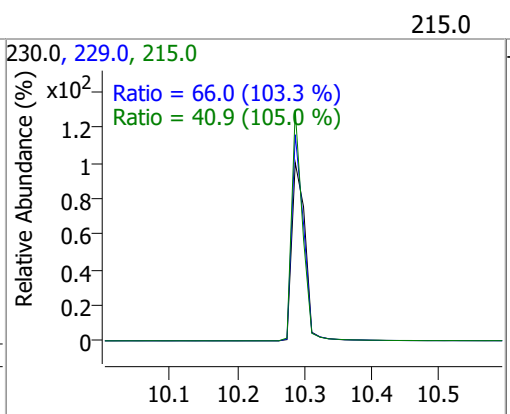


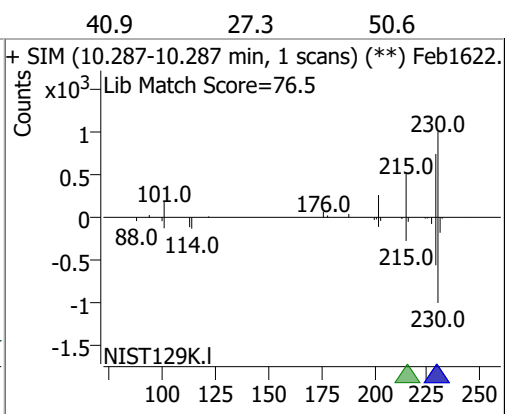




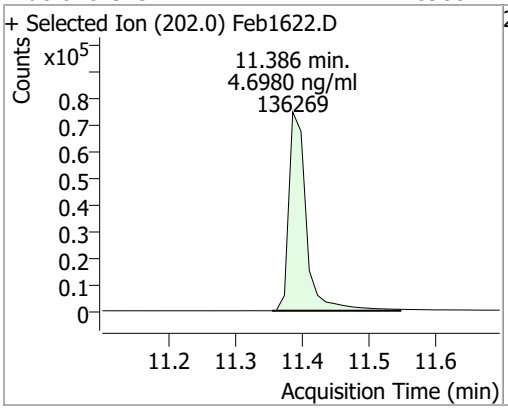
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	4.6142	10.29	-0.01	76098	229.0	66.0	44.8	83.1
					215.0	40.9	27.3	50.6

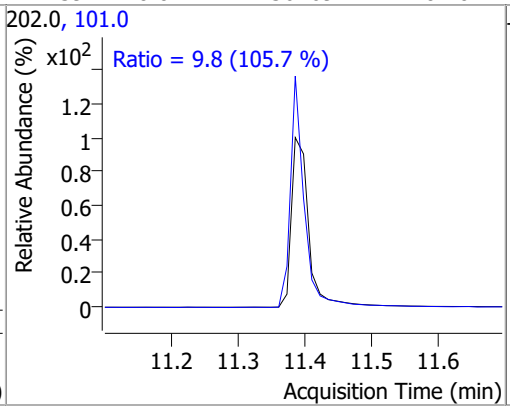


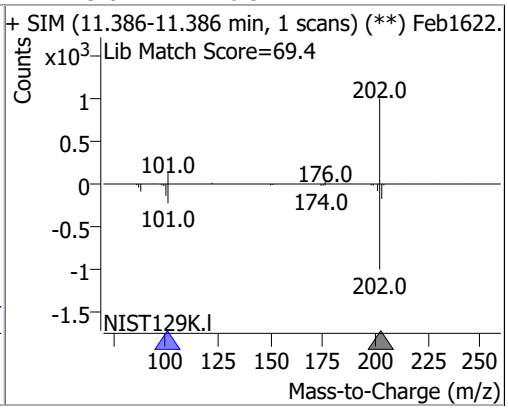




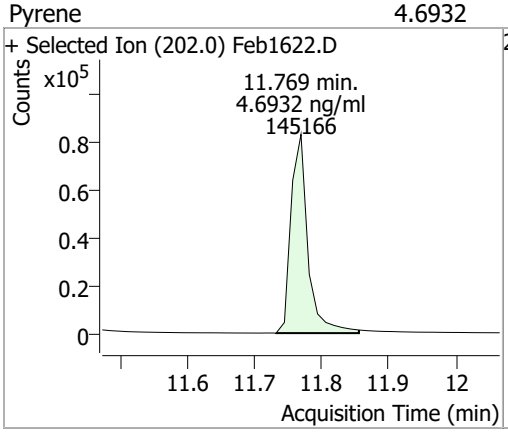
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	4.6980	11.39	-0.01	136269	101.0	9.8	6.5	12.1

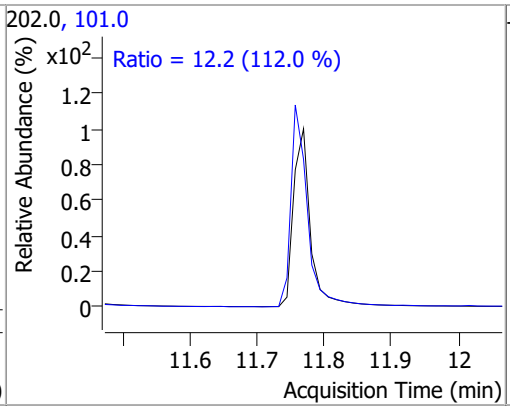


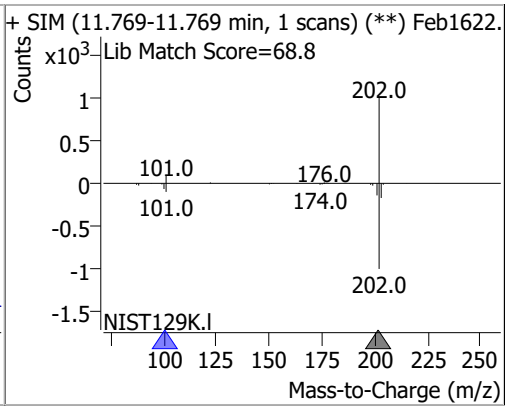




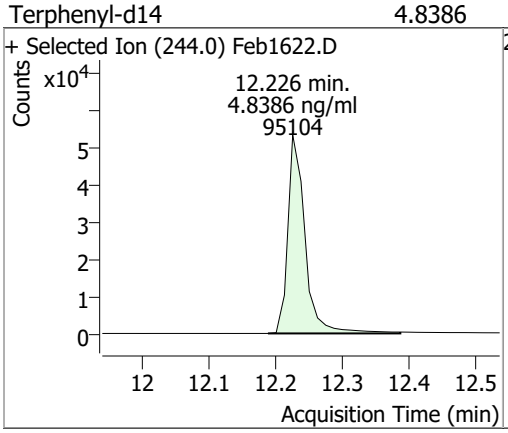
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	4.6932	11.77	0.00	145166	101.0	12.2	7.6	14.2

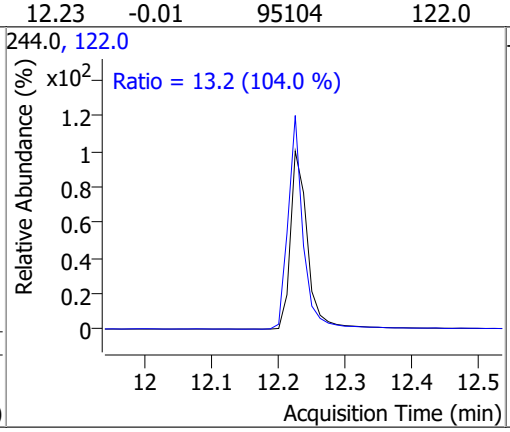


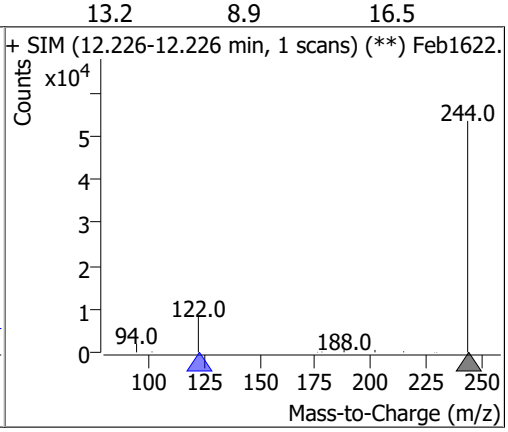




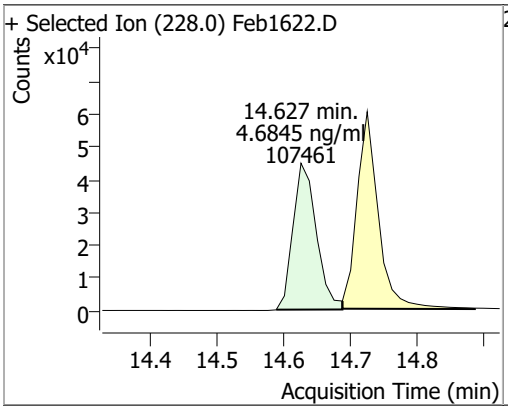
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	4.8386	12.23	-0.01	95104	122.0	13.2	8.9	16.5

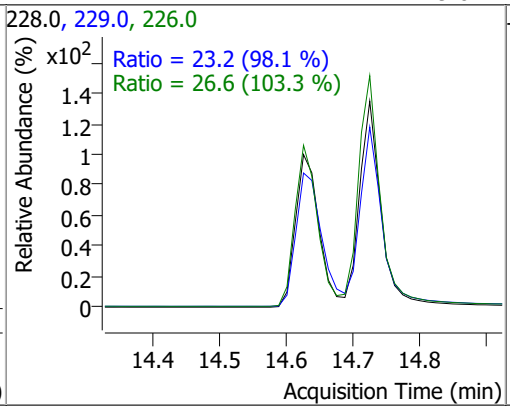


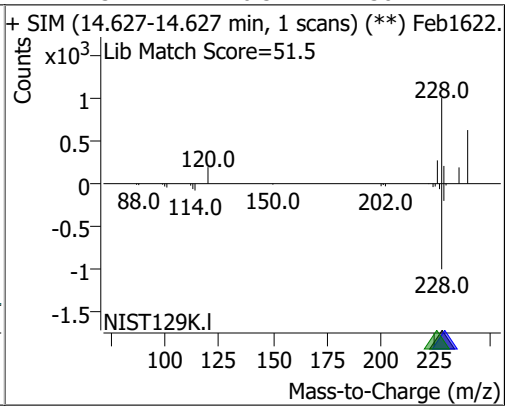




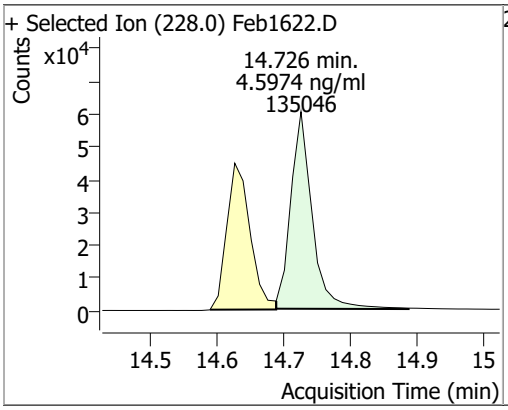
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	4.6845	14.63	0.00	107461	226.0	26.6	18.0	33.4
					229.0	23.2	16.5	30.7

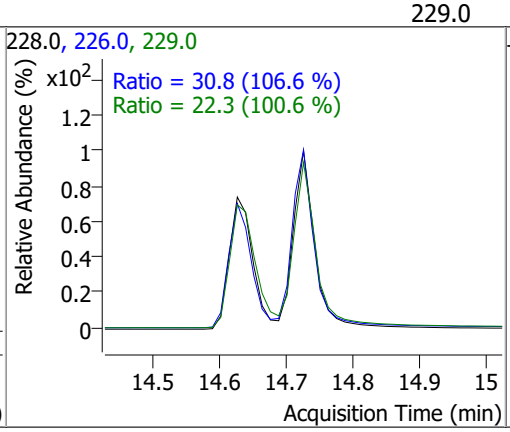


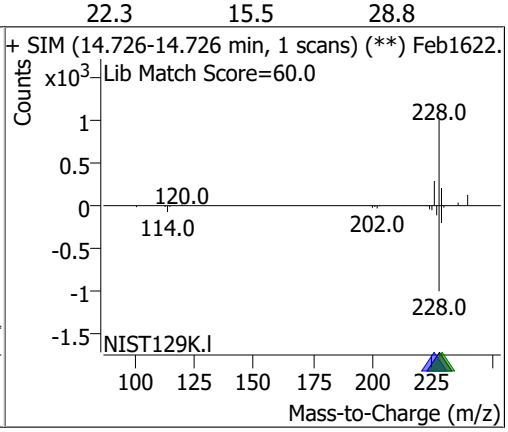




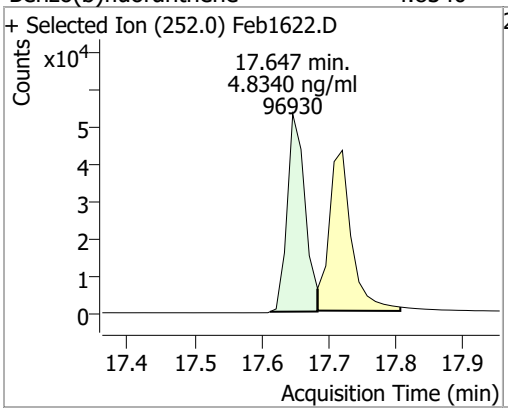
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	4.5974	14.73	0.00	135046	226.0	30.8	20.2	37.5
					229.0	22.3	15.5	28.8

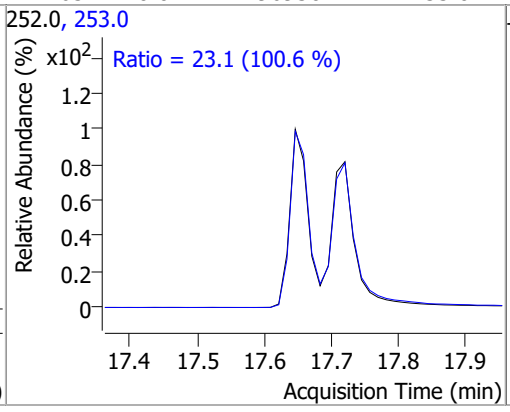


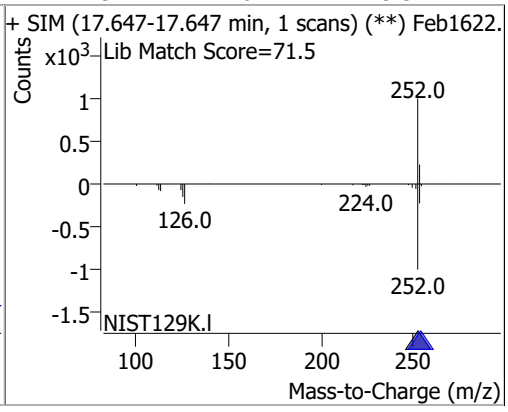




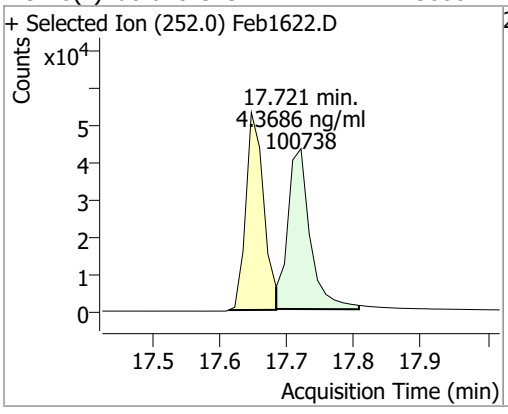
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	4.8340	17.65	-0.01	96930	253.0	23.1	16.1	29.9

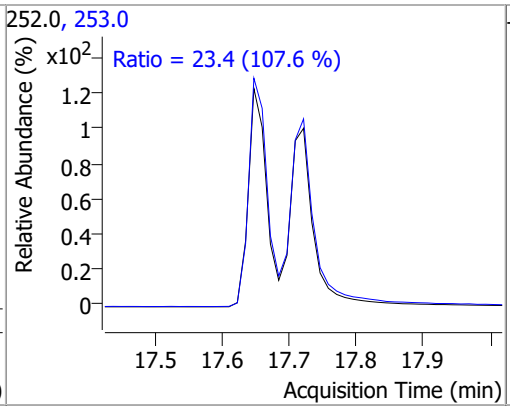


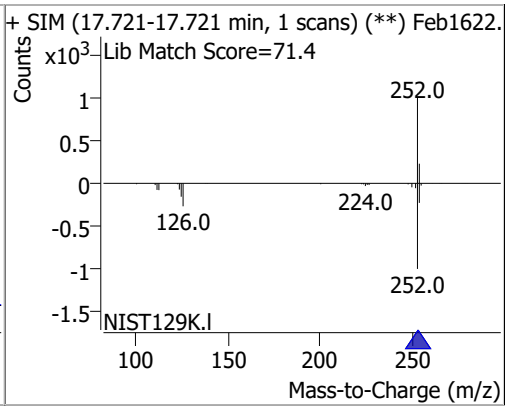




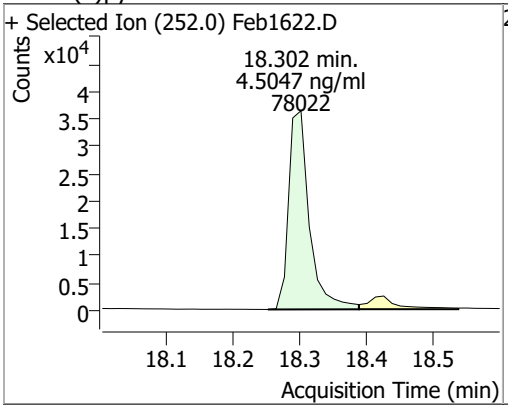
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	4.3686	17.72	0.00	100738	253.0	23.4	15.2	28.2

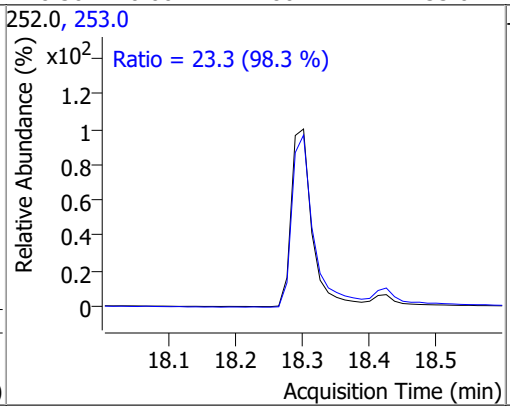


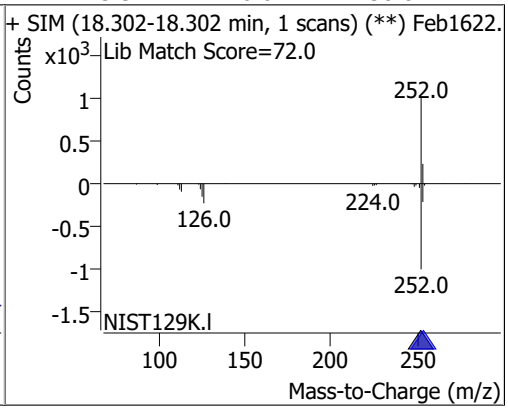




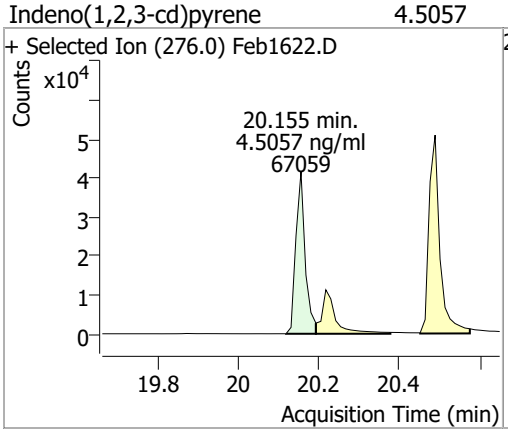
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	4.5047	18.30	0.00	78022	253.0	23.3	16.6	30.8

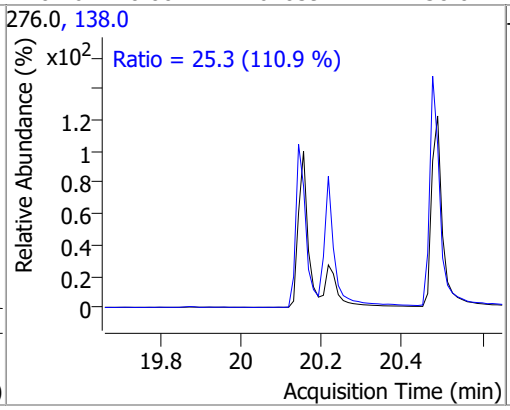


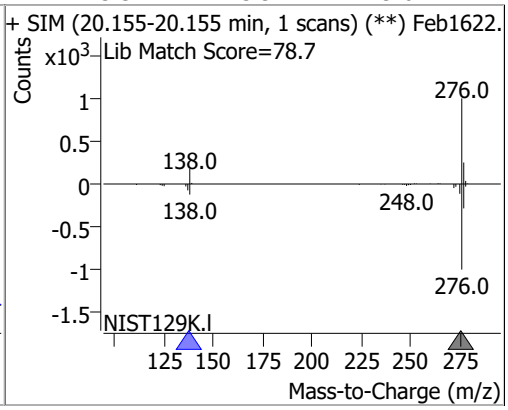




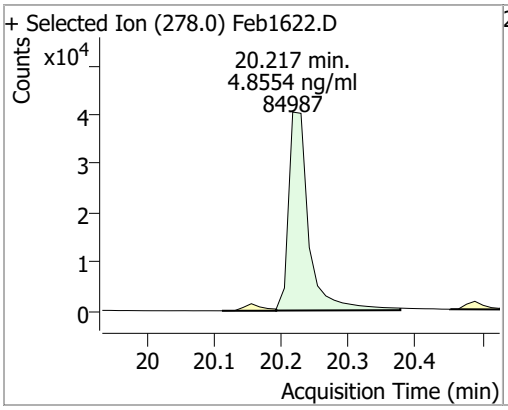
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	4.5057	20.16	0.00	67059	138.0	25.3	15.9	29.6

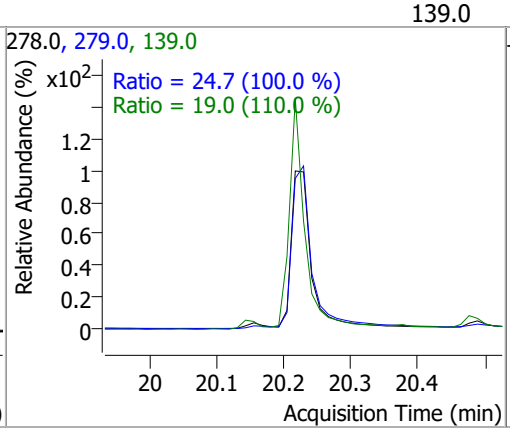


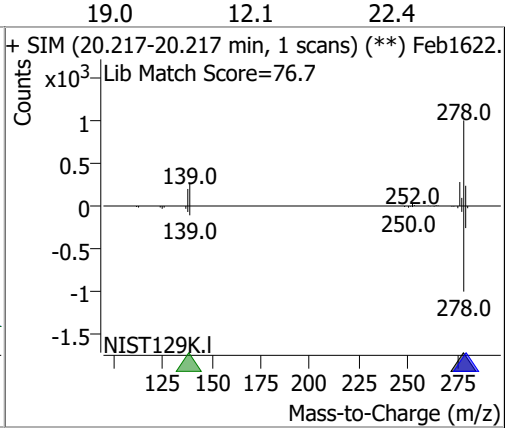




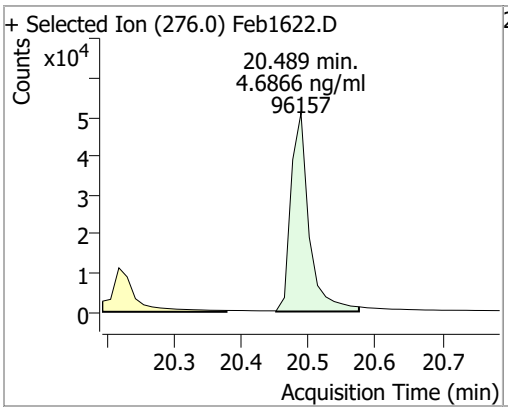
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	4.8554	20.22	-0.01	84987	279.0	24.7	17.3	32.0
					139.0	19.0	12.1	22.4

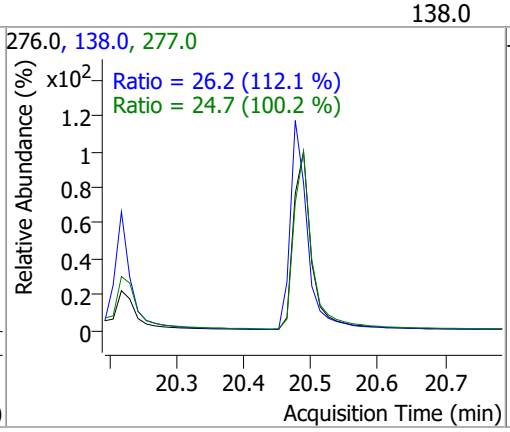


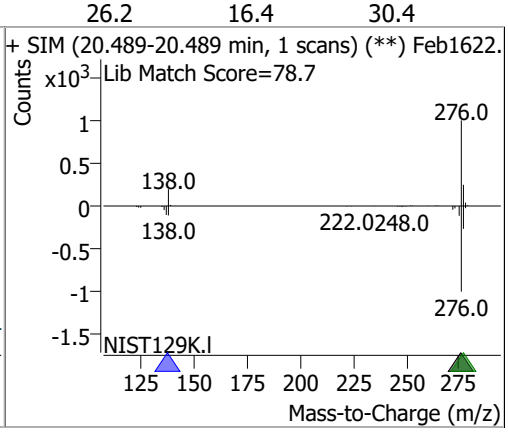




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	4.6866	20.49	0.00	96157	277.0	24.7	17.2	32.0
					138.0	26.2	16.4	30.4



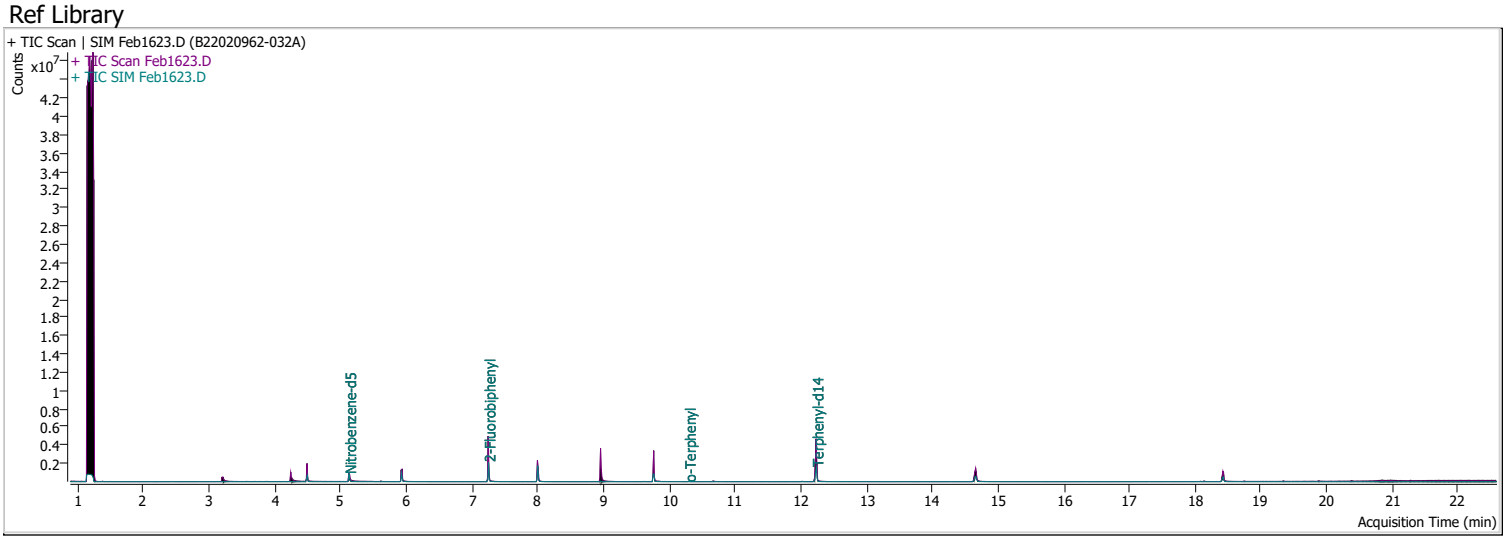




Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

Data File	Feb1623.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/17/2022 12:24:03 AM
Sample Name	B22020962-032A	Instrument	GCMS
Vial	23	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

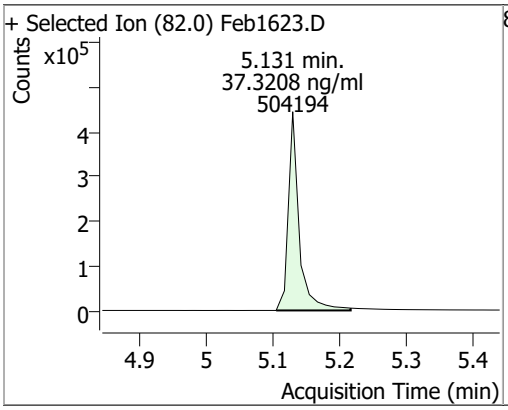


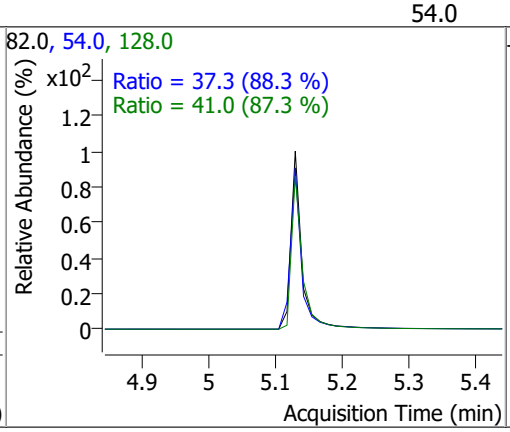
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	257542	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	992417	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.001	164.0	695291	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1239739	40.0000	ng/ml		0.000
M Chrysene-d12	14.664	240.0	957842	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	600538	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.131	82.0	504194	37.3208	ng/ml		-0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 746.42%		*	
S 2-Fluorobiphenyl	7.252	172.0	1457182	36.3536	ng/ml		-0.013
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 727.07%		*	
S o-Terphenyl	10.299	230.0	3065	0.1380	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 2.76%		*	
S Terphenyl-d14	12.238	244.0	2018095	53.7532	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1075.06%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.001	154.0	0		ng/ml	md	1
T Fluorene	8.960	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.652	228.0	0		ng/ml	md	1
T Chrysene	14.726	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

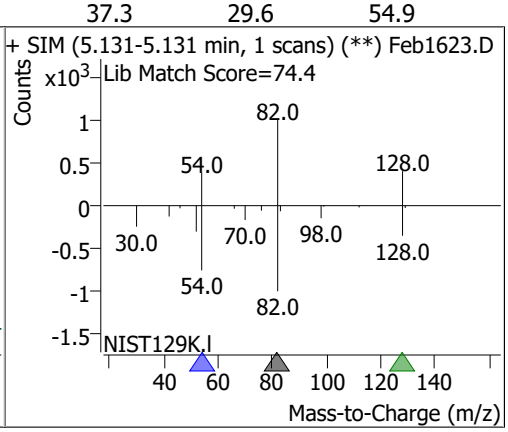
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.425	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

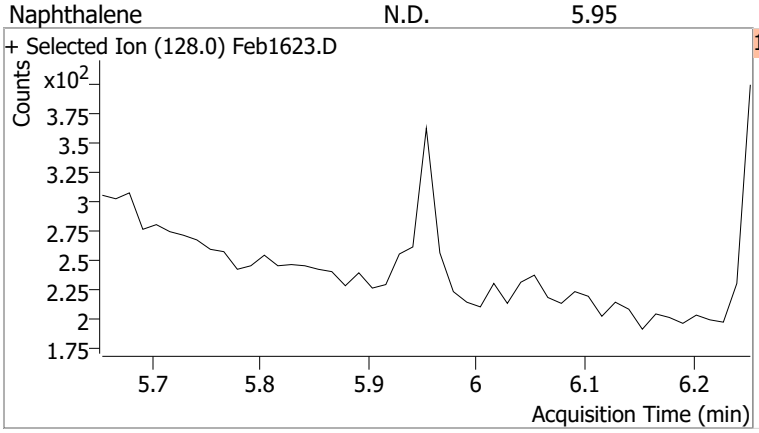
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	37.3208	5.13	-0.01	504194	128.0	41.0	32.9	61.0
					54.0	37.3	29.6	54.9

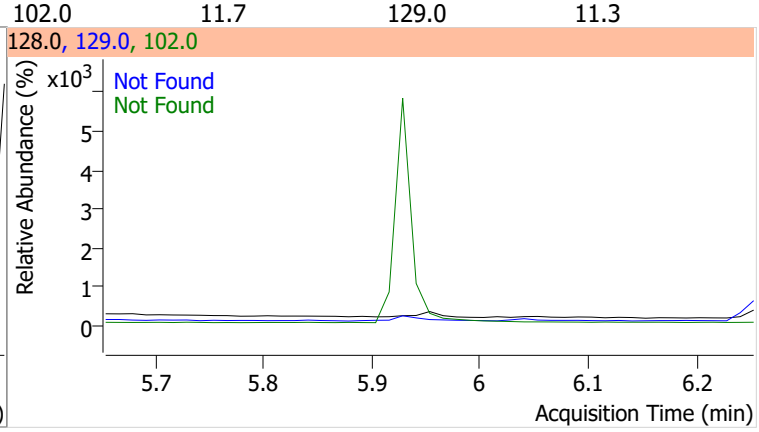




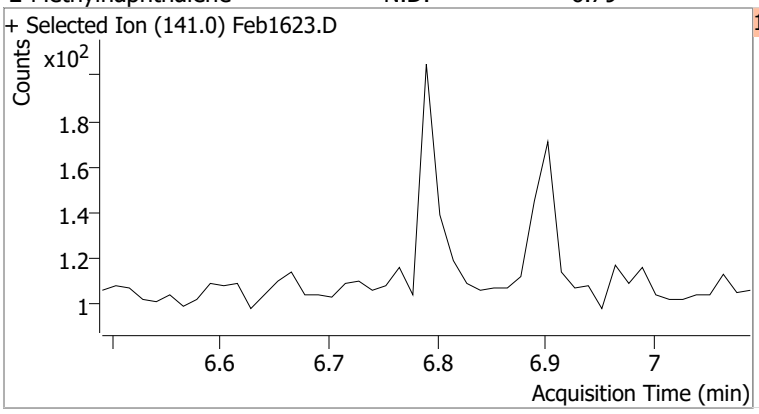


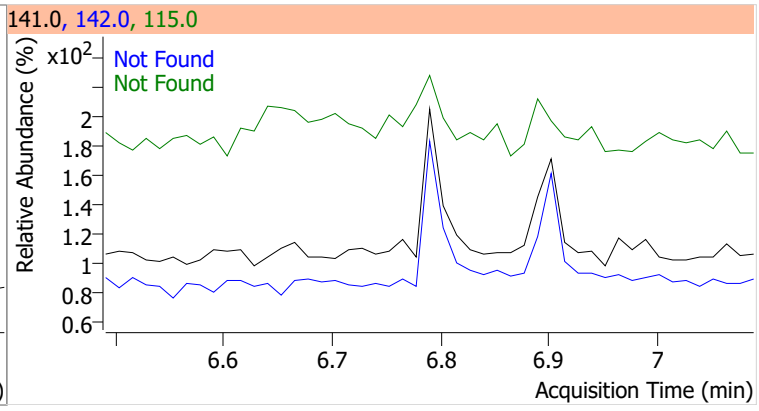
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.95	102.0	11.7	129.0	11.3



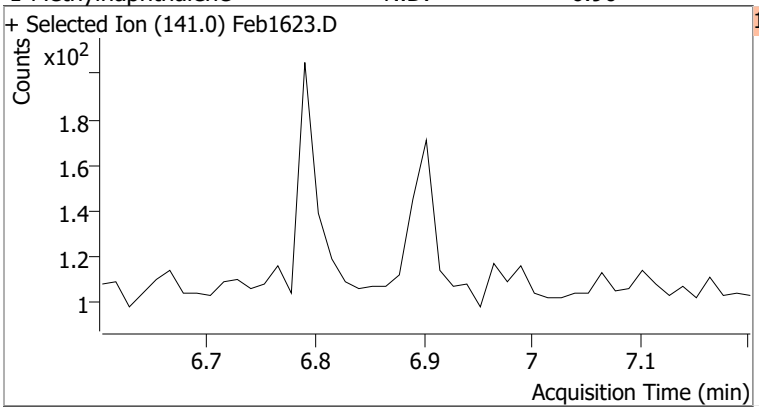


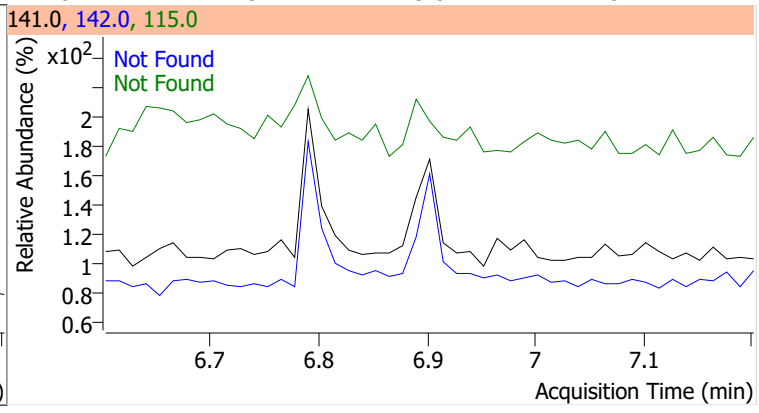
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.79	142.0	137.8	115.0	47.4



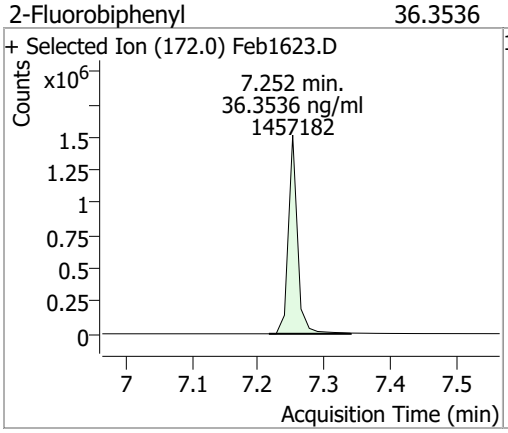


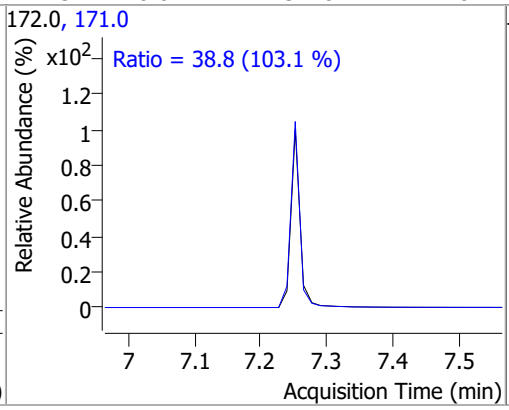
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.90	142.0	117.5	115.0	47.8

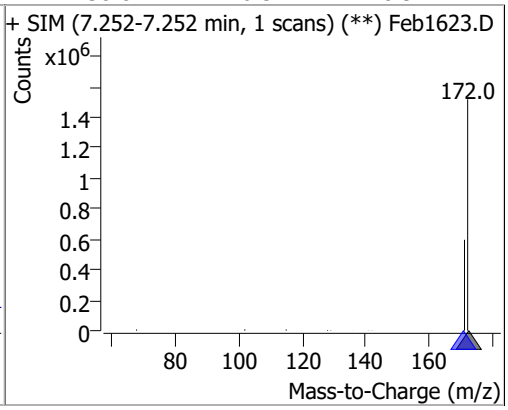




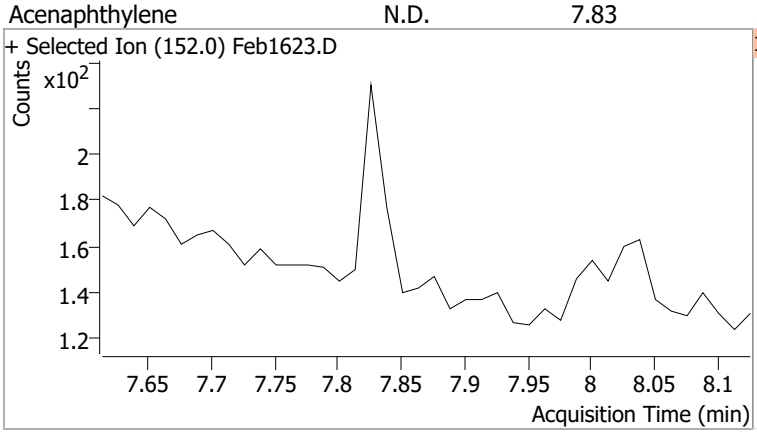
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	36.3536	7.25	-0.01	1457182	171.0	38.8	26.3	48.9

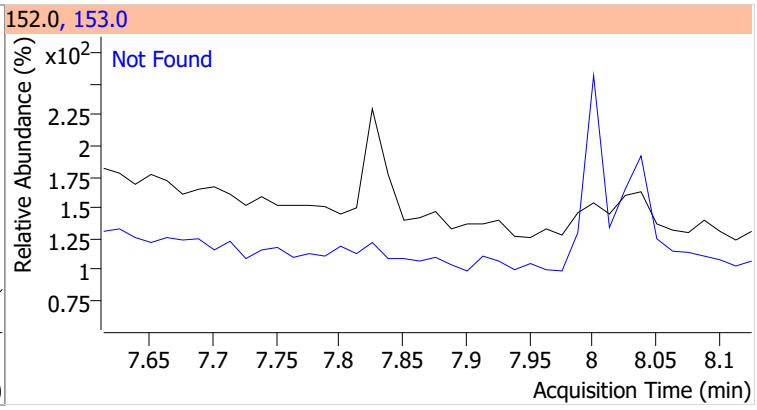




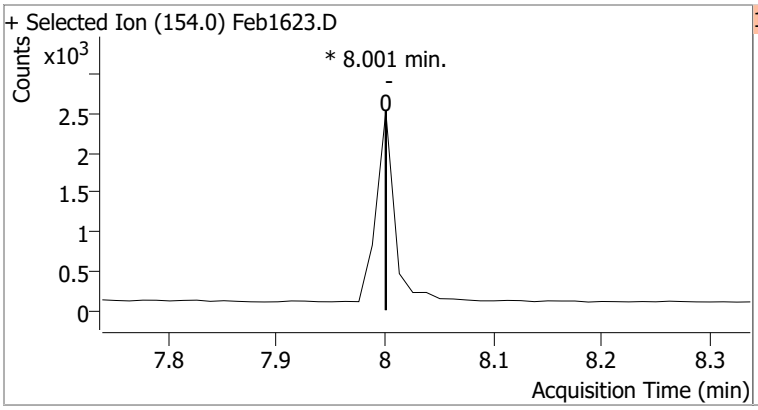


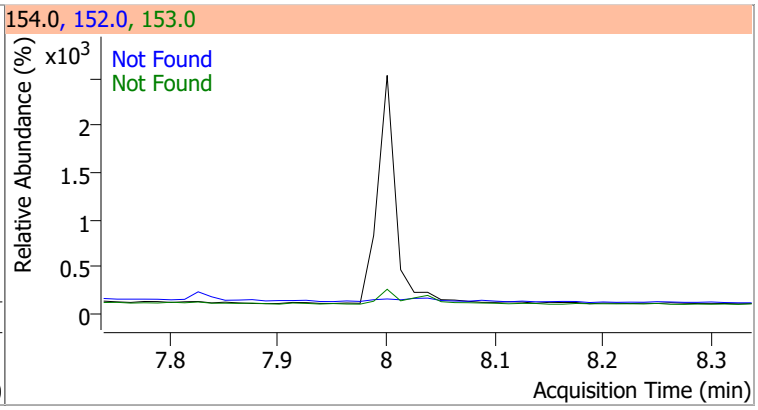
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	16.9



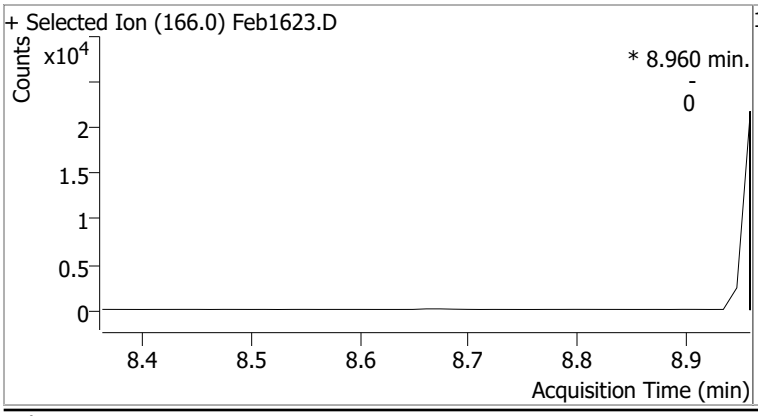


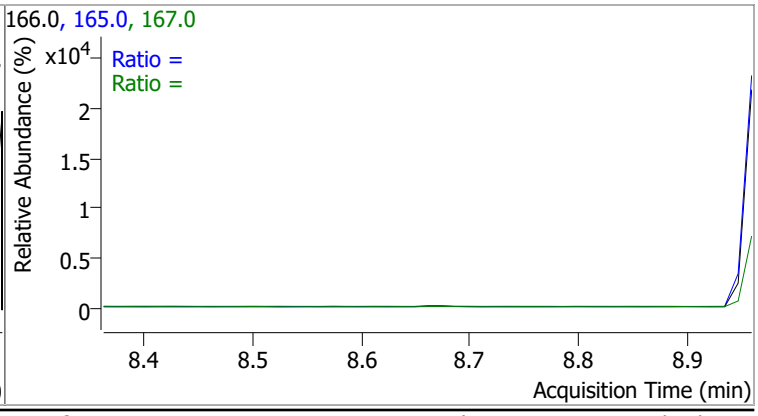
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		78.7	146.2
					152.0		36.5	67.8



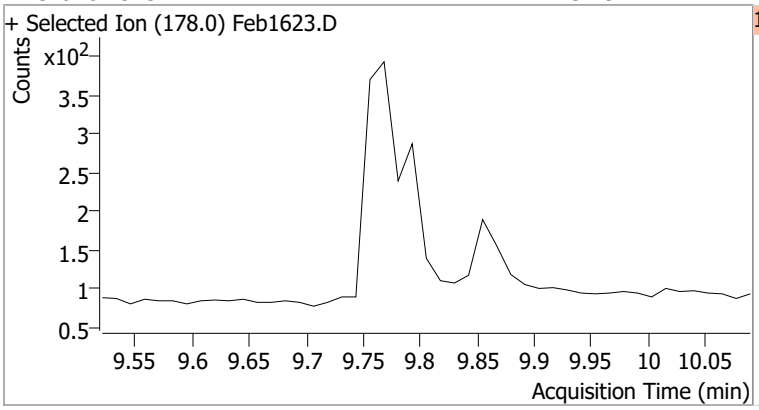


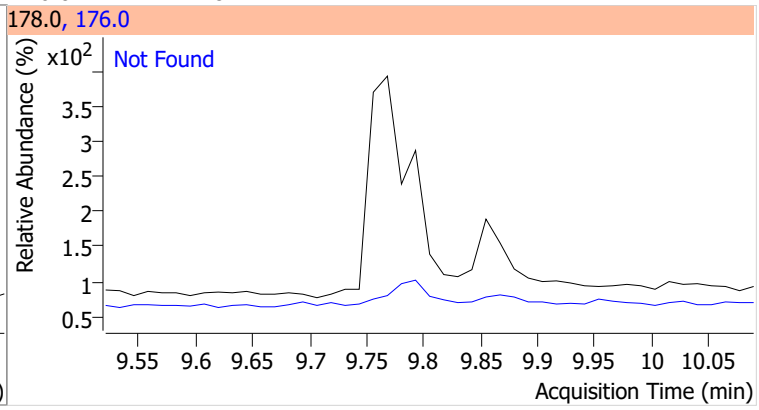
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		68.8	127.8
					167.0		7.2	13.4



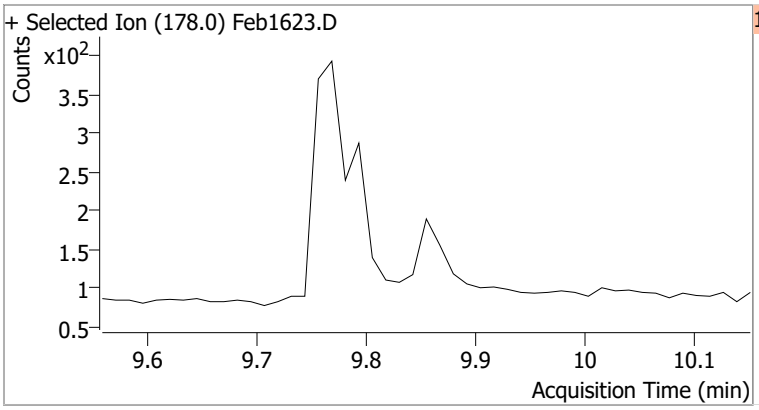


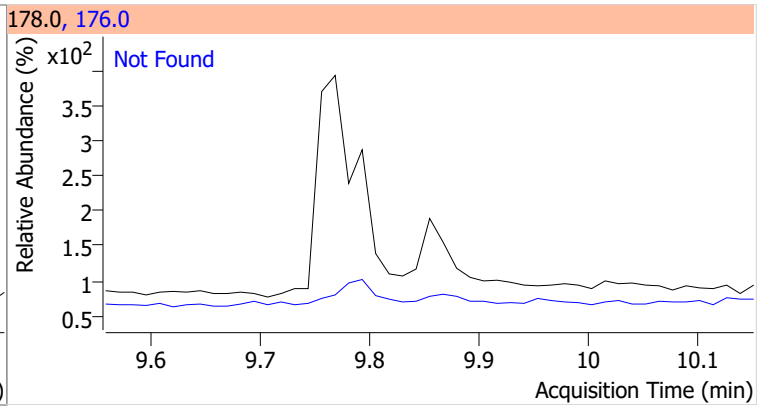
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.1



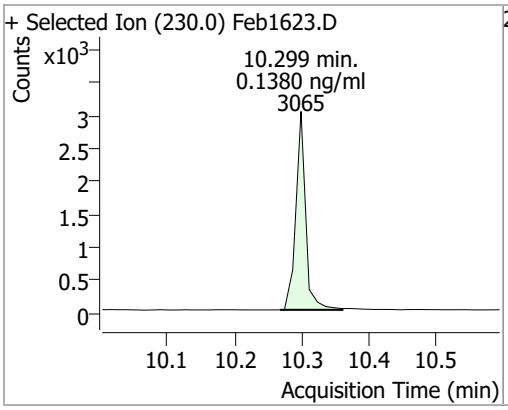


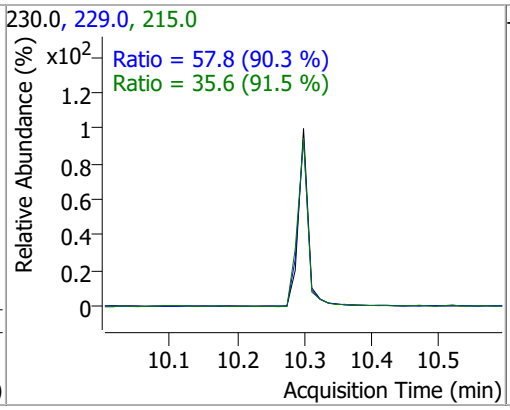
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.85	176.0	17.1

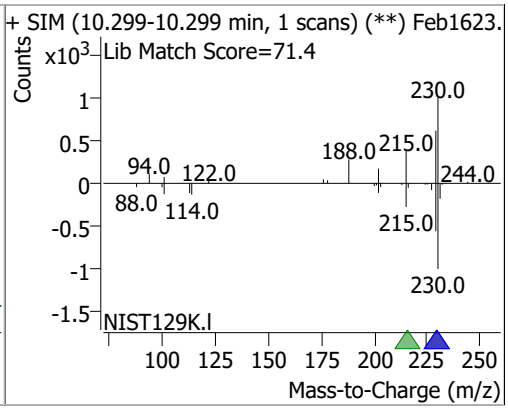




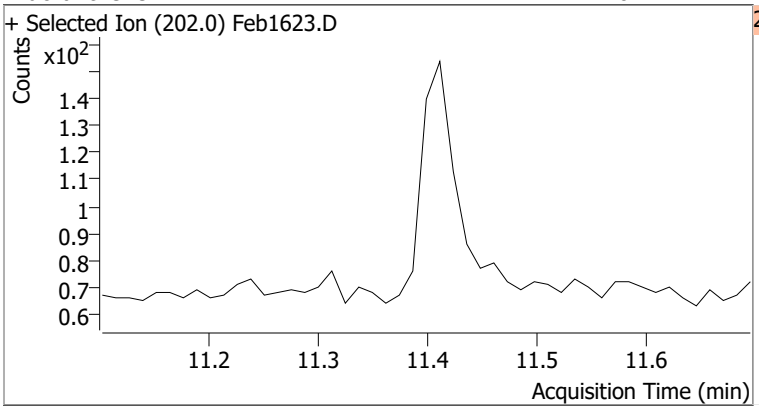
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	0.1380	10.30	0.00	3065	229.0	57.8	44.8	83.1
					215.0	35.6	27.3	50.6

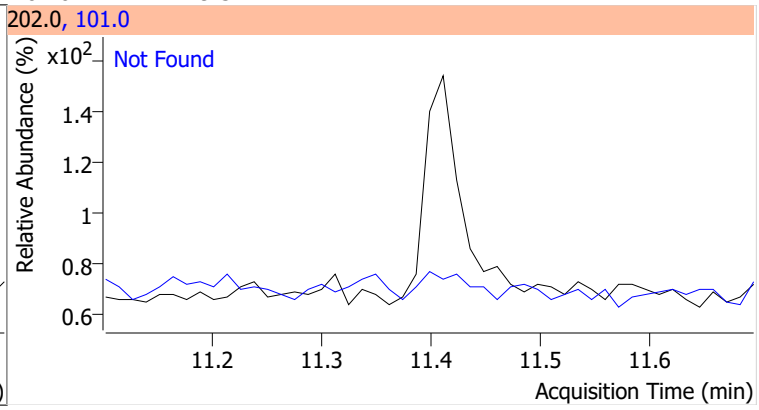




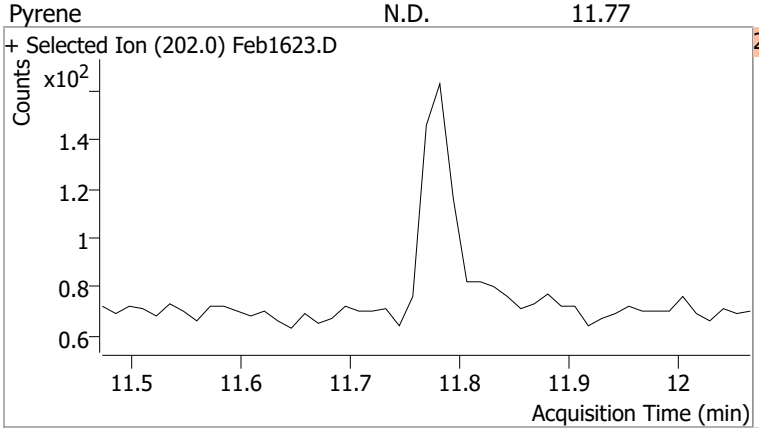


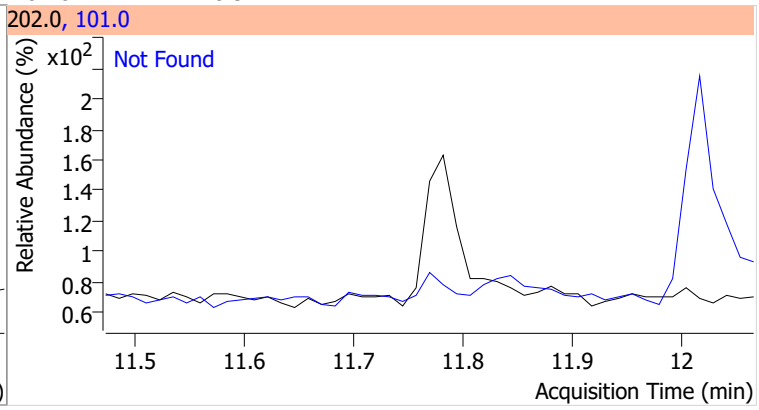
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.40	101.0	9.3



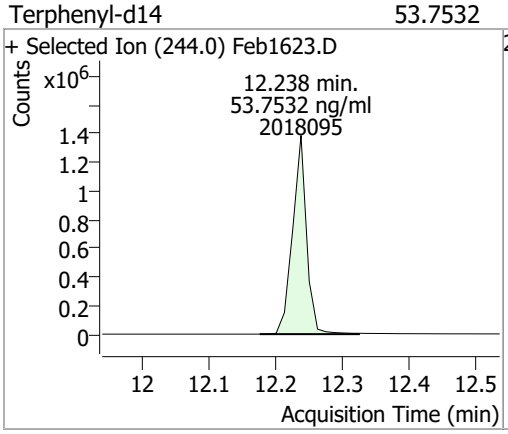


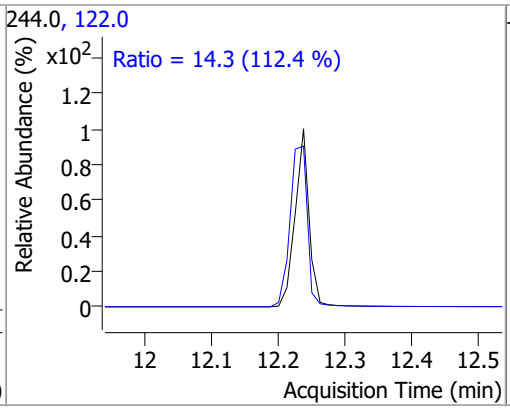
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.77	101.0	10.9

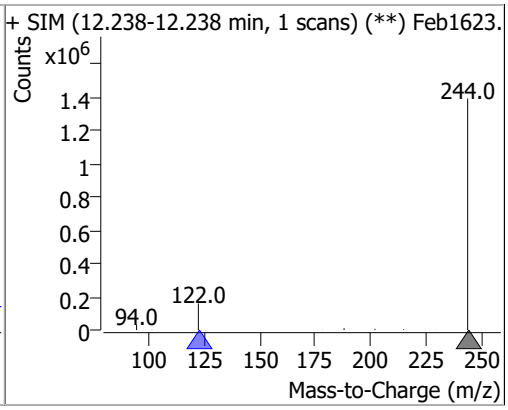




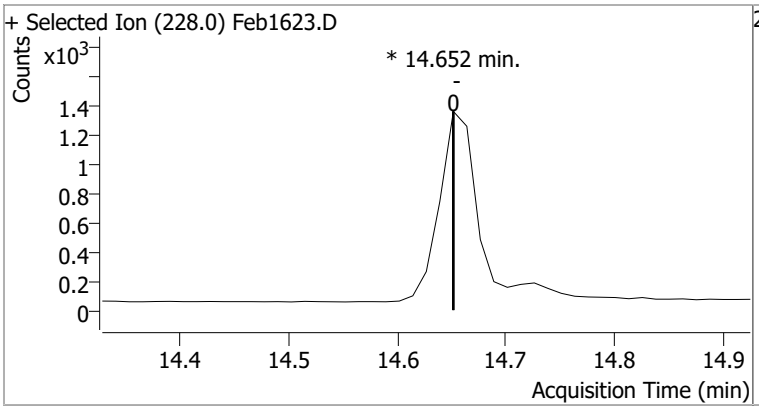
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	53.7532	12.24	0.00	2018095	122.0	14.3	8.9	16.5

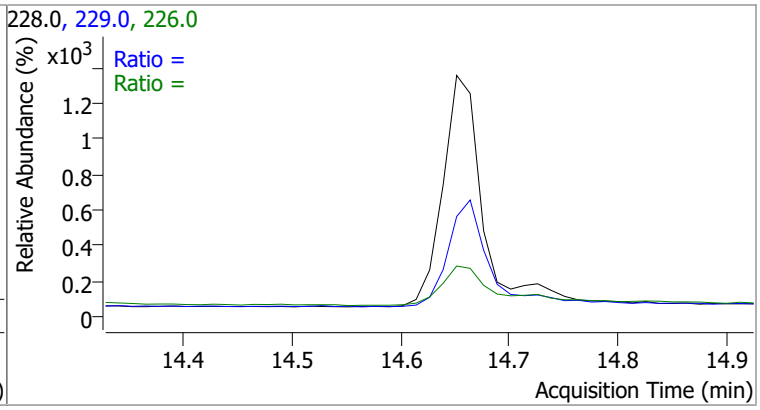




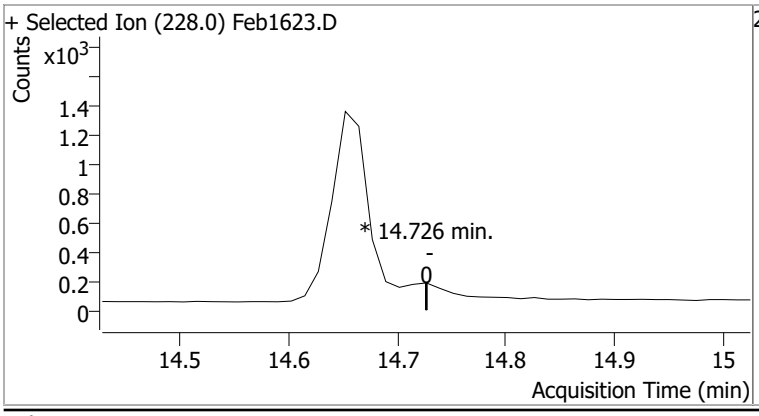


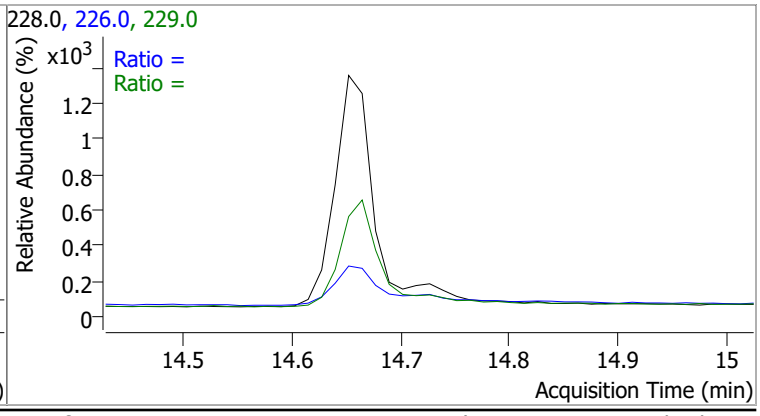
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.0	33.4
					229.0		16.5	30.7



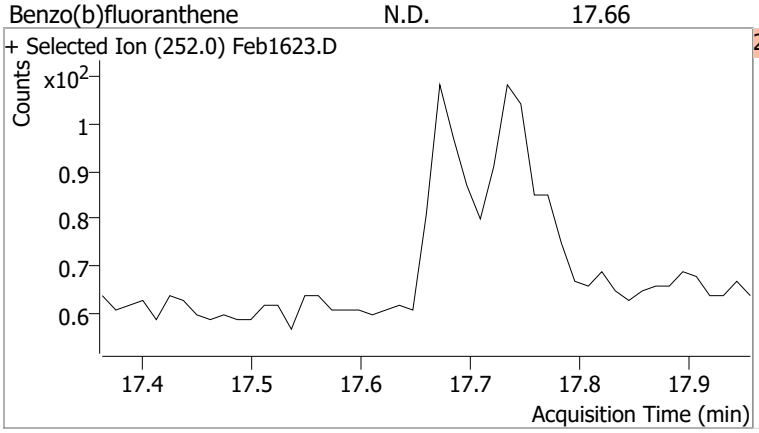


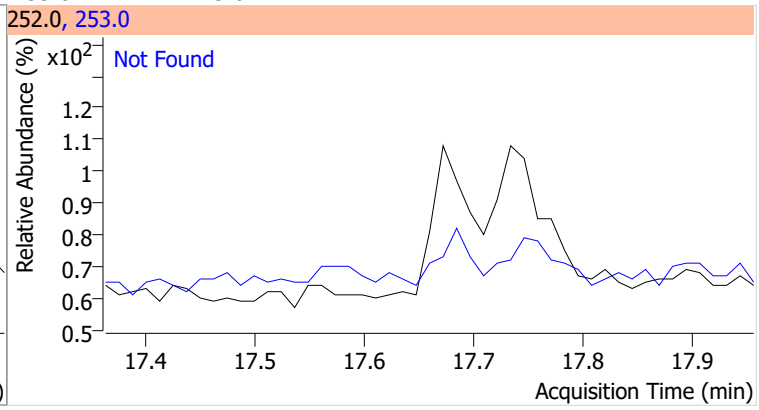
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		20.2	37.5
					229.0		15.5	28.8



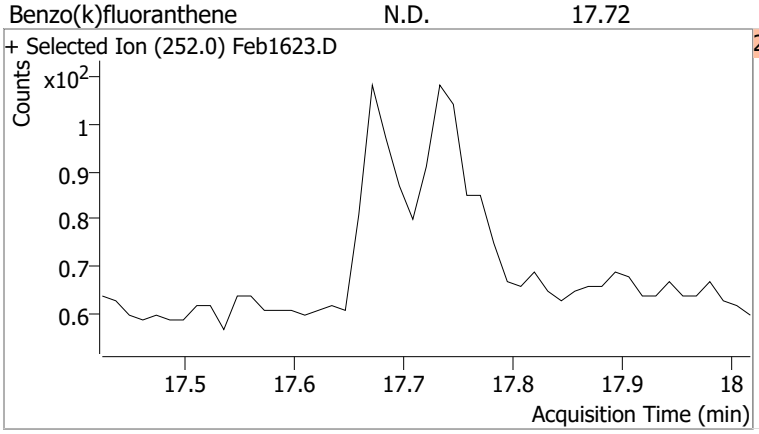


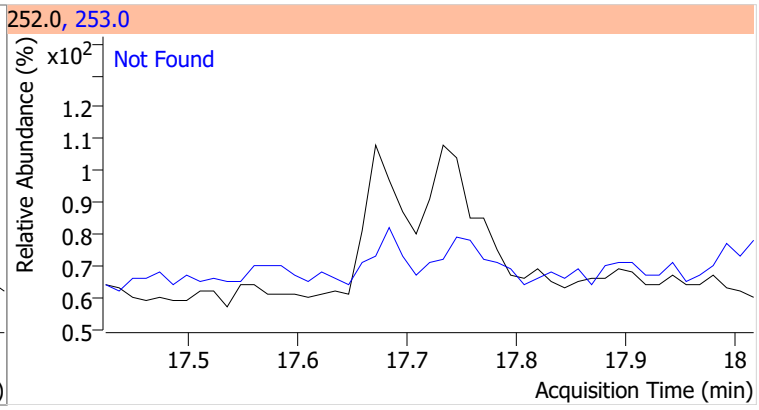
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.66	253.0	23.0



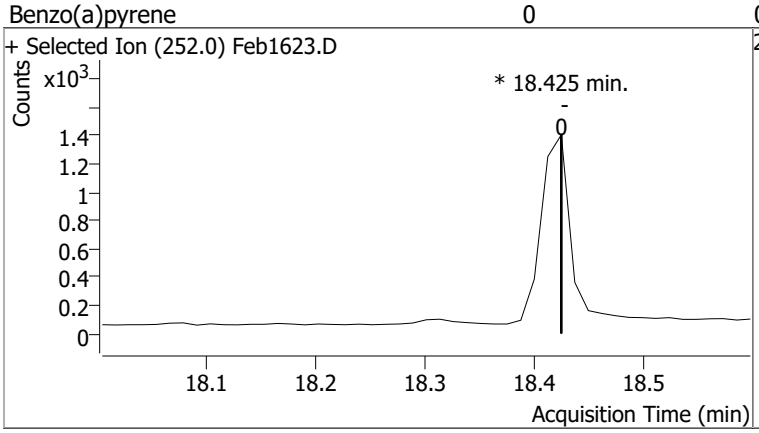


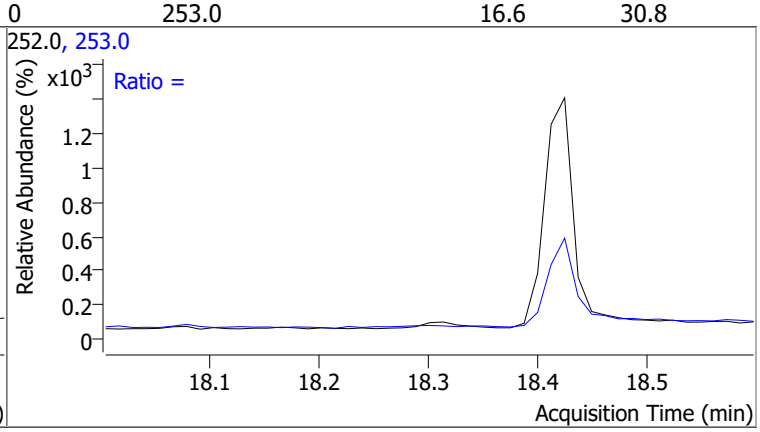
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.72	253.0	21.7



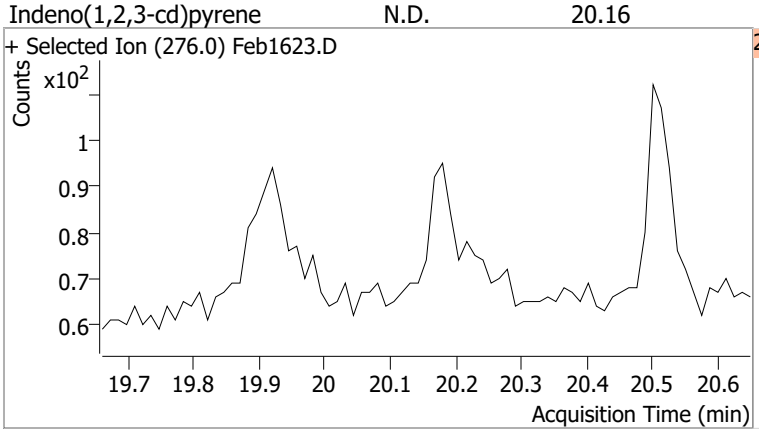


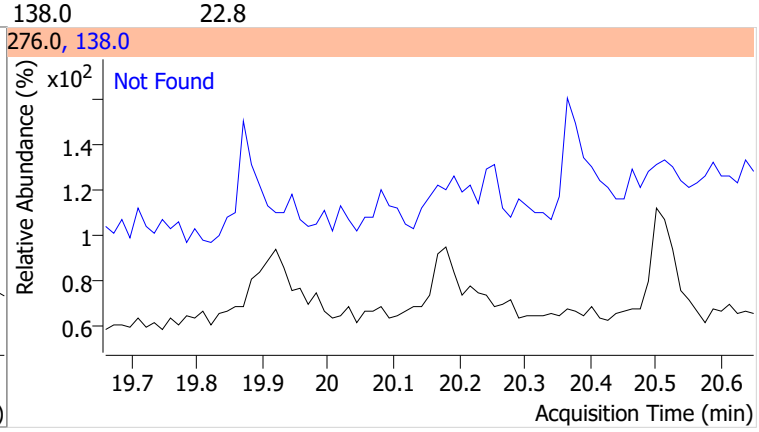
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.6	30.8



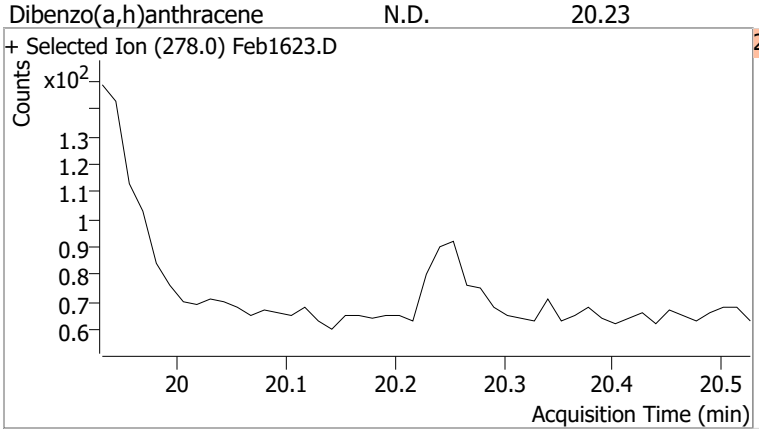


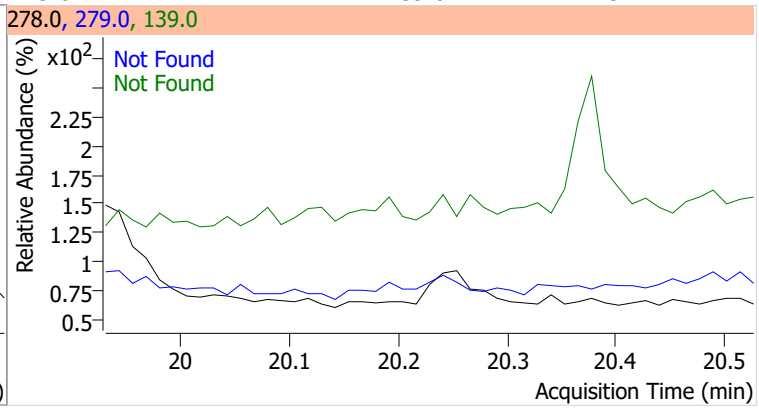
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.16	138.0	22.8



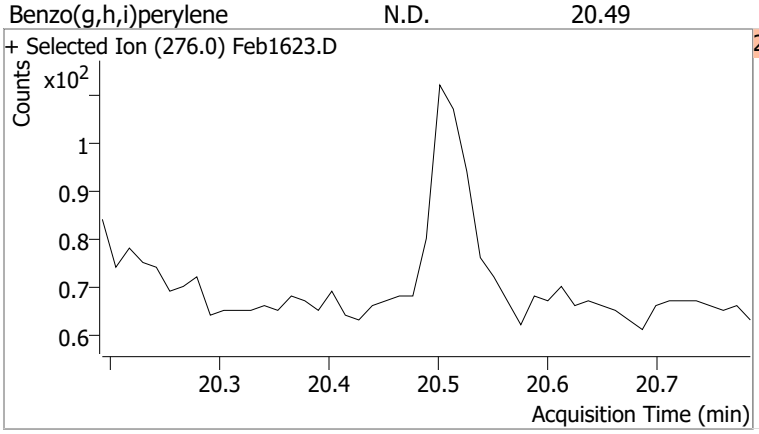


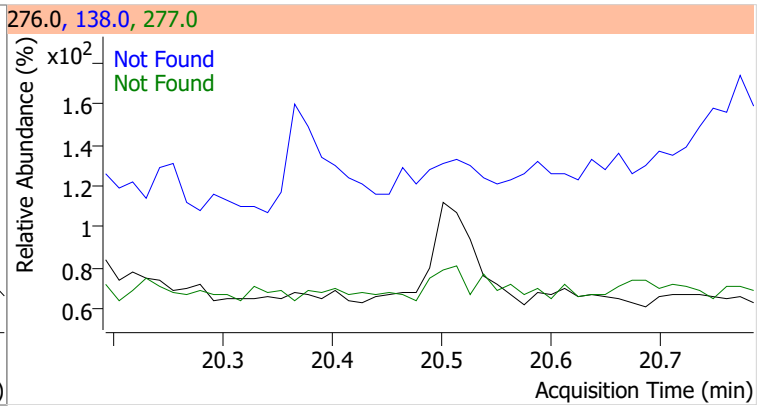
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.7	139.0	17.3





Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.6	138.0	23.4

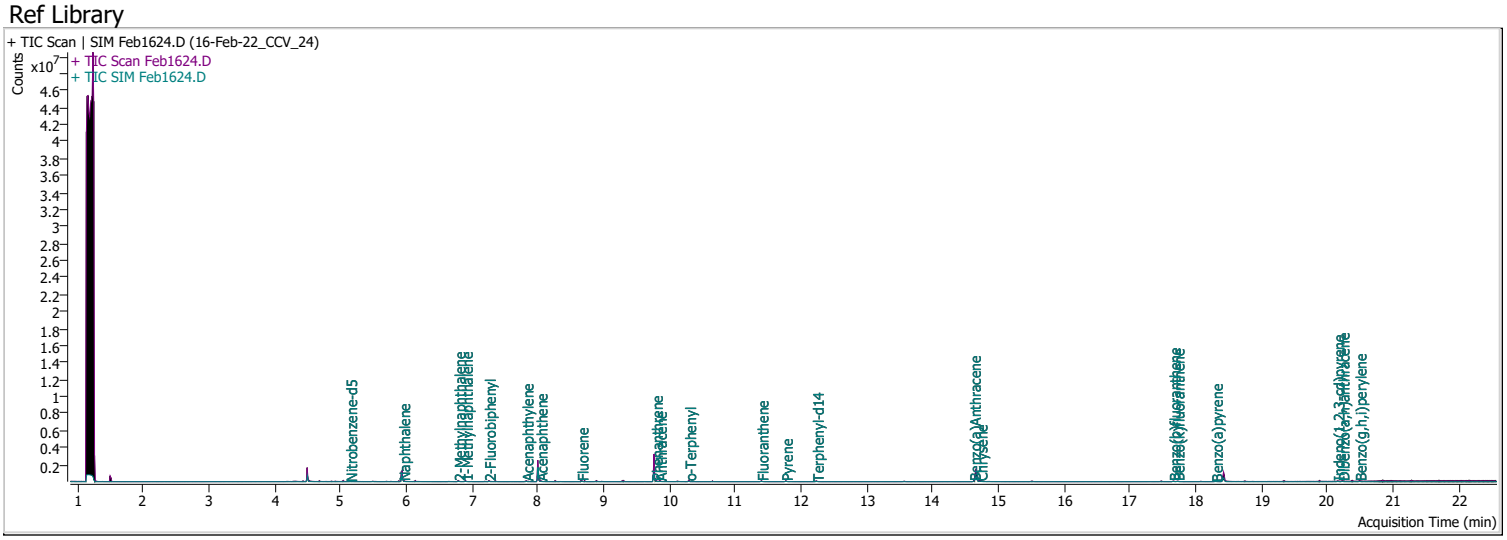




Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

Data File	Feb1624.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/17/2022 12:56:18 AM
Sample Name	16-Feb-22_CCV_24	Instrument	GCMS
Vial	4	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021622 bna SIM 1.batch.bin	Last Calib Update	2/17/2022 8:48:03 AM
Ref Library			

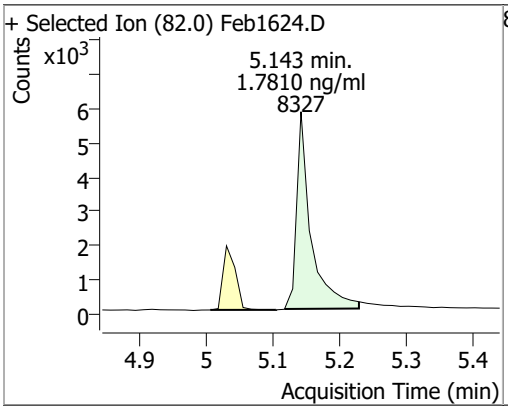


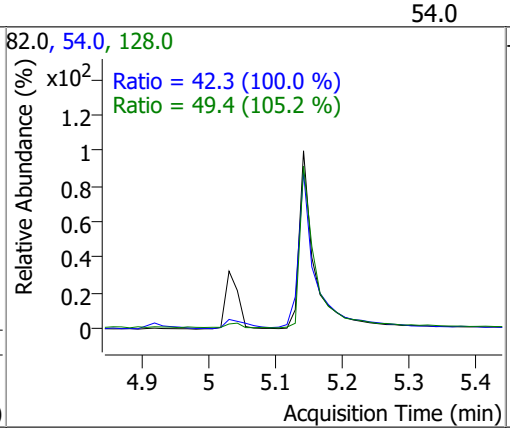
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.497	152.0	232359	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	914759	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.000	164.0	650902	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.756	188.0	1137407	40.0000	ng/ml		-0.013
M Chrysene-d12	14.664	240.0	893400	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	551462	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	8327	1.7810	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 35.62%			
S 2-Fluorobiphenyl	7.252	172.0	35729	2.0840	ng/ml		-0.013
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 41.68%			
S o-Terphenyl	10.299	230.0	29953	1.9468	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 38.94%		*	
S Terphenyl-d14	12.238	244.0	35337	2.0083	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 40.17%			
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	45020	2.0374	ng/ml		100
T 2-Methylnaphthalene	6.790	141.0	28810	2.0296	ng/ml		100
T 1-Methylnaphthalene	6.902	141.0	28454	1.8201	ng/ml		95
T Acenaphthylene	7.826	152.0	43163	2.0548	ng/ml		95
T Acenaphthene	8.038	154.0	31282	1.9613	ng/ml		98
T Fluorene	8.661	166.0	39246	2.0948	ng/ml		96
T Phenanthrene	9.793	178.0	55056	2.0804	ng/ml		99
T Anthracene	9.854	178.0	46828	1.9428	ng/ml		99
T Fluoranthene	11.398	202.0	53191	2.0535	ng/ml		97
T Pyrene	11.769	202.0	58251	2.0546	ng/ml		96
T Benzo(a)Anthracene	14.627	228.0	43406	2.0311	ng/ml		98
T Chrysene	14.726	228.0	54965	2.0171	ng/ml		96
T Benzo(b)fluoranthene	17.659	252.0	35009	2.0734	ng/ml		100

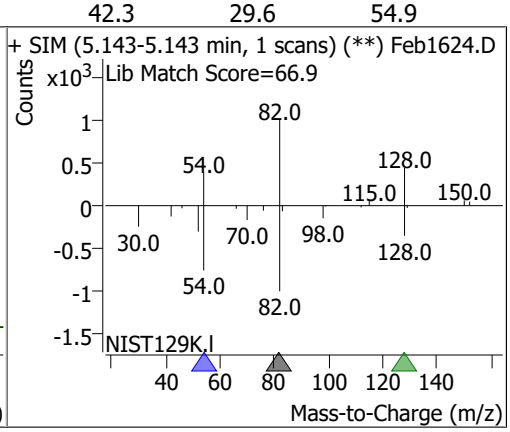
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.721	252.0	44132	2.1581	ng/ml	94
T Benzo(a)pyrene	18.302	252.0	30865	2.1073	ng/ml	100
T Indeno(1,2,3-cd)pyrene	20.155	276.0	26646	2.1188	ng/ml	97
T Dibenzo(a,h)anthracene	20.229	278.0	29804	2.0297	ng/ml	96
T Benzo(g,h,i)perylene	20.489	276.0	35854	2.0144	ng/ml	95

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

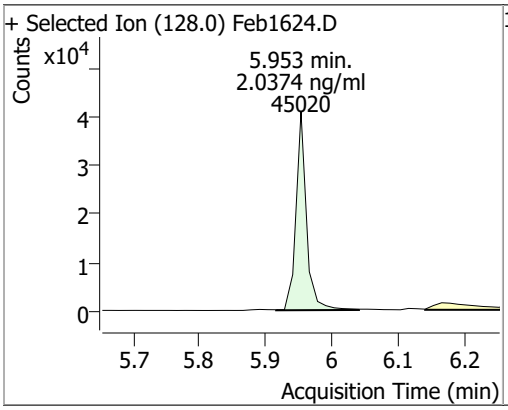
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	1.7810	5.14	0.00	8327	128.0	49.4	32.9	61.0
					54.0	42.3	29.6	54.9

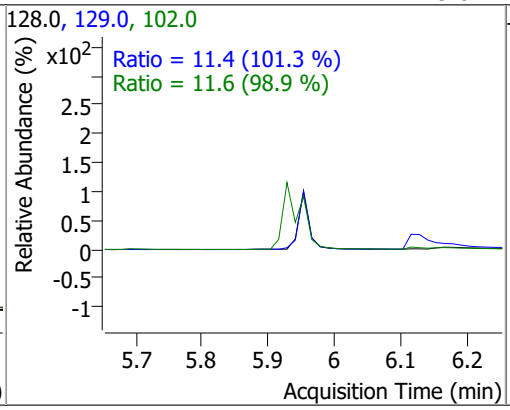


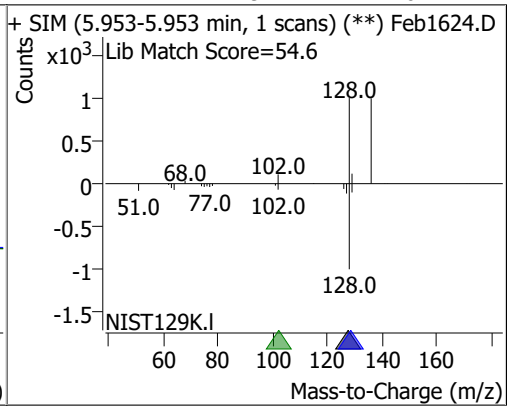




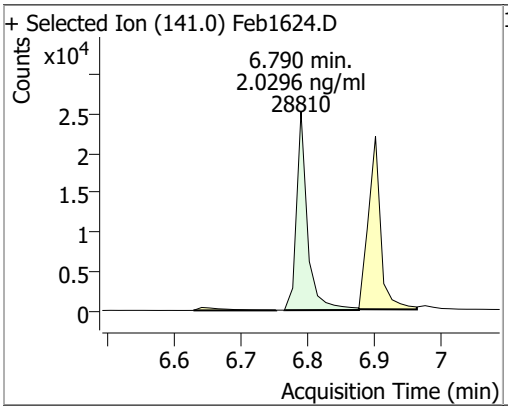
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	2.0374	5.95	0.00	45020	102.0	11.6	0.0	35.2
					129.0	11.4	7.9	14.6

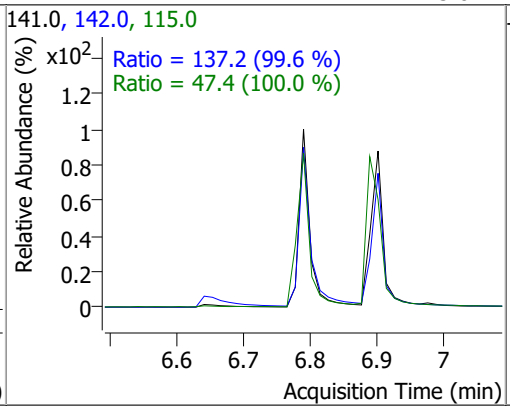


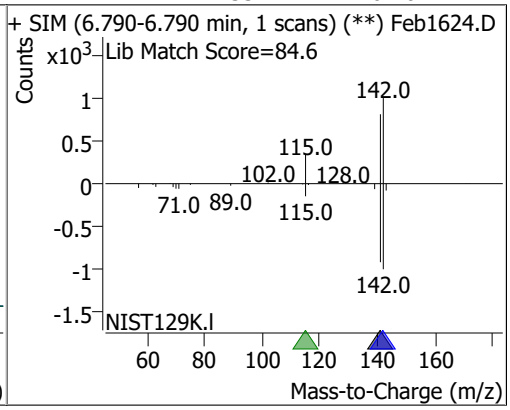




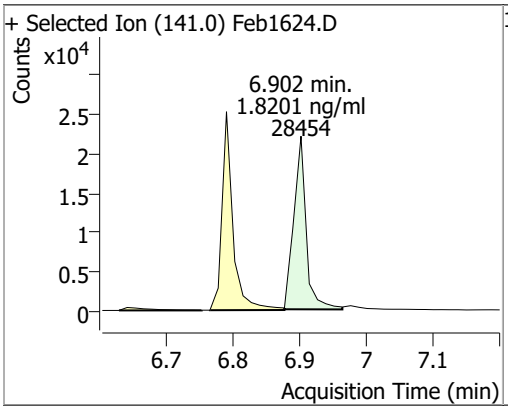
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	2.0296	6.79	0.00	28810	142.0	137.2	96.5	179.2
					115.0	47.4	33.2	61.6

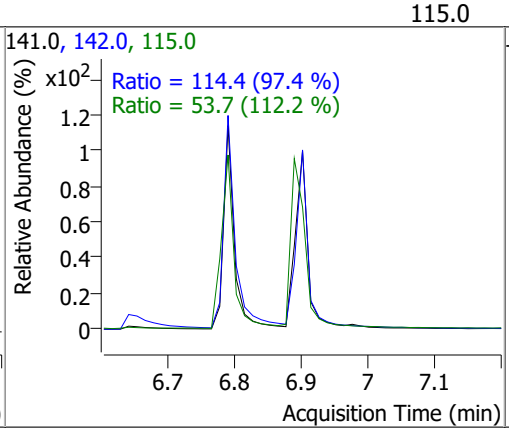


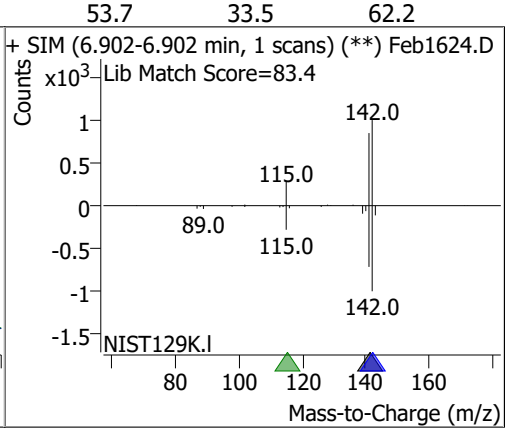




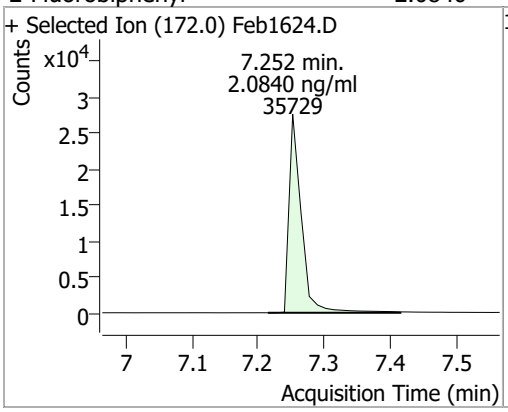
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	1.8201	6.90	0.00	28454	142.0	114.4	82.3	152.8
					115.0	53.7	33.5	62.2

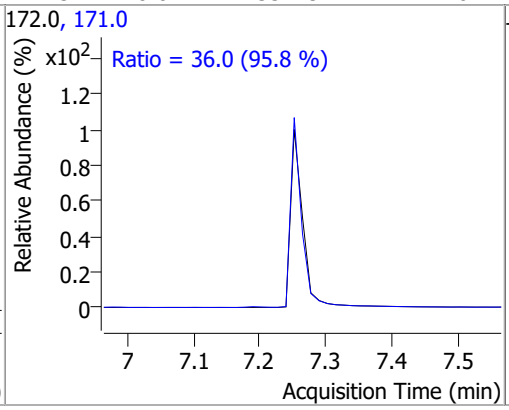


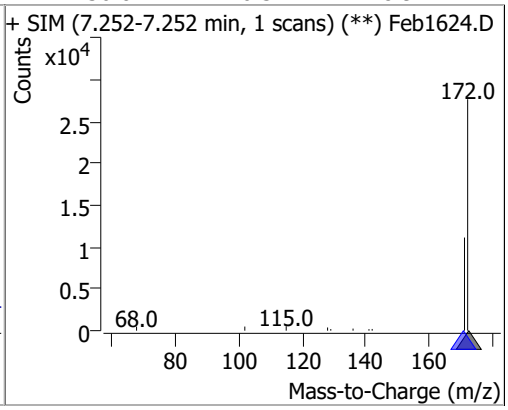




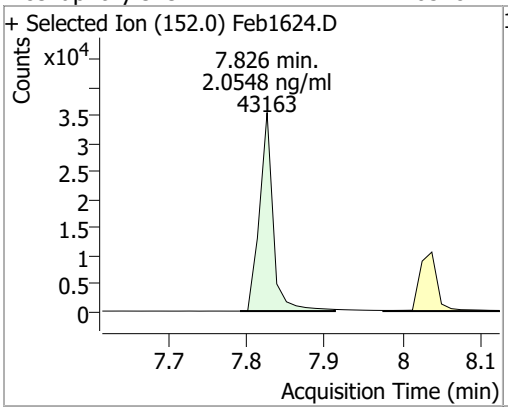
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	2.0840	7.25	-0.01	35729	171.0	36.0	26.3	48.9

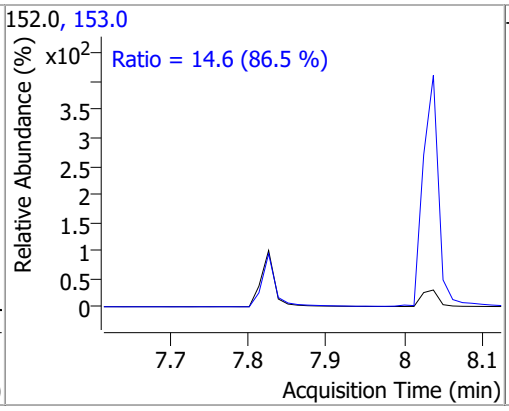


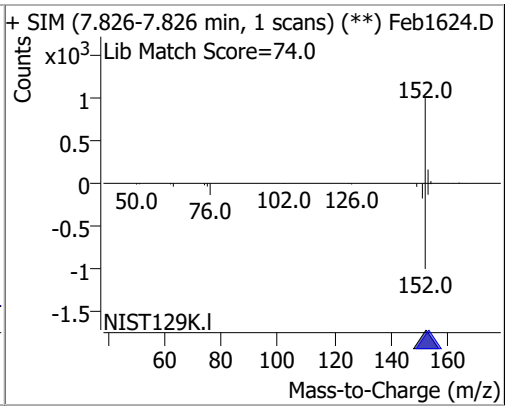




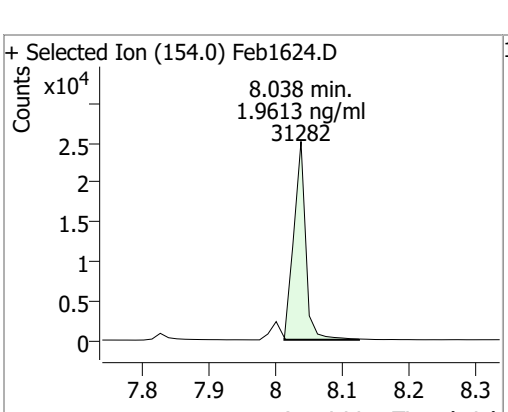
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	2.0548	7.83	0.00	43163	153.0	14.6	11.8	22.0

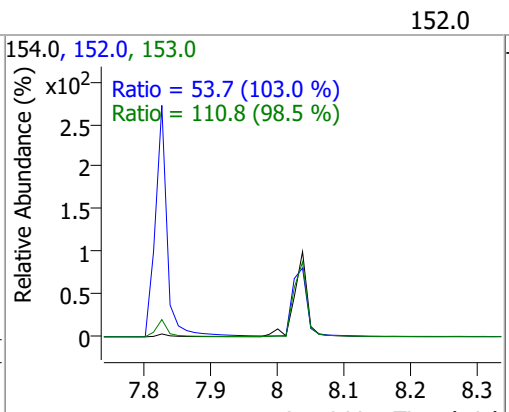


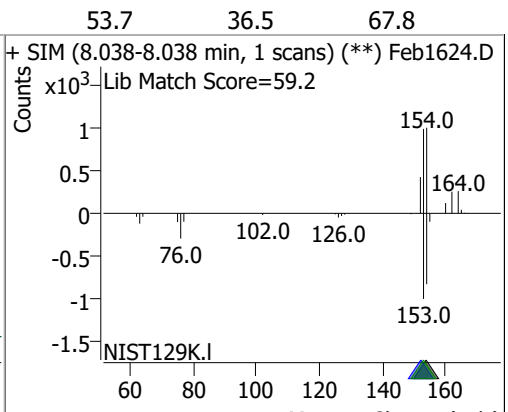




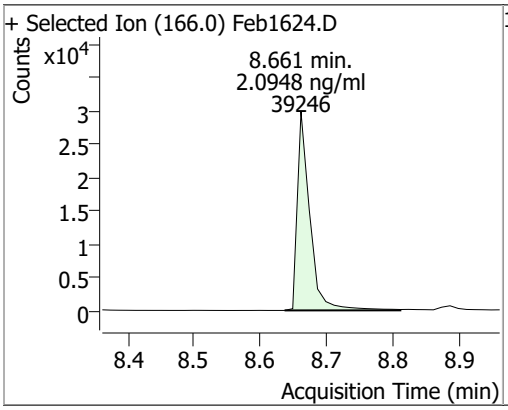
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	1.9613	8.04	0.00	31282	153.0	110.8	78.7	146.2
					152.0	53.7	36.5	67.8

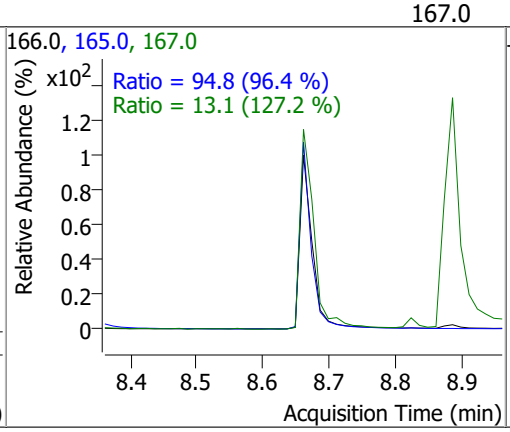


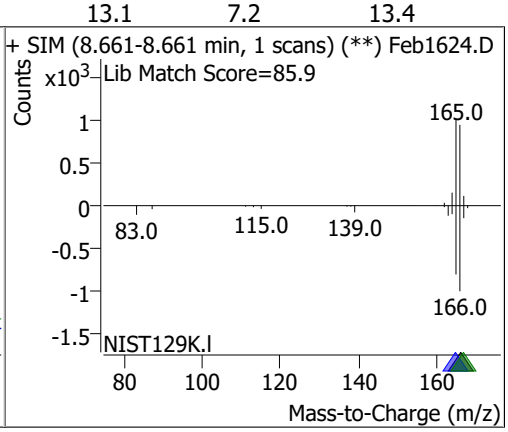




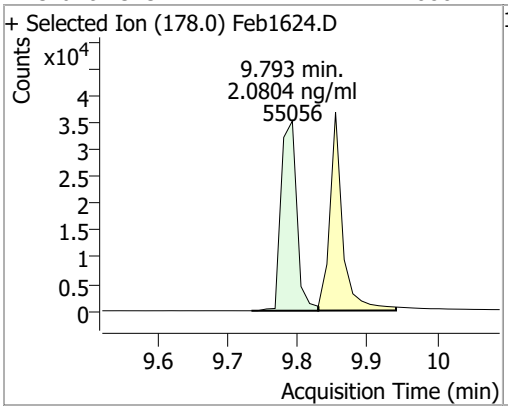
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	2.0948	8.66	0.00	39246	165.0	94.8	68.8	127.8
					167.0	13.1	7.2	13.4

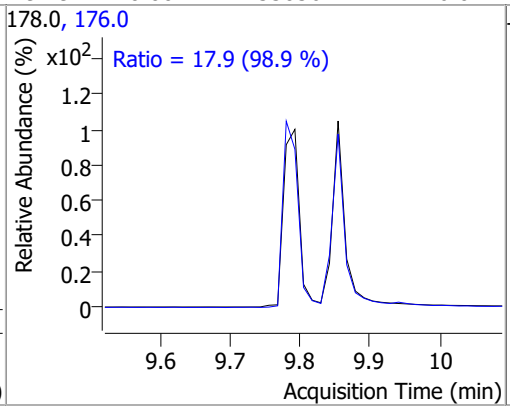


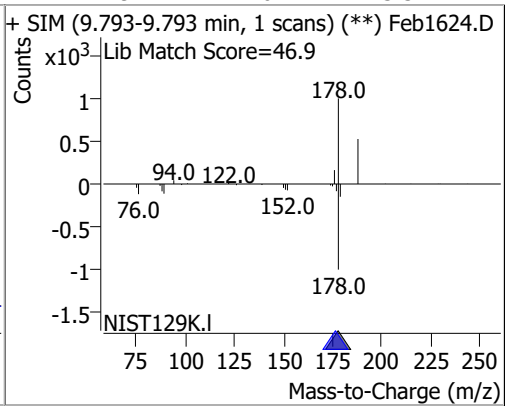




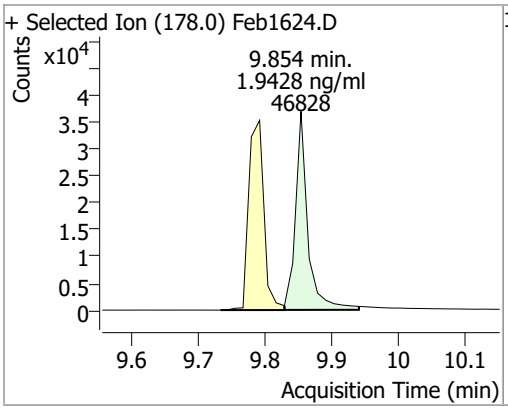
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	2.0804	9.79	0.00	55056	176.0	17.9	12.6	23.5

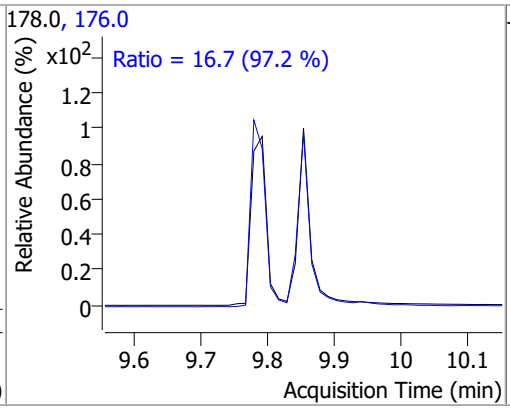


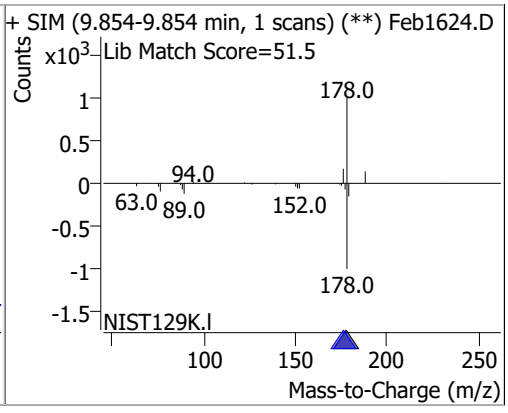




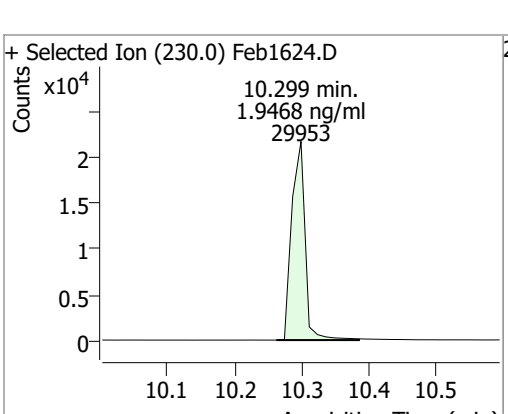
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	1.9428	9.85	0.00	46828	176.0	16.7	12.0	22.3

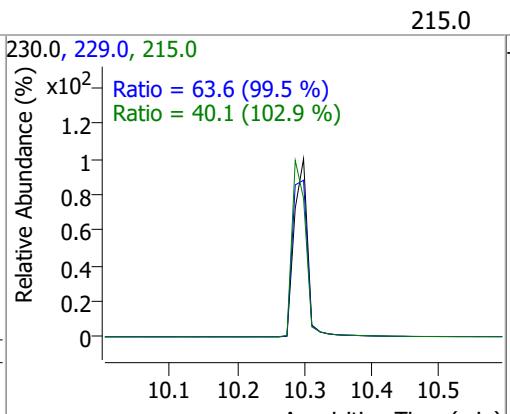


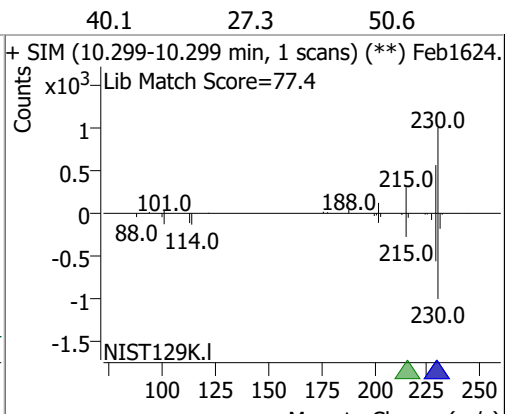




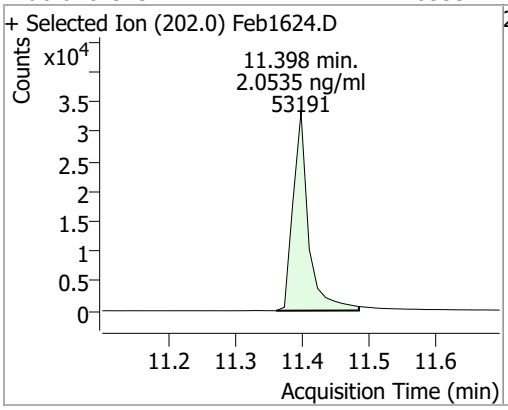
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	1.9468	10.30	0.00	29953	229.0	63.6	44.8	83.1
					215.0	40.1	27.3	50.6

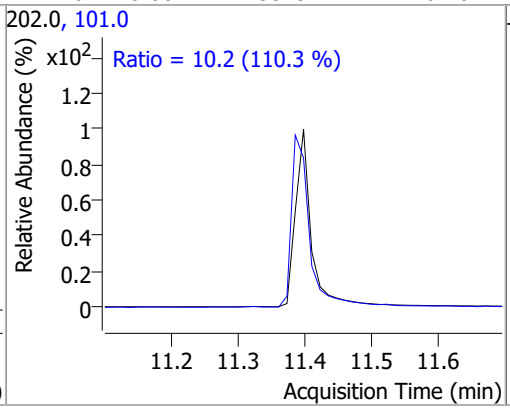


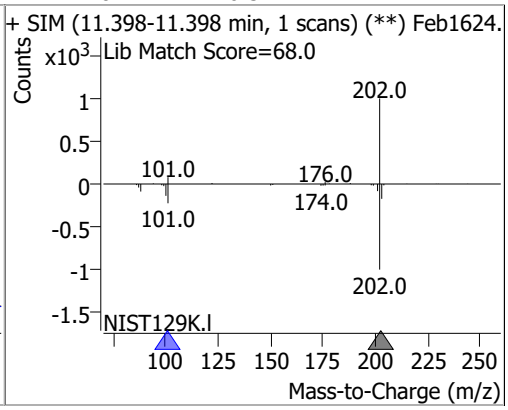




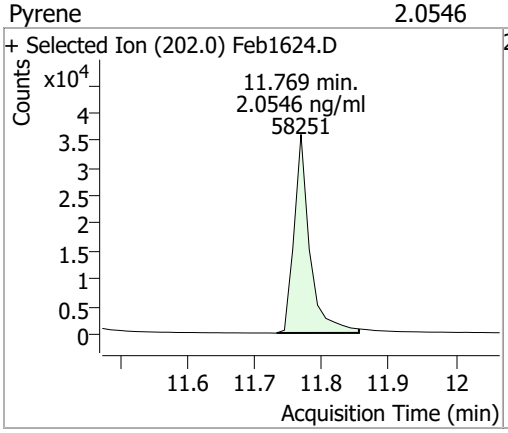
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	2.0535	11.40	0.00	53191	101.0	10.2	6.5	12.1

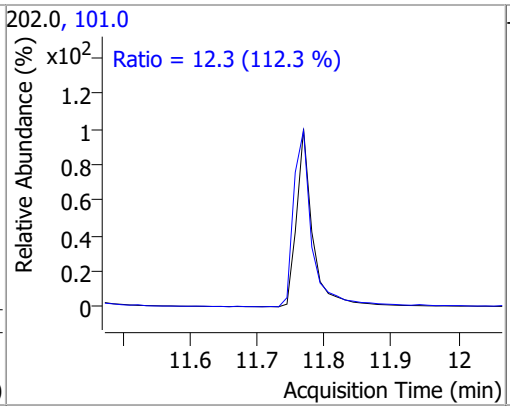


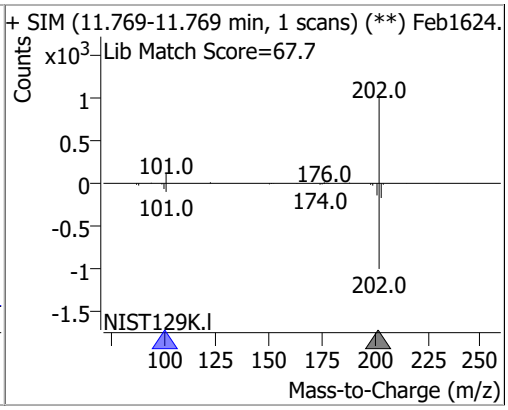




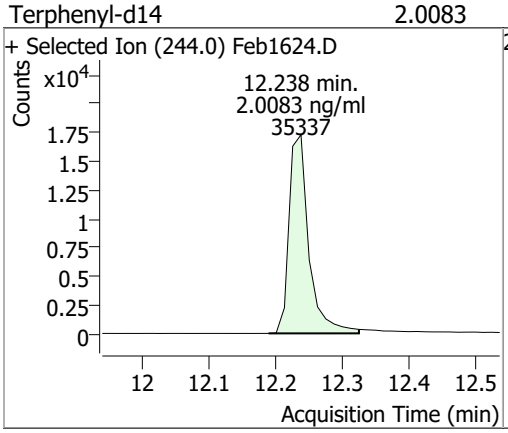
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	2.0546	11.77	0.00	58251	101.0	12.3	7.6	14.2

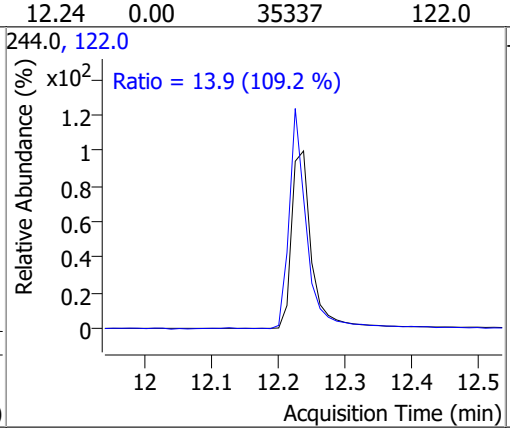


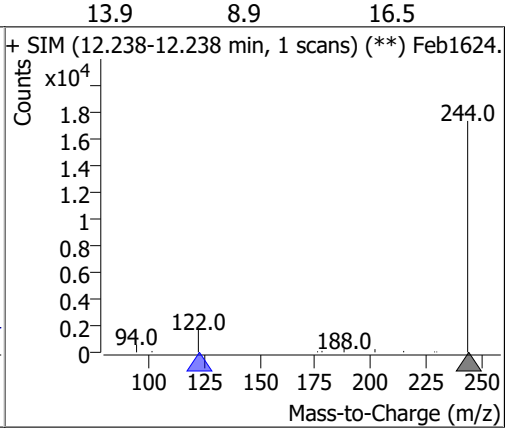




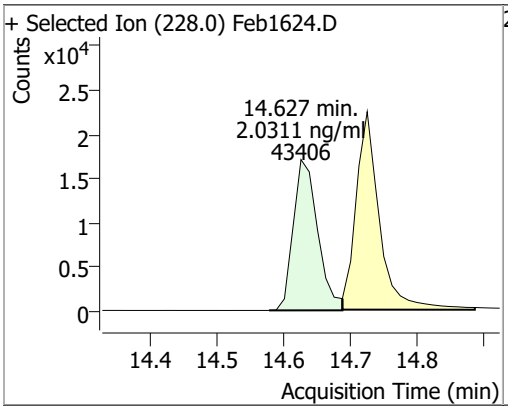
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	2.0083	12.24	0.00	35337	122.0	13.9	8.9	16.5

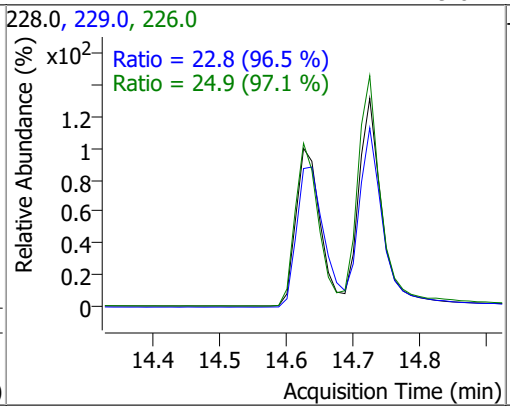


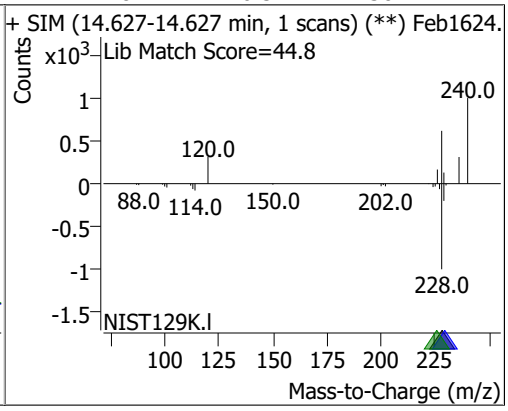




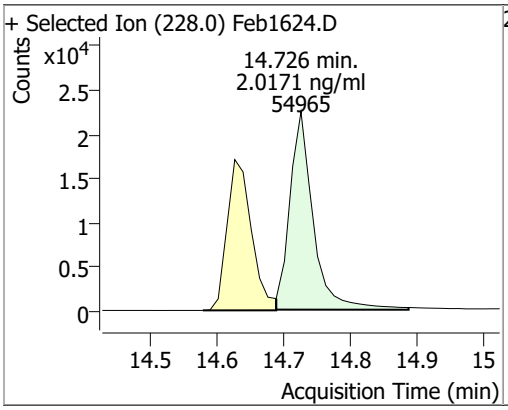
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	2.0311	14.63	0.00	43406	226.0	24.9	18.0	33.4
					229.0	22.8	16.5	30.7

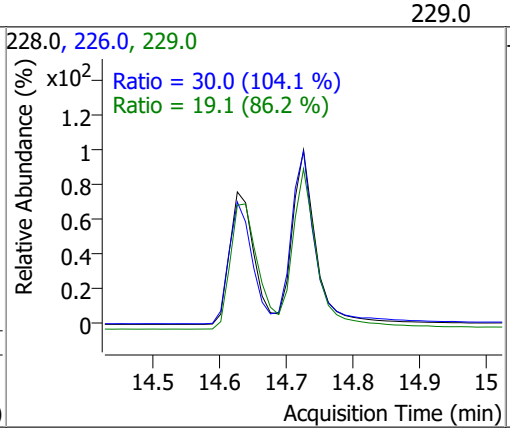


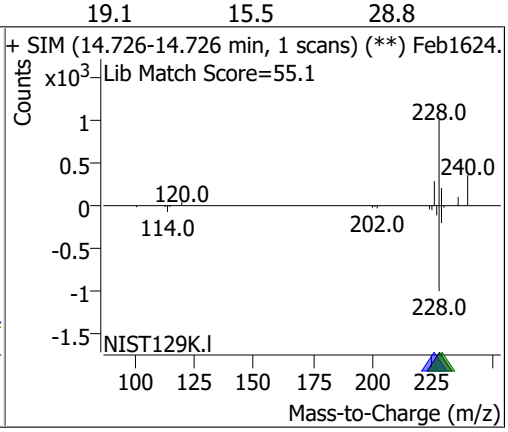




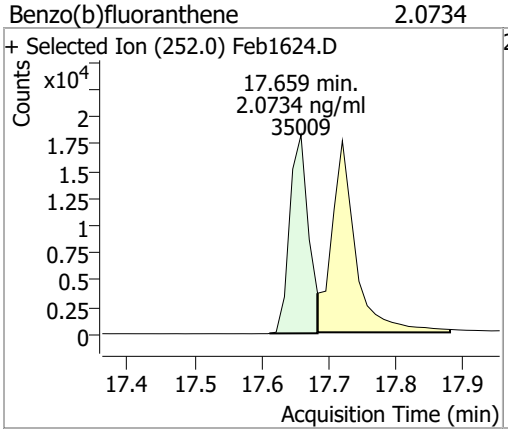
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	2.0171	14.73	0.00	54965	226.0	30.0	20.2	37.5
					229.0	19.1	15.5	28.8

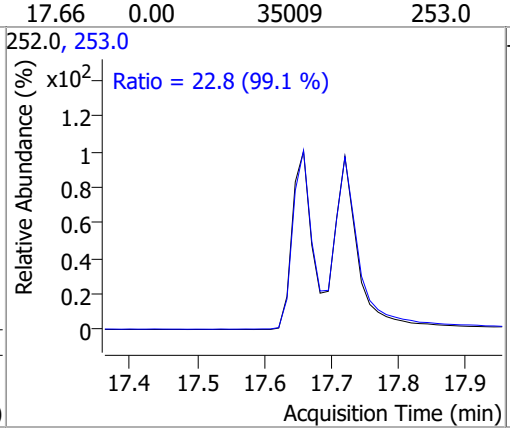


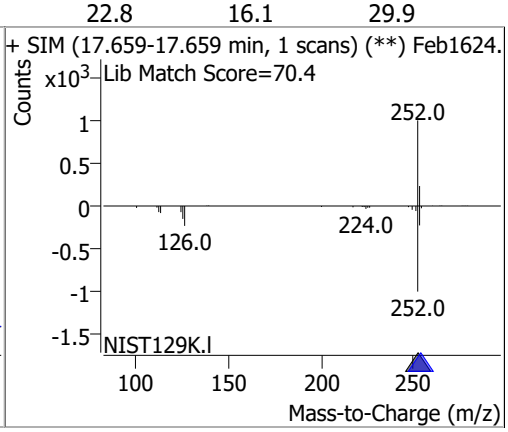




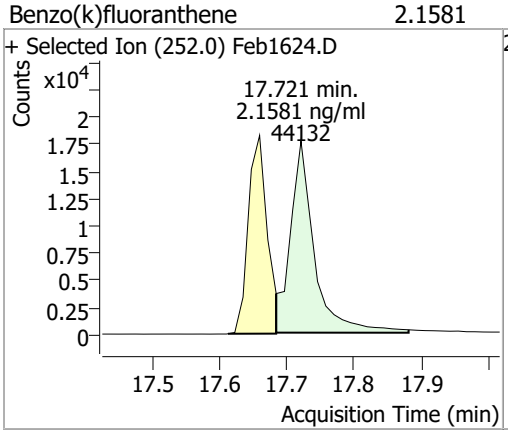
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	2.0734	17.66	0.00	35009	253.0	22.8	16.1	29.9

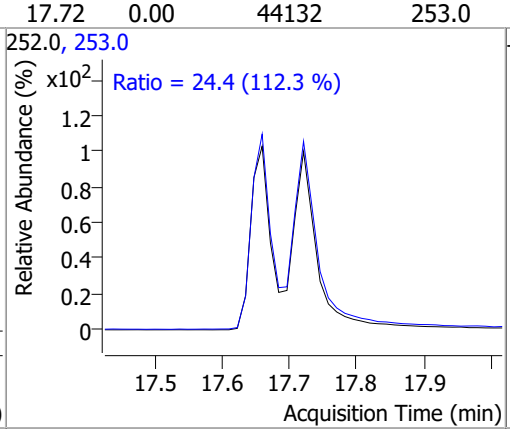


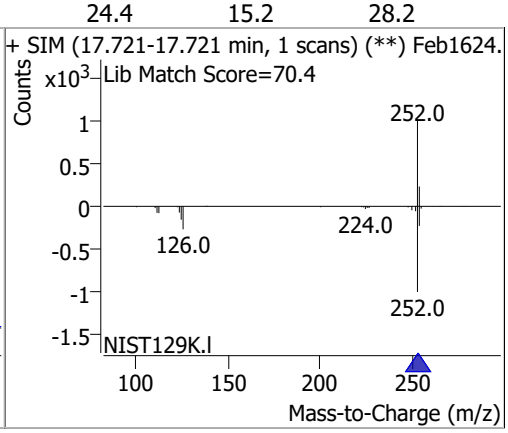




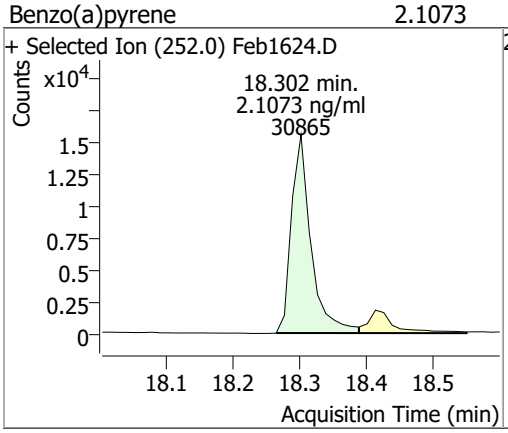
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	2.1581	17.72	0.00	44132	253.0	24.4	15.2	28.2

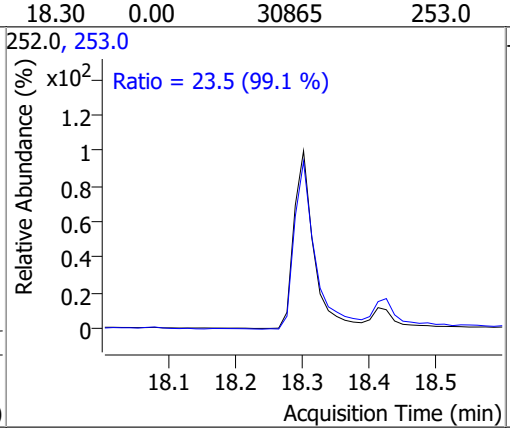


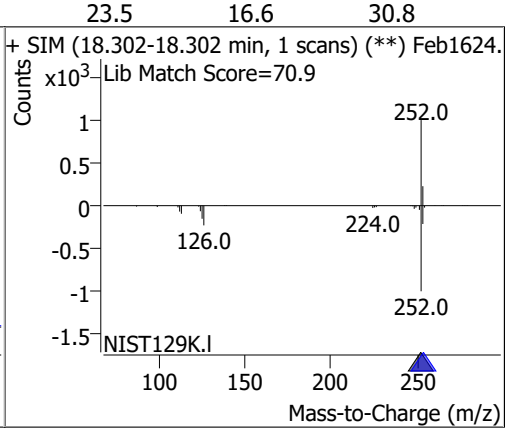




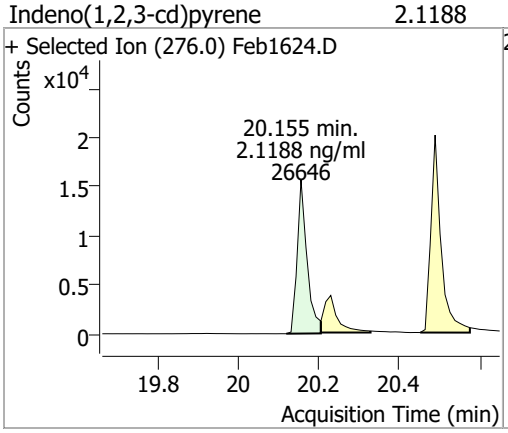
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	2.1073	18.30	0.00	30865	253.0	23.5	16.6	30.8

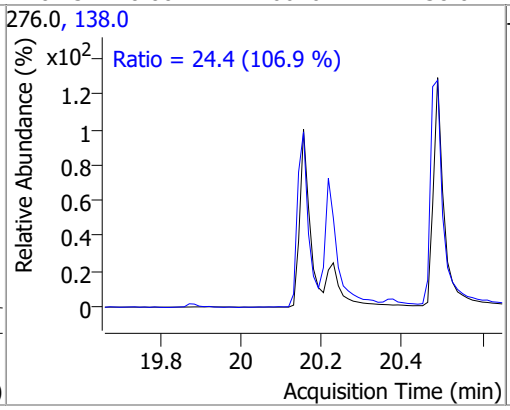


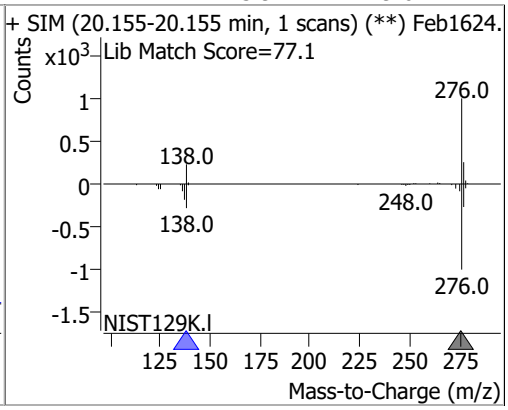




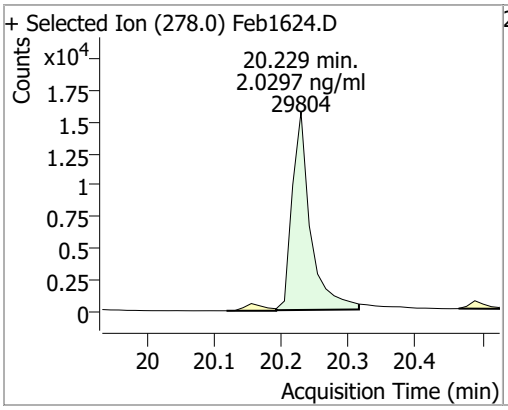
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	2.1188	20.15	0.00	26646	138.0	24.4	15.9	29.6

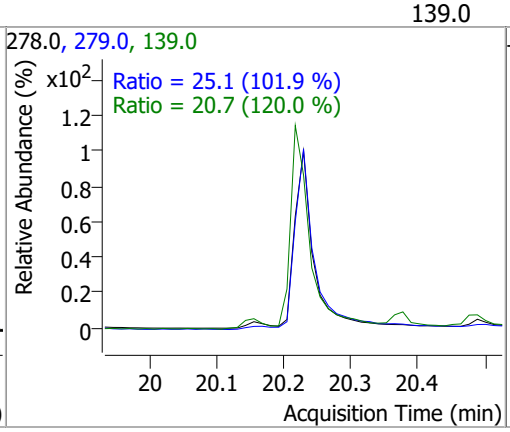


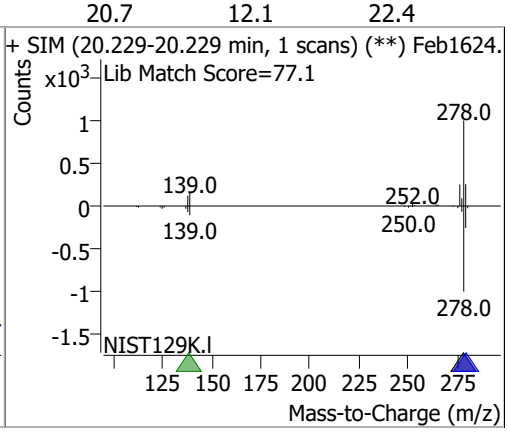




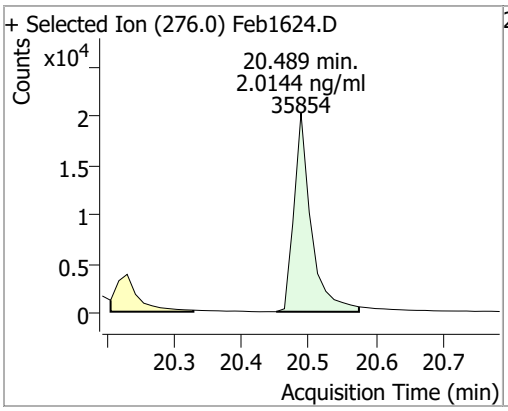
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	2.0297	20.23	0.00	29804	279.0	25.1	17.3	32.0
					139.0	20.7	12.1	22.4

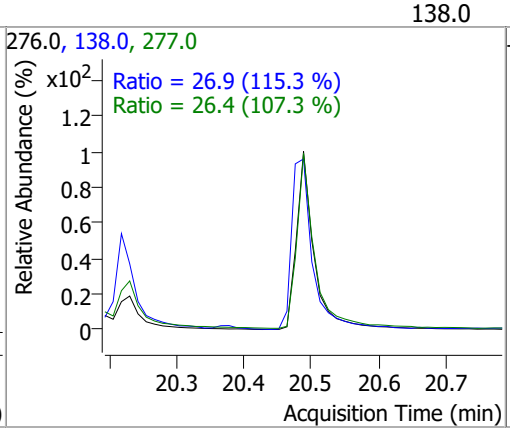


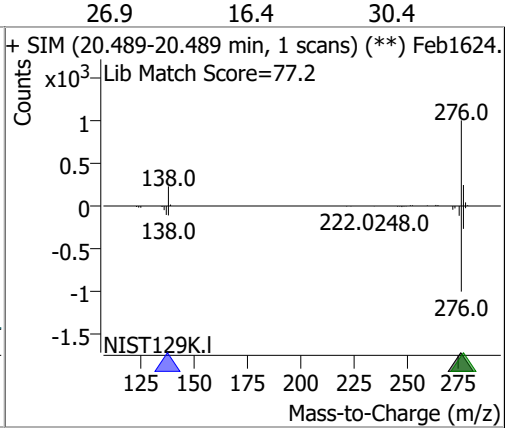




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	2.0144	20.49	0.00	35854	277.0	26.4	17.2	32.0
					138.0	26.9	16.4	30.4







Continuing Calibration Report

Agilent | Trusted Answers

Batch Name \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin
Method File
Daily CC \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIMFeb1624.D

Level name	Injection Time	Calibration Files	
7	2/16/2022 1:04:23 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D	
6	2/16/2022 1:36:47 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1603.D	
5	2/16/2022 2:09:22 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1604.D	
4	2/16/2022 2:41:46 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1605.D	
3	2/16/2022 3:14:11 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1606.D	
2	2/16/2022 3:46:33 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1607.D	
1	2/16/2022 4:18:59 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1608.D	
CCV	2/17/2022 12:56:18 AM	\\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1624.D	<======

ISTD Compound:	Avg Resp	Mid Resp	CC Resp	Area%	A/M
1,4-Dichlorobenzene-d4	222906	236270	236270	100.00	M
Naphthalene-d8	978422	1037742	1037742	100.00	M
Acenaphthene-d10	698201	695955	695955	100.00	M
Phenanthrene-d10	1256639	1235766	1235766	100.00	M
Chrysene-d12	1009471	1028004	1028004	100.00	M
Perylene-d12	640612	661332	661332	100.00	M

Target Compound	AvgRF/R2	CC RF	Exp. Conc	Calc. Conc	%Dev	Area%	Curve Fit
1,4-Dichlorobenzene-d4	----------ISTD----------						
Nitrobenzene-d5	0.9993	1.0995	10.00	9.97	0.27	100.00	Quadratic
Naphthalene-d8	----------ISTD----------						
Naphthalene	0.9998	0.9364	10.00	10.04	-0.39	100.00	Quadratic
2-Methylnaphthalene	0.6207	0.6446	10.00	10.38	3.85	100.00	Avg RF
1-Methylnaphthalene	0.6836	0.6748	10.00	9.87	-1.30	100.00	Avg RF
Acenaphthene-d10	----------ISTD----------						
2-Fluorobiphenyl	0.9998	1.3310	10.00	10.01	-0.12	100.00	Quadratic
Acenaphthylene	0.9941	1.5149	10.00	10.43	-4.34	100.00	Quadratic
Acenaphthene	0.9990	1.0050	10.00	10.22	-2.25	100.00	Quadratic
Fluorene	0.9997	1.3226	10.00	9.99	0.10	100.00	Quadratic
Phenanthrene-d10	----------ISTD----------						
Phenanthrene	0.9996	1.0064	10.00	10.05	-0.47	100.00	Quadratic
Anthracene	0.9998	0.9013	10.00	10.03	-0.29	100.00	Quadratic
o-Terphenyl	0.9992	0.5607	10.00	10.07	-0.67	100.00	Quadratic
Fluoranthene	0.9995	1.0607	10.00	10.05	-0.48	100.00	Quadratic
Chrysene-d12	----------ISTD----------						
Pyrene	0.9998	1.3632	10.00	10.02	-0.24	100.00	Quadratic
Terphenyl-d14	0.9999	0.8982	10.00	10.01	-0.13	100.00	Quadratic
Benzo(a)Anthracene	0.9999	1.0279	10.00	10.02	-0.20	100.00	Quadratic
Chrysene	0.9998	1.2719	10.00	10.02	-0.25	100.00	Quadratic
Perylene-d12	----------ISTD----------						
Benzo(b)fluoranthene	0.9998	1.5019	10.00	10.00	-0.02	100.00	Quadratic
Benzo(k)fluoranthene	0.9998	1.6106	10.00	9.96	0.35	100.00	Quadratic
Benzo(a)pyrene	0.9997	1.3391	10.00	10.04	-0.36	100.00	Quadratic
Indeno(1,2,3-cd)pyrene	0.9999	1.1411	10.00	10.00	-0.03	100.00	Quadratic
Dibenzo(a,h)anthracene	0.9994	1.3268	10.00	10.05	-0.52	100.00	Quadratic
Benzo(g,h,i)perylene	0.9997	1.4897	10.00	10.03	-0.28	100.00	Quadratic

A -- against Average; M -- against Mid Point; P -- against Previous CC in the Method;

Batch name and path: \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin
Quant batch version: 10.0
Quant reporting version: 10.0

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdNewBatchTable	BL2000\jheine	2/16/2022 11:51:03 AM	Create new batch \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\021622 bna SIM 1.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\jheine	2/16/2022 11:51:08 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1601.D			✓	
CmdSetSampleAttribute	BL2000\jheine	2/16/2022 11:51:11 AM	Set SampleType = TuneCheck for sample Feb1601.D; previous value = Sample			✓	
CmdRemoveSamples	BL2000\jheine	2/16/2022 11:52:24 AM	Remove 1 sample(s): Remove TuneCheck sample 16-Feb-22_TUNE_1, data file Feb1601.D ;			✓	
CmdImportSamplesFromWorklist	BL2000\jheine	2/16/2022 1:21:57 PM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1601.D			✓	
CmdSetSampleAttribute	BL2000\jheine	2/16/2022 1:22:01 PM	Set SampleType = TuneCheck for sample Feb1601.D; previous value = Sample			✓	
CmdImportSamplesFromWorklist	BL2000\jheine	2/16/2022 1:27:37 PM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1602.D			✓	
CmdStartMethodEditing	BL2000\jheine	2/16/2022 1:27:55 PM	Start method editing			✓	
CmdImportMethodFromBatch	BL2000\jheine	2/16/2022 1:27:56 PM	Import method from batch \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\021122 bna SIM 1.batch.bin			✓	
CmdApplyMethodToAllSamples	BL2000\jheine	2/16/2022 1:28:10 PM	Apply method to all samples			✓	
CmdMethodClear	BL2000\jheine	2/16/2022 1:28:10 PM	Clear method			✓	
CmdEndMethodEditing	BL2000\jheine	2/16/2022 1:28:10 PM	End method editing			✓	
CmdSetSampleAttribute	BL2000\jheine	2/16/2022 1:28:19 PM	Set SampleType = Calibration for sample Feb1602.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/16/2022 1:28:22 PM	Set LevelName = 7 for sample Feb1602.D; previous value =			✓	
CmdQuantitate	BL2000\jheine	2/16/2022 1:28:28 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\jheine	2/16/2022 1:29:33 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdOpenBatchTable	BL2000\jheine	2/16/2022 2:18:04 PM	Open batch \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\021622 bna SIM 1.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\jheine	2/16/2022 2:18:21 PM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\Feb1603.D			✓	
CmdSetSampleAttribute	BL2000\jheine	2/16/2022 2:19:08 PM	Set SampleType = Calibration for sample Feb1603.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/16/2022 2:19:11 PM	Set LevelName = 6 for sample Feb1603.D; previous value =			✓	
CmdQuantitate	BL2000\jheine	2/16/2022 2:19:13 PM	Quantitate all compounds in sample Feb1603.D			✓	
CmdSaveBatchTable	BL2000\jheine	2/16/2022 3:53:51 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin			✓	
CmdOpenBatchTable	BL2000\jheine	2/17/2022 8:23:16 AM	Open batch \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\021622 bna SIM 1.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\jheine	2/17/2022 8:23:43 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\Feb1609.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\Feb1608.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\Feb1607.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\Feb1606.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\Feb1605.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\Feb1604.D			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:23:47 AM	Set SampleType = Calibration for sample Feb1604.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:23:50 AM	Set SampleType = Calibration for sample Feb1605.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:23:52 AM	Set SampleType = Calibration for sample Feb1606.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:23:54 AM	Set SampleType = Calibration for sample Feb1607.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:23:56 AM	Set SampleType = Calibration for sample Feb1608.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:23:59 AM	Set SampleType = QC for sample Feb1609.D; previous value = Sample			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:24:03 AM	Set LevelName = ICV for sample Feb1609.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:24:05 AM	Set LevelName = 1 for sample Feb1608.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:24:07 AM	Set LevelName = 2 for sample Feb1607.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:24:09 AM	Set LevelName = 3 for sample Feb1606.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:24:12 AM	Set LevelName = 4 for sample Feb1605.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:24:15 AM	Set LevelName = 5 for sample Feb1604.D; previous value =			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 8:24:20 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:28:12 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1604.D, from x, y = 5.941, 1137 to 6.103, 104, result = 815; previous integration is from x, y = 5.891, 99 to 6.103, 104 and previous response = 11849.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:28:14 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb1604.D to y = 104, new integration is from x, y = 5.941, 104 to 6.103, 104 and new response = 5847; previous integration is from x, y = 5.941, 1137 to 6.103, 104 and previous response = 815.			✓	
CmdUpdateRetentionTimes	BL2000\jheine	2/17/2022 8:31:21 AM	Update retention time for compound Perylene-d12; Chrysene-d12; Phenanthrene-d10; Acenaphthene-d10; Naphthalene-d8; 1,4-Dichlorobenzene-d4; o-Terphenyl; Terphenyl-d14; 2-Fluorobiphenyl; Nitrobenzene-d5; Dibenzo(a,h)anthracene; Indeno(1,2,3-cd)pyrene; Benzo(a)pyrene; Benzo(k)fluoranthene; Benzo(b)fluoranthene; Chrysene; Benzo(a)Anthracene; Pyrene; Fluoranthene; Anthracene; Phenanthrene; Fluorene; Acenaphthene; Acenaphthylene; 1-Methylnaphthalene; 2-Methylnaphthalene; Naphthalene; Benzo(g,h,i)perylene;			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 8:31:27 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdUpdateQualifierRatios	BL2000\jheine	2/17/2022 8:31:41 AM	Update qualifier ratios for compound Perylene-d12; Update qualifier ratios for compound Chrysene-d12; Update qualifier ratios for compound Phenanthrene-d10; Update qualifier ratios for compound Acenaphthene-d10; Update qualifier ratios for compound Naphthalene-d8; Update qualifier ratios for compound 1,4-Dichlorobenzene-d4; Update qualifier ratios for compound o-Terphenyl; Update qualifier ratios for compound Terphenyl-d14; Update qualifier ratios for compound 2-Fluorobiphenyl; Update qualifier ratios for compound Nitrobenzene-d5; Update qualifier ratios for compound Dibenzo(a,h)anthracene; Update qualifier ratios for compound Indeno(1,2,3-cd)pyrene; Update qualifier ratios for compound Benzo(a)pyrene; Update qualifier ratios for compound Benzo(k)fluoranthene; Update qualifier ratios for compound Benzo(b)fluoranthene; Update qualifier ratios for compound Chrysene; Update qualifier ratios for compound Benzo(a)Anthracene; Update qualifier ratios for compound Pyrene; Update qualifier ratios for compound Fluoranthene; Update qualifier ratios for compound Anthracene; Update qualifier ratios for compound Phenanthrene; Update qualifier ratios for compound Fluorene; Update qualifier ratios for compound Acenaphthene; Update qualifier ratios for compound Acenaphthylene; Update qualifier ratios for compound 1-Methylnaphthalene; Update qualifier ratios for compound 2-Methylnaphthalene; Update qualifier ratios for compound Naphthalene; Update qualifier ratios for compound Benzo(g,h,i)perylene;			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 8:31:50 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/17/2022 8:34:13 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1603.D, from x, y = 5.941, 2519 to 6.040, 119, result = 4963; previous integration is from x, y = 5.903, 119 to 6.040, 119 and previous response = 20257.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:34:15 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb1603.D to y = 119, new integration is from x, y = 5.941, 119 to 6.040, 119 and new response = 12157; previous integration is from x, y = 5.941, 2519 to 6.040, 119 and previous response = 4963.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:35:25 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1605.D, from x, y = 5.941, 830 to 6.016, 93, result = 1938; previous integration is from x, y = 5.903, 93 to 6.016, 93 and previous response = 8604.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:35:26 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb1605.D to y = 93, new integration is from x, y = 5.941, 93 to 6.016, 93 and new response = 3593; previous integration is from x, y = 5.941, 830 to 6.016, 93 and previous response = 1938.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:36:13 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1606.D, from x, y = 5.941, 387 to 6.016, 97, result = 1692; previous integration is from x, y = 5.904, 98 to 6.016, 97 and previous response = 6548.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:36:14 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb1606.D to y = 97, new integration is from x, y = 5.941, 97 to 6.016, 97 and new response = 2344; previous integration is from x, y = 5.941, 387 to 6.016, 97 and previous response = 1692.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:37:06 AM	Manually integrate qualifier 128.0 of compound Nitrobenzene-d5 in sample Feb1607.D, from x, y = 5.147, 155 to 5.280, 157, result = 320; previous integration is from x, y = 5.147, 155 to 5.441, 147 and previous response = 490.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:37:07 AM	Drop baseline for qualifier 128.0 of compound Nitrobenzene-d5 in sample Feb1607.D to y = 155, new integration is from x, y = 5.147, 155 to 5.280, 155 and new response = 330; previous integration is from x, y = 5.147, 155 to 5.280, 157 and previous response = 320.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:37:14 AM	Manually integrate compound Nitrobenzene-d5 in sample Feb1607.D, from x, y = 5.143, 161 to 5.330, 168, result = 683; previous integration is from x, y = 5.145, 170 to 5.327, 174 and previous response = 573.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:37:15 AM	Drop baseline for compound Nitrobenzene-d5 in sample Feb1607.D to y = 161, new integration is from x, y = 5.143, 161 to 5.330, 161 and new response = 720; previous integration is from x, y = 5.143, 161 to 5.330, 168 and previous response = 683.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:37:22 AM	Set UserAnnotation = BA for compound Nitrobenzene-d5 in sample Feb1607.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/17/2022 8:37:35 AM	Manually integrate qualifier 129.0 of compound Naphthalene in sample Feb1607.D, from x, y = 5.941, 162 to 6.028, 123, result = 506; previous integration is from x, y = 5.909, 121 to 6.028, 123 and previous response = 720.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:37:36 AM	Drop baseline for qualifier 129.0 of compound Naphthalene in sample Feb1607.D to y = 123, new integration is from x, y = 5.941, 123 to 6.028, 123 and new response = 608; previous integration is from x, y = 5.941, 162 to 6.028, 123 and previous response = 506.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:38:01 AM	Manually integrate compound Acenaphthene in sample Feb1607.D, from x, y = 8.013, 167 to 8.125, 98, result = 3947; previous integration is from x, y = 7.976, 91 to 8.125, 98 and previous response = 6447.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:38:03 AM	Drop baseline for compound Acenaphthene in sample Feb1607.D to y = 98, new integration is from x, y = 8.013, 98 to 8.125, 98 and new response = 4182; previous integration is from x, y = 8.013, 167 to 8.125, 98 and previous response = 3947.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/17/2022 8:38:06 AM	Manually integrate qualifier 152.0 of compound Acenaphthene in sample Feb1607.D, from x, y = 8.013, 498 to 8.088, 627, result = -27; previous integration is from x, y = 7.801, 108 to 7.901, 108 and previous response = 5031.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:38:08 AM	Snap baseline for qualifier 152.0 of compound Acenaphthene in sample Feb1607.D from x = 8.013 to x = 8.088, new integration is from x, y = 8.013, 149 to 8.088, 151 and new response = 1825; previous integration is from x, y = 8.013, 498 to 8.088, 627 and previous response = -27.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:38:29 AM	Drop baseline for qualifier 253.0 of compound Benzo(a)pyrene in sample Feb1607.D to y = 77, new integration is from x, y = 18.277, 77 to 18.388, 77 and new response = 869; previous integration is from x, y = 18.277, 77 to 18.388, 107 and previous response = 768.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:38:35 AM	Manually integrate compound Indeno(1,2,3-cd)pyrene in sample Feb1607.D, from x, y = 20.130, 65 to 20.217, 222, result = 2315; previous integration is from x, y = 20.130, 65 to 20.353, 67 and previous response = 4189.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:38:36 AM	Drop baseline for compound Indeno(1,2,3-cd)pyrene in sample Feb1607.D to y = 65, new integration is from x, y = 20.130, 65 to 20.217, 65 and new response = 2722; previous integration is from x, y = 20.130, 65 to 20.217, 222 and previous response = 2315.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:38:51 AM	Manually integrate compound Nitrobenzene-d5 in sample Feb1608.D from x, y = 5.143, 143 to 5.305, 149; result = 393			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:38:52 AM	Drop baseline for compound Nitrobenzene-d5 in sample Feb1608.D to y = 143, new integration is from x, y = 5.143, 143 to 5.305, 143 and new response = 421; previous integration is from x, y = 5.143, 143 to 5.305, 149 and previous response = 393.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/17/2022 8:38:56 AM	Manually integrate qualifier 54.0 of compound Nitrobenzene-d5 in sample Feb1608.D, from x, y = 5.143, 136 to 5.268, 138, result = 143; previous integration is from x, y = 5.119, 136 to 5.315, 138 and previous response = 174.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:38:58 AM	Drop baseline for qualifier 54.0 of compound Nitrobenzene-d5 in sample Feb1608.D to y = 136, new integration is from x, y = 5.143, 136 to 5.268, 136 and new response = 151; previous integration is from x, y = 5.143, 136 to 5.268, 138 and previous response = 143.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:39:02 AM	Manually integrate qualifier128.0 of compound Nitrobenzene-d5 in sample Feb1608.D from x, y = 5.143, 149 to 5.292, 151; result = 131			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:39:03 AM	Drop baseline for qualifier 128.0 of compound Nitrobenzene-d5 in sample Feb1608.D to y = 149, new integration is from x, y = 5.143, 149 to 5.292, 149 and new response = 138; previous integration is from x, y = 5.143, 149 to 5.292, 151 and previous response = 131.			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	2/17/2022 8:39:08 AM	Manually integrate compound Naphthalene in sample Feb1608.D from x, y = 5.916, 185 to 6.003, 482; result = 1597			✓	
CmdManuallyIntegrateS napBaseline	BL2000\jheine	2/17/2022 8:39:10 AM	Snap baseline for compound Naphthalene in sample Feb1608.D, from x = 5.916 to x = 6.003, new integration is from x, y = 5.916, 126 to 6.003, 172 and new response = 2564; previous integration is from x, y = 5.916, 185 to 6.003, 482 and previous response = 1597.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:39:11 AM	Drop baseline for compound Naphthalene in sample Feb1608.D to y = 126, new integration is from x, y = 5.916, 126 to 6.003, 126 and new response = 2684; previous integration is from x, y = 5.916, 126 to 6.003, 172 and previous response = 2564.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:39:13 AM	Manually integrate qualifier 129.0 of compound Naphthalene in sample Feb1608.D, from x, y = 5.941, 142 to 6.031, 121, result = 270; previous integration is from x, y = 5.917, 121 to 6.031, 121 and previous response = 389.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:39:14 AM	Drop baseline for qualifier 129.0 of compound Naphthalene in sample Feb1608.D to y = 121, new integration is from x, y = 5.941, 121 to 6.031, 121 and new response = 328; previous integration is from x, y = 5.941, 142 to 6.031, 121 and previous response = 270.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:39:19 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1608.D, from x, y = 5.941, 365 to 5.991, 86, result = 608; previous integration is from x, y = 5.903, 84 to 5.991, 86 and previous response = 5100.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:39:21 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb1608.D to y = 86, new integration is from x, y = 5.941, 86 to 5.991, 86 and new response = 1026; previous integration is from x, y = 5.941, 365 to 5.991, 86 and previous response = 608.			✓	
CmdSetTargetCompoun dAttribute	BL2000\jheine	2/17/2022 8:39:24 AM	Set UserAnnotation = NI for compound Naphthalene in sample Feb1608.D; previous value =			✓	
CmdSetTargetCompoun dAttribute	BL2000\jheine	2/17/2022 8:39:26 AM	Set UserAnnotation = NI for compound Nitrobenzene-d5 in sample Feb1608.D; previous value =			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	2/17/2022 8:39:35 AM	Manually integrate compound 2-Methylnaphthalene in sample Feb1608.D, from x, y = 6.790, 274 to 6.890, 491, result = -79; previous integration is from x, y = 6.890, 118 to 7.002, 120 and previous response = 1928.			✓	
CmdManuallyIntegrateS napBaseline	BL2000\jheine	2/17/2022 8:39:37 AM	Snap baseline for compound 2-Methylnaphthalene in sample Feb1608.D, from x = 6.790 to x = 6.890, new integration is from x, y = 6.790, 117 to 6.890, 150 and new response = 1415; previous integration is from x, y = 6.790, 274 to 6.890, 491 and previous response = -79.			✓	
CmdManuallyIntegrateS napBaseline	BL2000\jheine	2/17/2022 8:39:37 AM	Snap baseline for compound 2-Methylnaphthalene in sample Feb1608.D, from x = 6.790 to x = 6.890, new integration is from x, y = 6.790, 117 to 6.890, 150 and new response = 1415; previous integration is from x, y = 6.790, 117 to 6.890, 150 and previous response = 1415.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:39:40 AM	Drop baseline for compound 2-Methylnaphthalene in sample Feb1608.D to y = 117, new integration is from x, y = 6.790, 117 to 6.890, 117 and new response = 1513; previous integration is from x, y = 6.790, 117 to 6.890, 150 and previous response = 1415.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:39:42 AM	Manually integrate qualifier142.0 of compound 2-Methylnaphthalene in sample Feb1608.D from x, y = 6.790, 216 to 6.890, 413; result = 618			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:39:43 AM	Snap baseline for qualifier 142.0 of compound 2-Methylnaphthalene in sample Feb1608.D from x = 6.790 to x = 6.890, new integration is from x, y = 6.790, 118 to 6.890, 184 and new response = 1600; previous integration is from x, y = 6.790, 216 to 6.890, 413 and previous response = 618.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:39:44 AM	Drop baseline for qualifier 142.0 of compound 2-Methylnaphthalene in sample Feb1608.D to y = 118, new integration is from x, y = 6.790, 118 to 6.890, 118 and new response = 1798; previous integration is from x, y = 6.790, 118 to 6.890, 184 and previous response = 1600.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:39:48 AM	Manually integrate qualifier115.0 of compound 2-Methylnaphthalene in sample Feb1608.D from x, y = 6.790, 254 to 6.865, 313; result = 422			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:39:50 AM	Snap baseline for qualifier 115.0 of compound 2-Methylnaphthalene in sample Feb1608.D from x = 6.790 to x = 6.865, new integration is from x, y = 6.790, 230 to 6.865, 224 and new response = 677; previous integration is from x, y = 6.790, 254 to 6.865, 313 and previous response = 422.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:39:50 AM	Drop baseline for qualifier 115.0 of compound 2-Methylnaphthalene in sample Feb1608.D to y = 224, new integration is from x, y = 6.790, 224 to 6.865, 224 and new response = 690; previous integration is from x, y = 6.790, 230 to 6.865, 224 and previous response = 677.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:40:00 AM	Set UserAnnotation = RT for compound 2-Methylnaphthalene in sample Feb1608.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:40:05 AM	Manually integrate compound 1-Methylnaphthalene in sample Feb1608.D from x, y = 6.890, 228 to 7.002, 403; result = 602			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:40:06 AM	Snap baseline for compound 1-Methylnaphthalene in sample Feb1608.D, from x = 6.890 to x = 7.002, new integration is from x, y = 6.890, 150 to 7.002, 149 and new response = 1722; previous integration is from x, y = 6.890, 228 to 7.002, 403 and previous response = 602.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:40:07 AM	Drop baseline for compound 1-Methylnaphthalene in sample Feb1608.D to y = 149, new integration is from x, y = 6.890, 149 to 7.002, 149 and new response = 1726; previous integration is from x, y = 6.890, 150 to 7.002, 149 and previous response = 1722.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/17/2022 8:40:11 AM	Manually integrate qualifier115.0 of compound 1-Methylnaphthalene in sample Feb1608.D from x, y = 6.865, 237 to 6.965, 286; result = 616			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:40:12 AM	Snap baseline for qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1608.D from x = 6.865 to x = 6.965, new integration is from x, y = 6.865, 224 to 6.965, 219 and new response = 854; previous integration is from x, y = 6.865, 237 to 6.965, 286 and previous response = 616.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:40:13 AM	Drop baseline for qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1608.D to y = 219, new integration is from x, y = 6.865, 219 to 6.965, 219 and new response = 869; previous integration is from x, y = 6.865, 224 to 6.965, 219 and previous response = 854.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:40:19 AM	Set UserAnnotation = NI for compound 1-Methylnaphthalene in sample Feb1608.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:40:29 AM	Manually integrate compound Acenaphthene in sample Feb1608.D, from x, y = 8.013, 777 to 8.125, 806, result = -2228; previous integration is from x, y = 7.976, 89 to 8.262, 92 and previous response = 4715.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:40:30 AM	Snap baseline for compound Acenaphthene in sample Feb1608.D, from x = 8.013 to x = 8.125, new integration is from x, y = 8.013, 541 to 8.125, 113 and new response = 897; previous integration is from x, y = 8.013, 777 to 8.125, 806 and previous response = -2228.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:40:31 AM	Drop baseline for compound Acenaphthene in sample Feb1608.D to y = 113, new integration is from x, y = 8.013, 113 to 8.125, 113 and new response = 2337; previous integration is from x, y = 8.013, 541 to 8.125, 113 and previous response = 897.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:40:34 AM	Manually integrate qualifier 152.0 of compound Acenaphthene in sample Feb1608.D, from x, y = 8.013, 272 to 8.075, 505, result = 37; previous integration is from x, y = 7.793, 103 to 7.913, 103 and previous response = 3000.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:40:35 AM	Snap baseline for qualifier 152.0 of compound Acenaphthene in sample Feb1608.D from x = 8.013 to x = 8.075, new integration is from x, y = 8.013, 122 to 8.075, 132 and new response = 1015; previous integration is from x, y = 8.013, 272 to 8.075, 505 and previous response = 37.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:40:36 AM	Drop baseline for qualifier 152.0 of compound Acenaphthene in sample Feb1608.D to y = 122, new integration is from x, y = 8.013, 122 to 8.075, 122 and new response = 1034; previous integration is from x, y = 8.013, 122 to 8.075, 132 and previous response = 1015.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:40:39 AM	Manually integrate qualifier153.0 of compound Acenaphthene in sample Feb1608.D from x, y = 8.013, 376 to 8.075, 347; result = 1261			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:40:41 AM	Snap baseline for qualifier 153.0 of compound Acenaphthene in sample Feb1608.D from x = 8.013 to x = 8.075, new integration is from x, y = 8.013, 144 to 8.075, 128 and new response = 2105; previous integration is from x, y = 8.013, 376 to 8.075, 347 and previous response = 1261.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:40:42 AM	Drop baseline for qualifier 153.0 of compound Acenaphthene in sample Feb1608.D to y = 128, new integration is from x, y = 8.013, 128 to 8.075, 128 and new response = 2135; previous integration is from x, y = 8.013, 144 to 8.075, 128 and previous response = 2105.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:40:51 AM	Set UserAnnotation = CO for compound Acenaphthene in sample Feb1608.D; previous value =			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:40:57 AM	Manually integrate qualifier 167.0 of compound Fluorene in sample Feb1608.D, from x, y = 8.661, 87 to 8.748, 97, result = 321; previous integration is from x, y = 8.876, 100 to 9.059, 101 and previous response = 391.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:40:58 AM	Drop baseline for qualifier 167.0 of compound Fluorene in sample Feb1608.D to y = 87, new integration is from x, y = 8.661, 87 to 8.748, 87 and new response = 347; previous integration is from x, y = 8.661, 87 to 8.748, 97 and previous response = 321.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:41:05 AM	Manually integrate qualifier176.0 of compound Phenanthrene in sample Feb1608.D from x, y = 9.768, 79 to 9.830, 78; result = 697			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:41:07 AM	Drop baseline for qualifier 176.0 of compound Phenanthrene in sample Feb1608.D to y = 78, new integration is from x, y = 9.768, 78 to 9.830, 78 and new response = 699; previous integration is from x, y = 9.768, 79 to 9.830, 78 and previous response = 697.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:41:15 AM	Manually integrate qualifier215.0 of compound o-Terphenyl in sample Feb1608.D from x, y = 10.274, 130 to 10.361, 190; result = 411			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:41:17 AM	Snap baseline for qualifier 215.0 of compound o-Terphenyl in sample Feb1608.D from x = 10.274 to x = 10.361, new integration is from x, y = 10.274, 60 to 10.361, 71 and new response = 901; previous integration is from x, y = 10.274, 130 to 10.361, 190 and previous response = 411.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:41:18 AM	Drop baseline for qualifier 215.0 of compound o-Terphenyl in sample Feb1608.D to y = 60, new integration is from x, y = 10.274, 60 to 10.361, 60 and new response = 930; previous integration is from x, y = 10.274, 60 to 10.361, 71 and previous response = 901.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:41:26 AM	Manually integrate qualifier101.0 of compound Fluoranthene in sample Feb1608.D from x, y = 11.374, 81 to 11.497, 85; result = 198			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:41:27 AM	Snap baseline for qualifier 101.0 of compound Fluoranthene in sample Feb1608.D from x = 11.374 to x = 11.497, new integration is from x, y = 11.374, 62 to 11.497, 69 and new response = 326; previous integration is from x, y = 11.374, 81 to 11.497, 85 and previous response = 198.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:41:28 AM	Drop baseline for qualifier 101.0 of compound Fluoranthene in sample Feb1608.D to y = 62, new integration is from x, y = 11.374, 62 to 11.497, 62 and new response = 352; previous integration is from x, y = 11.374, 62 to 11.497, 69 and previous response = 326.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:41:35 AM	Manually integrate qualifier101.0 of compound Pyrene in sample Feb1608.D from x, y = 11.757, 85 to 11.855, 111; result = 254			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:41:36 AM	Snap baseline for qualifier 101.0 of compound Pyrene in sample Feb1608.D from x = 11.757 to x = 11.855, new integration is from x, y = 11.757, 66 to 11.855, 76 and new response = 414; previous integration is from x, y = 11.757, 85 to 11.855, 111 and previous response = 254.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:41:37 AM	Drop baseline for qualifier 101.0 of compound Pyrene in sample Feb1608.D to y = 66, new integration is from x, y = 11.757, 66 to 11.855, 66 and new response = 444; previous integration is from x, y = 11.757, 66 to 11.855, 76 and previous response = 414.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:41:43 AM	Manually integrate qualifier122.0 of compound Terphenyl-d14 in sample Feb1608.D from x, y = 12.214, 92 to 12.325, 108; result = 194			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:41:44 AM	Snap baseline for qualifier 122.0 of compound Terphenyl-d14 in sample Feb1608.D from x = 12.214 to x = 12.325, new integration is from x, y = 12.214, 82 to 12.325, 84 and new response = 309; previous integration is from x, y = 12.214, 92 to 12.325, 108 and previous response = 194.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:41:44 AM	Drop baseline for qualifier 122.0 of compound Terphenyl-d14 in sample Feb1608.D to y = 82, new integration is from x, y = 12.214, 82 to 12.325, 82 and new response = 316; previous integration is from x, y = 12.214, 82 to 12.325, 84 and previous response = 309.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 8:41:50 AM	Manually integrate qualifier226.0 of compound Benzo(a)Anthracene in sample Feb1608.D from x, y = 14.590, 123 to 14.689, 245; result = 484			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:41:52 AM	Snap baseline for qualifier 226.0 of compound Benzo(a)Anthracene in sample Feb1608.D from x = 14.590 to x = 14.689, new integration is from x, y = 14.590, 58 to 14.689, 156 and new response = 943; previous integration is from x, y = 14.590, 123 to 14.689, 245 and previous response = 484.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:41:53 AM	Drop baseline for qualifier 226.0 of compound Benzo(a)Anthracene in sample Feb1608.D to y = 58, new integration is from x, y = 14.590, 58 to 14.689, 58 and new response = 1236; previous integration is from x, y = 14.590, 58 to 14.689, 156 and previous response = 943.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:42:02 AM	Manually integrate compound Benzo(k)fluoranthene in sample Feb1608.D from x, y = 17.709, 510 to 17.882, 368; result = -634			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:42:03 AM	Snap baseline for compound Benzo(k)fluoranthene in sample Feb1608.D, from x = 17.709 to x = 17.882, new integration is from x, y = 17.709, 385 to 17.882, 116 and new response = 1323; previous integration is from x, y = 17.709, 510 to 17.882, 368 and previous response = -634.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:42:04 AM	Drop baseline for compound Benzo(k)fluoranthene in sample Feb1608.D to y = 116, new integration is from x, y = 17.709, 116 to 17.882, 116 and new response = 2719; previous integration is from x, y = 17.709, 385 to 17.882, 116 and previous response = 1323.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:42:15 AM	Manually integrate compound Dibenzo(a,h)anthracene in sample Feb1608.D from x, y = 20.204, 98 to 20.402, 207; result = 948			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:42:16 AM	Snap baseline for compound Dibenzo(a,h)anthracene in sample Feb1608.D, from x = 20.204 to x = 20.402, new integration is from x, y = 20.204, 83 to 20.402, 90 and new response = 1733; previous integration is from x, y = 20.204, 98 to 20.402, 207 and previous response = 948.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:42:17 AM	Drop baseline for compound Dibenzo(a,h)anthracene in sample Feb1608.D to y = 83, new integration is from x, y = 20.204, 83 to 20.402, 83 and new response = 1774; previous integration is from x, y = 20.204, 83 to 20.402, 90 and previous response = 1733.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:42:20 AM	Set UserAnnotation = NI for compound Dibenzo(a,h)anthracene in sample Feb1608.D; previous value =			✓	
CmdClearManualIntegration	BL2000\jheine	2/17/2022 8:42:25 AM	Clear manual integration of target signal for compound Benzo(k)fluoranthene in sample Feb1608.D				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Integrator did not find any peaks at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ClearManualIntegration() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdClearManualIntegration.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:42:31 AM	Manually integrate compound Benzo(k)fluoranthene in sample Feb1608.D from x, y = 17.709, 472 to 17.882, 410; result = -654			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:42:32 AM	Snap baseline for compound Benzo(k)fluoranthene in sample Feb1608.D, from x = 17.709 to x = 17.882, new integration is from x, y = 17.709, 385 to 17.882, 116 and new response = 1323; previous integration is from x, y = 17.709, 472 to 17.882, 410 and previous response = -654.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:42:33 AM	Drop baseline for compound Benzo(k)fluoranthene in sample Feb1608.D to y = 116, new integration is from x, y = 17.709, 116 to 17.882, 116 and new response = 2719; previous integration is from x, y = 17.709, 385 to 17.882, 116 and previous response = 1323.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:42:34 AM	Set UserAnnotation = NI for compound Benzo(k)fluoranthene in sample Feb1608.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:42:41 AM	Manually integrate compound Benzo(g,h,i)perylene in sample Feb1608.D from x, y = 20.476, 138 to 20.637, 320; result = 950			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:42:43 AM	Snap baseline for compound Benzo(g,h,i)perylene in sample Feb1608.D, from x = 20.476 to x = 20.637, new integration is from x, y = 20.476, 84 to 20.637, 98 and new response = 2281; previous integration is from x, y = 20.476, 138 to 20.637, 320 and previous response = 950.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:42:44 AM	Drop baseline for compound Benzo(g,h,i)perylene in sample Feb1608.D to y = 84, new integration is from x, y = 20.476, 84 to 20.637, 84 and new response = 2349; previous integration is from x, y = 20.476, 84 to 20.637, 98 and previous response = 2281.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:42:46 AM	Set UserAnnotation = NI for compound Benzo(g,h,i)perylene in sample Feb1608.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/17/2022 8:43:05 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1609.D, from x, y = 5.941, 1050 to 6.090, 96, result = 2503; previous integration is from x, y = 5.891, 95 to 6.090, 96 and previous response = 12894.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:43:07 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb1609.D to y = 96, new integration is from x, y = 5.941, 96 to 6.090, 96 and new response = 6793; previous integration is from x, y = 5.941, 1050 to 6.090, 96 and previous response = 2503.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/17/2022 8:43:21 AM	Manually integrate qualifier142.0 of compound 1-Methylnaphthalene in sample Feb1609.D from x, y = 6.877, 5128 to 6.977, 10138; result = -3911			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:43:22 AM	Snap baseline for qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb1609.D from x = 6.877 to x = 6.977, new integration is from x, y = 6.877, 982 to 6.977, 735 and new response = 36701; previous integration is from x, y = 6.877, 5128 to 6.977, 10138 and previous response = -3911.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 8:43:23 AM	Drop baseline for qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb1609.D to y = 735, new integration is from x, y = 6.877, 735 to 6.977, 735 and new response = 37441; previous integration is from x, y = 6.877, 982 to 6.977, 735 and previous response = 36701.			✓	
CmdSaveBatchTable	BL2000\jheine	2/17/2022 8:43:57 AM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\jheine	2/17/2022 8:44:05 AM	Replace level ICV with QC sample Feb1609.D for compounds {Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(g,h,i)perylene}; Replace level 1 with Calibration sample Feb1608.D for compounds {Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(g,h,i)perylene}; Replace level 2 with Calibration sample Feb1607.D for compounds {Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(g,h,i)perylene}; Replace level 3 with Calibration sample Feb1606.D for compounds {Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(g,h,i)perylene}; Replace level 4 with Calibration sample Feb1605.D for compounds {Dibenzo(a,h)anthracene,			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(g,h,i)perylene}; Replace level 5 with Calibration sample Feb1604.D for compounds {Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(g,h,i)perylene}; Replace level 6 with Calibration sample Feb1603.D for compounds {Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(g,h,i)perylene}; Replace level 7 with Calibration sample Feb1602.D for compounds {Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(g,h,i)perylene};				
CmdQuantitate	BL2000\jheine	2/17/2022 8:44:13 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:44:21 AM	Set CurveFit = fitQuadratic for compound Nitrobenzene-d5 in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:44:26 AM	Set CurveFitWeight = weightOneOverX for compound Nitrobenzene-d5 in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 8:44:30 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:44:49 AM	Set CurveFit = fitAverageOfResponseFactors for compound Naphthalene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:44:51 AM	Set CurveFit = fitQuadratic for compound Naphthalene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:45:00 AM	Set CurveFitWeight = weightOneOverXSquared for compound 2-Methylnaphthalene in all samples; previous value = weightOneOverX			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:45:06 AM	Set CurveFitWeight = weightOneOverX for compound 2-Methylnaphthalene in all samples; previous value = weightOneOverX			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:45:10 AM	Set CurveFitWeight = weightEqual for compound 2-Methylnaphthalene in all samples; previous value = weightOneOverX			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:45:13 AM	Set CurveFit = fitAverageOfResponseFactors for compound 2-Methylnaphthalene in all samples; previous value = fitQuadratic			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 8:45:19 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:45:24 AM	Set CurveFit = fitAverageOfResponseFactors for compound 1-Methylnaphthalene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:45:26 AM	Set CurveFitWeight = weightEqual for compound 1-Methylnaphthalene in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 8:45:31 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:45:58 AM	Set CurveFit = fitQuadratic for compound Acenaphthylene in all samples; previous value = fitAverageOfResponseFactors			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:46:05 AM	Set CurveFitWeight = weightOneOverX for compound Acenaphthylene in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 8:46:09 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:46:16 AM	Set CurveFitWeight = weightOneOverXSquared for compound Acenaphthylene in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 8:46:21 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:46:29 AM	Set CurveFitWeight = weightOneOverXSquared for compound Acenaphthene in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 8:46:34 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:46:45 AM	Set CurveFit = fitAverageOfResponseFactors for compound Acenaphthene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:46:48 AM	Set CurveFit = fitQuadratic for compound Acenaphthene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:47:09 AM	Set CurveFitWeight = weightOneOverX for compound Acenaphthene in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 8:47:14 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:47:41 AM	Manually integrate compound Acenaphthene-d10 in sample Feb1609.D, from x, y = 7.963, 96 to 8.524, 2721, result = 699256; previous integration is from x, y = 7.963, 96 to 8.088, 110 and previous response = 732019.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:47:42 AM	Drop baseline for compound Acenaphthene-d10 in sample Feb1609.D to y = 96, new integration is from x, y = 7.963, 96 to 8.524, 96 and new response = 743394; previous integration is from x, y = 7.963, 96 to 8.524, 2721 and previous response = 699256.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:47:47 AM	Set UserAnnotation = LT for compound Acenaphthene-d10 in sample Feb1609.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:47:55 AM	Set CurveFitWeight = weightOneOverXSquared for compound Acenaphthene in all samples; previous value = weightOneOverX			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\jheine	2/17/2022 8:48:03 AM	Replace level ICV with QC sample Feb1609.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Acenaphthene}; Replace level 1 with Calibration sample Feb1608.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Acenaphthene}; Replace level 2 with Calibration sample Feb1607.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Acenaphthene}; Replace level 3 with Calibration sample Feb1606.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene,			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Nitrobenzene-d5, Acenaphthene}; Replace level 4 with Calibration sample Feb1605.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Acenaphthene}; Replace level 5 with Calibration sample Feb1604.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Acenaphthene}; Replace level 6 with Calibration sample Feb1603.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Acenaphthene}; Replace level 7 with Calibration sample Feb1602.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Acenaphthene};				
CmdQuantitate	BL2000\jheine	2/17/2022 8:48:06 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:49:09 AM	Set CurveFitWeight = weightOneOverXSquared for compound Benzo(b)fluoranthene in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 8:49:14 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:49:17 AM	Set CurveFitWeight = weightEqual for compound Benzo(b)fluoranthene in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 8:49:21 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:49:25 AM	Set CurveFitWeight = weightOneOverX for compound Benzo(b)fluoranthene in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 8:49:30 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:49:47 AM	Manually integrate compound Perylene-d12 in sample Feb1609.D, from x, y = 18.376, 95 to 18.932, 1628, result = 663677; previous integration is from x, y = 18.376, 95 to 18.512, 112 and previous response = 665239.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:49:49 AM	Drop baseline for compound Perylene-d12 in sample Feb1609.D to y = 95, new integration is from x, y = 18.376, 95 to 18.932, 95 and new response = 689257; previous integration is from x, y = 18.376, 95 to 18.932, 1628 and previous response = 663677.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:49:52 AM	Set UserAnnotation = LT for compound Perylene-d12 in sample Feb1609.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdImportSamplesFromWorklist	BL2000\jheine	2/17/2022 8:51:16 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1624.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1623.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1622.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1621.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1620.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1619.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1618.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1617.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1616.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1615.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1614.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1613.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1612.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1611.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\Feb1610.D			✓	
CmdStartMethodEditing	BL2000\jheine	2/17/2022 8:51:45 AM	Start method editing			✓	
CmdImportMethodFromSample	BL2000\jheine	2/17/2022 8:51:45 AM	Import method from sample Feb1602.D			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:19 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:19 AM	Set PeakFilterThresholdValue = 1342.14424999997 for compound Naphthalene; previous value = 2876.3967000971			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:19 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:19 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:19 AM	Set PeakFilterThresholdValue = 151.18195546729 for qualifier 129.0 of compound Naphthalene; previous value = 321.673551240114			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:19 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:19 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:19 AM	Set PeakFilterThresholdValue = 157.489052866607 for qualifier 102.0 of compound Naphthalene; previous value = 431.245752148596			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:19 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:19 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:19 AM	Set PeakFilterThresholdValue = 756.722749999996 for compound 2-Methylnaphthalene; previous value = 1644.26573702702			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:19 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:20 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:20 AM	Set PeakFilterThresholdValue = 1042.98506919672 for qualifier 142.0 of compound 2-Methylnaphthalene; previous value = 2231.14978850617			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:20 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:20 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:20 AM	Set PeakFilterThresholdValue = 358.512893500945 for qualifier 115.0 of compound 2-Methylnaphthalene; previous value = 773.818610217637			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:20 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:20 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:20 AM	Set PeakFilterThresholdValue = 862.758999999995 for compound 1-Methylnaphthalene; previous value = 1937.1065034811			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:20 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:20 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:21 AM	Set PeakFilterThresholdValue = 1013.85408500137 for qualifier 142.0 of compound 1-Methylnaphthalene; previous value = 2149.04469637792			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:21 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:21 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:21 AM	Set PeakFilterThresholdValue = 412.700610186786 for qualifier 115.0 of compound 1-Methylnaphthalene; previous value = 1012.06697164975			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:21 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:21 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:21 AM	Set PeakFilterThresholdValue = 1499.7551250541 for compound Acenaphthylene; previous value = 2096.77416413672			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:21 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:21 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:22 AM	Set PeakFilterThresholdValue = 253.787277079332 for qualifier 153.0 of compound Acenaphthylene; previous value = 368.75752935442			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:22 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:22 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:22 AM	Set PeakFilterThresholdValue = 1168.51425000004 for compound Acenaphthene; previous value = 2358.75645025508			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:22 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:22 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:22 AM	Set PeakFilterThresholdValue = 609.517109165033 for qualifier 152.0 of compound Acenaphthene; previous value = 1245.97556436239			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:22 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:23 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:23 AM	Set PeakFilterThresholdValue = 1314.02077793603 for qualifier 153.0 of compound Acenaphthene; previous value = 2567.30990000207			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:23 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:23 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:23 AM	Set PeakFilterThresholdValue = 1263.27383179596 for compound Fluorene; previous value = 2224.33087777785			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:23 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:23 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:23 AM	Set PeakFilterThresholdValue = 1242.07822687862 for qualifier 165.0 of compound Fluorene; previous value = 1795.31667031326			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:24 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:24 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:24 AM	Set PeakFilterThresholdValue = 130.464056138689 for qualifier 167.0 of compound Fluorene; previous value = 267.140836108124			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:24 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:24 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:24 AM	Set PeakFilterThresholdValue = 2093.37396425247 for compound Phenanthrene; previous value = 4054.35323703485			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:24 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:24 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:25 AM	Set PeakFilterThresholdValue = 378.087806439391 for qualifier 176.0 of compound Phenanthrene; previous value = 746.632268833991			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:25 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:25 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:25 AM	Set PeakFilterThresholdValue = 1753.68491601195 for compound Anthracene; previous value = 2964.84926971362			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:25 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:25 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:25 AM	Set PeakFilterThresholdValue = 300.665850899174 for qualifier 176.0 of compound Anthracene; previous value = 537.618821104674			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:25 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:25 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:26 AM	Set PeakFilterThresholdValue = 1812.45251242521 for compound Fluoranthene; previous value = 3287.24854940544			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:26 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:26 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:26 AM	Set PeakFilterThresholdValue = 168.020745649104 for qualifier 101.0 of compound Fluoranthene; previous value = 310.020266673602			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:26 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:26 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:26 AM	Set PeakFilterThresholdValue = 2002.39472959585 for compound Pyrene; previous value = 3977.66934334569			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:26 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:26 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:27 AM	Set PeakFilterThresholdValue = 218.43361894439 for qualifier 101.0 of compound Pyrene; previous value = 466.096035901101			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:27 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:27 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:27 AM	Set PeakFilterThresholdValue = 2671.35336201659 for compound Benzo(a)Anthracene; previous value = 4716.0743425365			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:27 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:27 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:27 AM	Set PeakFilterThresholdValue = 630.316519484304 for qualifier 229.0 of compound Benzo(a)Anthracene; previous value = 1164.31349573075			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:27 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:28 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:28 AM	Set PeakFilterThresholdValue = 686.31728185601 for qualifier 226.0 of compound Benzo(a)Anthracene; previous value = 1261.0763118306			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:28 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:28 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:28 AM	Set PeakFilterThresholdValue = 1969.12363439392 for compound Chrysene; previous value = 3713.24104567477			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:28 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:28 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:29 AM	Set PeakFilterThresholdValue = 568.153228048863 for qualifier 226.0 of compound Chrysene; previous value = 1133.61438597952			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:29 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:29 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:29 AM	Set PeakFilterThresholdValue = 436.669143493688 for qualifier 229.0 of compound Chrysene; previous value = 752.4816671737			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:29 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:29 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:29 AM	Set PeakFilterThresholdValue = 1039.44004930905 for compound Benzo(b)fluoranthene; previous value = 1924.22303435986			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:29 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:29 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:30 AM	Set PeakFilterThresholdValue = 238.815974079029 for qualifier 253.0 of compound Benzo(b)fluoranthene; previous value = 428.106490524784			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:30 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:30 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:30 AM	Set PeakFilterThresholdValue = 1359.39975 for compound Benzo(k)fluoranthene; previous value = 2730.19925000005			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:30 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:30 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:30 AM	Set PeakFilterThresholdValue = 295.184302173436 for qualifier 253.0 of compound Benzo(k)fluoranthene; previous value = 643.014098243119			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:30 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:31 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:31 AM	Set PeakFilterThresholdValue = 999.906571428564 for compound Benzo(a)pyrene; previous value = 1873.28862499998			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:31 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:31 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:31 AM	Set PeakFilterThresholdValue = 236.786678915233 for qualifier 253.0 of compound Benzo(a)pyrene; previous value = 450.209004844411			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:31 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:31 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:31 AM	Set PeakFilterThresholdValue = 798.587737777689 for compound Indeno(1,2,3-cd)pyrene; previous value = 1542.77587297706			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:31 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:32 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:32 AM	Set PeakFilterThresholdValue = 181.924418668188 for qualifier 138.0 of compound Indeno(1,2,3-cd)pyrene; previous value = 311.351769645034			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:32 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:32 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:32 AM	Set PeakFilterThresholdValue = 887.165999999989 for compound Dibenzo(a,h)anthracene; previous value = 1941.96158089213			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:32 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:32 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:32 AM	Set PeakFilterThresholdValue = 218.698491182138 for qualifier 279.0 of compound Dibenzo(a,h)anthracene; previous value = 483.57412106567			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:33 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:33 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:33 AM	Set PeakFilterThresholdValue = 153.092299844588 for qualifier 139.0 of compound Dibenzo(a,h)anthracene; previous value = 315.530645247294			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:33 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:33 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:33 AM	Set PeakFilterThresholdValue = 1174.32725 for compound Benzo(g,h,i)perylene; previous value = 2445.86630695365			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:33 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:33 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:34 AM	Set PeakFilterThresholdValue = 274.29265693437 for qualifier 138.0 of compound Benzo(g,h,i)perylene; previous value = 529.173798535417			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:34 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:34 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:34 AM	Set PeakFilterThresholdValue = 289.002343891517 for qualifier 277.0 of compound Benzo(g,h,i)perylene; previous value = 599.314222249974			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:34 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:34 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:34 AM	Set PeakFilterThresholdValue = 210.326249999999 for compound Nitrobenzene-d5; previous value = 422.508000000001			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:34 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:35 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:35 AM	Set PeakFilterThresholdValue = 88.880138770162 for qualifier 54.0 of compound Nitrobenzene-d5; previous value = 161.327587554762			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:35 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:35 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:35 AM	Set PeakFilterThresholdValue = 98.718034306051 for qualifier 128.0 of compound Nitrobenzene-d5; previous value = 188.051171399164			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:35 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:35 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:35 AM	Set PeakFilterThresholdValue = 1126.44917467532 for compound 2-Fluorobiphenyl; previous value = 2121.22518066658			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:36 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:36 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:36 AM	Set PeakFilterThresholdValue = 423.481263599563 for qualifier 171.0 of compound 2-Fluorobiphenyl; previous value = 756.31684539707			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:36 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:36 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:36 AM	Set PeakFilterThresholdValue = 1281.8409568345 for compound Terphenyl-d14; previous value = 2440.30271588323			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:36 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:36 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:37 AM	Set PeakFilterThresholdValue = 162.896645939696 for qualifier 122.0 of compound Terphenyl-d14; previous value = 298.554567258021			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:37 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:37 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:37 AM	Set PeakFilterThresholdValue = 1154.66508316994 for compound o-Terphenyl; previous value = 2242.49300466908			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:52:37 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:37 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:37 AM	Set PeakFilterThresholdValue = 738.45034112583 for qualifier 229.0 of compound o-Terphenyl; previous value = 1482.60261809708			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:37 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:38 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:38 AM	Set PeakFilterThresholdValue = 449.573055038091 for qualifier 215.0 of compound o-Terphenyl; previous value = 924.636609883368			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/17/2022 8:52:38 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdApplyMethodToAllSamples	BL2000\jheine	2/17/2022 8:52:50 AM	Apply method to all samples			✓	
CmdMethodClear	BL2000\jheine	2/17/2022 8:52:50 AM	Clear method			✓	
CmdEndMethodEditing	BL2000\jheine	2/17/2022 8:52:51 AM	End method editing			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 8:53:04 AM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:53:13 AM	Set SampleType = Blank for sample Feb1611.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:53:17 AM	Set SampleType = Matrix for sample Feb1612.D; previous value = Sample			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:53:22 AM	Set SampleType = MatrixDup for sample Feb1613.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:53:26 AM	Set SampleType = Matrix for sample Feb1617.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:53:33 AM	Set SampleType = Matrix for sample Feb1622.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:53:38 AM	Set SampleType = CC for sample Feb1624.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 8:53:42 AM	Set LevelName = CCV for sample Feb1624.D; previous value =			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 8:53:53 AM	Quantitate all compounds in all samples			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:54:23 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1610.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:54:28 AM	Manually integrate compound Acenaphthene in sample Feb1610.D, from x, y = 8.025, 167 to 8.088, 84, result = 164; previous integration is from x, y = 7.970, 84 to 8.088, 84 and previous response = 3222.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:54:30 AM	Drop baseline for compound Acenaphthene in sample Feb1610.D to y = 84, new integration is from x, y = 8.025, 84 to 8.088, 84 and new response = 318; previous integration is from x, y = 8.025, 167 to 8.088, 84 and previous response = 164.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:54:31 AM	Zero out primary peak of compound Acenaphthene in sample Feb1610.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:54:33 AM	Zero out primary peak of compound Chrysene in sample Feb1610.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:54:34 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb1610.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:54:43 AM	Zero out primary peak of compound Fluorene in sample Feb1611.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:54:46 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1611.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:54:50 AM	Manually integrate compound Acenaphthene in sample Feb1611.D, from x, y = 8.025, 157 to 8.075, 123, result = 143; previous integration is from x, y = 7.976, 127 to 8.075, 123 and previous response = 2917.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:54:51 AM	Drop baseline for compound Acenaphthene in sample Feb1611.D to y = 123, new integration is from x, y = 8.025, 123 to 8.075, 123 and new response = 195; previous integration is from x, y = 8.025, 157 to 8.075, 123 and previous response = 143.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:54:52 AM	Zero out primary peak of compound Acenaphthene in sample Feb1611.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:54:57 AM	Manually integrate compound Chrysene in sample Feb1611.D, from x, y = 14.714, 281 to 14.801, 269, result = -661; previous integration is from x, y = 14.604, 63 to 14.714, 64 and previous response = 3404.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:54:59 AM	Snap baseline for compound Chrysene in sample Feb1611.D, from x = 14.714 to x = 14.801, new integration is from x, y = 14.714, 187 to 14.801, 94 and new response = 40; previous integration is from x, y = 14.714, 281 to 14.801, 269 and previous response = -661.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:54:59 AM	Drop baseline for compound Chrysene in sample Feb1611.D to y = 94, new integration is from x, y = 14.714, 94 to 14.801, 94 and new response = 283; previous integration is from x, y = 14.714, 187 to 14.801, 94 and previous response = 40.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:55:01 AM	Zero out primary peak of compound Chrysene in sample Feb1611.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:55:03 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb1611.D			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/17/2022 8:55:24 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1612.D, from x, y = 5.941, 953 to 6.041, 134, result = 6816; previous integration is from x, y = 5.903, 106 to 6.041, 134 and previous response = 16680.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:55:25 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb1612.D to y = 134, new integration is from x, y = 5.941, 134 to 6.041, 134 and new response = 9272; previous integration is from x, y = 5.941, 953 to 6.041, 134 and previous response = 6816.			✓	
CmdManuallyIntegrateSplit	BL2000\jheine	2/17/2022 8:55:31 AM	Split peak for compound 2-Methylnaphthalene in sample Feb1612.D and keep left peak, new integration is from x, y = 6.752, 113.791666666667 to 6.877, 113.791666666667 and new response = 60422, previous integration is from x, y = 6.752, 114 to 6.965, 114 and previous response = 116094.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\jheine	2/17/2022 8:55:38 AM	Split peak for compound 1-Methylnaphthalene in sample Feb1612.D and keep right peak, new integration is from x, y = 6.877, 113.791666666667 to 6.965, 113.791666666667 and new response = 55672, previous integration is from x, y = 6.752, 114 to 6.965, 114 and previous response = 116094.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/17/2022 8:56:20 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1613.D, from x, y = 5.941, 1416 to 6.040, 110, result = 4963; previous integration is from x, y = 5.903, 110 to 6.040, 110 and previous response = 15921.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:56:21 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb1613.D to y = 110, new integration is from x, y = 5.941, 110 to 6.040, 110 and new response = 8876; previous integration is from x, y = 5.941, 1416 to 6.040, 110 and previous response = 4963.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:56:29 AM	Set UserAnnotation = CO for compound 2-Methylnaphthalene in sample Feb1612.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:56:33 AM	Set UserAnnotation = CO for compound 1-Methylnaphthalene in sample Feb1612.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:56:51 AM	Manually integrate compound 2-Methylnaphthalene in sample Feb1613.D, from x, y = 6.752, 113 to 6.877, 15139, result = 2071; previous integration is from x, y = 6.607, 113 to 6.752, 113 and previous response = 2596.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:56:53 AM	Drop baseline for compound 2-Methylnaphthalene in sample Feb1613.D to y = 113, new integration is from x, y = 6.752, 113 to 6.877, 113 and new response = 58367; previous integration is from x, y = 6.752, 113 to 6.877, 15139 and previous response = 2071.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:56:54 AM	Set UserAnnotation = RT for compound 2-Methylnaphthalene in sample Feb1613.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/17/2022 8:56:57 AM	Manually integrate qualifier142.0 of compound 2-Methylnaphthalene in sample Feb1613.D from x, y = 6.752, 3767 to 6.877, 14928; result = 13656			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:56:58 AM	Snap baseline for qualifier 142.0 of compound 2-Methylnaphthalene in sample Feb1613.D from x = 6.752 to x = 6.877, new integration is from x, y = 6.752, 442 to 6.877, 1299 and new response = 77173; previous integration is from x, y = 6.752, 3767 to 6.877, 14928 and previous response = 13656.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:56:59 AM	Drop baseline for qualifier 142.0 of compound 2-Methylnaphthalene in sample Feb1613.D to y = 442, new integration is from x, y = 6.752, 442 to 6.877, 442 and new response = 80384; previous integration is from x, y = 6.752, 442 to 6.877, 1299 and previous response = 77173.			✓	
CmdManuallyIntegrateSplit	BL2000\jheine	2/17/2022 8:57:04 AM	Split peak for compound 1-Methylnaphthalene in sample Feb1613.D and keep right peak, new integration is from x, y = 6.877, 112.67938034188 to 6.965, 112.67938034188 and new response = 52863, previous integration is from x, y = 6.752, 113 to 6.965, 113 and previous response = 111229.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 8:57:05 AM	Set UserAnnotation = CO for compound 1-Methylnaphthalene in sample Feb1613.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\jheine	2/17/2022 8:57:07 AM	Split qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb1613.D and keep right peak, new integration is from x, y = 6.877, 88.618313222725 to 6.990, 88.618313222725 and new response = 61214, previous integration is from x, y = 6.752, 89 to 6.990, 89 and previous response = 144245.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:58:04 AM	Zero out primary peak of compound Fluorene in sample Feb1614.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:58:12 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1614.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:58:17 AM	Manually integrate compound Acenaphthene in sample Feb1614.D, from x, y = 8.025, 238 to 8.088, 113, result = -29; previous integration is from x, y = 7.976, 116 to 8.088, 113 and previous response = 2752.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:58:18 AM	Drop baseline for compound Acenaphthene in sample Feb1614.D to y = 113, new integration is from x, y = 8.025, 113 to 8.088, 113 and new response = 205; previous integration is from x, y = 8.025, 238 to 8.088, 113 and previous response = -29.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:58:19 AM	Zero out primary peak of compound Acenaphthene in sample Feb1614.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:58:24 AM	Manually integrate compound Chrysene in sample Feb1614.D, from x, y = 14.701, 222 to 14.801, 383, result = -985; previous integration is from x, y = 14.605, 64 to 14.751, 64 and previous response = 3379.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:58:26 AM	Snap baseline for compound Chrysene in sample Feb1614.D, from x = 14.701 to x = 14.801, new integration is from x, y = 14.701, 168 to 14.801, 90 and new response = 51; previous integration is from x, y = 14.701, 222 to 14.801, 383 and previous response = -985.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:58:27 AM	Drop baseline for compound Chrysene in sample Feb1614.D to y = 90, new integration is from x, y = 14.701, 90 to 14.801, 90 and new response = 284; previous integration is from x, y = 14.701, 168 to 14.801, 90 and previous response = 51.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:58:28 AM	Zero out primary peak of compound Chrysene in sample Feb1614.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:58:30 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb1614.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:58:42 AM	Manually integrate compound Fluorene in sample Feb1615.D, from x, y = 8.649, 178 to 8.699, 167, result = 714; previous integration is from x, y = 8.935, 172 to 9.047, 176 and previous response = 21068.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:58:43 AM	Zero out primary peak of compound Fluorene in sample Feb1615.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:58:47 AM	Manually integrate compound Acenaphthene in sample Feb1615.D, from x, y = 8.013, 240 to 8.088, 161, result = 775; previous integration is from x, y = 7.976, 161 to 8.088, 161 and previous response = 3294.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:58:49 AM	Drop baseline for compound Acenaphthene in sample Feb1615.D to y = 161, new integration is from x, y = 8.013, 161 to 8.088, 161 and new response = 951; previous integration is from x, y = 8.013, 240 to 8.088, 161 and previous response = 775.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:58:50 AM	Zero out primary peak of compound Acenaphthene in sample Feb1615.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:58:55 AM	Manually integrate compound Benzo(a)pyrene in sample Feb1615.D, from x, y = 18.277, 74 to 18.364, 90, result = 423; previous integration is from x, y = 18.383, 89 to 18.512, 90 and previous response = 8034.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:58:56 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb1615.D to y = 74, new integration is from x, y = 18.277, 74 to 18.364, 74 and new response = 464; previous integration is from x, y = 18.277, 74 to 18.364, 90 and previous response = 423.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:58:57 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1615.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:59:08 AM	Manually integrate compound Naphthalene in sample Feb1615.D, from x, y = 5.941, 344 to 5.966, 361, result = 631; previous integration is from x, y = 5.924, 496 to 6.039, 496 and previous response = 2835.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:59:09 AM	Drop baseline for compound Naphthalene in sample Feb1615.D to y = 344, new integration is from x, y = 5.941, 344 to 5.966, 344 and new response = 644; previous integration is from x, y = 5.941, 344 to 5.966, 361 and previous response = 631.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:59:10 AM	Zero out primary peak of compound Naphthalene in sample Feb1615.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:59:17 AM	Manually integrate compound 2-Methylnaphthalene in sample Feb1615.D, from x, y = 6.765, 195 to 6.840, 180, result = 546; previous integration is from x, y = 6.840, 162 to 6.990, 162 and previous response = 1230.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:59:19 AM	Drop baseline for compound 2-Methylnaphthalene in sample Feb1615.D to y = 180, new integration is from x, y = 6.765, 180 to 6.840, 180 and new response = 579; previous integration is from x, y = 6.765, 195 to 6.840, 180 and previous response = 546.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:59:21 AM	Zero out primary peak of compound 2-Methylnaphthalene in sample Feb1615.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:59:24 AM	Zero out primary peak of compound 1-Methylnaphthalene in sample Feb1615.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:59:32 AM	Manually integrate compound Pyrene in sample Feb1615.D, from x, y = 11.734, 97 to 11.806, 866, result = 3170; previous integration is from x, y = 11.734, 97 to 11.930, 98 and previous response = 5593.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:59:34 AM	Drop baseline for compound Pyrene in sample Feb1615.D to y = 97, new integration is from x, y = 11.734, 97 to 11.806, 97 and new response = 4827; previous integration is from x, y = 11.734, 97 to 11.806, 866 and previous response = 3170.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 8:59:44 AM	Manually integrate compound Anthracene in sample Feb1615.D, from x, y = 9.830, 324 to 9.904, 476, result = 507; previous integration is from x, y = 9.744, 227 to 9.830, 221 and previous response = 2003.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 8:59:45 AM	Snap baseline for compound Anthracene in sample Feb1615.D, from x = 9.830 to x = 9.904, new integration is from x, y = 9.830, 238 to 9.904, 248 and new response = 1205; previous integration is from x, y = 9.830, 324 to 9.904, 476 and previous response = 507.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 8:59:46 AM	Drop baseline for compound Anthracene in sample Feb1615.D to y = 238, new integration is from x, y = 9.830, 238 to 9.904, 238 and new response = 1227; previous integration is from x, y = 9.830, 238 to 9.904, 248 and previous response = 1205.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:59:47 AM	Zero out primary peak of compound Anthracene in sample Feb1615.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:59:53 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb1615.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 8:59:54 AM	Zero out primary peak of compound Chrysene in sample Feb1615.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:00:05 AM	Zero out primary peak of compound Fluorene in sample Feb1616.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 9:00:10 AM	Manually integrate compound Benzo(a)pyrene in sample Feb1616.D, from x, y = 18.277, 65 to 18.339, 98, result = 133; previous integration is from x, y = 18.376, 70 to 18.512, 72 and previous response = 2672.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 9:00:11 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb1616.D to y = 65, new integration is from x, y = 18.277, 65 to 18.339, 65 and new response = 195; previous integration is from x, y = 18.277, 65 to 18.339, 98 and previous response = 133.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:00:14 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1616.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 9:00:20 AM	Manually integrate compound Acenaphthene in sample Feb1616.D, from x, y = 8.026, 192 to 8.063, 120, result = 173; previous integration is from x, y = 7.976, 124 to 8.063, 120 and previous response = 2699.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 9:00:21 AM	Drop baseline for compound Acenaphthene in sample Feb1616.D to y = 120, new integration is from x, y = 8.026, 120 to 8.063, 120 and new response = 254; previous integration is from x, y = 8.026, 192 to 8.063, 120 and previous response = 173.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:00:22 AM	Zero out primary peak of compound Acenaphthene in sample Feb1616.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 9:00:28 AM	Manually integrate compound Chrysene in sample Feb1616.D, from x, y = 14.702, 339 to 14.789, 428, result = -648; previous integration is from x, y = 14.592, 62 to 14.702, 70 and previous response = 3599.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 9:00:29 AM	Snap baseline for compound Chrysene in sample Feb1616.D, from x = 14.702 to x = 14.789, new integration is from x, y = 14.702, 209 to 14.789, 108 and new response = 528; previous integration is from x, y = 14.702, 339 to 14.789, 428 and previous response = -648.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 9:00:30 AM	Drop baseline for compound Chrysene in sample Feb1616.D to y = 108, new integration is from x, y = 14.702, 108 to 14.789, 108 and new response = 792; previous integration is from x, y = 14.702, 209 to 14.789, 108 and previous response = 528.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:00:32 AM	Zero out primary peak of compound Chrysene in sample Feb1616.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:00:34 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb1616.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:00:49 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1617.D, from x, y = 5.941, 1005 to 6.041, 113, result = 5154; previous integration is from x, y = 5.903, 114 to 6.041, 113 and previous response = 14195.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:00:50 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb1617.D to y = 113, new integration is from x, y = 5.941, 113 to 6.041, 113 and new response = 7827; previous integration is from x, y = 5.941, 1005 to 6.041, 113 and previous response = 5154.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:03:44 AM	Zero out primary peak of compound Fluorene in sample Feb1618.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:03:47 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1618.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:03:49 AM	Zero out primary peak of compound Acenaphthene in sample Feb1618.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:03:51 AM	Zero out primary peak of compound Chrysene in sample Feb1618.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:03:53 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb1618.D			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	2/17/2022 9:04:10 AM	Manually integrate compound Fluorene in sample Feb1619.D, from x, y = 8.649, 82 to 8.698, 100, result = 169; previous integration is from x, y = 8.929, 81 to 9.047, 84 and previous response = 22266.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:04:11 AM	Drop baseline for compound Fluorene in sample Feb1619.D to y = 82, new integration is from x, y = 8.649, 82 to 8.698, 82 and new response = 196; previous integration is from x, y = 8.649, 82 to 8.698, 100 and previous response = 169.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:04:12 AM	Zero out primary peak of compound Fluorene in sample Feb1619.D			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	2/17/2022 9:04:18 AM	Manually integrate compound Benzo(a)pyrene in sample Feb1619.D, from x, y = 18.277, 62 to 18.363, 79, result = 214; previous integration is from x, y = 18.376, 67 to 18.512, 69 and previous response = 2853.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:04:19 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb1619.D to y = 62, new integration is from x, y = 18.277, 62 to 18.363, 62 and new response = 258; previous integration is from x, y = 18.277, 62 to 18.363, 79 and previous response = 214.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:04:20 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1619.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:04:27 AM	Zero out primary peak of compound Acenaphthene in sample Feb1619.D			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:04:34 AM	Manually integrate qualifier115.0 of compound 1-Methylnaphthalene in sample Feb1619.D from x, y = 6.877, 247 to 6.927, 270; result = 564			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:04:35 AM	Drop baseline for qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1619.D to y = 247, new integration is from x, y = 6.877, 247 to 6.927, 247 and new response = 598; previous integration is from x, y = 6.877, 247 to 6.927, 270 and previous response = 564.			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	2/17/2022 9:04:47 AM	Manually integrate compound Chrysene in sample Feb1619.D, from x, y = 14.702, 288 to 14.801, 420, result = -1027; previous integration is from x, y = 14.597, 65 to 14.702, 69 and previous response = 3368.			✓	
CmdManuallyIntegrateS napBaseline	BL2000\jheine	2/17/2022 9:04:49 AM	Snap baseline for compound Chrysene in sample Feb1619.D, from x = 14.702 to x = 14.801, new integration is from x, y = 14.702, 190 to 14.801, 93 and new response = 242; previous integration is from x, y = 14.702, 288 to 14.801, 420 and previous response = -1027.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:04:50 AM	Drop baseline for compound Chrysene in sample Feb1619.D to y = 93, new integration is from x, y = 14.702, 93 to 14.801, 93 and new response = 532; previous integration is from x, y = 14.702, 190 to 14.801, 93 and previous response = 242.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:04:54 AM	Zero out primary peak of compound Chrysene in sample Feb1619.D			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:04:59 AM	Manually integrate qualifier 129.0 of compound Naphthalene in sample Feb1619.D, from x, y = 5.941, 196 to 5.992, 159, result = 137; previous integration is from x, y = 5.916, 156 to 5.992, 159 and previous response = 269.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:05:01 AM	Drop baseline for qualifier 129.0 of compound Naphthalene in sample Feb1619.D to y = 159, new integration is from x, y = 5.941, 159 to 5.992, 159 and new response = 194; previous integration is from x, y = 5.941, 196 to 5.992, 159 and previous response = 137.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:05:03 AM	Zero out primary peak of compound Naphthalene in sample Feb1619.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:05:06 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb1619.D			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 9:05:34 AM	Snap baseline for qualifier 115.0 of compound 2-Methylnaphthalene in sample Feb1620.D from x = 6.753 to x = 6.815, new integration is from x, y = 6.753, 6591 to 6.815, 3469 and new response = 30407; previous integration is from x, y = 6.753, 538 to 6.815, 538 and previous response = 47239.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 9:05:35 AM	Drop baseline for qualifier 115.0 of compound 2-Methylnaphthalene in sample Feb1620.D to y = 3469, new integration is from x, y = 6.753, 3469 to 6.815, 3469 and new response = 36256; previous integration is from x, y = 6.753, 6591 to 6.815, 3469 and previous response = 30407.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 9:05:49 AM	Manually integrate compound 1-Methylnaphthalene in sample Feb1620.D, from x, y = 6.753, 1126 to 6.840, 5964, result = 44507; previous integration is from x, y = 6.753, 1126 to 6.840, 1126 and previous response = 57193.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 9:05:52 AM	Manually integrate compound 1-Methylnaphthalene in sample Feb1620.D, from x, y = 6.840, 9048 to 6.902, 13421, result = 4977; previous integration is from x, y = 6.753, 1126 to 6.840, 5964 and previous response = 44507.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 9:05:53 AM	Snap baseline for compound 1-Methylnaphthalene in sample Feb1620.D, from x = 6.840 to x = 6.902, new integration is from x, y = 6.840, 1908 to 6.902, 5005 and new response = 34122; previous integration is from x, y = 6.840, 9048 to 6.902, 13421 and previous response = 4977.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 9:05:54 AM	Drop baseline for compound 1-Methylnaphthalene in sample Feb1620.D to y = 1908, new integration is from x, y = 6.840, 1908 to 6.902, 1908 and new response = 39924; previous integration is from x, y = 6.840, 1908 to 6.902, 5005 and previous response = 34122.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:05:59 AM	Manually integrate qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb1620.D, from x, y = 6.840, 629 to 6.915, 6904, result = 30159; previous integration is from x, y = 6.840, 629 to 6.952, 676 and previous response = 47173.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:06:00 AM	Drop baseline for qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb1620.D to y = 629, new integration is from x, y = 6.840, 629 to 6.915, 629 and new response = 44264; previous integration is from x, y = 6.840, 629 to 6.915, 6904 and previous response = 30159.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:06:05 AM	Manually integrate qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1620.D, from x, y = 6.877, 3905 to 6.915, 4798, result = 25598; previous integration is from x, y = 6.815, 538 to 7.052, 538 and previous response = 158332.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:06:09 AM	Manually integrate qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1620.D, from x, y = 6.865, 4686 to 6.915, 4798, result = 29495; previous integration is from x, y = 6.877, 3905 to 6.915, 4798 and previous response = 25598.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:06:11 AM	Drop baseline for qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1620.D to y = 4686, new integration is from x, y = 6.865, 4686 to 6.915, 4686 and new response = 29663; previous integration is from x, y = 6.865, 4686 to 6.915, 4798 and previous response = 29495.			✓	
CmdManuallyIntegrateSplit	BL2000\jheine	2/17/2022 9:06:23 AM	Split peak for compound Fluoranthene in sample Feb1620.D and keep left peak, new integration is from x, y = 11.361, 554.107091577234 to 11.473, 564.894507822162 and new response = 79466, previous integration is from x, y = 11.361, 554 to 11.547, 572 and previous response = 81399.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 9:06:33 AM	Manually integrate compound Naphthalene in sample Feb1620.D, from x, y = 5.904, 545 to 5.966, 2040, result = 26215; previous integration is from x, y = 5.904, 545 to 5.991, 545 and previous response = 32881.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:06:35 AM	Drop baseline for compound Naphthalene in sample Feb1620.D to y = 545, new integration is from x, y = 5.904, 545 to 5.966, 545 and new response = 28993; previous integration is from x, y = 5.904, 545 to 5.966, 2040 and previous response = 26215.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:06:39 AM	Manually integrate qualifier 129.0 of compound Naphthalene in sample Feb1620.D, from x, y = 5.911, 935 to 5.966, 1232, result = 12652; previous integration is from x, y = 5.911, 935 to 5.990, 1260 and previous response = 14351.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:06:41 AM	Drop baseline for qualifier 129.0 of compound Naphthalene in sample Feb1620.D to y = 935, new integration is from x, y = 5.911, 935 to 5.966, 935 and new response = 13136; previous integration is from x, y = 5.911, 935 to 5.966, 1232 and previous response = 12652.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:06:45 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1620.D, from x, y = 5.941, 3363 to 5.966, 355, result = 2037; previous integration is from x, y = 5.906, 985 to 5.982, 985 and previous response = 8502.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:06:47 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb1620.D to y = 355, new integration is from x, y = 5.941, 355 to 5.966, 355 and new response = 4290; previous integration is from x, y = 5.941, 3363 to 5.966, 355 and previous response = 2037.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:07:08 AM	Manually integrate qualifier 253.0 of compound Benzo(a)pyrene in sample Feb1620.D, from x, y = 18.265, 661 to 18.351, 671, result = 2944; previous integration is from x, y = 18.240, 338 to 18.388, 342 and previous response = 5739.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:07:09 AM	Drop baseline for qualifier 253.0 of compound Benzo(a)pyrene in sample Feb1620.D to y = 661, new integration is from x, y = 18.265, 661 to 18.351, 661 and new response = 2970; previous integration is from x, y = 18.265, 661 to 18.351, 671 and previous response = 2944.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 9:07:18 AM	Manually integrate compound Acenaphthene in sample Feb1620.D, from x, y = 8.014, 2142 to 8.050, 4623, result = 3184; previous integration is from x, y = 8.014, 2142 to 8.100, 2142 and previous response = 15254.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:07:19 AM	Drop baseline for compound Acenaphthene in sample Feb1620.D to y = 2142, new integration is from x, y = 8.014, 2142 to 8.050, 2142 and new response = 5928; previous integration is from x, y = 8.014, 2142 to 8.050, 4623 and previous response = 3184.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:07:23 AM	Manually integrate qualifier 152.0 of compound Acenaphthene in sample Feb1620.D, from x, y = 8.007, 2726 to 8.050, 3354, result = 6494; previous integration is from x, y = 8.007, 2726 to 8.100, 2726 and previous response = 11923.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:07:24 AM	Drop baseline for qualifier 152.0 of compound Acenaphthene in sample Feb1620.D to y = 2726, new integration is from x, y = 8.007, 2726 to 8.050, 2726 and new response = 7292; previous integration is from x, y = 8.007, 2726 to 8.050, 3354 and previous response = 6494.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:07:29 AM	Manually integrate qualifier 153.0 of compound Acenaphthene in sample Feb1620.D, from x, y = 8.010, 2942 to 8.050, 4754, result = 6554; previous integration is from x, y = 8.010, 2942 to 8.075, 2942 and previous response = 9756.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:07:31 AM	Drop baseline for qualifier 153.0 of compound Acenaphthene in sample Feb1620.D to y = 2942, new integration is from x, y = 8.010, 2942 to 8.050, 2942 and new response = 8743; previous integration is from x, y = 8.010, 2942 to 8.050, 4754 and previous response = 6554.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 9:07:45 AM	Manually integrate compound Indeno(1,2,3-cd)pyrene in sample Feb1620.D, from x, y = 20.106, 217 to 20.217, 1341, result = 5151; previous integration is from x, y = 20.106, 217 to 20.254, 222 and previous response = 9780.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:07:46 AM	Drop baseline for compound Indeno(1,2,3-cd)pyrene in sample Feb1620.D to y = 217, new integration is from x, y = 20.106, 217 to 20.217, 217 and new response = 8901; previous integration is from x, y = 20.106, 217 to 20.217, 1341 and previous response = 5151.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:07:52 AM	Manually integrate qualifier 138.0 of compound Indeno(1,2,3-cd)pyrene in sample Feb1620.D, from x, y = 20.106, 656 to 20.192, 1065, result = 1041; previous integration is from x, y = 20.106, 656 to 20.266, 651 and previous response = 2667.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:07:53 AM	Drop baseline for qualifier 138.0 of compound Indeno(1,2,3-cd)pyrene in sample Feb1620.D to y = 656, new integration is from x, y = 20.106, 656 to 20.192, 656 and new response = 2101; previous integration is from x, y = 20.106, 656 to 20.192, 1065 and previous response = 1041.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:08:02 AM	Manually integrate qualifier 167.0 of compound Fluorene in sample Feb1620.D, from x, y = 8.661, 1954 to 8.698, 1428, result = 3036; previous integration is from x, y = 8.636, 1428 to 8.698, 1428 and previous response = 4990.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:08:04 AM	Drop baseline for qualifier 167.0 of compound Fluorene in sample Feb1620.D to y = 1428, new integration is from x, y = 8.661, 1428 to 8.698, 1428 and new response = 3625; previous integration is from x, y = 8.661, 1954 to 8.698, 1428 and previous response = 3036.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:08:18 AM	Manually integrate qualifier176.0 of compound Anthracene in sample Feb1620.D from x, y = 9.978, 1579 to 10.040, 710; result = 0			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:08:23 AM	Manually integrate qualifier176.0 of compound Anthracene in sample Feb1620.D from x, y = 9.830, 721 to 9.892, 1754; result = 106			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:08:24 AM	Drop baseline for qualifier 176.0 of compound Anthracene in sample Feb1620.D to y = 721, new integration is from x, y = 9.830, 721 to 9.892, 721 and new response = 2020; previous integration is from x, y = 9.830, 721 to 9.892, 1754 and previous response = 106.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/17/2022 9:09:00 AM	Manually integrate qualifier 139.0 of compound Dibenzo(a,h)anthracene in sample Feb1620.D, from x, y = 20.205, 939 to 20.279, 937, result = 467; previous integration is from x, y = 20.093, 908 to 20.316, 907 and previous response = 1075.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 9:09:02 AM	Drop baseline for qualifier 139.0 of compound Dibenzo(a,h)anthracene in sample Feb1620.D to y = 937, new integration is from x, y = 20.205, 937 to 20.279, 937 and new response = 472; previous integration is from x, y = 20.205, 939 to 20.279, 937 and previous response = 467.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 9:09:11 AM	Manually integrate compound o-Terphenyl in sample Feb1620.D from x, y = 10.262, 242 to 10.312, 242; result = 324			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:09:13 AM	Zero out primary peak of compound o-Terphenyl in sample Feb1620.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:09:23 AM	Zero out primary peak of compound Fluorene in sample Feb1621.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 9:09:37 AM	Manually integrate compound Benzo(a)pyrene in sample Feb1621.D, from x, y = 18.289, 112 to 18.339, 326, result = -364; previous integration is from x, y = 18.376, 73 to 18.499, 75 and previous response = 2521.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/17/2022 9:09:38 AM	Snap baseline for compound Benzo(a)pyrene in sample Feb1621.D, from x = 18.289 to x = 18.339, new integration is from x, y = 18.289, 78 to 18.339, 75 and new response = 58; previous integration is from x, y = 18.289, 112 to 18.339, 326 and previous response = -364.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 9:09:38 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb1621.D to y = 75, new integration is from x, y = 18.289, 75 to 18.339, 75 and new response = 63; previous integration is from x, y = 18.289, 78 to 18.339, 75 and previous response = 58.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:09:41 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1621.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 9:10:02 AM	Manually integrate compound Acenaphthene in sample Feb1621.D, from x, y = 8.025, 170 to 8.075, 110, result = 84; previous integration is from x, y = 7.975, 112 to 8.075, 110 and previous response = 2815.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:10:04 AM	Drop baseline for compound Acenaphthene in sample Feb1621.D to y = 110, new integration is from x, y = 8.025, 110 to 8.075, 110 and new response = 174; previous integration is from x, y = 8.025, 170 to 8.075, 110 and previous response = 84.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:10:05 AM	Zero out primary peak of compound Acenaphthene in sample Feb1621.D			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	2/17/2022 9:10:11 AM	Manually integrate compound Chrysene in sample Feb1621.D, from x, y = 14.701, 125 to 14.813, 62, result = 205; previous integration is from x, y = 14.589, 62 to 14.813, 62 and previous response = 3367.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:10:12 AM	Drop baseline for compound Chrysene in sample Feb1621.D to y = 62, new integration is from x, y = 14.701, 62 to 14.813, 62 and new response = 418; previous integration is from x, y = 14.701, 125 to 14.813, 62 and previous response = 205.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:10:14 AM	Zero out primary peak of compound Chrysene in sample Feb1621.D			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	2/17/2022 9:10:23 AM	Manually integrate compound Benzo(a)Anthracene in sample Feb1621.D, from x, y = 14.589, 62 to 14.701, 90, result = 2856; previous integration is from x, y = 14.589, 62 to 14.813, 62 and previous response = 3367.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:10:24 AM	Drop baseline for compound Benzo(a)Anthracene in sample Feb1621.D to y = 62, new integration is from x, y = 14.589, 62 to 14.701, 62 and new response = 2950; previous integration is from x, y = 14.589, 62 to 14.701, 90 and previous response = 2856.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:10:26 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb1621.D			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:10:45 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1622.D, from x, y = 5.941, 1710 to 6.041, 95, result = 4239; previous integration is from x, y = 5.857, 94 to 6.041, 95 and previous response = 15769.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 9:10:46 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb1622.D to y = 95, new integration is from x, y = 5.941, 95 to 6.041, 95 and new response = 9081; previous integration is from x, y = 5.941, 1710 to 6.041, 95 and previous response = 4239.			✓	
CmdManuallyIntegrateSplit	BL2000\jheine	2/17/2022 9:10:52 AM	Split peak for compound 2-Methylnaphthalene in sample Feb1622.D and keep left peak, new integration is from x, y = 6.753, 111.730681818182 to 6.865, 111.730681818182 and new response = 54965, previous integration is from x, y = 6.753, 112 to 7.040, 112 and previous response = 109474.			✓	
CmdManuallyIntegrateSplit	BL2000\jheine	2/17/2022 9:10:58 AM	Split peak for compound 1-Methylnaphthalene in sample Feb1622.D and keep right peak, new integration is from x, y = 6.865, 111.730681818182 to 7.040, 111.730681818182 and new response = 54509, previous integration is from x, y = 6.753, 112 to 7.040, 112 and previous response = 109474.			✓	
CmdManuallyIntegrateSplit	BL2000\jheine	2/17/2022 9:11:02 AM	Split peak for compound 1-Methylnaphthalene in sample Feb1622.D and keep left peak, new integration is from x, y = 6.865, 111.730681818182 to 6.952, 111.730681818182 and new response = 52027, previous integration is from x, y = 6.865, 112 to 7.040, 112 and previous response = 54509.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 9:11:05 AM	Set UserAnnotation = CO for compound 1-Methylnaphthalene in sample Feb1622.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 9:11:09 AM	Set UserAnnotation = CO for compound 2-Methylnaphthalene in sample Feb1622.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 9:11:19 AM	Manually integrate compound Acenaphthene in sample Feb1622.D, from x, y = 8.001, 9435 to 8.125, 114, result = 35011; previous integration is from x, y = 7.976, 104 to 8.125, 114 and previous response = 71513.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 9:11:23 AM	Manually integrate compound Acenaphthene in sample Feb1622.D, from x, y = 8.013, 14926 to 8.125, 114, result = 19029; previous integration is from x, y = 8.001, 9435 to 8.125, 114 and previous response = 35011.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 9:11:25 AM	Drop baseline for compound Acenaphthene in sample Feb1622.D to y = 114, new integration is from x, y = 8.013, 114 to 8.125, 114 and new response = 68871; previous integration is from x, y = 8.013, 14926 to 8.125, 114 and previous response = 19029.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/17/2022 9:11:26 AM	Set UserAnnotation = RT for compound Acenaphthene in sample Feb1622.D; previous value =			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:12:05 AM	Zero out primary peak of compound Fluorene in sample Feb1623.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:12:19 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1623.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:12:28 AM	Zero out primary peak of compound Acenaphthene in sample Feb1623.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 9:12:33 AM	Manually integrate compound Chrysene in sample Feb1623.D, from x, y = 14.702, 390 to 14.814, 59, result = -684; previous integration is from x, y = 14.590, 57 to 14.814, 59 and previous response = 3454.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 9:12:34 AM	Drop baseline for compound Chrysene in sample Feb1623.D to y = 59, new integration is from x, y = 14.702, 59 to 14.814, 59 and new response = 428; previous integration is from x, y = 14.702, 390 to 14.814, 59 and previous response = -684.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:12:36 AM	Zero out primary peak of compound Chrysene in sample Feb1623.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/17/2022 9:12:44 AM	Manually integrate compound Benzo(a)Anthracene in sample Feb1623.D, from x, y = 14.590, 57 to 14.702, 379, result = 1954; previous integration is from x, y = 14.590, 57 to 14.814, 59 and previous response = 3454.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/17/2022 9:12:46 AM	Drop baseline for compound Benzo(a)Anthracene in sample Feb1623.D to y = 57, new integration is from x, y = 14.590, 57 to 14.702, 57 and new response = 3027; previous integration is from x, y = 14.590, 57 to 14.702, 379 and previous response = 1954.			✓	
CmdZeroOutPeak	BL2000\jheine	2/17/2022 9:12:47 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb1623.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/17/2022 9:13:05 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1624.D, from x, y = 5.941, 799 to 6.103, 93, result = 1783; previous integration is from x, y = 5.895, 93 to 6.103, 93 and previous response = 10836.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/17/2022 9:13:07 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb1624.D to y = 93, new integration is from x, y = 5.941, 93 to 6.103, 93 and new response = 5222; previous integration is from x, y = 5.941, 799 to 6.103, 93 and previous response = 1783.			✓	
CmdSaveBatchTable	BL2000\jheine	2/17/2022 9:13:57 AM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin			✓	
CmdOpenBatchTable	BL2000\jheine	2/17/2022 9:51:55 AM	Open batch \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\021622 bna SIM 1.batch.bin			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:02 AM	Set SampleApproved = True for sample Feb1601.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:04 AM	Set SampleApproved = True for sample Feb1602.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:07 AM	Set SampleApproved = True for sample Feb1603.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:08 AM	Set SampleApproved = True for sample Feb1604.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:09 AM	Set SampleApproved = True for sample Feb1605.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:11 AM	Set SampleApproved = True for sample Feb1607.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:13 AM	Set SampleApproved = True for sample Feb1608.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:14 AM	Set SampleApproved = True for sample Feb1606.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:16 AM	Set SampleApproved = True for sample Feb1609.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:17 AM	Set SampleApproved = True for sample Feb1610.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:19 AM	Set SampleApproved = True for sample Feb1611.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:20 AM	Set SampleApproved = True for sample Feb1612.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:22 AM	Set SampleApproved = True for sample Feb1613.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:23 AM	Set SampleApproved = True for sample Feb1614.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:24 AM	Set SampleApproved = True for sample Feb1615.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:25 AM	Set SampleApproved = True for sample Feb1616.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:36 AM	Set SampleApproved = True for sample Feb1617.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:37 AM	Set SampleApproved = True for sample Feb1618.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:39 AM	Set SampleApproved = True for sample Feb1619.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:40 AM	Set SampleApproved = True for sample Feb1620.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:41 AM	Set SampleApproved = True for sample Feb1621.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:42 AM	Set SampleApproved = True for sample Feb1622.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:43 AM	Set SampleApproved = True for sample Feb1623.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/17/2022 9:52:44 AM	Set SampleApproved = True for sample Feb1624.D; previous value = False			✓	
CmdSaveBatchTable	BL2000\jheine	2/17/2022 10:25:19 AM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdOpenBatchTable	BL2000\jheine	2/17/2022 11:09:17 AM	Open batch \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\021622 bna SIM 1.batch.bin			✓	
CmdQuantitate	BL2000\jheine	2/17/2022 11:11:04 AM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\jheine	2/17/2022 11:14:26 AM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\QuantResults\021622 bna SIM 1.batch.bin			✓	
GenerateReport	BL2000\jheine	2/17/2022 11:17:16 AM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\Gen_Calibration.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\QuantReports\			✓	
GenerateReport	BL2000\jheine	2/17/2022 11:18:44 AM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\init_cal_rpt.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\QuantReports\			✓	
GenerateReport	BL2000\jheine	2/17/2022 11:21:26 AM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\Gen_ResultsSummary.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\QuantReports\			✓	
GenerateReport	BL2000\jheine	2/17/2022 11:32:22 AM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\Env_QuantResults_wGraphics+Chromatogram.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 021622\1 e8270c bna SIM\QuantReports\			✓	

Prep Batch 163724 Standards Traceability Report

Spike ID: sv83514
Spike Name: Additionals
Prep Date: 9/22/2021
Exp Date: 10/1/2022
Department: GCMSPR
Vendor: AccuStandard
Lot Number: 22002155-02
Balance ID:
Comments: 12x1mL ampules

Type: Primary
Prep By: Ryan F. Benge
Status: Open
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Custom Semi-Volatile Standard	14279	1	mL	10/1/2022

Stock Source	Base Units	Amount Added

Prep Batch 163724 Standards Traceability Report

Spike ID: sv83604
Spike Name: BN Surr
Prep Date: 10/25/2021
Exp Date: 7/31/2027
Department: GCMSPR
Vendor: Restek
Lot Number: A0175748
Balance ID:
Comments: 6 ampules

Type: Primary
Prep By: Ryan F. Benge
Status: New
Final Volume: 5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
B/N Surrogate Mix (4/89 SOW)	14431	5	mL	7/31/2027

Stock Source	Base Units	Amount Added

Prep Batch 163724 Standards Traceability Report

Spike ID: sv83608
Spike Name: 625 LCS
Prep Date: 11/29/2021
Exp Date: 9/15/2026
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 20x1 mL ampule

Type: Secondary
Prep By: Ryan F. Benge
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
CLP Semi-volatile calibration standard	14546		mL	9/15/2026

Stock Source	Base Units	Amount Added

Prep Batch 163724 Standards Traceability Report

Spike ID: sv83609
Spike Name: AE Surrogate
Prep Date: 11/29/2021
Exp Date: 3/6/2023
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 5x1 mL ampule

Type: Secondary
Prep By: Ryan F. Benge
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acid Surrogate	14527		mL	3/6/2023

Stock Source	Base Units	Amount Added

Prep Batch 163724 Standards Traceability Report

Spike ID: sv92706
Spike Name: BNA Surr
Prep Date: 12/22/2021
Exp Date: 3/31/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 2000/1000ug/mL

Type: Tertiary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ963	13755	17.5	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv83609	ug/mL	2.5 mL
sv83604	ug/mL	5 mL

Prep Batch 163724 Standards Traceability Report

Spike ID: sv92717
Spike Name: LL BNA Surr
Prep Date: 1/14/2022
Exp Date: 3/31/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 100/50 ug/mL

Type: Tertiary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 4 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ963	13755	3.8	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv92706	ug/mL	0.2 mL

Prep Batch 163724 Standards Traceability Report

Spike ID: sv92807
Spike Name: AE Surrogate
Prep Date: 2/3/2022
Exp Date: 3/6/2023
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 5x1 mL ampule

Type: Secondary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acid Surrogate	14587		mL	3/6/2023

Stock Source	Base Units	Amount Added

Prep Batch 163724 Standards Traceability Report

Spike ID: sv92809
Spike Name: LCS/Add Extractions
Prep Date: 2/7/2022
Exp Date: 7/22/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 100ug/mL. Spike 1mL into water.

Type: Secondary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ509	13553	21.25	mL	7/22/2022

Stock Source	Base Units	Amount Added
sv83514	ug/mL	1.25 mL
sv83608	ug/mL	2.5 mL

Prep Batch 163724 Standards Traceability Report

Spike ID: sv92811
Spike Name: BNA Surr
Prep Date: 2/7/2022
Exp Date: 7/22/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 2000/1000ug/mL

Type: Tertiary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ509	13553	17.5	mL	7/22/2022

Stock Source	Base Units	Amount Added
sv92807	ug/mL	2.5 mL
sv83604	ug/mL	5 mL

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: S-14500-R2
Description: Custom Semi-Volatile Standard
Lot: 220021255-02
Solvent: Dichloromethane
Hazards: *Refer to SDS for complete safety information*

Signal Word: Warning

Date Certified: Aug 31, 2021
Expiration: Oct 1, 2022
Sample Size: 1 mL
Components: 10
Storage Condition: Freeze (<-10 °C)/Sonicate

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463

ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (µg/mL)	Certified Analyte Concentration¹ (µg/mL)
Pyridine	110-86-1	98.7	2026	2000
4-Chlorophenol	106-48-9	100.0	2019	2019
1-Methylnaphthalene	90-12-0	98.5	2003	1973
N-Nitrosodiphenylamine	86-30-6	100.0	2022	2022
4-Chloro-2-methylphenol	1570-64-5	97.0	2069*	2007
Benzoic acid	65-85-0	99.5	2010	2000
Aniline	62-53-3	98.0	2002	1962
Benzyl alcohol	100-51-6	99.9	2011	2009
Triallate	2303-17-5	99.9	2013	2011
o-Terphenyl	84-15-1	99.9	2019	2017

ID #: 14279
Opened:
Custom Semi-Volatile Standard
Expires: 10/1/2022
Rec'd: 9/16/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

This Certified Reference Material was verified in accordance with ISO/IEC 17025

* Weight compensated to 100% purity.

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

 See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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. : 31086 **Lot No.:** A0175748

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

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

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

ID #: 14431
Opened:
B/N Surrogate Mix (4/89 SOW)
Expires: 7/31/2027
Rec'd: 10/25/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 **Purity** 99% (Lot PR-29940A)	5,027.3 µg/mL	+/- 29.2293 µg/mL +/- 226.4341 µg/mL +/- 251.2566 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 **Purity** 99% (Lot 00019169)	5,001.1 µg/mL	+/- 29.0767 µg/mL +/- 225.2518 µg/mL +/- 249.9447 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 **Purity** 99% (Lot PR-30504)	5,001.4 µg/mL	+/- 29.0787 µg/mL +/- 225.2668 µg/mL +/- 249.9613 µg/mL	Gravimetric Unstressed Stressed

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

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

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

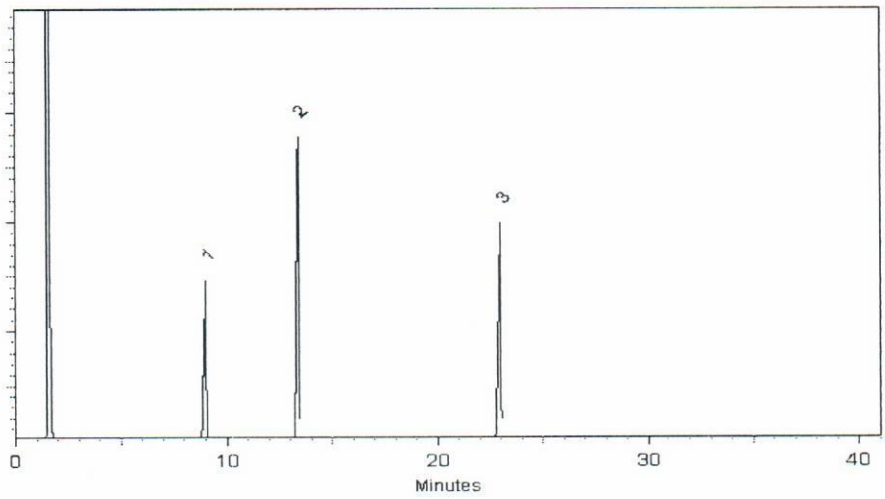
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°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 - Operations Tech I

Date Mixed: 25-Aug-2021 **Balance:** B345965662

Marline Cowan - Operations Tech I

Date Passed: 27-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/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:

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

  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.

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: CLP-AS-10X
Description: Acid Surrogate
Lot: 220031065
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Mar 6, 2020
Expiration: Mar 6, 2023
Sample Size: 1 mL
Components: 3
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (mg/mL)	Certified Analyte Concentration[1] (mg/mL)
2-Fluorophenol	367-12-4	99.8	20.20	20.16
Phenol-d5	4165-62-2	99.9	20.05	20.03
2,4,6-Tribromophenol	118-79-6	99.9	20.19	20.17

ID #: 14527
Opened:
Acid Surrogate
Expires: 3/6/2023
Rec'd: 11/17/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

CERTIFIED WEIGHT REPORT

Part Number: 92180
Lot Number: 091521
Description: CLP Semi-Volatile Calibration Standard
64 components
Expiration Date: 091526
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent: Methylene chloride **Lot#** 104929

Formulated By: Prashant Chauhan 091521 DATE

Reviewed By: Pedro L. Rentas 091521 DATE

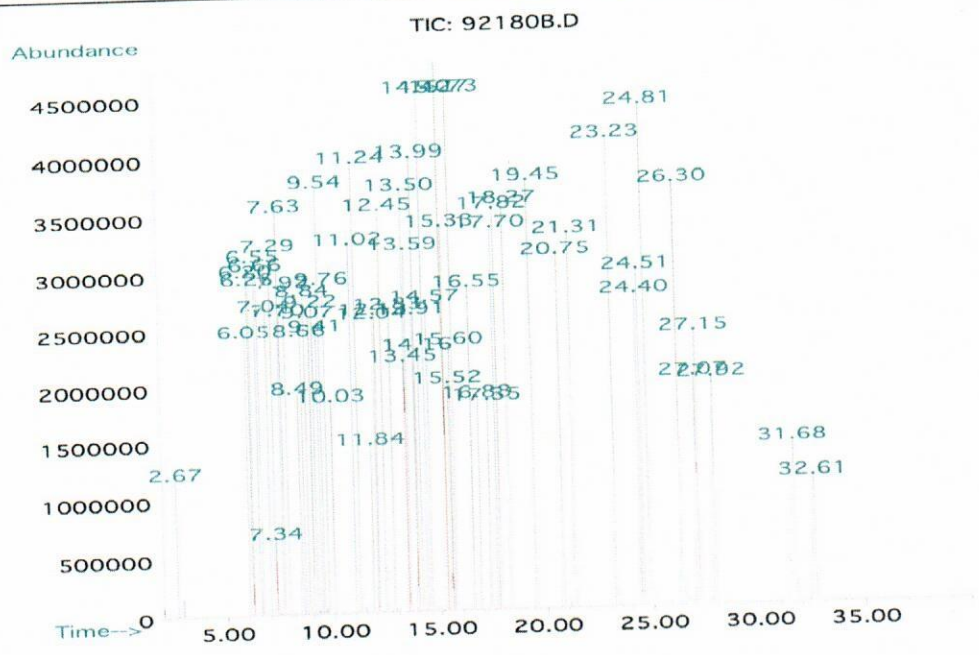
Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.003 Flask Uncertainty

Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc (ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2,2'-Oxybis(1-chloropropane)	(0078)	012016AR	NA	NA	NA	1000	98.9	0.2	NA	0.10112	0.10129	1001.7	4.2	108-60-1	N/A	orl-rat 240mg/kg
2. Hexachlorobenzene	(0195)	051697	NA	NA	NA	1000	99	0.2	NA	0.10102	0.10128	1002.6	4.2	118-74-1	N/A	orl-rat 10g/kg
3. bis(2-Chloroethoxy) methane	10111	011214	0.05	5.00	20018.4	1000	NA	NA	0.017	NA	NA	1000.8	8.0	111-91-1	N/A	N/A
4. bis(2-Chloroethyl) ether	10111	011214	0.05	5.00	20012.4	1000	NA	NA	0.017	NA	NA	1000.5	8.0	111-44-4	15 ppm (90mg/m3/8H)(skin)	orl-rat 75mg/kg
5. bis(2-Ethylhexyl) phthalate	10111	011214	0.05	5.00	20014.3	1000	NA	NA	0.017	NA	NA	1000.6	8.0	117-81-7	5mg/m3/8H	orl-rat 30600mg/kg
6. 4-Bromophenyl phenyl ether	10111	011214	0.05	5.00	20008.8	1000	NA	NA	0.017	NA	NA	1000.3	8.0	101-55-3	N/A	N/A
7. Benzyl butyl phthalate	10111	011214	0.05	5.00	20011.3	1000	NA	NA	0.017	NA	NA	1000.5	8.0	85-68-7	N/A	orl-rat 2330mg/kg
8. 4-Chlorophenyl phenyl ether	10111	011214	0.05	5.00	20009.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	7005-72-3	N/A	N/A
9. Diethyl phthalate	10111	011214	0.05	5.00	20013.6	1000	NA	NA	0.017	NA	NA	1000.6	8.0	84-66-2	5mg/m3/8H	orl-rat 8600mg/kg
10. Dimethyl phthalate	10111	011214	0.05	5.00	20015.7	1000	NA	NA	0.017	NA	NA	1000.7	8.0	131-11-3	5mg/m3/8H	orl-rat 6800mg/kg
11. Di-n-butyl phthalate	10111	011214	0.05	5.00	20011.6	1000	NA	NA	0.017	NA	NA	1000.5	8.0	84-74-2	5mg/m3/8H	orl-rat 8000mg/kg
12. Di-n-octyl phthalate	10111	011214	0.05	5.00	20012.2	1000	NA	NA	0.017	NA	NA	1000.5	8.0	117-84-0	N/A	orl-rat 47000mg/kg
13. N-Nitrosodimethylamine	10111	011214	0.05	5.00	20010.0	1000	NA	NA	0.017	NA	NA	1000.4	8.0	62-75-9	N/A	orl-rat 58mg/kg
14. N-Nitrosodi-n-propylamine	10111	011214	0.05	5.00	20010.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	621-64-7	N/A	orl-rat 480mg/kg
15. 1,2-Diphenylhydrazine (as Azobenzene)	10112	042820	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.1	103-33-3	N/A	orl-rat 1000mg/kg
16. 2-Chloronaphthalene	10112	042820	0.05	5.00	20002.3	1000	NA	NA	0.017	NA	NA	1000.0	8.0	91-58-7	N/A	orl-rat 2078mg/kg
17. 1,2-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
18. 1,3-Dichlorobenzene	10112	042820	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	541-73-1	N/A	ipr-mus 1062mg/kg
19. 1,4-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
20. 2,4-Dinitrotoluene	10112	042820	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	121-14-2	1.5mg/m3/8H (skin)	orl-rat 268mg/kg
21. 2,6-Dinitrotoluene	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	606-20-2	1.5mg/m3/8H (skin)	orl-rat 177mg/kg
22. Hexachloro-1,3-butadiene	10112	042820	0.05	5.00	20009.4	1000	NA	NA	0.017	NA	NA	1000.4	12.4	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
23. Hexachlorocyclopentadiene	10112	042820	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	77-47-4	0.01 ppm (0.1mg/m3/8H)	orl-rat 1300mg/kg
24. Hexachloroethane	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
25. Isophorone	10112	042820	0.05	5.00	20003.8	1000	NA	NA	0.017	NA	NA	1000.1	8.1	78-59-1	25 ppm	orl-rat 2330mg/kg
26. Nitrobenzene	10112	042820	0.05	5.00	20004.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
27. 1,2,4-Trichlorobenzene	10112	042820	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
28. o-Cresol (2-Methylphenol)	10114	081919	0.05	5.00	20010.2	1000	NA	NA	0.017	NA	NA	1000.4	8.0	95-48-7	5 ppm (22mg/m3/8H)(skin)	orl-rat 121mg/kg
29. p-Cresol (4-Methylphenol)	10114	081919	0.05	5.00	20061.2	1000	NA	NA	0.017	NA	NA	1003.0	8.0	106-44-5	5 ppm (22mg/m3/8H)(skin)	orl-rat 207mg/kg
30. 2,4,5-Trichlorophenol	10114	081919	0.05	5.00	20023.2	1000	NA	NA	0.017	NA	NA	1001.1	8.0	95-95-4	N/A	orl-rat 820mg/kg
31. 4-Chloroaniline	10115	060512	0.05	5.00	20009.6	1000	NA	NA	0.017	NA	NA	1000.4	8.0	106-47-8	N/A	orl-rat 310mg/kg
32. Dibenzofuran	10115	060512	0.05	5.00	20020.2	1000	NA	NA	0.017	NA	NA	1000.9	8.0	132-64-9	N/A	N/A
33. 2-Methylnaphthalene	10115	060512	0.05	5.00	20012.9	1000	NA	NA	0.017	NA	NA	1000.5	8.1	91-57-6	N/A	orl-rat 1630mg/kg
34. 2-Nitroaniline	10115	060512	0.05	5.00	20011.8	1000	NA	NA	0.017	NA	NA	1000.5	8.0	88-74-4	N/A	orl-rat 1600mg/kg
35. 3-Nitroaniline	10115	060512	0.05	5.00	20018.6	1000	NA	NA	0.017	NA	NA	1000.8	8.0	99-09-2	N/A	orl-rat 535mg/kg
36. 4-Nitroaniline	10115	060512	0.05	5.00	20014.9	1000	NA	NA	0.017	NA	NA	1000.6	8.0	100-01-6	1 ppm (6mg/m3/8H)(skin)	orl-rat 750mg/kg
37. 4-Chloro-3-methylphenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	59-50-7	N/A	orl-rat 1830mg/kg
38. 2-Chlorophenol	10118	072120	0.05	5.00	20002.9	1000	NA	NA	0.017	NA	NA	1000.0	8.0	95-57-8	N/A	orl-rat 670mg/kg
39. 2,4-Dichlorophenol	10118	072120	0.05	5.00	20003.1	1000	NA	NA	0.017	NA	NA	1000.1	8.0	120-83-2	N/A	orl-rat 580mg/kg
40. 2,4-Dimethylphenol	10118	072120	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	105-67-9	N/A	orl-rat 3200mg/kg
41. 2,4-Dinitrophenol	10118	072120	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	51-28-5	N/A	orl-rat 30mg/kg
42. 4,6-Dinitro-2-methylphenol	10118	072120	0.05	5.00	20002.5	1000	NA	NA	0.017	NA	NA	1000.0	8.0	534-52-1	N/A	N/A
43. 2-Nitrophenol	10118	072120	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-75-5	N/A	orl-rat 334mg/kg
44. 4-Nitrophenol	10118	072120	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	100-02-7	N/A	orl-rat 250mg/kg
45. Pentachlorophenol	10118	072120	0.05	5.00	20002.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg
46. Phenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	108-95-2	5 ppm (19mg/m3/8H)(skin)	orl-rat 317mg/kg
47. 2,4,6-Trichlorophenol	10118	072120	0.05	5.00	20004.2	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-06-2	N/A	orl-rat 820mg/kg
48. Acenaphthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	83-32-9	N/A	ipr-rat 600mg/kg
49. Acenaphthylene	10007	042420	0.50	50.00	2000.2	1000	NA	NA	0.018	NA	NA	1000.0	4.2	208-96-8	N/A	N/A
50. Anthracene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.1	120-12-7	0.2mg/m3 (8H)	ipr-mus 430mg/kg
51. Benzo(a)anthracene	10007	042420	0.50	50.00	2001.3	1000	NA	NA	0.018	NA	NA	1000.6	4.2	56-55-3	N/A	N/A
52. Benzo(a)pyrene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	50-32-8	0.2mg/m3 (8H)	scu-rat 50mg/kg
53. Benzo(b)fluoranthene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	205-99-2	N/A	N/A
54. Benzo(k)fluoranthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	207-08-9	N/A	N/A
55. Benzo(g,h,i)perylene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	191-24-2	N/A	N/A
56. Carbazole	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.0	4.2	86-74-8	N/A	ipr-mus 200mg/kg
57. Chrysene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.3	4.2	218-01-9	0.2mg/m3	N/A
58. Dibenzo(a,h)anthracene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.3	4.2	53-70-3	0.2mg/m3	N/A
59. Fluoranthene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.2	206-44-0	N/A	orl-rat 2000mg/kg
60. Fluorene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.3	4.2	86-73-7	N/A	ipr-mus 2 g/kg
61. Indeno(1,2,3-cd)pyrene	10007	042420	0.50	50.00	2000.1	1000	NA	NA	0.018	NA	NA	1000.0	4.1	193-39-5	N/A	N/A
62. Naphthalene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
63. Phenanthrene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	85-01-8	0.2mg/m3/8H	orl-mus 700mg/kg
64. Pyrene	10007	042420	0.50	50.00	2001.0	1000	NA	NA	0.018	NA	NA	1000.4	4.2	129-00-0	0.2mg/m3/8H	orl-rat 2700mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

ID #: 14546
Opened:
CLP Semi-volatile calibration standard
Expires: 9/15/2026
Rec'd: 11/23/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Method GC8MSD-2.M: Column:SBB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14 min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 290°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Melissa Stonier.



Peak No	Name	MSD RT (min.)
1	N-nitrosodimethylamine	2.67
2	Phenol	6.05
3	bis(2-Chloroethyl)ether	6.20
4	2-Chlorophenol	6.26
5	1,3-Dichlorobenzene	6.55
6	1,4-Dichlorobenzene	6.63
7	1,2-Dichlorobenzene	7.04
8	n-Cresol (2-methylphenol)	7.29
9	bis(2-Chloroisopropyl)ether	7.34
10	p-Cresol (4-methylphenol)/N-nitrosodi-n-propylamine	7.63
11	Hexachloroethane	7.70
12	Nitrobenzene	7.92
13	Isophorone	8.49
14	2-Nitrophenol	8.66
15	2,4-Dimethylphenol	8.84
16	bis(2-Chloroethoxy)methane	9.07
17	2,4-Dichlorophenol	9.22
18	1,2,4-Trichlorobenzene	9.41
19	Naphthalene	9.54
20	4-Chloroaniline	9.76
21	Hexachloro-1,3-butadiene	10.03
22	4-Chloro-3-methylphenol	11.02
23	2-Methylnaphthalene	11.24
24	Hexachlorocyclopentadiene	11.84
25	2,4,6-Trichlorophenol	12.04
26	2,4,5-Trichlorophenol	12.13
27	2-Chloronaphthalene	12.45
28	2-Nitroaniline	12.84
29	Dimethyl phthalate	13.45
30	Acenaphthylene	13.50
31	2,6-Dinitrotoluene	13.59
32	3-Nitroaniline	13.91
33	Acenaphthene	13.99
34	2,4-Dinitrophenol	14.16
35	Dibenzofuran/4-Nitrophenol	14.40
36	2,4-Dinitrotoluene	14.57
37	Diethyl phthalate/Fluorene	15.27
38	4-Chlorophenyl phenyl ether	15.33
39	4-Nitroaniline	15.52
40	4,6-Dinitro-2-methylphenol	15.60
41	Azobenzene	15.73
42	4-Bromophenyl phenyl ether	16.56
43	Hexachlorobenzene	16.89
44	Pentachlorophenol	13.35
45	Phenanthrene	17.70
46	Anthracene	17.82
47	Carbazole	18.27
48	Di-n-butyl phthalate	19.45
49	Fluoranthene	20.75
50	Pyrene	21.31
51	Benzyl butyl phthalate	23.23
52	Benzo(a)anthracene	24.40
53	Chrysene	24.51
54	bis(2-Ehtylhexyl)phthalate	24.82
55	Di-n-octyl phthalate	26.30
56	Benzo(b)fluoranthene	27.07
57	Benzo(k)fluoranthene	27.15
58	Benzo(a)pyrene	27.92
59	Indeno(1,2,3-cd)pyrene/Dibenzo(a,h)anthracene	31.68
60	Benzo(g,h,i)perylene	32.61

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv100418
Spike Name: BNA mix 200 ug/mL
Prep Date: 6/2/2021
Exp Date: 3/31/2022
Department: GCMSSEMI
Vendor:
Lot Number:
Balance ID:
Comments:

Type: Secondary
Prep By: John P. Heine
Status: New
Final Volume: 1.5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	0.51	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv82908	ug/mL	0.03 mL
sv83301	ug/mL	0.15 mL
sv83120	ug/mL	0.15 mL
sv83419	ug/mL	0.15 mL
sv82917	ug/mL	0.15 mL
sv83410	ug/mL	0.15 mL
sv83407	ug/mL	0.06 mL
sv83201	ug/mL	0.15 mL

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv100506
Spike Name: BNA low 50 ug/mL
Prep Date: 6/2/2021
Exp Date: 3/31/2022
Department: GCMSSEMI
Vendor:
Lot Number:
Balance ID:
Comments:

Type: Secondary
Prep By: John P. Heine
Status: New
Final Volume: 0.8 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	0.6	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv100418	ug/mL	0.2 mL

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv100703
Spike Name: BNA Internals 2000 ug/mL
Prep Date: 12/9/2021
Exp Date: 5/31/2022
Department: GCMSSEMI
Vendor: Chemservice
Lot Number: 8443500
Balance ID:
Comments:

Type: Secondary
Prep By: John P. Heine
Status: New
Final Volume: 2.12 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	1.06	mL	5/31/2022

Stock Source	Base Units	Amount Added
sv83403	ug/mL	1.06 mL

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv100801
Spike Name: BNA 2nd source 200ug/mL
Prep Date: 1/17/2022
Exp Date: 10/1/2022
Department: GCMSSEMI
Vendor:
Lot Number:
Balance ID:
Comments:

Type: Secondary
Prep By: John P. Heine
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	540	uL	10/1/2022

Stock Source	Base Units	Amount Added
sv83514	ug/mL	0.1 mL
sv82702	ug/mL	0.02 mL
sv83218	ug/mL	0.1 mL
sv83512	ug/mL	0.2 mL
sv83411	ug/mL	0.04 mL

Analytical RunID SV5975.I_220207A Standards Traceability Report

Standard ID: sv82702
Standard Name: AE Surr
Prep Date: 8/28/2018
Exp Date: 4/30/2023
Department: GCMSPR
Vendor: Restek
Lot Number: A0137474
Balance ID:
Comments:

Type: Primary
Prep By: Craig A. Bardelli
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acid Surrogate Standard Mix (4/89)	10707	1	mL	4/30/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv82908
Spike Name: AE surr
Prep Date: 4/10/2019
Exp Date: 3/31/2022
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC2239
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
EPA 8270 Acids Surrogate Spike Mix HC	11383		mL	3/31/2022

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv82917
Spike Name: BNA Custom for Cal
Prep Date: 6/3/2019
Exp Date: 5/28/2023
Department: GCMSSEMI
Vendor: AccuStandard
Lot Number: 219051432
Balance ID:
Comments: Date prepaired is date received (10 1mL ampules) - recert from 6/21/21 to 5/28/23

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Custom BNA Mix	11547	1	mL	5/28/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83120
Spike Name: BN mix
Prep Date: 3/12/2020
Exp Date: 1/31/2023
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC4915
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
TCL Base-Neutrals Mix	12503	1	mL	1/31/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83201
Spike Name: Phenols mix
Prep Date: 3/17/2020
Exp Date: 1/31/2028
Department: GCMSSEMI
Vendor: Restek
Lot Number: A0157111
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
604 Phenols Calibration Mix	12512		mL	1/31/2028

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83218
Spike Name: Benzidines
Prep Date: 7/7/2020
Exp Date: 5/1/2024
Department: GCMSSEMI
Vendor: AccuStandard
Lot Number: 220041353
Balance ID:
Comments: 2000 ug/mL 12839

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Benzidine & 3,3'-Dichlorobenzidine	12839	1	mL	5/1/2024

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83301
Spike Name: PAH Mix
Prep Date: 7/13/2020
Exp Date: 9/30/2022
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC3877
Balance ID:
Comments: 4 x 1mlL

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 6 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
TCL PAH Mix	12846	6	mL	9/30/2022

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83403
Spike Name: BNA Internals 4000ug/mL
Prep Date: 12/29/2020
Exp Date: 5/31/2022
Department: GCMSSEMI
Vendor: Chemservice
Lot Number: 10051700
Balance ID:
Comments:

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 8 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Mixture #8-Internal Standards	13372	8	mL	5/31/2022

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Standard ID: sv83407
Standard Name: BN Surr 5000 ug/mL
Prep Date: 12/14/2020
Exp Date: 10/31/2026
Department: GCMSSEMI
Vendor: Restek
Lot Number: A0166081
Balance ID:
Comments:

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
B/N Surrogate Mix (4/89 SOW)	13328	1	mL	10/31/2026

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83410
Spike Name: H.S. Mix
Prep Date: 4/7/2021
Exp Date: 2/28/2024
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC9004
Balance ID:
Comments: 2000 ug/mL

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
EPA TCL Hazardous Substances Mix (12 cmpds)	13691		mL	2/28/2024

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83411
Spike Name: BN surr
Prep Date: 4/7/2021
Exp Date: 11/20/2026
Department: GCMSSEMI
Vendor: Restek
Lot Number: A6167670
Balance ID:
Comments: 5000 ug/mL

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
B/N Surrogate Mix (4/89 SOW)	13666		mL	11/20/2026

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83419
Spike Name: Benzidines CAL 2000ug/mL
Prep Date: 5/18/2021
Exp Date: 4/30/2023
Department: GCMSSEMI
Vendor: Agilent
Lot Number: 0006592783
Balance ID:
Comments: 2000 ug/mL

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Benzidines Standard	13854	1	mL	4/30/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83512
Spike Name: 625 LCS Spk
Prep Date: 7/30/2021
Exp Date: 2/2/2026
Department: GCMSPR
Vendor: Absolute Standards
Lot Number: 020221
Balance ID:
Comments: 12x1mL ampules

Type: Primary
Prep By: Ryan F. Benge
Status: Open
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
CLP Semivolatile Calibration Standard	14074	1	mL	2/2/2026

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83514
Spike Name: Additionals
Prep Date: 9/22/2021
Exp Date: 10/1/2022
Department: GCMSPR
Vendor: AccuStandard
Lot Number: 22002155-02
Balance ID:
Comments: 12x1mL ampules

Type: Primary
Prep By: Ryan F. Benge
Status: Open
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Custom Semi-Volatile Standard	14279	1	mL	10/1/2022

Stock Source	Base Units	Amount Added

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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. : 31063 **Lot No.:** A0137474

Description : Acid Surrogate Standard Mix (4/89)

Acid Surrogate Standard Mix (4/89) 10,000 µg/mL, Methanol, 1mL/ampul

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

Expiration Date : April 30, 2023 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol		10,046.4 µg/mL	+/- 58.8239	µg/mL	Gravimetric
	CAS # 367-12-4	(Lot STBD7945V)		+/- 293.2702	µg/mL	Unstressed
	Purity 99%			+/- 355.8400	µg/mL	Stressed
2	Phenol-d6		10,023.6 µg/mL	+/- 58.6904	µg/mL	Gravimetric
	CAS # 13127-88-3	(Lot PR-27801)		+/- 292.6047	µg/mL	Unstressed
	Purity 99%			+/- 355.0324	µg/mL	Stressed
3	2,4,6-Tribromophenol		10,057.2 µg/mL	+/- 58.8871	µg/mL	Gravimetric
	CAS # 118-79-6	(Lot 29699MJV)		+/- 293.5855	µg/mL	Unstressed
	Purity 99%			+/- 356.2225	µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

ID #: 10707
Opened:
Acid Surrogate Standard Mix (4/89)
Expires: 4/30/2023
Rec'd: 8/24/2018
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

Certificate of Analysis

EPA 8270 ACIDS SURROGATE SPIKE MIX HC,1X1ML,10MG/ML,METHANOL

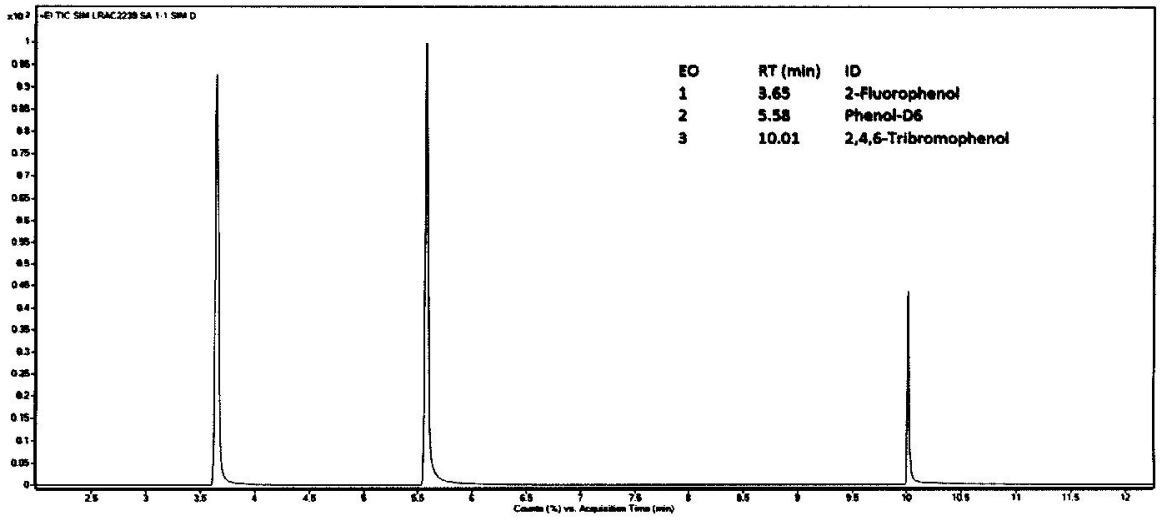
Certified Reference Material

Description

Product ID 47260-U
Lot **LRAC2239**
Expiration Date March 2022
Manufacturing Date March 2019
Storage Conditions Room Temperature
Solvent/Matrix METHANOL

Certified Values

Analyte	*Units*	*Certified Value* [1,4]	*Raw Material Purity,%*	*Analytical Value*	*Elution order*	*Raw Material Lot*	*CAS*
2-FLUOROPHENOL	µg/mL	9930 ± 288	99.9	10037	1	LB92543	367-12-4
PHENOL-D6	µg/mL	9930 ± 290	99.4	9900	2	LB91168	13127-88-3
2,4,6-TRIBROMOPHENOL	µg/mL	9930 ± 318	99.7	9900	3	LB81262	118-79-6



Additional Information:

Analytical Method Parameters:

Column: SLB-5MS, 30 m x 0.25 mm x 0.25 µm df , Flow: 1.0 ml/min
Inlet: 200 °C, Injection Mode: Split, 60:1
80 °C (5 min) to 250 °C (3 min) at 40 °C /min
Detector: MSD, SIM, Transfer line: 250 °C
Injection Volume: 0.5 µL

ID #: 11383
Opened:_____
EPA 8270 Acids Surrogate Spike Mix HC
Expires: 3/31/2022
Rec'd: 4/10/2019
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ANAB ACCREDITED TESTING LABORATORY

SIGMA-ALDRICH®
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
307-742-5452
rtctechgroup@sial.com www.sigma-aldrich.com

125 Market Street
New Haven, CT 06513
USA

AccuStandard® Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: S-6237A-R1
Description: Custom BNA Mix
Lot: 219051432-01
Solvent: Dichloromethane
Hazards: *Refer to SDS for complete safety information*

Signal Word: Warning

Date Certified: Apr 28, 2021
Expiration: May 28, 2023
Sample Size: 1 mL
Components: 6
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
4-Chloro-2-methylphenol	1570-64-5	97.0	2064*	2002
4-Chlorophenol	106-48-9	98.6	2012	1984
1-Methylnaphthalene	90-12-0	99.7	2016	2010
Pyridine	110-86-1	98.7	2003	1977
o-Terphenyl	84-15-1	99.9	2003	2001
Triallate	2303-17-5	99.9	2013	2011

ID #: 11547
Opened:
Custom BNA Mix
Expires: 5/28/2023
Rec'd: 5/31/2019
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

* Weight compensated to 100% purity.

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

Certificate of Analysis

TCL BASE-NEUTRALS MIX,1X1ML,2000UG/ML,DICHLOROMETHANE

Certified Reference Material

Description

Product ID 47991-U
Lot LRAC4915
Expiration Date January 2023
Manufacturing Date January 2020
Storage Conditions Refrigerate
Solvent/Matrix DICHLOROMETHANE

Certified Values

Analyte	Certified Value [1,4]	Units	Raw Material Purity,%	Elution order	Raw Material Lot	CAS
N-NITROSODIMETHYLAMINE	1999 ± 39	µg/mL	98.1	1	11-RFS-142-1	62-75-9
BIS (2-CHLOROETHYL) ETHER	2003 ± 42	µg/mL	99.4	2	06413MS	111-44-4
1,3-DICHLOROBENZENE	2001 ± 47	µg/mL	99.6	3	11221HC	541-73-1
1,4-DICHLOROBENZENE	2000 ± 66	µg/mL	99.9	4	MKBG7690V	106-46-7
1,2-DICHLOROBENZENE	2005 ± 65	µg/mL	99.4	5	LB58923	95-50-1
BIS (2-CHLOROISOPROPYL) ETHER	2000 ± 45	µg/mL	96.7	6	LC19632	108-60-1
N-NITROSODI-N-PROPYLAMINE	2001 ± 36	µg/mL	100.0	7	2D5VJ-PB	621-64-7
HEXACHLOROETHANE	2000 ± 125	µg/mL	99.9	8	12719AO	67-72-1
NITROBENZENE	2000 ± 53	µg/mL	99.9	9	LB47070	98-95-3
ISOPHORONE	1999 ± 34	µg/mL	99.5	10	LC14006	78-59-1
BIS (2-CHLOROETHOXY) METHANE	2000 ± 33	µg/mL	98.7	11	LB46081	111-91-1
1,2,4-TRICHLOROBENZENE	2003 ± 91	µg/mL	99.9	12	447	120-82-1
HEXACHLOROBUTADIENE	1999 ± 97	µg/mL	97.2	13	MKCG6212	87-68-3
HEXACHLOROCYCLOPENTADIENE	2001 ± 111	µg/mL	96.0	14	LB95525	77-47-4
2-CHLORONAPHTHALENE	2000 ± 120	µg/mL	99.9	15	LC11403	91-58-7
DIMETHYL PHTHALATE	2006 ± 44	µg/mL	99.9	16	LB30494	131-11-3
2,6-DINITROTOLUENE	2000 ± 91	µg/mL	99.2	17	11231AN	606-20-2
2,4-DINITROTOLUENE	2000 ± 71	µg/mL	98.9	18	12316HF	121-14-2
DIETHYL PHTHALATE	1998 ± 51	µg/mL	99.9	19	207	84-66-2
4-CHLOROPHENYLPHENYL ETHER	2006 ± 52	µg/mL	99.3	20	JS00081	7005-72-3
N-NITROSODIPHENYLAMINE	2000 ± 72	µg/mL	95.5	21	LC07185	86-30-6
AZOBENZENE	2000 ± 48	µg/mL	98.2	22	BCBS6535V	103-33-3
4-BROMOPHENYLPHENYL ETHER	2006 ± 48	µg/mL	99.0	23	05916LS	101-55-3

ID #: 12503
Opened:
TCL Base-Neutrals Mix
Expires: 1/31/2023
Rec'd: 3/12/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
800-325-5832
TechService@millipore sigma.com www.sigma-aldrich.com

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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. : 31029 **Lot No.:** A0157111

Description : 604 Phenols Calibration Mix

604 Calibration Std Phenols 2000µg/mL, Methanol, 1mL/ampul

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

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

ID #: 12512
Opened:
604 Phenols Calibration Mix
Expires: 1/31/2028
Rec'd: 3/17/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)	
1	Phenol **CAS #** 108-95-2 (Lot SHBF9719V) **Purity** 99%	2,004.0 µg/mL	+/- 11.9032 µg/mL +/- 58.5341 µg/mL +/- 71.0092 µg/mL	Gravimetric Unstressed Stressed
2	2-Chlorophenol **CAS #** 95-57-8 (Lot STBH7290) **Purity** 99%	2,000.0 µg/mL	+/- 11.8794 µg/mL +/- 58.4173 µg/mL +/- 70.8674 µg/mL	Gravimetric Unstressed Stressed
3	2-Nitrophenol **CAS #** 88-75-5 (Lot BCBH7602V) **Purity** 99%	2,000.0 µg/mL	+/- 11.8794 µg/mL +/- 58.4173 µg/mL +/- 70.8674 µg/mL	Gravimetric Unstressed Stressed
4	2,4-Dimethylphenol **CAS #** 105-67-9 (Lot 10165155) **Purity** 99%	2,000.0 µg/mL	+/- 11.8794 µg/mL +/- 58.4173 µg/mL +/- 70.8674 µg/mL	Gravimetric Unstressed Stressed
5	2,4-Dichlorophenol **CAS #** 120-83-2 (Lot BCBJ8113V) **Purity** 99%	2,004.0 µg/mL	+/- 11.9032 µg/mL +/- 58.5341 µg/mL +/- 71.0092 µg/mL	Gravimetric Unstressed Stressed
6	4-Chloro-3-methylphenol **CAS #** 59-50-7 (Lot STBC7309V) **Purity** 99%	2,004.0 µg/mL	+/- 11.9032 µg/mL +/- 58.5341 µg/mL +/- 71.0092 µg/mL	Gravimetric Unstressed Stressed
7	2,4,6-Trichlorophenol **CAS #** 88-06-2 (Lot STBH7520) **Purity** 99%	2,002.0 µg/mL	+/- 11.8913 µg/mL +/- 58.4757 µg/mL +/- 70.9383 µg/mL	Gravimetric Unstressed Stressed

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED INTERMEDIATE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (µg/mL)	Certified Analyte Concentration¹ (µg/mL)
Benzidine **	92-87-5	99.9	2004	2002
3,3'-Dichlorobenzidine **	91-94-1	100.0	2001	2001

ID #: 12839
Opened:_____
Benzidine & 3,3'-Dichlorobenzidine
Expires: 5/1/2024
Rec'd: 7/7/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

**Benzidine and 3,3'-Dichlorobenzidine are subject to oxidative degradation

**Benzidine and 3,3'-Dichlorobenzidine are subject to oxidative degredation

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Certified By: _____
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015

QR-ORG/INO-001
Rev. 5/18

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol

Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2

T-TEST

AccuStandard, Inc.
Statistical Report for CLP (SOW 1991)
1-May-2020

QR-QCO-003 rev. 1/16

Peak #	Component	Z-014F 220041353 Run #1	Run #2	Run #3	Run #4	Mean	Std Dev	% RSD	Z-014F 220031213 Run #1	Run #2	Run #3	Run #4	Mean	Std Dev	% RSD	NOTES: L-025 test	CI 220041353	Component	CI	# of Runs	10 % error check of Conc. means
1	Benzidine (92-87-5)	90	83	79	78	83	5.45	6.60%	84	84	80	76	81	3.83	4.73%	0.45	20.7		21.3	4	2000	2 %
2	3,3'-Dichlorobenzidine (91-94-1)	104	96	93	91	96	5.72	5.95%	98	99	94	89	95	4.27	4.51%	0.55	20.9		15.8	4	2000	1 %

For use in routine laboratory analysis.

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol

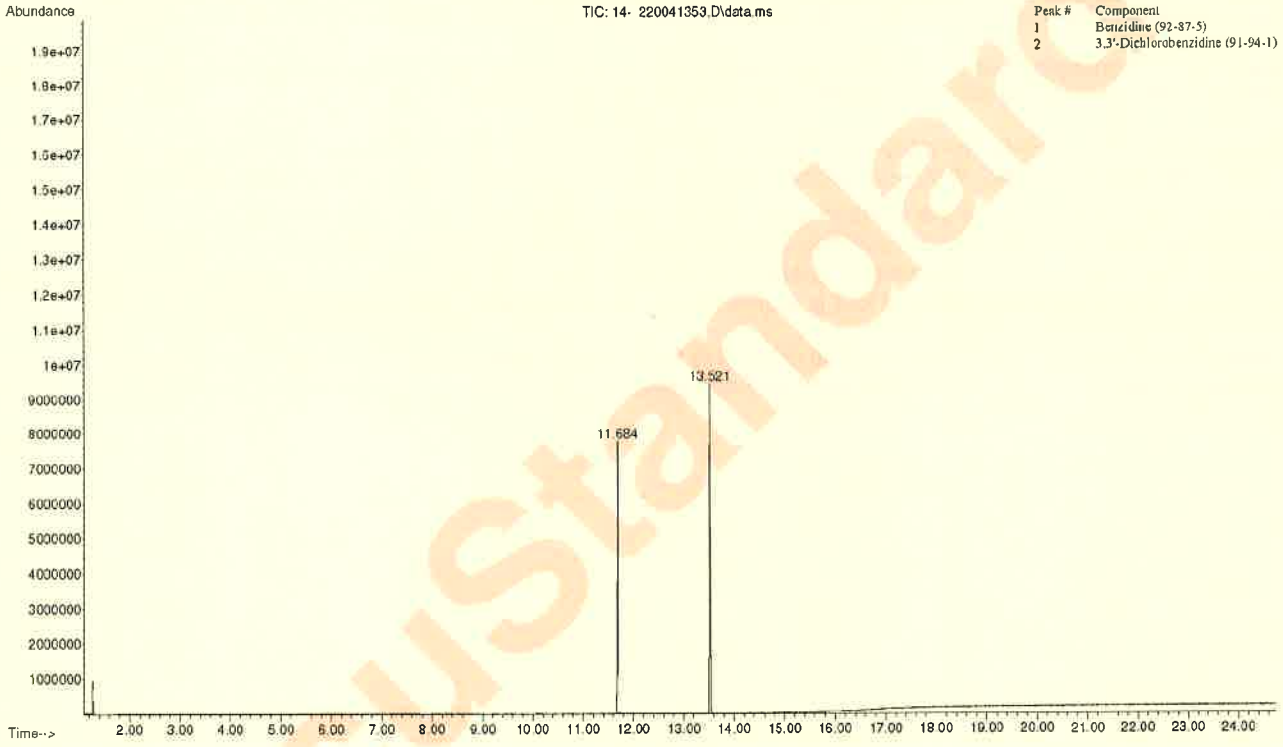
Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2

Chromatogram

```
File       :D:\MassHunter\GCMS\1\DATA\043020\14-  220041353.D
Operator   : Organic QC Lab
Acquired   : 30 Apr 2020  17:16     using AcqMethod CHICK_2019_S100.M
Instrument :   GCMS 6
Sample Name: Z-014F  (220041353)
Misc Info  : Z-014F @2000ug/mL in Methanol
Vial Number: 138
```

AccuStandard®
Leader in Analytical Reference Standards

Column: . DB-5MS, 30m, 0.25 ID, 0.25 um
Oven Program: 80c 17c/min to 340c, 8min
GC Parameters: Cons. Split, 12psi constant flow
Split 100:1, 1uL inj.; GC/MS; INJ 270c



Peak #	Component
1	Benzidine (92-87-5)
2	3,3'-Dichlorobenzidine (91-94-1)

For use in routine laboratory analysis.

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol

Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2

RAW DATA

```
Data Path : D:\MassHunter\GCMS\1\DATA\043020\
Data File : 14-  220041353.D
Acq On    : 30 Apr 20  05:16 pm
Operator  : Organic QC Lab
Sample    : Z-014F  (220041353)
Misc      : Z-014F @2000ug/mL in Methanol
ALS Vial  : 138   Sample Multiplier: 1

Integration Parameters: events.e
Integrator: ChemStation

Method    : D:\MassHunter\GCMS\1\methods\CHICK_2019.M
Title     :

Signal     : TIC: 14-  220041353.D\data.ms
```

Peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	11.684	2371	2386	2399	PV	7555441	90932217	86.94%	46.506%
2	13.521	2790	2799	2825	BB	9071921	104594086	100.00%	53.494%

For use in routine laboratory analysis.

Certificate of Analysis

TCL PAH
MIX,1X1ML,2000UG/ML,BENZENE:DICHLOROMETHANE

Certified Reference Material

Description

Product ID CRM48905
Lot **LRAC3877**
Expiration Date September 2022
Manufacturing Date September 2019
Storage Conditions Refrigerate
Solvent/Matrix methylene chloride: benzene (1:1)

Certified Values

Analyte	*Certified Value* [1,4]	*Units*	*Raw Material Purity,%*	*Analytical Value* [6]	*Elution order*	*Raw Material Lot*	*CAS*
NAPHTHALENE	2000 ± 32	µg/mL	100.0	2022	01	01112017-5	91-20-
ACENAPHTHYLENE	2000 ± 66	µg/mL	99.8	2005	02	LC21494	208-96-
ACENAPHTHENE	2000 ± 63	µg/mL	99.9	2031	03	MKCC8329	83-32-
FLUORENE	2000 ± 90	µg/mL	99.4	2009	04	LC19126	86-73-
PHENANTHRENE	2000 ± 56	µg/mL	99.6	2043	05	MKCD3760	85-01-
ANTHRACENE	2000 ± 39	µg/mL	99.9	2005	06	LC14310	120-12-
FLUORANTHENE	2000 ± 69	µg/mL	98.5	2031	07	LB99099	206-44-
PYRENE	2000 ± 68	µg/mL	91.6	2078	08	LB70761	129-00-
BENZO (A) ANTHRACENE	2000 ± 63	µg/mL	99.9	2002	09	LC19271	56-55-
CHRYSENE	2000 ± 59	µg/mL	99.0	2026	10	21L74	218-01-
BENZO (B) FLUORANTHENE	2000 ± 62	µg/mL	99.5	1998	11	LB95773	205-99-
BENZO (K) FLUORANTHENE	2000 ± 62	µg/mL	99.9	2043	12	0000029501	207-08-
BENZO(A)PYRENE	2002 ± 64	µg/mL	99.6	2037	13	LB73826	50-32-
DIBENZ (A,H) ANTHRACENE	2000 ± 64	µg/mL	99.0	2050	14	0012014	53-70-
BENZO (G,H,I) PERYLENE	2000 ± 67	µg/mL	98.5	2059	15	LC19498	191-24-
INDENO (1,2,3-CD) PYRENE	2000 ± 64	µg/mL	99.5	1995	16	ER082107-02	193-39-

ID #: 12846
Opened:
TCL PAH
Expires: 9/30/2022
Rec'd: 7/13/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

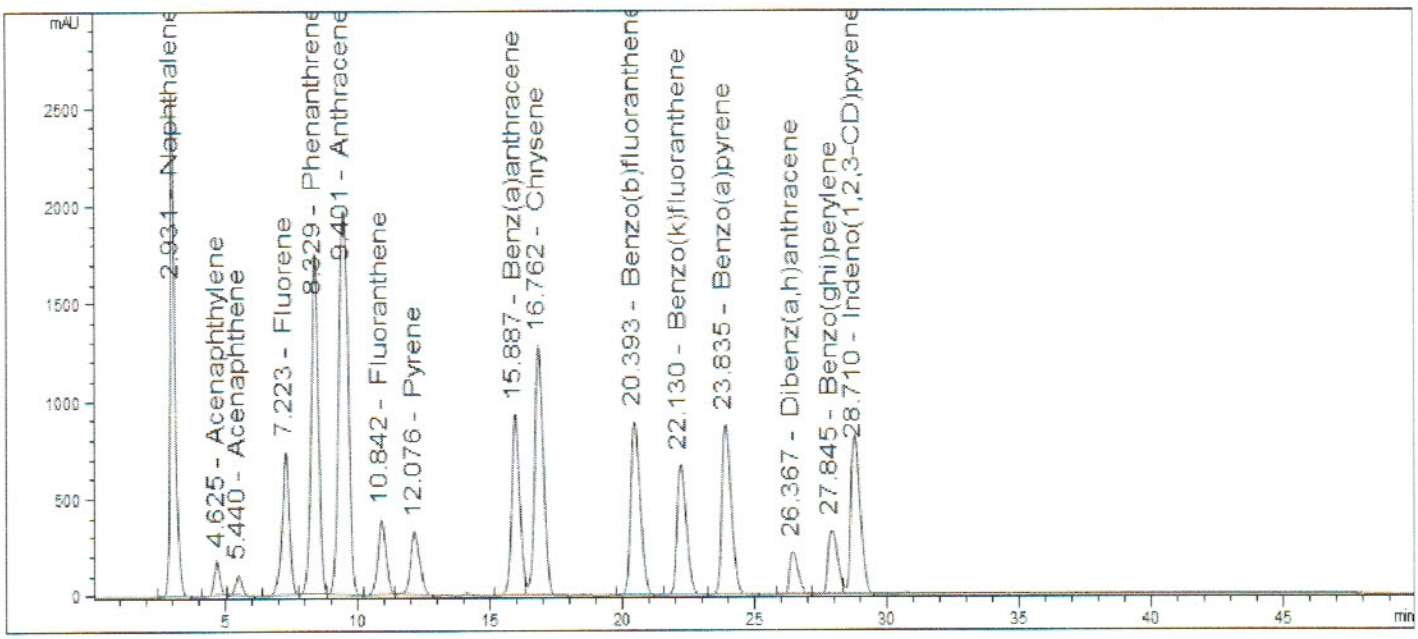
ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
307-742-5452
rtctechgroup@sial.com
www.sigma-aldrich.com

Description

Lot	**LRAC3877**
Expiration Date	September 2022
Manufacturing Date	September 2019
Storage Conditions	Refrigerate
Solvent/Matrix	methylene chloride: benzene (1:1)

Informational Values



Additional Information:

Analytical Method Parameters:
Column: Supelco LC-PAH, 250 mm x 4.6mm, 5µm particle size
Mobile Phase A: Water
Mobile Phase B: Acetonitrile
Detector: UV/DAD/VWD, Wavelength: 254 nm
Flow Rate: 1.7 mL/min
Column Temperature: 30 °C
Injection Volume: 2 µL

Gradient

TIME (min)	A%	B%
0	40	60
5	40	60
30	0	100
45	0	100
50	40	60

Certificate of Analysis

TCL PAH
MIX,1X1ML,2000UG/ML,BENZENE:DICHLOROMETHANE

Certified Reference Material

Description

Product ID CRM48905
Lot **LRAC3877**
Expiration Date September 2022
Manufacturing Date September 2019
Storage Conditions Refrigerate
Solvent/Matrix methylene chloride: benzene (1:1)

1 **Metrological traceability:** Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.
4 Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u^2_{char} + u^2_{homogeneity} + u^2_{stability}}$$

k: Coverage factor derived from a t-distribution table, based on the degrees of freedom of the data set. Assume 2.0 for a **Confidence interval** = 95%

6 Analytical Value- For QC verification of the certified value only- not to be used in calculations. Represents the analytical data obtained by comparison to a standard as analyzed by the method described in the CoA or another acceptable method. The result may differ from the certified value and UCRM based on method uncertainty as well as the uncertainty associated with the standard used for comparison.

Traceability: The standard was manufactured under an ISO/IEC 17025:2017 certified quality system. The balance used to weigh raw materials is accurate to +/- 0.0001g and calibrated regularly using mass standards traceable to NIST. All dilutions were preformed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Homogeneity: Homogeneity was assessed in accordance with ISO 17034:2016. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared using a one-way analysis of variance approach as described by TNI EL-V3-2009 Appendix A.2. See Instructions for minimum sub-sample size.

Expiration is at end of month given on certificate and label.

THIS PRODUCT WAS DESIGNED, PRODUCED AND VERIFIED FOR ACCURACY AND STABILITY IN ACCORDANCE WITH **ISO/IEC 17025:2017 (ANAB Cert AT-1467)** and **ISO 17034:2016 (ANAB Cert AR-1470).**

MSDS reports for components comprising greater than 1.0% of the solution or 0.1% for components known to be carcinogens are available upon request.

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Certification Date October 17, 2019
Version 0-10172019

ANAB ACCREDITED AR-1470 REFERENCE MATERIAL PRODUCER
ANAB ACCREDITED AT-1467 TESTING LABORATORY

SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
307-742-5452
rtctechgroup@sial.com www.sigma-aldrich.com

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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. : 31086 **Lot No.:** A0166081

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

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

Expiration Date : October 31, 2026 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

ID #: 13328
Opened:
B/N Surrogate Mix (4/89 SOW)
Expires: 10/31/2026
Rec'd: 12/14/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 **Purity** 99% (Lot PR-29940B)	5,017.7 µg/mL	+/- 29.1731 µg/mL +/- 225.9987 µg/mL +/- 250.7735 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 **Purity** 99% (Lot 00019169)	5,049.7 µg/mL	+/- 29.3592 µg/mL +/- 227.4400 µg/mL +/- 252.3728 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 **Purity** 99% (Lot PR-27278)	5,029.9 µg/mL	+/- 29.2444 µg/mL +/- 226.5505 µg/mL +/- 251.3857 µg/mL	Gravimetric Unstressed Stressed

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

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

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

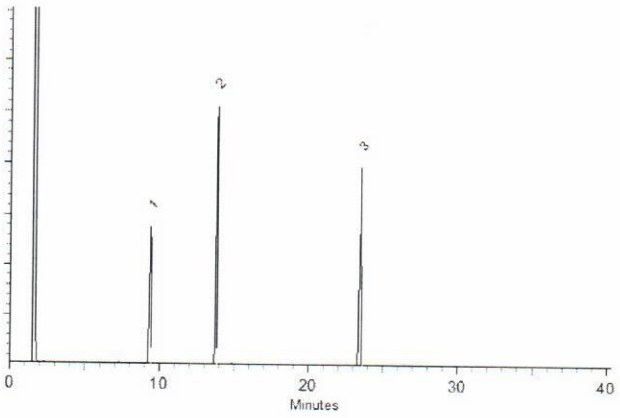
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°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.

Dalton Stover - Operations Technician I

Date Mixed: 04-Nov-2020 **Balance:** 1128353505

Justine Albertson - Operations Tech-ARM QC

Date Passed: 06-Nov-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:

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

  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.

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

ID #: 13372
Opened:
Mixture #8-Internal Standards
Expires: 5/31/2022
Rec'd: 12/29/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

CERTIFICATE OF ANALYSIS

Mixture #8-Internal Standards

CONCENTRATION	4000ug/ml in Methylene chloride
CATALOG NUMBER	M-PPHC8X12-1ML
LOT NUMBER	10051700
DATE CERTIFIED	05/13/20
EXPIRATION DATE	05/31/22
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratoy use only.
ISO 17034:2016 CERTIFIED	[X]

ID	Analyte	CAS	Weight Analyte (mg)	Lot	Purity	Certified Concentration (ug/mL)
N-11000	Acenaphthene-d10	15067-26-2	1005.50	00027326	99.50	4001.9
N-11467	Chrysene-d12	1719-03-5	1012.20	00027327	98.80	4000.2
N-10217	1,4-Dichlorobenzene-d4	3855-82-1	1004.10	00027328	99.50	3996.3
N-12645	Naphthalene-d8	1146-65-2	1006.50	00025577	99.50	4005.9
N-12851	Perylene-d12	1520-96-3	1009.50	00027330	99.50	4017.8
N-12856	Phenanthrene-d10	1517-22-2	1021.10	00027331	99.00	4043.6

Analytical Test	Value
CONCENTRATION (GC/FID)	VERIFIED

Instructions for Use:
Shake mixture prior to use. If particles are present, sonicate for homogeneity. If sample is diluted to lower concentrations, Class A volumetric glassware must be used.
Minimum Sample Size- 0.2 uL for Direct Injection.
Chem Service Inc. guarantees the expanded uncertainty of the above analytes to be +/- 2.0% of the certified concentrations based on gravimetric preparation. The test results published in this report were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). The reported expanded uncertainty of measurement is stated as the combined standard uncertainty of measurement multiplied by the coverage factor k (k=2) such that the coverage probability corresponds to approximately 95%. For certified reference materials, homogeneity and thermal stability testing are available upon request.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

Chem Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015

PJLA Reference Material Producer
PJLA Testing

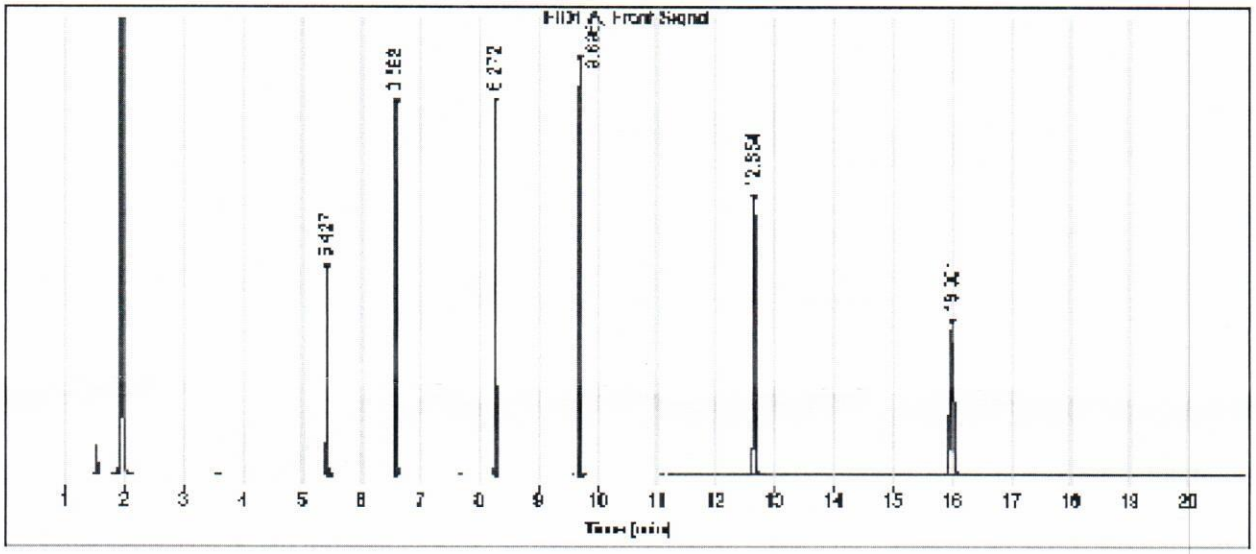
COA Form
Revision 3 (3/2015)

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

Gas

CERTIFICATE OF ANALYSIS

Data file:	C:\CHEM3\		
Sample name:	M-PPCH8X		
Instrument:	GC 2	**Sample type:**	Sample
Injection date:	5/13/2020 8:56:25 AM	**Location:**	Vial 3
Acq. method:	M-PPHC8X12.M	**Injection volume:**	1.0uL
Column name:	HP-5		



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
5.427	BB	0.0181	1240.1130	1041.0874	8.36
6.593	BB	0.0189	2274.8877	1876.2654	15.33
8.272	BB	0.0196	2371.0022	1868.8049	15.98
9.696	BV	0.0197	2694.9399	2106.0442	18.16
12.654	BB	0.0330	2999.0918	1397.3110	20.21
16.001	BB	0.0562	3260.5679	751.0330	21.97
		Sum	14840.6025		

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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. : 31062 **Lot No.:** A0167670

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 4/89(SOW) 5000µg/mL, Methylene Chloride, 1mL/ampul

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

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940B) **Purity** 99%	5,014.0 µg/mL	+/- 29.3583 µg/mL +/- 225.8621 µg/mL +/- 250.6163 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00019169) **Purity** 99%	5,019.6 µg/mL	+/- 29.3911 µg/mL +/- 226.1143 µg/mL +/- 250.8962 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-27278) **Purity** 99%	5,020.6 µg/mL	+/- 29.3967 µg/mL +/- 226.1576 µg/mL +/- 250.9442 µg/mL	Gravimetric Unstressed Stressed

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

ID #: 13666
Opened:
B/N Surrogate Mix (4/89 SOW)
Expires: 11/30/2026
Rec'd: 3/19/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

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

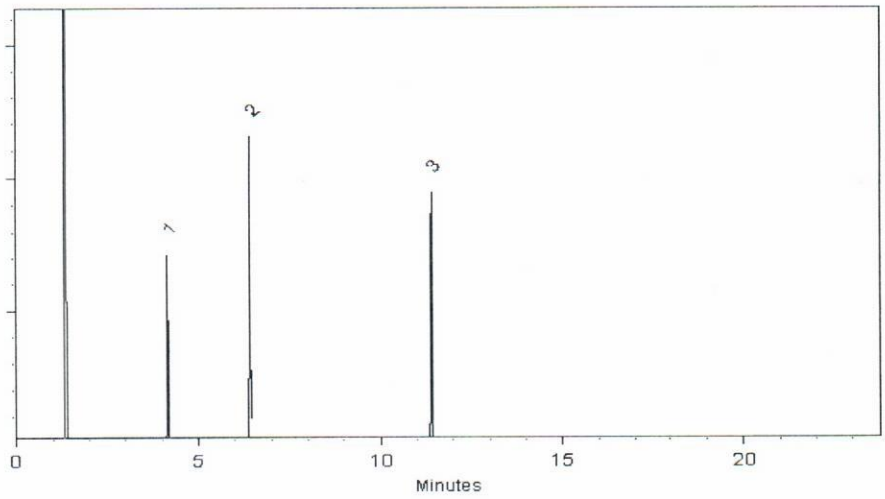
Carrier Gas:
hydrogen-constant pressure 10 psi.

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.

Katelyn McGinnl - Operations Tech I

Date Mixed: 30-Dec-2020 **Balance:** 1128353505

Alexis Shelow - Operations Tech I

Date Passed: 06-Jan-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:

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

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.

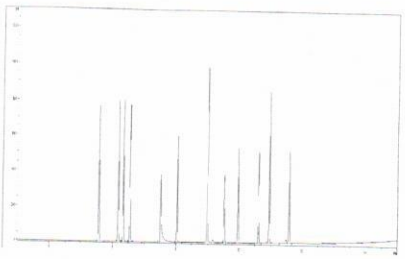
Supelco®

www.sigmaaldrich.com

Certificate of Analysis - Certified Reference Material

EPA TCL Hazardous Substances Mix (12 cmpds)

Product no.: 47990-U
Lot no.: LRAC9004
Expiry Date: February 2024
Manufacturing Date: February 2021
Storage: Refrigerate
Solvent/Matrix: Dichloromethane
Certificate version: LRAC9004.01 *(Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*



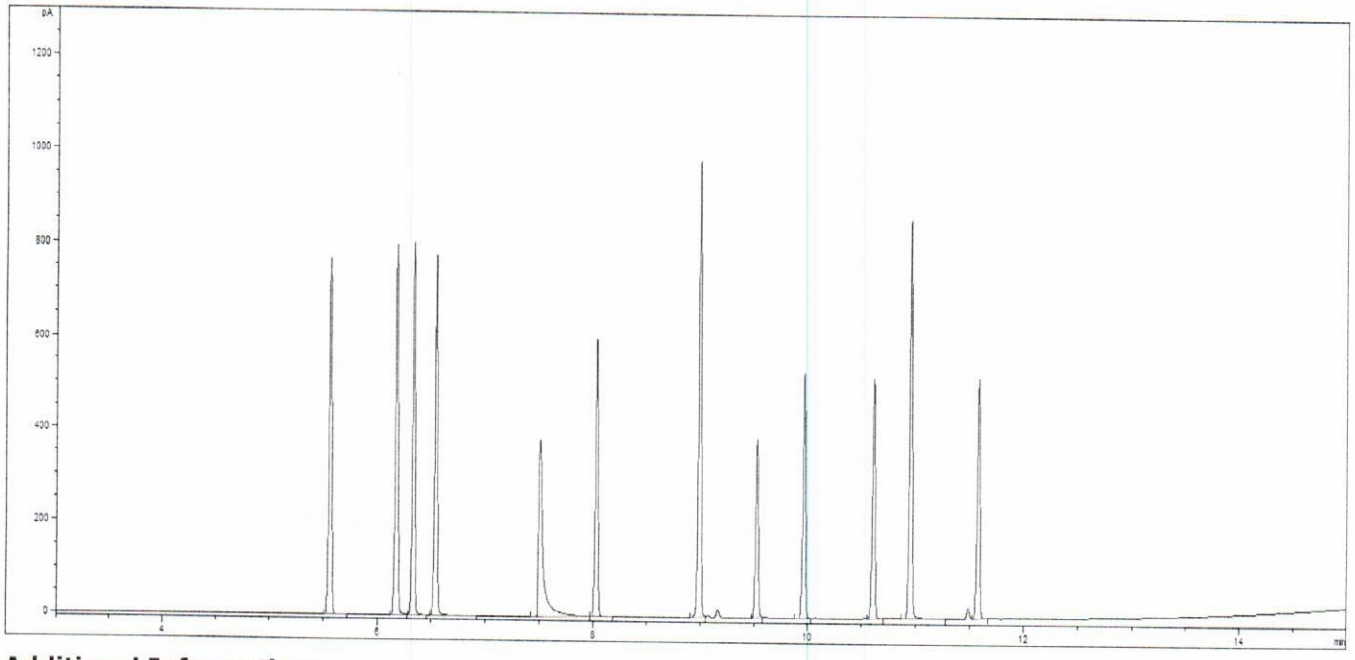
Certified Values:

Analyte	*Certified Value*	*Units*	*Raw Material Purity,%*	*Elution order*	*Raw Material Lot*
ANILINE CAS# 62-53-3	2022 ± 25	µg/mL	99.9	01	LA41596
BENZYL ALCOHOL CAS# 100-51-6	2022 ± 15	µg/mL	99.7	02	LB99705
2-METHYLPHENOL CAS# 95-48-7	2022 ± 14	µg/mL	99.9	03	LB91878
4-METHYLPHENOL CAS# 106-44-5	2022 ± 17	µg/mL	99.9	04	LB32518
BENZOIC ACID CAS# 65-85-0	2021 ± 27	µg/mL	98.8	05	442-137B
4-CHLOROANILINE CAS# 106-47-8	2022 ± 32	µg/mL	100.0	06	MKBZ6909V
2,4,5-TRICHLOROPHENOL CAS# 95-95-4	2022 ± 18	µg/mL	99.9	07	JS00008
2-METHYLNAPHTHALENE CAS# 91-57-6	2021 ± 11	µg/mL	98.2	08	LB97828
2-NITROANILINE CAS# 88-74-4	2022 ± 12	µg/mL	99.9	09	07411KN
3-NITROANILINE CAS# 99-09-2	2022 ± 15	µg/mL	99.9	10	LC09264
DIBENZOFURAN CAS# 132-64-9	2021 ± 10	µg/mL	98.8	11	LB78814
4-NITROANILINE CAS# 100-01-6	2022 ± 23	µg/mL	99.9	12	15609AA

ID #: 13691
Opened:
EPA TCL Hazardous Substances Mix (12 cmp
Expires: 2/28/2024
Rec'd: 3/26/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Sigma-Aldrich RTC, 2931 Soldier Springs Rd. Laramie, WY 82070, USA;
Tel. 1 307-742-5452; Fax 1 307-855-831-9211; www.sigmaaldrich.com
Sigma-Aldrich RTC is a subsidiary of Merck KGaA, Darmstadt, Germany.

Informational Values:



Additional Information:

Analytical Method Parameters:
Column: SPB-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness (Column #214)
Carrier Gas: H2, Flow: 4.5 mL/min
Inlet Temperature: 240 °C, Injection Volume: 1 µL
Injection Mode: Split, Split Ratio: 25:1
Temperature Program: 80 °C (Hold 2 min) @ 15 °C/min to 280 °C (Hold 2 min)
Detector: FID
Detector Temperature: 310 °C

Metrological traceability:	Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.
Measurement method:	Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.
Intended use:	Intended for R&D and Analytical Use only. Not for drug, household or other uses.
Minimum sample size:	1 µL
Packaging:	1 ML IN AMBER AMPULE
Instructions for handling and correct use:	Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.
Health and safety information:	All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.
Accreditation:	Sigma-Aldrich RTC is accredited by the US accreditation authority ANAB as a registered reference material producer AR-1470 in accordance with ISO 17034.
Certificate issue date:	26-Feb-2021

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Details on metrological traceability:

This standard has been gravimetrically prepared using balances that have been fully qualified and calibrated to ISO 17025 requirements. All calibrations utilize NIST traceable weights which are calibrated externally by a qualified ISO 17025 accredited calibration laboratory to NIST standards. Qualification of each balance includes the assignment of a minimum weighing by a qualified and ISO 17025 accredited calibration vendor taking into consideration the balance and installed environmental conditions to ensure compliance with USP tolerances of NMT 0.10% relative error. Fill volume to predetermined specifications is gravimetrically verified throughout the dispensing process using qualified and calibrated balances. Further traceability to a corresponding Primary Standard may be achieved through a direct comparison assay. Where a Primary Standard is available, the assay value will be included in the specified section of the COA.

Details on metrological traceability:

Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical

$$u_{CRM} = \sqrt{u_{char}^2 + u_{\text{hom ogeneity}}^2 + u_{stability}^2}$$

Homogeneity assessment:

Homogeneity was assessed in accordance with ISO Guide 35. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared by Single Factor Analysis of Variance (ANOVA). The uncertainty due to homogeneity was derived from the ANOVA. Heterogeneity was not detected under the conditions of the ANOVA.

Stability assessment:

Significance of the stability assessment will be demonstrated if the analytical result of the study and the range of values represented by the Expanded Uncertainty do not overlap the result of the original assay and the range of its values represented by the Expanded Uncertainty. The method employed will usually be the same method used to characterize the assay value in the initial

Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAC9004.01	26-Feb-2021	Original Release Date

Agilent

ID #: 13854
Opened:
Benzidines Standard
Expires: 4/30/2023
Rec'd: 5/14/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Certificate of Analysis

Product Name: Benzidines Standard

Product Number: US-290-1

Lot Number: 0006592783

Lot Issue Date: 03-Mar-2021

Expiration Date: 30-Apr-2023

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
benzidine	000092-87-5	RM10200	2004 ± 10 µg/mL
3,3'-dichlorobenzidine	000091-94-1	RM12559	2001 ± 10 µg/mL

Matrix: methylene chloride (dichloromethane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the LRQA registered ISO 9001:2015 Quality Management System. Cert # 10303760
Page: 1 of 1

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert
No. AT-1937

CERTIFIED WEIGHT REPORT

Part Number: 92180
Lot Number: 020221
Description: CLP Semi-Volatile Calibration Standard
64 components
Expiration Date: 020226
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 23060

Solvent: Methylene chloride **Lot#** 104929

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.003 Flask Uncertainty

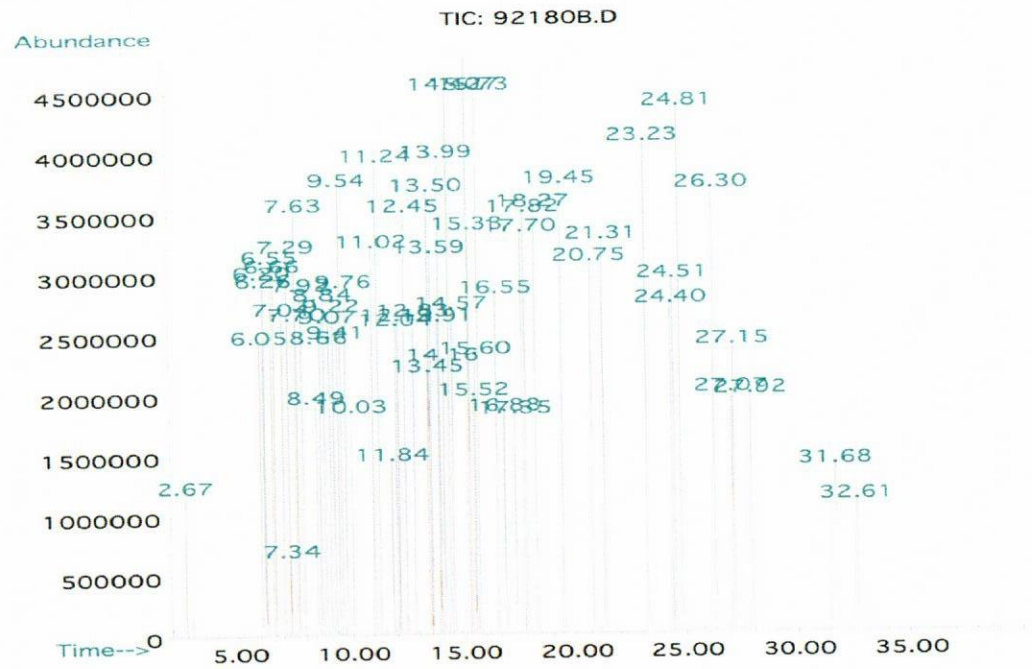
Formulated By:	Eli Aliaga	020221 DATE
Reviewed By:	Pedro L. Rientas	020221 DATE

Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2,2-Oxybis(1-chloropropane)	(0078)	012016AR	NA	NA	NA	1000	98.9	0.2	NA	0.10112	0.10135	1002.3	4.2	108-60-1	N/A	ori-rat 240mg/kg
2. Hexachlorobenzene	(0195)	051697	NA	NA	NA	1000	99	0.2	NA	0.10102	0.10121	1001.9	4.2	118-74-1	N/A	ori-rat 10g/kg
3. bis(2-Chloroethoxy) methane	10111	011214	0.05	5.00	20018.4	1000	NA	NA	0.017	NA	NA	1000.8	8.0	111-91-1	N/A	N/A
4. bis(2-Chloroethyl) ether	10111	011214	0.05	5.00	20012.4	1000	NA	NA	0.017	NA	NA	1000.5	8.0	111-44-4	15 ppm (90mg/m3/8H)(skin)	ori-rat 75mg/kg
5. bis(2-Ethylhexyl) phthalate	10111	011214	0.05	5.00	20014.3	1000	NA	NA	0.017	NA	NA	1000.6	8.0	117-81-7	5mg/m3/8H	ori-rat 30600mg/kg
6. 4-Bromophenyl phenyl ether	10111	011214	0.05	5.00	20008.8	1000	NA	NA	0.017	NA	NA	1000.5	8.0	101-55-3	N/A	N/A
7. Benzyl butyl phthalate	10111	011214	0.05	5.00	20011.3	1000	NA	NA	0.017	NA	NA	1000.5	8.0	85-68-7	N/A	ori-rat 2330mg/kg
8. 4-Chlorophenyl phenyl ether	10111	011214	0.05	5.00	20009.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	7005-72-3	N/A	N/A
9. Diethyl phthalate	10111	011214	0.05	5.00	20013.6	1000	NA	NA	0.017	NA	NA	1000.6	8.0	84-66-2	5mg/m3/8H	ori-rat 8600mg/kg
10. Dimethyl phthalate	10111	011214	0.05	5.00	20015.7	1000	NA	NA	0.017	NA	NA	1000.7	8.0	131-11-3	5mg/m3/8H	ori-rat 6800mg/kg
11. Di-n-butyl phthalate	10111	011214	0.05	5.00	20011.6	1000	NA	NA	0.017	NA	NA	1000.5	8.0	84-74-2	5mg/m3/8H	ori-rat 8000mg/kg
12. Di-n-octyl phthalate	10111	011214	0.05	5.00	20012.2	1000	NA	NA	0.017	NA	NA	1000.5	8.0	117-84-0	N/A	ori-rat 47000mg/kg
13. N-Nitrosodimethylamine	10111	011214	0.05	5.00	20010.0	1000	NA	NA	0.017	NA	NA	1000.4	8.0	62-75-9	N/A	ori-rat 58mg/kg
14. N-Nitrosodi-n-propylamine	10111	011214	0.05	5.00	20010.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	621-64-7	N/A	ori-rat 480mg/kg
15. 1,2-Diphenylhydrazine (as Azobenzene)	10112	042820	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.1	103-33-3	N/A	ori-rat 1000mg/kg
16. 2-Chloronaphthalene	10112	042820	0.05	5.00	20002.3	1000	NA	NA	0.017	NA	NA	1000.0	8.0	91-58-7	N/A	ori-rat 2078mg/kg
17. 1,2-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	95-50-1	50 ppm (300mg/m3) (CL)	ori-rat 500mg/kg
18. 1,3-Dichlorobenzene	10112	042820	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	541-73-1	N/A	ipr-mus 1062mg/kg
19. 1,4-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	106-46-7	75 ppm (450mg/m3/8H)	ori-rat 500mg/kg
20. 2,4-Dinitrotoluene	10112	042820	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	121-14-2	1.5mg/m3/8H (skin)	ori-rat 268mg/kg
21. 2,6-Dinitrotoluene	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	606-20-2	1.5mg/m3/8H (skin)	ori-rat 177mg/kg
22. Hexachloro-1,3-butadiene	10112	042820	0.05	5.00	20009.4	1000	NA	NA	0.017	NA	NA	1000.4	12.4	87-68-3	0.02 ppm (0.24mg/m3/8H)	ori-rat 82mg/kg
23. Hexachlorocyclopentadiene	10112	042820	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	77-47-4	0.01 ppm (0.1mg/m3/8H)	ori-rat 1300mg/kg
24. Hexachloroethane	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpg 4970mg/kg
25. Isophorone	10112	042820	0.05	5.00	20003.8	1000	NA	NA	0.017	NA	NA	1000.1	8.1	78-59-1	25 ppm	ori-rat 2330mg/kg
26. Nitrobenzene	10112	042820	0.05	5.00	20004.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	98-95-3	1 ppm (5mg/m3/8H)(skin)	ori-rat 780mg/kg
27. 1,2,4-Trichlorobenzene	10112	042820	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	120-82-1	5 ppm (CL) (40mg/m3)	ori-rat 756mg/kg
28. o-Cresol (2-Methylphenol)	10114	081919	0.05	5.00	20010.2	1000	NA	NA	0.017	NA	NA	1000.4	8.0	95-48-7	5 ppm (22mg/m3/8H)(skin)	ori-rat 121mg/kg
29. p-Cresol (4-Methylphenol)	10114	081919	0.05	5.00	20061.2	1000	NA	NA	0.017	NA	NA	1003.0	8.0	106-44-5	5 ppm (22mg/m3/8H)(skin)	ori-rat 207mg/kg
30. 2,4,5-Trichlorophenol	10114	081919	0.05	5.00	20023.2	1000	NA	NA	0.017	NA	NA	1001.1	8.0	95-95-4	N/A	ori-rat 820mg/kg
31. 4-Chloroaniline	10115	060512	0.05	5.00	20009.6	1000	NA	NA	0.017	NA	NA	1000.4	8.0	106-47-8	N/A	ori-rat 310mg/kg
32. Dibenzofuran	10115	060512	0.05	5.00	20020.2	1000	NA	NA	0.017	NA	NA	1000.9	8.0	132-64-9	N/A	N/A
33. 2-Methylnaphthalene	10115	060512	0.05	5.00	20012.9	1000	NA	NA	0.017	NA	NA	1000.5	8.1	91-57-6	N/A	ori-rat 1800mg/kg
34. 2-Nitroaniline	10115	060512	0.05	5.00	20011.8	1000	NA	NA	0.017	NA	NA	1000.5	8.0	88-74-4	N/A	ori-rat 1600mg/kg
35. 3-Nitroaniline	10115	060512	0.05	5.00	20018.6	1000	NA	NA	0.017	NA	NA	1000.8	8.0	99-09-2	N/A	ori-rat 535mg/kg
36. 4-Nitroaniline	10115	060512	0.05	5.00	20014.9	1000	NA	NA	0.017	NA	NA	1000.6	8.0	100-01-6	1 ppm (6mg/m3/8H)(skin)	ori-rat 750mg/kg
37. 4-Chloro-3-methylphenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	59-50-7	N/A	ori-rat 1830mg/kg
38. 2-Chlorophenol	10118	072120	0.05	5.00	20002.9	1000	NA	NA	0.017	NA	NA	1000.0	8.0	95-57-8	N/A	ori-rat 670mg/kg
39. 2,4-Dichlorophenol	10118	072120	0.05	5.00	20003.1	1000	NA	NA	0.017	NA	NA	1000.1	8.0	120-83-2	N/A	ori-rat 580mg/kg
40. 2,4-Dimethylphenol	10118	072120	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	105-67-9	N/A	ori-rat 3200mg/kg
41. 2,4-Dinitrophenol	10118	072120	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	51-28-5	N/A	ori-rat 30mg/kg
42. 4,6-Dinitro-2-methylphenol	10118	072120	0.05	5.00	20002.5	1000	NA	NA	0.017	NA	NA	1000.0	8.0	534-52-1	N/A	N/A
43. 2-Nitrophenol	10118	072120	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-75-5	N/A	ori-rat 334mg/kg
44. 4-Nitrophenol	10118	072120	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	100-02-7	N/A	ori-rat 250mg/kg
45. Pentachlorophenol	10118	072120	0.05	5.00	20002.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	87-86-5	0.5mg/m3/8H (skin)	ori-rat 27mg/kg
46. Phenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	108-95-2	5 ppm (19mg/m3/8H)(skin)	ori-rat 317mg/kg
47. 2,4,6-Trichlorophenol	10118	072120	0.05	5.00	20004.2	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-06-2	N/A	ori-rat 820mg/kg
48. Acenaphthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	83-32-9	N/A	ipr-rat 600mg/kg
49. Acenaphthylene	10007	042420	0.50	50.00	2000.2	1000	NA	NA	0.018	NA	NA	1000.0	4.2	208-96-8	N/A	N/A
50. Anthracene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.1	120-12-7	0.2mg/m3 (8H)	ipr-mus 430mg/kg
51. Benzo(a)anthracene	10007	042420	0.50	50.00	2001.3	1000	NA	NA	0.018	NA	NA	1000.6	4.2	56-55-3	N/A	N/A
52. Benzo(a)pyrene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	50-32-8	0.2mg/m3 (8H)	scu-rat 50mg/kg
53. Benzo(b)fluoranthene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	205-99-2	N/A	N/A
54. Benzo(k)fluoranthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	207-08-9	N/A	N/A
55. Benzo[g,h,i]perylene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	191-24-2	N/A	N/A
56. Carbazole	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.0	4.2	86-74-8	N/A	ipr-mus 200mg/kg
57. Chrysene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.5	4.2	218-01-9	0.2mg/m3	N/A
58. Dibenzo(a,h)anthracene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.5	4.2	53-70-3	0.2mg/m3	N/A
59. Fluoranthene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.2	206-44-0	N/A	ori-rat 2000mg/kg
60. Fluorene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.5	4.2	86-73-7	N/A	ipr-mus 2 g/kg
61. Indeno(1,2,3-cd)pyrene	10007	042420	0.50	50.00	2000.1	1000	NA	NA	0.018	NA	NA	1000.0	4.1	193-39-5	N/A	N/A
62. Naphthalene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	91-20-3	10 ppm (50mg/m3/8H)	ori-rat 490mg/kg
63. Phenanthrene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	85-01-8	0.2mg/m3/8H	ori-mus 700mg/kg
64. Pyrene	10007	042420	0.50	50.00	2001.0	1000	NA	NA	0.018	NA	NA	1000.4	4.2	129-00-0	0.2mg/m3/8H	ori-rat 2700mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified +/- 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

ID #: 14074
Opened:
CLP Semivolatile Calibration Standard
Expires: 2/2/2026
Rec'd: 7/16/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Method GC8MSD-2.M: Column:SBB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14 min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 290°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Melissa Stonier.



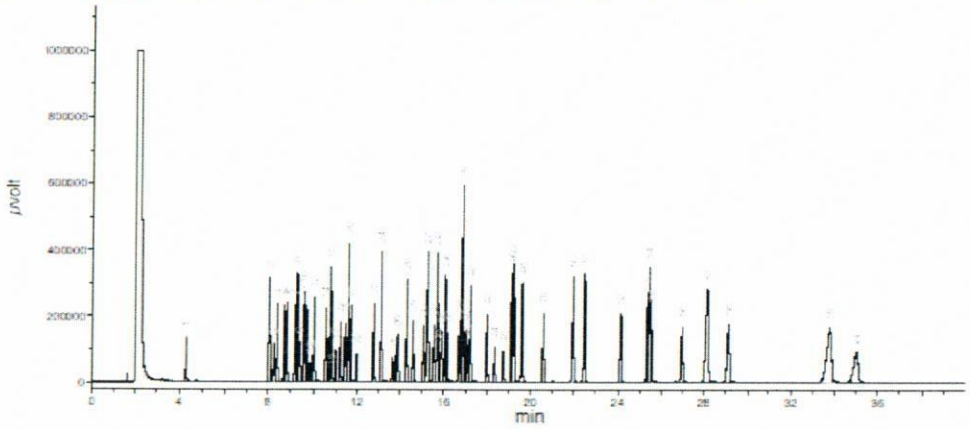
Peak No	Name	MSD RT (min.)
1	N-nitrosodimethylamine	2.67
2	Phenol	6.05
3	bis(2-Chloroethyl)ether	6.20
4	2-Chlorophenol	6.26
5	1,3-Dichlorobenzene	6.55
6	1,4-Dichlorobenzene	6.63
7	1,2-Dichlorobenzene	7.04
8	o-Cresol (2-methylphenol)	7.29
9	bis(2-Chloroisopropyl)ether	7.34
10	p-Cresol (4-methylphenol)/N-nitrosodi-n-propylamine	7.63
11	Hexachloroethane	7.70
12	Nitrobenzene	7.92
13	Isophorone	8.49
14	2-Nitrophenol	8.66
15	2,4-Dimethylphenol	8.84
16	bis(2-Chloroethoxy)methane	9.07
17	2,4-Dichlorophenol	9.22
18	1,2,4-Trichlorobenzene	9.41
19	Napthalene	9.54
20	4-Chloroaniline	9.76
21	Hexachloro-1,3-butadiene	10.03
22	4-Chloro-3-methylphenol	11.02
23	2-Methylnaphthalene	11.24
24	Hexachlorocyclopentadiene	11.84
25	2,4,6-Trichlorophenol	12.04
26	2,4,5-Trichlorophenol	12.13
27	2-Chloronaphthalene	12.45
28	2-Nitroaniline	12.84
29	Dimethyl phthalate	13.45
30	Acenaphthylene	13.50
31	2,6-Dinitrotoluene	13.59
32	3-Nitroaniline	13.91
33	Acenaphthene	13.99
34	2,4-Dinitrophenol	14.16
35	Dibenzofuran/4-Nitrophenol	14.40
36	2,4-Dinitrotoluene	14.57
37	Diethyl phthalate/Fluorene	15.27
38	4-Chlorophenyl phenyl ether	15.33
39	4-Nitroaniline	15.52
40	4,6-Dinitro-2-methylphenol	15.60
41	Azobenzene	15.73
42	4-Bromophenyl phenyl ether	16.56
43	Hexachlorobenzene	16.89
44	Pentachlorophenol	13.35
45	Phenanthrene	17.70
46	Anthracene	17.82
47	Carbazole	18.27
48	Di-n-butyl phthalate	19.45
49	Fluoranthene	20.75
50	Pyrene	21.31
51	Benzyl butyl phthalate	23.23
52	Benzo(a)anthracene	24.40
53	Chrysene	24.51
54	bis(2-Ehtylhexyl)phthalate	24.82
55	Di-n-octyl phthalate	26.30
56	Benzo(b)fluoranthene	27.07
57	Benzo(k)fluoranthene	27.15
58	Benzo(a)pyrene	27.92
59	Indeno(1,2,3-cd)pyrene/Dibenzo(a,h)anthracene	31.68
60	Benzo(g,h,i)perylene	32.61

Run 19, "P92180 L020221 [1000µg/mL in MeCl2]"

Run Length: 40.00 min, 23999 points at 10 points/second.
Created: Sat, Feb 6, 2021 at 4:44:57 AM.
Sampled: Sequence "020521-GC4M2", Method "GC4-M2".
Analyzed using Method "GC4-M2".

Comments

GC4-M2 Analysis by Melissa Stonier
Column ID SPB-5 L#60052-01A 30 meter x 0.53mm x 1.5um Film Thickness.
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL.
Hydrogen (detector) = 30 mL, Air (detector) =360 mLOven Temp 1 = 50°C (1 min).
Rate = 10°C/min, Oven Temp 2 = 300°C (14 min), Total Run Time = 40 Minutes. Injector Temp = 250°C.
FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard injection = 0.5 uL, Range =3



Peak No	Name	FID RT (min.)
1	N-nitrosodimethylamine	4.30
2	Phenol	8.05
3	bis(2-Chloroethyl)ether	8.25
4	2-Chlorophenol	8.40
5	1,3-Dichlorobenzene	8.71
6	1,4-Dichlorobenzene	8.80
7	1,2-Dichlorobenzene	9.19
8	o-Cresol (2-methylphenol)	9.27
9	bis(2-Chloroisopropyl)ether	9.38
10	p-Cresol (4-methylphenol)/N-nitrosodi-n-propylamine	9.55
11	Hexachloroethane	9.70
12	Nitrobenzene	9.85
13	Isophorone	10.02
14	2-Nitrophenol	10.53
15	2,4-Dimethylphenol	10.74
16	bis(2-Chloroethoxy)methane	10.81
17	2,4-Dichlorophenol	10.97
18	1,2,4-Trichlorobenzene	11.21
19	Naphthalene	11.43
20	4-Chloroaniline	11.57
21	Hexachloro-1,3-butadiene	11.70
22	4-Chloro-3-methylphenol	11.96
23	2-Methylnaphthalene	12.77
24	Hexachlorocyclopentadiene	13.14
25	2,4,6-Trichlorophenol	13.65
26	2,4,5-Trichlorophenol	13.83
27	2-Chloronaphthalene	13.91
28	2-Nitroaniline	14.26
29	Dimethyl phthalate	14.56
30	Acenaphthylene	15.05
31	2,6-Dinitrotoluene	15.25
32	3-Nitroaniline	15.54
33	Acenaphthene	15.69
34	2,4-Dinitrophenol	15.77
35	Dibenzofuran/4-Nitrophenol	15.89
36	2,4-Dinitrotoluene	16.06
37	Diethyl phthalate/Fluorene	16.14
38	4-Chlorophenyl phenyl ether	16.72
39	4-Nitroaniline	16.87
40	4,6-Dinitro-2-methylphenol	17.00
41	Azobenzene	17.09
42	4-Bromophenyl phenyl ether	17.23
43	Hexachlorobenzene	18.00
44	Pentachlorophenol	18.36
45	Phenanthrene	18.76
46	Anthracene	19.13
47	Carbazole	19.24
48	Di-n-butyl phthalate	19.61
49	Fluoranthene	20.55
50	Pyrene	21.96
51	Benzyl butyl phthalate	22.49
52	Benzo(a)anthracene	24.11
53	Chrysene	25.34
54	bis(2-Ehtylhexyl)phthalate	25.45
55	Di-n-octyl phthalate	25.52
56	Benzo(b)fluoranthene	26.98
57	Benzo(k)fluoranthene	28.16
58	Benzo(a)pyrene	29.10
59	Indeno(1,2,3-cd)pyrene/Dibenzo(a,h)anthracene	33.79
60	Benzo(g,h,i)perylene	35.02

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: S-14500-R2
Description: Custom Semi-Volatile Standard
Lot: 220021255-02
Solvent: Dichloromethane
Hazards: *Refer to SDS for complete safety information*

Signal Word: Warning

Date Certified: Aug 31, 2021
Expiration: Oct 1, 2022
Sample Size: 1 mL
Components: 10
Storage Condition: Freeze (<-10 °C)/Sonicate

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463

ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (µg/mL)	Certified Analyte Concentration¹ (µg/mL)
Pyridine	110-86-1	98.7	2026	2000
4-Chlorophenol	106-48-9	100.0	2019	2019
1-Methylnaphthalene	90-12-0	98.5	2003	1973
N-Nitrosodiphenylamine	86-30-6	100.0	2022	2022
4-Chloro-2-methylphenol	1570-64-5	97.0	2069*	2007
Benzoic acid	65-85-0	99.5	2010	2000
Aniline	62-53-3	98.0	2002	1962
Benzyl alcohol	100-51-6	99.9	2011	2009
Triallate	2303-17-5	99.9	2013	2011
o-Terphenyl	84-15-1	99.9	2019	2017

ID #: 14279
Opened:
Custom Semi-Volatile Standard
Expires: 10/1/2022
Rec'd: 9/16/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

This Certified Reference Material was verified in accordance with ISO/IEC 17025

* Weight compensated to 100% purity.

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

 See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

Page 1 of 1

For use in routine laboratory analysis.