PREP BATCH REPORT

Prep Code: **SVOC-3510C-8270** Technician: **Ryan F. Benge** Prep Start Date: **12/6/2021 11:08:29 A**

Prep Batch **161925** Prep Temp: **NA °C** Batch Units: **ML** Prep End Date: **12/7/2021 4:17:00 PM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
MB-161925			1000	0	0	1.00	0.001		12/6/2021	12/7/2021
LCS-161925			1000	0	0	1.00	0.001		12/6/2021	12/7/2021
LCSD-161925			1000	0	0	1.00	0.001		12/6/2021	12/7/2021
LLCS-161925			1000	0	0	1.00	0.001		12/6/2021	12/7/2021
B21120149-001D	Aqueous	6	1040	0	0	2.00	0.00192		12/6/2021	12/7/2021
Sample green and turbid										
B21120149-003D	Aqueous	6	1040	0	0	2.00	0.00192		12/6/2021	12/7/2021
sample light grey and slightly turbid										
B21120153-002E	Aqueous	6	1000	0	0	1.00	0.001		12/6/2021	12/7/2021
sample yellow and slightly turbid										
B21120217-001B	Aqueous	6	1050	0	0	1.00	0.000952		12/6/2021	12/7/2021
sample clear										
B21120263-001I	Aqueous	6	1050	0	0	1.00	0.000952		12/6/2021	12/7/2021
sample has a green tint and is slightly turbid										
B21120330-001I	Aqueous	6	1050	0	0	2.00	0.0019		12/6/2021	12/7/2021
sample green and turbid										
B21120330-002I	Aqueous	7	1030	0	0	2.00	0.00194		12/6/2021	12/7/2021
sample cloudy and yellow										
B21120345-001C	Aqueous	7	930	0	0	2.00	0.00215		12/6/2021	12/7/2021
sample cloudy and yellow										
B21120347-001A	Aqueous	7	1040	0	0	2.00	0.00192		12/6/2021	12/7/2021
Sample purple and foamy										
B21120381-004A	Drinking Water	7	900	0	0	1.00	0.00111		12/6/2021	12/7/2021
Sample yellow and slightly turbid										
B21120381-005A	Drinking Water	7	950	0	0	1.00	0.00105		12/6/2021	12/7/2021
Sample clear										

Number	Reagent Name	Exp Date	
13124	Sulfuric Acid 2020070739	7/2/2022	2mL
13273	pH-indicator Strips 0-14 HC025486	9/30/2024	
14196	Dichloromethane EB867	6/18/2023	100,50
14518	Dichloromethane EC735	10/14/2023	

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
FP211130 14446	DCM RINSED FILTER PAPER	all		4/6/2026
Sulfate 12/03/21 (	Baked Sodium Sulfate	all		11/29/2026
sv83610	Benzidines	LCS; MS/D	50 uL; 25	3/17/2024
sv92617	LL BNA Surr	LLCS, LMS, SAM	100 uL	1/30/2022
sv92614	LCS/Add Extractions	LLCS, LMS; LCS;	50 uL; 1.0	9/24/2022
sv92612	BNA Surr	MB, LCS, Samp;	100 uL; 5	3/31/2022

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Prep Code: **SVOC-3510C-8270** Technician: **Ryan F. Benge** Prep Start Date: **12/6/2021 11:08:29 A**

Prep Batch **161925** Prep Temp: **NA °C** Batch Units: **ML** Prep End Date: **12/7/2021 4:17:00 PM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
B21120381-006A	Drinking Water	7	990	0	0	1.00	0.00101		12/6/2021	12/7/2021
Sample clear										
B21120381-007A	Drinking Water	7	970	0	0	1.00	0.00103		12/6/2021	12/7/2021
Sample clear										
B21120381-008A	Drinking Water	7	970	0	0	1.00	0.00103		12/6/2021	12/7/2021
Sample clear										
B21120396-001A	Drinking Water	7	900	0	0	1.00	0.00111		12/6/2021	12/7/2021
Sample clear										
B21120396-001ALMS	Drinking Water	7	920	0	0	1.00	0.00109		12/6/2021	12/7/2021
Sample clear										
LLCSD-161925			1000	0	0	1.00	0.001		12/6/2021	12/7/2021
B21120149-001DMS	Aqueous	7	500	0	0	2.00	0.004		12/6/2021	12/7/2021
B21120149-003DMS	Aqueous	6	500	0	0	2.00	0.004		12/6/2021	12/7/2021
B21120413-001J	Waste	8	2.00	0	0	1.00	0.5		12/7/2021	12/7/2021
Sample yellow and very viscous, slightly soluble in water, 2 mL extraction performed due to high expected analyte concentration.										
B21120413-002J	Waste	8	2.00	0	0	1.00	0.5		12/7/2021	12/7/2021
Sample yellow and very viscous, slightly soluble in water, 2 mL extraction performed due to high expected analyte concentration.										

Number	Reagent Name	Exp Date	
13124	Sulfuric Acid 2020070739	7/2/2022	2mL
13273	pH-indicator Strips 0-14 HC025486	9/30/2024	
14196	Dichloromethane EB867	6/18/2023	100,50
14518	Dichloromethane EC735	10/14/2023	

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
FP211130 14446	DCM RINSED FILTER PAPER	all		4/6/2026
Sulfate 12/03/21 (	Baked Sodium Sulfate	all		11/29/2026
sv83610	Benzidines	LCS; MS/D	50 uL; 25	3/17/2024
sv92617	LL BNA Surr	LLCS, LMS, SAM	100 uL	1/30/2022
sv92614	LCS/Add Extractions	LLCS, LMS; LCS;	50 uL; 1.0	9/24/2022
sv92612	BNA Surr	MB, LCS, Samp;	100 uL; 5	3/31/2022

Energy Laboratories Inc

ANALYTICAL RUN Summary

09-Dec-21

Run ID SV5975.I_211208A

Run Start Date: 12/8/2021
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
sv100210	BNA 2nd source 200ug/mL	2	ul	198	ul	ICV	1/15/2022
sv100506	BNA low 50 ug/mL	8	ul	192	ul	CCV	3/31/2022
sv100516	BNA Internals 2000 ug/mL	2	ul	100	ul	all SVOC	6/30/2023
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
14911139	Dec0801_D_TU	SVOC-8270-DF	TUNE	/5975.I\sh120821\12/8/2021 8:44:0		1	R371450		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
127, % of mass 198	A	%	54.5	54.5		100	0	0	0	0.01	0	55%	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	%	6.9	6.9		100	0	0	0	0.01	0	7%	5	9	0%	
275, % of mass 198	A	%	28.3	28.3		100	0	0	0	0.01	0	28%	10	30	0%	
365, % of mass 198	A	%	3.1	3.1		100	0	0	0	0.01	0	3%	1	99.99	0%	
441, % of mass 443	A	%	94.1	94.1		100	0	0	0	0.01	0	94%	0.01	150	0%	
442, % of mass 198	A	%	71.7	71.7		100	0	0	0	0.01	0	72%	40	100	0%	
443, % of mass 442	A	%	18.4	18.4		100	0	0	0	0.01	0	18%	17	23	0%	
51, % of mass 198	A	%	46.1	46.1		100	0	0	0	0.01	0	46%	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	%	0.5	0.5		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
14911140	08-Dec-21_CAL	SVOC-8270-W-	ICAL	/5975.I\sh120821\12/8/2021 9:08:2		1	R371450		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	10.0833	10.0833		10	0	0	0.0206	0.1	10	101%	80	120	0%	
2-Methylnaphthalene	A	ug/L	10.14726	10.14726		10	0	0	0.0176	0.1	10	101%	80	120	0%	
Acenaphthene	A	ug/L	9.22869	9.22869		10	0	0	0.0317	0.1	10	92%	80	120	0%	
Acenaphthylene	A	ug/L	10.67716	10.67716		10	0	0	0.025	0.1	10	107%	80	120	0%	
Anthracene	A	ug/L	10.16134	10.16134		10	0	0	0.0283	0.1	10	102%	80	120	0%	
Benzo(a)anthracene	A	ug/L	10.04712	10.04712		10	0	0	0.0272	0.1	10	100%	80	120	0%	
Benzo(a)pyrene	A	ug/L	10.0234	10.0234		10	0	0	0.0347	0.1	10	100%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	11.13984	11.13984		10	0	0	0.0226	0.1	10	111%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	10.88688	10.88688		10	0	0	0.0267	0.1	10	109%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	10.05406	10.05406		10	0	0	0.0295	0.1	10	101%	80	120	0%	
Chrysene	A	ug/L	9.29734	9.29734		10	0	0	0.0458	0.1	10	93%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	9.9665	9.9665		10	0	0	0.0367	0.1	10	100%	80	120	0%	
Fluoranthene	A	ug/L	10.2759	10.2759		10	0	0	0.0233	0.1	10	103%	80	120	0%	
Fluorene	A	ug/L	9.69424	9.69424		10	0	0	0.0225	0.1	10	97%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	9.99798	9.99798		10	0	0	0.0491	0.1	10	100%	80	120	0%	
Naphthalene	A	ug/L	10.10337	10.10337		10	0	0	0.029	0.1	10	101%	80	120	0%	
Phenanthrene	A	ug/L	8.96335	8.96335		10	0	0	0.0295	0.1	10	90%	80	120	0%	
Pyrene	A	ug/L	10.03395	10.03395		10	0	0	0.0239	0.1	10	100%	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	10.27886	10.27886		10	0	0	0.0444	0.1	10	103%	80	120	0%	
Nitrobenzene-d5	S	ug/L	9.96571	9.96571		10	0	0	0.0523	0.1	10	100%	80	120	0%	
Terphenyl-d14	S	ug/L	9.78836	9.78836		10	0	0	0.0563	0.1	10	98%	80	120	0%	
o-Terphenyl	X	ug/L	9.47799	9.47799		10	0	0	0.0654	0.1	10	95%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911141	08-Dec-21_CAL	SVOC-8270-W-	ICAL	/5975.I\sh120821\12/8/2021 9:40:5		1	R371450		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
14911141	08-Dec-21_CAL	SVOC-8270-W-	ICAL	/5975.I\sh120821\12/8/2021 9:40:5		1	R371450		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	4.76979	4.76979		5	0	0	0.0206	0.1	10	95%	80	120	0%	
2-Methylnaphthalene	A	ug/L	4.62487	4.62487		5	0	0	0.0176	0.1	10	92%	80	120	0%	
Acenaphthene	A	ug/L	4.4906	4.4906		5	0	0	0.0317	0.1	10	90%	80	120	0%	
Acenaphthylene	A	ug/L	4.3533	4.3533		5	0	0	0.025	0.1	10	87%	80	120	0%	
Anthracene	A	ug/L	4.8216	4.8216		5	0	0	0.0283	0.1	10	96%	80	120	0%	
Benzo(a)anthracene	A	ug/L	4.87517	4.87517		5	0	0	0.0272	0.1	10	98%	80	120	0%	
Benzo(a)pyrene	A	ug/L	4.92542	4.92542		5	0	0	0.0347	0.1	10	99%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	4.91857	4.91857		5	0	0	0.0226	0.1	10	98%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	5.03142	5.03142		5	0	0	0.0267	0.1	10	101%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	4.81614	4.81614		5	0	0	0.0295	0.1	10	96%	80	120	0%	
Chrysene	A	ug/L	4.41969	4.41969		5	0	0	0.0458	0.1	10	88%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	5.10856	5.10856		5	0	0	0.0367	0.1	10	102%	80	120	0%	
Fluoranthene	A	ug/L	4.81124	4.81124		5	0	0	0.0233	0.1	10	96%	80	120	0%	
Fluorene	A	ug/L	4.55044	4.55044		5	0	0	0.0225	0.1	10	91%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	5.00975	5.00975		5	0	0	0.0491	0.1	10	100%	80	120	0%	
Naphthalene	A	ug/L	4.76789	4.76789		5	0	0	0.029	0.1	10	95%	80	120	0%	
Phenanthrene	A	ug/L	4.50814	4.50814		5	0	0	0.0295	0.1	10	90%	80	120	0%	
Pyrene	A	ug/L	4.66698	4.66698		5	0	0	0.0239	0.1	10	93%	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	4.73985	4.73985		5	0	0	0.0444	0.1	10	95%	80	120	0%	
Nitrobenzene-d5	S	ug/L	5.07654	5.07654		5	0	0	0.0523	0.1	10	102%	80	120	0%	
Terphenyl-d14	S	ug/L	4.69999	4.69999		5	0	0	0.0563	0.1	10	94%	80	120	0%	
o-Terphenyl	X	ug/L	4.52214	4.52214		5	0	0	0.0654	0.1	10	90%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911142	08-Dec-21_CAL	SVOC-8270-W-	ICAL	/5975.I\sh120821\12/8/2021 10:13:		1	R371450		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
14911142	08-Dec-21_CAL	SVOC-8270-W-	ICAL	/5975.I\sh120821\12/8/2021 10:13:		1	R371450		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.09343	2.09343		2	0	0	0.0206	0.1	10	105%	80	120	0%	
2-Methylnaphthalene	A	ug/L	2.04111	2.04111		2	0	0	0.0176	0.1	10	102%	80	120	0%	
Acenaphthene	A	ug/L	1.92201	1.92201		2	0	0	0.0317	0.1	10	96%	80	120	0%	
Acenaphthylene	A	ug/L	1.78707	1.78707		2	0	0	0.025	0.1	10	89%	80	120	0%	
Anthracene	A	ug/L	1.85415	1.85415		2	0	0	0.0283	0.1	10	93%	80	120	0%	
Benzo(a)anthracene	A	ug/L	2.01639	2.01639		2	0	0	0.0272	0.1	10	101%	80	120	0%	
Benzo(a)pyrene	A	ug/L	2.02002	2.02002		2	0	0	0.0347	0.1	10	101%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	1.88707	1.88707		2	0	0	0.0226	0.1	10	94%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	1.86054	1.86054		2	0	0	0.0267	0.1	10	93%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	2.13329	2.13329		2	0	0	0.0295	0.1	10	107%	80	120	0%	
Chrysene	A	ug/L	1.92068	1.92068		2	0	0	0.0458	0.1	10	96%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	1.89234	1.89234		2	0	0	0.0367	0.1	10	95%	80	120	0%	
Fluoranthene	A	ug/L	1.9015	1.9015		2	0	0	0.0233	0.1	10	95%	80	120	0%	
Fluorene	A	ug/L	1.80672	1.80672		2	0	0	0.0225	0.1	10	90%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	1.97376	1.97376		2	0	0	0.0491	0.1	10	99%	80	120	0%	
Naphthalene	A	ug/L	2.03516	2.03516		2	0	0	0.029	0.1	10	102%	80	120	0%	
Phenanthrene	A	ug/L	1.86015	1.86015		2	0	0	0.0295	0.1	10	93%	80	120	0%	
Pyrene	A	ug/L	1.87149	1.87149		2	0	0	0.0239	0.1	10	94%	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	1.91427	1.91427		2	0	0	0.0444	0.1	10	96%	80	120	0%	
Nitrobenzene-d5	S	ug/L	2.00137	2.00137		2	0	0	0.0523	0.1	10	100%	80	120	0%	
Terphenyl-d14	S	ug/L	1.7573	1.7573		2	0	0	0.0563	0.1	10	88%	80	120	0%	
o-Terphenyl	X	ug/L	1.79484	1.79484		2	0	0	0.0654	0.1	10	90%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911143	08-Dec-21_CAL	SVOC-8270-W-	ICAL	/5975.I\sh120821\12/8/2021 10:46:		1	R371450		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
14911143	08-Dec-21_CAL	SVOC-8270-W-	ICAL	/5975.I\sh120821\12/8/2021 10:46:		1	R371450		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	1.08647	1.08647		1	0	0	0.0206	0.1	10	109%	80	120	0%	
2-Methylnaphthalene	A	ug/L	1.16696	1.16696		1	0	0	0.0176	0.1	10	117%	80	120	0%	
Acenaphthene	A	ug/L	1.00086	1.00086		1	0	0	0.0317	0.1	10	100%	80	120	0%	
Acenaphthylene	A	ug/L	0.997	0.997		1	0	0	0.025	0.1	10	100%	80	120	0%	
Anthracene	A	ug/L	1.01893	1.01893		1	0	0	0.0283	0.1	10	102%	80	120	0%	
Benzo(a)anthracene	A	ug/L	1.04763	1.04763		1	0	0	0.0272	0.1	10	105%	80	120	0%	
Benzo(a)pyrene	A	ug/L	1.03341	1.03341		1	0	0	0.0347	0.1	10	103%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	1.01491	1.01491		1	0	0	0.0226	0.1	10	101%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	0.97114	0.97114		1	0	0	0.0267	0.1	10	97%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	1.01272	1.01272		1	0	0	0.0295	0.1	10	101%	80	120	0%	
Chrysene	A	ug/L	0.99954	0.99954		1	0	0	0.0458	0.1	10	100%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	1.07708	1.07708		1	0	0	0.0367	0.1	10	108%	80	120	0%	
Fluoranthene	A	ug/L	1.02831	1.02831		1	0	0	0.0233	0.1	10	103%	80	120	0%	
Fluorene	A	ug/L	1.04344	1.04344		1	0	0	0.0225	0.1	10	104%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	1.0357	1.0357		1	0	0	0.0491	0.1	10	104%	80	120	0%	
Naphthalene	A	ug/L	1.10098	1.10098		1	0	0	0.029	0.1	10	110%	80	120	0%	
Phenanthrene	A	ug/L	1.03993	1.03993		1	0	0	0.0295	0.1	10	104%	80	120	0%	
Pyrene	A	ug/L	0.98341	0.98341		1	0	0	0.0239	0.1	10	98%	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	0.96238	0.96238		1	0	0	0.0444	0.1	10	96%	80	120	0%	
Nitrobenzene-d5	S	ug/L	1.01748	1.01748		1	0	0	0.0523	0.1	10	102%	80	120	0%	
Terphenyl-d14	S	ug/L	0.96531	0.96531		1	0	0	0.0563	0.1	10	97%	80	120	0%	
o-Terphenyl	X	ug/L	1.03123	1.03123		1	0	0	0.0654	0.1	10	103%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911144	08-Dec-21_CAL	SVOC-8270-W-	ICAL	/5975.I\sh120821\12/8/2021 11:18:		1	R371450		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
14911144	08-Dec-21_CAL	SVOC-8270-W-	ICAL	/5975.I\sh120821\12/8/2021 11:18:		1	R371450		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0.47129	0.47129		0.5	0	0	0.0206	0.1	10	94%	80	120	0%	
2-Methylnaphthalene	A	ug/L	0.54841	0.54841		0.5	0	0	0.0176	0.1	10	110%	80	120	0%	
Acenaphthene	A	ug/L	0.51052	0.51052		0.5	0	0	0.0317	0.1	10	102%	80	120	0%	
Acenaphthylene	A	ug/L	0.49959	0.49959		0.5	0	0	0.025	0.1	10	100%	80	120	0%	
Anthracene	A	ug/L	0.4904	0.4904		0.5	0	0	0.0283	0.1	10	98%	80	120	0%	
Benzo(a)anthracene	A	ug/L	0.51959	0.51959		0.5	0	0	0.0272	0.1	10	104%	80	120	0%	
Benzo(a)pyrene	A	ug/L	0.51437	0.51437		0.5	0	0	0.0347	0.1	10	103%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	0.4734	0.4734		0.5	0	0	0.0226	0.1	10	95%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	0.44573	0.44573		0.5	0	0	0.0267	0.1	10	89%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	0.48733	0.48733		0.5	0	0	0.0295	0.1	10	97%	80	120	0%	
Chrysene	A	ug/L	0.52351	0.52351		0.5	0	0	0.0458	0.1	10	105%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	0.45444	0.45444		0.5	0	0	0.0367	0.1	10	91%	80	120	0%	
Fluoranthene	A	ug/L	0.47968	0.47968		0.5	0	0	0.0233	0.1	10	96%	80	120	0%	
Fluorene	A	ug/L	0.48655	0.48655		0.5	0	0	0.0225	0.1	10	97%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0.48183	0.48183		0.5	0	0	0.0491	0.1	10	96%	80	120	0%	
Naphthalene	A	ug/L	0.50626	0.50626		0.5	0	0	0.029	0.1	10	101%	80	120	0%	
Phenanthrene	A	ug/L	0.51921	0.51921		0.5	0	0	0.0295	0.1	10	104%	80	120	0%	
Pyrene	A	ug/L	0.51544	0.51544		0.5	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%			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	0.48052	0.48052		0.5	0	0	0.0444	0.1	10	96%	80	120	0%	
Nitrobenzene-d5	S	ug/L	0.44206	0.44206		0.5	0	0	0.0523	0.1	10	88%	80	120	0%	
Terphenyl-d14	S	ug/L	0.50144	0.50144		0.5	0	0	0.0563	0.1	10	100%	80	120	0%	
o-Terphenyl	X	ug/L	0.51849	0.51849		0.5	0	0	0.0654	0.1	10	104%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911145	08-Dec-21_CAL	SVOC-8270-W-	ICAL	/5975.I\sh120821\12/8/2021 11:51:		1	R371450		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
14911145	08-Dec-21_CAL	SVOC-8270-W-	ICAL	/5975.I\sh120821\12/8/2021 11:51:		1	R371450		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0.19988	0.19988		0.2	0	0	0.0206	0.1	10	100%	80	120	0%	
2-Methylnaphthalene	A	ug/L	0.18928	0.18928		0.2	0	0	0.0176	0.1	10	95%	80	120	0%	
Acenaphthene	A	ug/L	0.2058	0.2058		0.2	0	0	0.0317	0.1	10	103%	80	120	0%	
Acenaphthylene	A	ug/L	0.2127	0.2127		0.2	0	0	0.025	0.1	10	106%	80	120	0%	
Anthracene	A	ug/L	0.20806	0.20806		0.2	0	0	0.0283	0.1	10	104%	80	120	0%	
Benzo(a)anthracene	A	ug/L	0.20688	0.20688		0.2	0	0	0.0272	0.1	10	103%	80	120	0%	
Benzo(a)pyrene	A	ug/L	0.18999	0.18999		0.2	0	0	0.0347	0.1	10	95%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	0.19329	0.19329		0.2	0	0	0.0226	0.1	10	97%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	0.19771	0.19771		0.2	0	0	0.0267	0.1	10	99%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	0.20863	0.20863		0.2	0	0	0.0295	0.1	10	104%	80	120	0%	
Chrysene	A	ug/L	0.22091	0.22091		0.2	0	0	0.0458	0.1	10	110%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	0.18644	0.18644		0.2	0	0	0.0367	0.1	10	93%	80	120	0%	
Fluoranthene	A	ug/L	0.1977	0.1977		0.2	0	0	0.0233	0.1	10	99%	80	120	0%	
Fluorene	A	ug/L	0.21557	0.21557		0.2	0	0	0.0225	0.1	10	108%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0.19891	0.19891		0.2	0	0	0.0491	0.1	10	99%	80	120	0%	
Naphthalene	A	ug/L	0.19319	0.19319		0.2	0	0	0.029	0.1	10	97%	80	120	0%	
Phenanthrene	A	ug/L	0.20713	0.20713		0.2	0	0	0.0295	0.1	10	104%	80	120	0%	
Pyrene	A	ug/L	0.20829	0.20829		0.2	0	0	0.0239	0.1	10	104%	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	0.21058	0.21058		0.2	0	0	0.0444	0.1	10	105%	80	120	0%	
Nitrobenzene-d5	S	ug/L	0.17525	0.17525		0.2	0	0	0.0523	0.1	10	88%	80	120	0%	
Terphenyl-d14	S	ug/L	0.20972	0.20972		0.2	0	0	0.0563	0.1	10	105%	80	120	0%	
o-Terphenyl	X	ug/L	0.2059	0.2059		0.2	0	0	0.0654	0.1	10	103%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911146	08-Dec-21_CAL	SVOC-8270-W-	ICAL	/5975.I\sh120821\12/8/2021 12:23:		1	R371450		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
14911146	08-Dec-21_CAL	SVOC-8270-W-	ICAL	/5975.I\sh120821\12/8/2021 12:23:		1	R371450		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0.09623	0.09623		0.1	0	0	0.0206	0.1	10	96%	50	150	0%	
2-Methylnaphthalene	A	ug/L	0.08288	0.08288		0.1	0	0	0.0176	0.1	10	83%	50	150	0%	
Acenaphthene	A	ug/L	0.11671	0.11671		0.1	0	0	0.0317	0.1	10	117%	50	150	0%	
Acenaphthylene	A	ug/L	0.11084	0.11084		0.1	0	0	0.025	0.1	10	111%	50	150	0%	
Anthracene	A	ug/L	0.10524	0.10524		0.1	0	0	0.0283	0.1	10	105%	50	150	0%	
Benzo(a)anthracene	A	ug/L	0.08906	0.08906		0.1	0	0	0.0272	0.1	10	89%	50	150	0%	
Benzo(a)pyrene	A	ug/L	0.09897	0.09897		0.1	0	0	0.0347	0.1	10	99%	50	150	0%	
Benzo(b)fluoranthene	A	ug/L	0.10306	0.10306		0.1	0	0	0.0226	0.1	10	103%	50	150	0%	
Benzo(g,h,i)perylene	A	ug/L	0.11236	0.11236		0.1	0	0	0.0267	0.1	10	112%	50	150	0%	
Benzo(k)fluoranthene	A	ug/L	0.09332	0.09332		0.1	0	0	0.0295	0.1	10	93%	50	150	0%	
Chrysene	A	ug/L	0.10749	0.10749		0.1	0	0	0.0458	0.1	10	107%	50	150	0%	
Dibenzo(a,h)anthracene	A	ug/L	0.11169	0.11169		0.1	0	0	0.0367	0.1	10	112%	50	150	0%	
Fluoranthene	A	ug/L	0.10832	0.10832		0.1	0	0	0.0233	0.1	10	108%	50	150	0%	
Fluorene	A	ug/L	0.11227	0.11227		0.1	0	0	0.0225	0.1	10	112%	50	150	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0.10174	0.10174		0.1	0	0	0.0491	0.1	10	102%	50	150	0%	
Naphthalene	A	ug/L	0.09392	0.09392		0.1	0	0	0.029	0.1	10	94%	50	150	0%	
Phenanthrene	A	ug/L	0.11579	0.11579		0.1	0	0	0.0295	0.1	10	116%	50	150	0%	
Pyrene	A	ug/L	0.10717	0.10717		0.1	0	0	0.0239	0.1	10	107%	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	0.10907	0.10907		0.1	0	0	0.0444	0.1	10	109%	50	150	0%	
Nitrobenzene-d5	S	ug/L	0.12095	0.12095		0.1	0	0	0.0523	0.1	10	121%	50	150	0%	
Terphenyl-d14	S	ug/L	0.11857	0.11857		0.1	0	0	0.0563	0.1	10	119%	50	150	0%	
o-Terphenyl	X	ug/L	0.11526	0.11526		0.1	0	0	0.0654	0.1	10	115%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911147	08-Dec-21_CCV	SVOC-8270-W-	ICV	/5975.I\sh120821\12/8/2021 12:56:		1	R371450		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
14911147	08-Dec-21_CCV	SVOC-8270-W-	ICV	/5975.I\sh120821\12/8/2021 12:56:		1	R371450		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.19197	2.19197		2	0	0	0.0206	0.1	10	110%	80	120	0%	
2-Methylnaphthalene	A	ug/L	2.15023	2.15023		2	0	0	0.0176	0.1	10	108%	80	120	0%	
Acenaphthene	A	ug/L	2.13593	2.13593		2	0	0	0.0317	0.1	10	107%	80	120	0%	
Acenaphthylene	A	ug/L	1.89673	1.89673		2	0	0	0.025	0.1	10	95%	80	120	0%	
Anthracene	A	ug/L	2.06294	2.06294		2	0	0	0.0283	0.1	10	103%	80	120	0%	
Benzo(a)anthracene	A	ug/L	2.25868	2.25868		2	0	0	0.0272	0.1	10	113%	80	120	0%	
Benzo(a)pyrene	A	ug/L	2.11361	2.11361		2	0	0	0.0347	0.1	10	106%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	2.09294	2.09294		2	0	0	0.0226	0.1	10	105%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	2.08476	2.08476		2	0	0	0.0267	0.1	10	104%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	2.20836	2.20836		2	0	0	0.0295	0.1	10	110%	80	120	0%	
Chrysene	A	ug/L	2.0522	2.0522		2	0	0	0.0458	0.1	10	103%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	1.98142	1.98142		2	0	0	0.0367	0.1	10	99%	80	120	0%	
Fluoranthene	A	ug/L	2.20604	2.20604		2	0	0	0.0233	0.1	10	110%	80	120	0%	
Fluorene	A	ug/L	2.02337	2.02337		2	0	0	0.0225	0.1	10	101%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	2.12853	2.12853		2	0	0	0.0491	0.1	10	106%	80	120	0%	
Naphthalene	A	ug/L	2.07118	2.07118		2	0	0	0.029	0.1	10	104%	80	120	0%	
Phenanthrene	A	ug/L	2.08819	2.08819		2	0	0	0.0295	0.1	10	104%	80	120	0%	
Pyrene	A	ug/L	1.99721	1.99721		2	0	0	0.0239	0.1	10	100%	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	1.96713	1.96713		2	0	0	0.0444	0.1	10	98%	80	120	0%	
Nitrobenzene-d5	S	ug/L	2.07098	2.07098		2	0	0	0.0523	0.1	10	104%	80	120	0%	
Terphenyl-d14	S	ug/L	2.1376	2.1376		2	0	0	0.0563	0.1	10	107%	80	120	0%	
o-Terphenyl	X	ug/L	2.2363	2.2363		2	0	0	0.0654	0.1	10	112%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911148	08-Dec-21_ISTB	SVOC-8270-W-	SAMP	/5975.I\sh120821\12/8/2021 1:28:5		1	R371450		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
14911148	08-Dec-21_ISTB	SVOC-8270-W-	SAMP	/5975.I\sh120821\12/8/2021 1:28:5	1	R371450			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
14911149	MB-161925	SVOC-8270-W-	MBLK	/5975.I\sh120821\12/8/2021 2:01:2	1	161925	12/6/2021 1		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
14911149	MB-161925	SVOC-8270-W-	MBLK	/5975.I\sh120821\12/8/2021 2:01:2		1	161925	12/6/2021	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	0.0206	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		0%			0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911150	MB-161925	SVOC-8270-W-	MBLK	/5975.I\sh120821\12/8/2021 2:33:5		20	161925	12/6/2021	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2-Fluorobiphenyl	S	ug/L	2.84548	56.9096		100	0	0	0.888	2	10	57%	53	106	0%	
Nitrobenzene-d5	S	ug/L	3.65445	73.089		100	0	0	1.046	2	10	73%	55	111	0%	
Terphenyl-d14	S	ug/L	5.69863	113.9726		100	0	0	1.126	2	10	114%	58	132	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911151	LLCS-161925	SVOC-8270-W-	LCS-DOD	/5975.I\sh120821\12/8/2021 3:06:2		1	161925	12/6/2021	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	3.27413	3.27413		5	0	0	0.0206	0.1	10	65%	41	115	0%	
2-Methylnaphthalene	A	ug/L	3.41473	3.41473		5	0	0	0.0176	0.1	10	68%	39	114	0%	
Acenaphthene	A	ug/L	3.80643	3.80643		5	0	0	0.0317	0.1	10	76%	48	114	0%	
Acenaphthylene	A	ug/L	3.44626	3.44626		5	0	0	0.025	0.1	10	69%	35	121	0%	
Anthracene	A	ug/L	4.26971	4.26971		5	0	0	0.0283	0.1	10	85%	53	119	0%	
Benzo(a)anthracene	A	ug/L	4.80073	4.80073		5	0	0	0.0272	0.1	10	96%	59	120	0%	
Benzo(a)pyrene	A	ug/L	4.48044	4.48044		5	0	0	0.0347	0.1	10	90%	53	120	0%	
Benzo(b)fluoranthene	A	ug/L	4.87364	4.87364		5	0	0	0.0226	0.1	10	97%	53	126	0%	
Benzo(g,h,i)perylene	A	ug/L	4.82342	4.82342		5	0	0	0.0267	0.1	10	96%	44	128	0%	
Benzo(k)fluoranthene	A	ug/L	4.70272	4.70272		5	0	0	0.0295	0.1	10	94%	54	125	0%	
Chrysene	A	ug/L	4.20576	4.20576		5	0	0	0.0458	0.1	10	84%	57	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.90504	4.90504		5	0	0	0.0367	0.1	10	98%	44	141	0%	
Fluoranthene	A	ug/L	4.39963	4.39963		5	0	0	0.0233	0.1	10	88%	58	120	0%	
Fluorene	A	ug/L	3.82129	3.82129		5	0	0	0.0225	0.1	10	76%	50	118	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.74376	4.74376		5	0	0	0.0491	0.1	10	95%	48	130	0%	
Naphthalene	A	ug/L	3.26139	3.26139		5	0	0	0.029	0.1	10	65%	43	114	0%	
Phenanthrene	A	ug/L	3.97959	3.97959		5	0	0	0.0295	0.1	10	80%	53	115	0%	
Pyrene	A	ug/L	4.09935	4.09935		5	0	0	0.0239	0.1	10	82%	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		0%			0%	
2-Fluorobiphenyl	S	ug/L	3.73411	3.73411		5	0	0	0.0444	0.1	10	75%	53	106	0%	
Nitrobenzene-d5	S	ug/L	3.50199	3.50199		5	0	0	0.0523	0.1	10	70%	55	111	0%	
Terphenyl-d14	S	ug/L	4.91477	4.91477		5	0	0	0.0563	0.1	10	98%	58	132	0%	
o-Terphenyl	X	ug/L	4.09107	4.09107		5	0	0	0.0654	0.1	10	82%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911152	LLCSD-161925	SVOC-8270-W-	LCSD-DOD	/5975.I\sh120821\12/8/2021 3:38:5		1	161925	12/6/2021 3:		0	1E+07

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
14911152	LLCSD-161925	SVOC-8270-W-	LCSD-DOD	/5975.I\sh120821\12/8/2021 3:38:5		1	161925	12/6/2021 3:	0	1E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	4.15429	4.15429		5	0	3.27413	0.0206	0.1	10	83%	41	115	24%	
2-Methylnaphthalene	A	ug/L	4.15573	4.15573		5	0	3.41473	0.0176	0.1	10	83%	39	114	20%	
Acenaphthene	A	ug/L	4.44893	4.44893		5	0	3.80643	0.0317	0.1	10	89%	48	114	16%	
Acenaphthylene	A	ug/L	4.38787	4.38787		5	0	3.44626	0.025	0.1	10	88%	35	121	24%	
Anthracene	A	ug/L	5.02223	5.02223		5	0	4.26971	0.0283	0.1	10	100%	53	119	16%	
Benzo(a)anthracene	A	ug/L	5.51812	5.51812		5	0	4.80073	0.0272	0.1	10	110%	59	120	14%	
Benzo(a)pyrene	A	ug/L	4.98937	4.98937		5	0	4.48044	0.0347	0.1	10	100%	53	120	11%	
Benzo(b)fluoranthene	A	ug/L	5.4263	5.4263		5	0	4.87364	0.0226	0.1	10	109%	53	126	11%	
Benzo(g,h,i)perylene	A	ug/L	5.61445	5.61445		5	0	4.82342	0.0267	0.1	10	112%	44	128	15%	
Benzo(k)fluoranthene	A	ug/L	5.02497	5.02497		5	0	4.70272	0.0295	0.1	10	100%	54	125	7%	
Chrysene	A	ug/L	4.83773	4.83773		5	0	4.20576	0.0458	0.1	10	97%	57	120	14%	
Dibenzo(a,h)anthracene	A	ug/L	5.83759	5.83759		5	0	4.90504	0.0367	0.1	10	117%	44	141	17%	
Fluoranthene	A	ug/L	5.11123	5.11123		5	0	4.39963	0.0233	0.1	10	102%	58	120	15%	
Fluorene	A	ug/L	4.76231	4.76231		5	0	3.82129	0.0225	0.1	10	95%	50	118	22%	
Indeno(1,2,3-cd)pyrene	A	ug/L	5.39704	5.39704		5	0	4.74376	0.0491	0.1	10	108%	48	130	13%	
Naphthalene	A	ug/L	3.80888	3.80888		5	0	3.26139	0.029	0.1	10	76%	43	114	15%	
Phenanthrene	A	ug/L	4.44434	4.44434		5	0	3.97959	0.0295	0.1	10	89%	53	115	11%	
Pyrene	A	ug/L	5.00524	5.00524		5	0	4.09935	0.0239	0.1	10	100%	53	121	20%	
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	4.20489	4.20489		5	0	0	0.0444	0.1	10	84%	53	106	0%	
Nitrobenzene-d5	S	ug/L	3.85698	3.85698		5	0	0	0.0523	0.1	10	77%	55	111	0%	
Terphenyl-d14	S	ug/L	5.55546	5.55546		5	0	0	0.0563	0.1	10	111%	58	132	0%	
o-Terphenyl	X	ug/L	4.6676	4.6676		5	0	4.09107	0.0654	0.1	10	93%	40	140	13%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911153	B21120381-004	SVOC-8270-W-	SAMP	/5975.I\sh120821\12/8/2021 4:11:3		1	161925	12/6/2021 3:	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
14911153	B21120381-004	SVOC-8270-W-	SAMP	/5975.I\sh120821\12/8/2021 4:11:3		1	161925	12/6/2021 3:	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	0.022866	0.111	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.019536	0.111	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.035187	0.111	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.02775	0.111	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.031413	0.111	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.030192	0.111	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.038517	0.111	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.025086	0.111	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.029637	0.111	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.032745	0.111	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.050838	0.111	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.040737	0.111	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.025863	0.111	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.024975	0.111	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.054501	0.111	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.03219	0.111	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.032745	0.111	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.026529	0.111	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	44.4		0	0	0	0.111	0.111		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	44.4		0	0	0	0.111	0.111		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	44.4		0	0	0	0.111	0.111		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	44.4		0	0	0	0.111	0.111		0%	0	0	0%	
Perylene-d12	I	ug/L	40	44.4		0	0	0	0.111	0.111		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	44.4		0	0	0	0.111	0.111		0%	0	0	0%	
2-Fluorobiphenyl	S	ug/L	3.14299	3.4887189		5.55	0	0	0.049284	0.111	10	63%	53	106	0%	
Nitrobenzene-d5	S	ug/L	2.98734	3.3159474		5.55	0	0	0.058053	0.111	10	60%	55	111	0%	
Terphenyl-d14	S	ug/L	3.8255	4.246305		5.55	0	0	0.062493	0.111	10	77%	58	132	0%	
o-Terphenyl	X	ug/L	0	0		222	0	0	0.072594	0.111	10	0%	40	140	0%	SU

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911154	B21120381-005	SVOC-8270-W-	SAMP	/5975.I\sh120821\12/8/2021 4:44:0		1	161925	12/6/2021 3:	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
14911154	B21120381-005	SVOC-8270-W-	SAMP	/5975.I\sh120821\12/8/2021 4:44:0		1	161925	12/6/2021 3:	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	0.02163	0.105	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.01848	0.105	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.033285	0.105	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.02625	0.105	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.029715	0.105	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.02856	0.105	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.036435	0.105	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.02373	0.105	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.028035	0.105	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.030975	0.105	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.04809	0.105	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.038535	0.105	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.024465	0.105	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.023625	0.105	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.051555	0.105	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.03045	0.105	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.030975	0.105	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.025095	0.105	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	42		0	0	0	0.105	0.105		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	42		0	0	0	0.105	0.105		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	42		0	0	0	0.105	0.105		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	42		0	0	0	0.105	0.105		0%	0	0	0%	
Perylene-d12	I	ug/L	40	42		0	0	0	0.105	0.105		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	42		0	0	0	0.105	0.105		0%	0	0	0%	
2-Fluorobiphenyl	S	ug/L	3.40432	3.574536		5.25	0	0	0.04662	0.105	10	68%	53	106	0%	
Nitrobenzene-d5	S	ug/L	3.4848	3.65904		5.25	0	0	0.054915	0.105	10	70%	55	111	0%	
Terphenyl-d14	S	ug/L	3.11769	3.2735745		5.25	0	0	0.059115	0.105	10	62%	58	132	0%	
o-Terphenyl	X	ug/L	0	0		210	0	0	0.06867	0.105	10	0%	40	140	0%	SU

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911155	B21120381-006	SVOC-8270-W-	SAMP	/5975.I\sh120821\12/8/2021 5:16:3		1	161925	12/6/2021 3:	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
14911155	B21120381-006	SVOC-8270-W-	SAMP	/5975.I\sh120821\12/8/2021 5:16:3		1	161925	12/6/2021 3:	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	0.020806	0.101	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.017776	0.101	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.032017	0.101	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.02525	0.101	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.028583	0.101	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.027472	0.101	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.035047	0.101	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.022826	0.101	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.026967	0.101	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.029795	0.101	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.046258	0.101	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.037067	0.101	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.023533	0.101	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.022725	0.101	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.049591	0.101	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.02929	0.101	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.029795	0.101	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.024139	0.101	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	40.4		0	0	0	0.101	0.101		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	40.4		0	0	0	0.101	0.101		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	40.4		0	0	0	0.101	0.101		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	40.4		0	0	0	0.101	0.101		0%	0	0	0%	
Perylene-d12	I	ug/L	40	40.4		0	0	0	0.101	0.101		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	40.4		0	0	0	0.101	0.101		0%	0	0	0%	
2-Fluorobiphenyl	S	ug/L	3.57553	3.6112853		5.05	0	0	0.044844	0.101	10	72%	53	106	0%	
Nitrobenzene-d5	S	ug/L	3.79793	3.8359093		5.05	0	0	0.052823	0.101	10	76%	55	111	0%	
Terphenyl-d14	S	ug/L	4.45072	4.4952272		5.05	0	0	0.056863	0.101	10	89%	58	132	0%	
o-Terphenyl	X	ug/L	0.10137	0.1023837		202	0	0	0.066054	0.101	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
14911156	B21120381-007	SVOC-8270-W-	SAMP	/5975.I\sh120821\12/8/2021 5:49:1		1	161925	12/6/2021 3:	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
14911156	B21120381-007	SVOC-8270-W-	SAMP	/5975.I\sh120821\12/8/2021 5:49:1		1	161925	12/6/2021 3:	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	0.021218	0.103	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.018128	0.103	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.032651	0.103	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.02575	0.103	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.029149	0.103	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.028016	0.103	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.035741	0.103	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.023278	0.103	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.027501	0.103	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.030385	0.103	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.047174	0.103	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.037801	0.103	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.023999	0.103	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.023175	0.103	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.050573	0.103	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.02987	0.103	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.030385	0.103	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.024617	0.103	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	41.2		0	0	0	0.103	0.103		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	41.2		0	0	0	0.103	0.103		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	41.2		0	0	0	0.103	0.103		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	41.2		0	0	0	0.103	0.103		0%	0	0	0%	
Perylene-d12	I	ug/L	40	41.2		0	0	0	0.103	0.103		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	41.2		0	0	0	0.103	0.103		0%	0	0	0%	
2-Fluorobiphenyl	S	ug/L	3.88379	4.0003037		5.15	0	0	0.045732	0.103	10	78%	53	106	0%	
Nitrobenzene-d5	S	ug/L	3.66715	3.7771645		5.15	0	0	0.053869	0.103	10	73%	55	111	0%	
Terphenyl-d14	S	ug/L	5.21376	5.3701728		5.15	0	0	0.057989	0.103	10	104%	58	132	0%	
o-Terphenyl	X	ug/L	0	0		206	0	0	0.067362	0.103	10	0%	40	140	0%	SU

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911157	B21120381-008	SVOC-8270-W-	SAMP	/5975.I\sh120821\12/8/2021 6:21:5		1	161925	12/6/2021 3:	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
14911157	B21120381-008	SVOC-8270-W-	SAMP	/5975.I\sh120821\12/8/2021 6:21:5		1	161925	12/6/2021 3:	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	0.021218	0.103	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.018128	0.103	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.032651	0.103	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.02575	0.103	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.029149	0.103	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.028016	0.103	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.035741	0.103	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.023278	0.103	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.027501	0.103	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.030385	0.103	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.047174	0.103	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.037801	0.103	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.023999	0.103	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.023175	0.103	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.050573	0.103	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.02987	0.103	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.030385	0.103	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.024617	0.103	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	41.2		0	0	0	0.103	0.103		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	41.2		0	0	0	0.103	0.103		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	41.2		0	0	0	0.103	0.103		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	41.2		0	0	0	0.103	0.103		0%	0	0	0%	
Perylene-d12	I	ug/L	40	41.2		0	0	0	0.103	0.103		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	41.2		0	0	0	0.103	0.103		0%	0	0	0%	
2-Fluorobiphenyl	S	ug/L	3.52789	3.6337267		5.15	0	0	0.045732	0.103	10	71%	53	106	0%	
Nitrobenzene-d5	S	ug/L	3.88584	4.0024152		5.15	0	0	0.053869	0.103	10	78%	55	111	0%	
Terphenyl-d14	S	ug/L	5.29411	5.4529333		5.15	0	0	0.057989	0.103	10	106%	58	132	0%	
o-Terphenyl	X	ug/L	0	0		206	0	0	0.067362	0.103	10	0%	40	140	0%	SU

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911158	B21120396-001	SVOC-8270-W-	SAMP	/5975.I\sh120821\12/8/2021 6:54:3		1	161925	12/6/2021 3:	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
14911158	B21120396-001	SVOC-8270-W-	SAMP	/5975.I\sh120821\12/8/2021 6:54:3		1	161925	12/6/2021 3:	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	0.022866	0.111	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.019536	0.111	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.03219	0.111	10	0%	0	0	0%	U
2-Fluorobiphenyl	S	ug/L	3.30568	3.6693048		5.55	0	0	0.049284	0.111	10	66%	53	106	0%	
Nitrobenzene-d5	S	ug/L	3.36727	3.7376697		5.55	0	0	0.058053	0.111	10	67%	55	111	0%	
Terphenyl-d14	S	ug/L	5.40079	5.9948769		5.55	0	0	0.062493	0.111	10	108%	58	132	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911159	B21120396-001	SVOC-8270-W-	MSD-DOD	/5975.I\sh120821\12/8/2021 7:27:0		1	161925	12/6/2021 3:	1E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.72521	2.9704789		5.45	0	0	0.022454	0.109	10	55%	41	115	0%	
2-Methylnaphthalene	A	ug/L	2.77979	3.0299711		5.45	0	0	0.019184	0.109	10	56%	39	114	0%	
Acenaphthene	A	ug/L	3.37893	3.6830337		5.45	0	0	0.034553	0.109	10	68%	48	114	0%	
Acenaphthylene	A	ug/L	3.73684	4.0731556		5.45	0	0	0.02725	0.109	10	75%	35	121	0%	
Anthracene	A	ug/L	4.74002	5.1666218		5.45	0	0	0.030847	0.109	10	95%	53	119	0%	
Benzo(a)anthracene	A	ug/L	5.1527	5.616443		5.45	0	0	0.029648	0.109	10	103%	59	120	0%	
Benzo(a)pyrene	A	ug/L	4.69835	5.1212015		5.45	0	0	0.037823	0.109	10	94%	53	120	0%	
Benzo(b)fluoranthene	A	ug/L	5.01632	5.4677888		5.45	0	0	0.024634	0.109	10	100%	53	126	0%	
Benzo(g,h,i)perylene	A	ug/L	5.12129	5.5822061		5.45	0	0	0.029103	0.109	10	102%	44	128	0%	
Benzo(k)fluoranthene	A	ug/L	4.64504	5.0630936		5.45	0	0	0.032155	0.109	10	93%	54	125	0%	
Chrysene	A	ug/L	4.5138	4.920042		5.45	0	0	0.049922	0.109	10	90%	57	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	5.38687	5.8716883		5.45	0	0	0.040003	0.109	10	108%	44	141	0%	
Fluoranthene	A	ug/L	5.00685	5.4574665		5.45	0	0	0.025397	0.109	10	100%	58	120	0%	
Fluorene	A	ug/L	3.99753	4.3573077		5.45	0	0	0.024525	0.109	10	80%	50	118	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	5.07041	5.5267469		5.45	0	0	0.053519	0.109	10	101%	48	130	0%	
Naphthalene	A	ug/L	2.48489	2.7085301		5.45	0	0	0.03161	0.109	10	50%	43	114	0%	
Phenanthrene	A	ug/L	4.17846	4.5545214		5.45	0	0	0.032155	0.109	10	84%	53	115	0%	
Pyrene	A	ug/L	4.60071	5.0147739		5.45	0	0	0.026051	0.109	10	92%	53	121	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	43.6		0	0	0	0.109	0.109		0%			0%	
Acenaphthene-d10	I	ug/L	40	43.6		0	0	0	0.109	0.109		0%			0%	
Chrysene-d12	I	ug/L	40	43.6		0	0	0	0.109	0.109		0%			0%	
Naphthalene-d8	I	ug/L	40	43.6		0	0	0	0.109	0.109		0%			0%	
Perylene-d12	I	ug/L	40	43.6		0	0	0	0.109	0.109		0%			0%	
Phenanthrene-d10	I	ug/L	40	43.6		0	0	0	0.109	0.109		0%			0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911159	B21120396-001	SVOC-8270-W-	MSD-DOD	/5975.I\sh120821\12/8/2021 7:27:0		1	161925	12/6/2021 3:	1E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2-Fluorobiphenyl	S	ug/L	3.64493	3.9729737		5.45	0	0	0.048396	0.109	10	73%	53	106	0%	
Nitrobenzene-d5	S	ug/L	3.81732	4.1608788		5.45	0	0	0.057007	0.109	10	76%	55	111	0%	
Terphenyl-d14	S	ug/L	5.33533	5.8155097		5.45	0	0	0.061367	0.109	10	107%	58	132	0%	
o-Terphenyl	X	ug/L	4.51214	4.9182326		218	0	0	0.071286	0.109	10	2%	40	140	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911160	08-Dec-21_CCV	SVOC-8270-W-	CCV	/5975.I\sh120821\12/8/2021 7:59:3		1	R371450		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.16794	2.16794		2	0	0	0.0206	0.1	10	108%	50	150	0%	
2-Methylnaphthalene	A	ug/L	2.12101	2.12101		2	0	0	0.0176	0.1	10	106%	50	150	0%	
Acenaphthene	A	ug/L	1.842	1.842		2	0	0	0.0317	0.1	10	92%	50	150	0%	
Acenaphthylene	A	ug/L	1.7856	1.7856		2	0	0	0.025	0.1	10	89%	50	150	0%	
Anthracene	A	ug/L	1.92753	1.92753		2	0	0	0.0283	0.1	10	96%	50	150	0%	
Benzo(a)anthracene	A	ug/L	2.01828	2.01828		2	0	0	0.0272	0.1	10	101%	50	150	0%	
Benzo(a)pyrene	A	ug/L	2.03313	2.03313		2	0	0	0.0347	0.1	10	102%	50	150	0%	
Benzo(b)fluoranthene	A	ug/L	2.01959	2.01959		2	0	0	0.0226	0.1	10	101%	50	150	0%	
Benzo(g,h,i)perylene	A	ug/L	1.96541	1.96541		2	0	0	0.0267	0.1	10	98%	50	150	0%	
Benzo(k)fluoranthene	A	ug/L	1.89141	1.89141		2	0	0	0.0295	0.1	10	95%	50	150	0%	
Chrysene	A	ug/L	1.88722	1.88722		2	0	0	0.0458	0.1	10	94%	50	150	0%	
Dibenzo(a,h)anthracene	A	ug/L	1.89017	1.89017		2	0	0	0.0367	0.1	10	95%	50	150	0%	
Fluoranthene	A	ug/L	1.93892	1.93892		2	0	0	0.0233	0.1	10	97%	50	150	0%	
Fluorene	A	ug/L	1.78456	1.78456		2	0	0	0.0225	0.1	10	89%	50	150	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	2.04294	2.04294		2	0	0	0.0491	0.1	10	102%	50	150	0%	
Naphthalene	A	ug/L	1.99015	1.99015		2	0	0	0.029	0.1	10	100%	50	150	0%	
Phenanthrene	A	ug/L	1.87538	1.87538		2	0	0	0.0295	0.1	10	94%	50	150	0%	
Pyrene	A	ug/L	1.8059	1.8059		2	0	0	0.0239	0.1	10	90%	50	150	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
2-Fluorobiphenyl	S	ug/L	1.9306	1.9306		2	0	0	0.0444	0.1	10	97%	50	150	0%	
Nitrobenzene-d5	S	ug/L	2.04451	2.04451		2	0	0	0.0523	0.1	10	102%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14911160	08-Dec-21_CCV	SVOC-8270-W-	CCV	/5975.I\sh120821\12/8/2021 7:59:3		1	R371450		0	0	

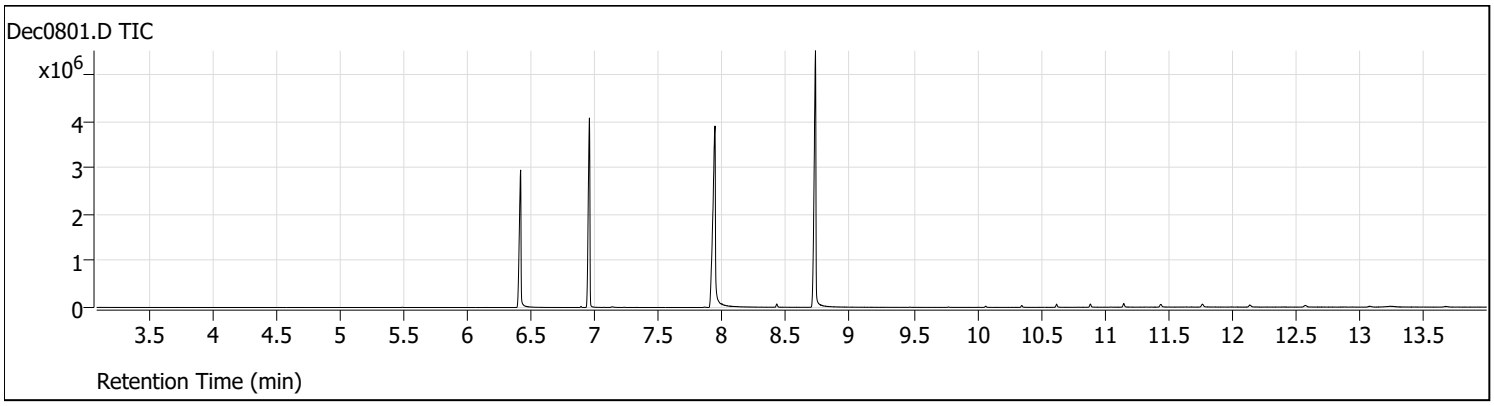
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Terphenyl-d14	S	ug/L	1.7792	1.7792		2	0	0	0.0563	0.1	10	89%	50	150	0%	
o-Terphenyl	X	ug/L	1.88095	1.88095		2	0	0	0.0654	0.1	10	94%	50	150	0%	

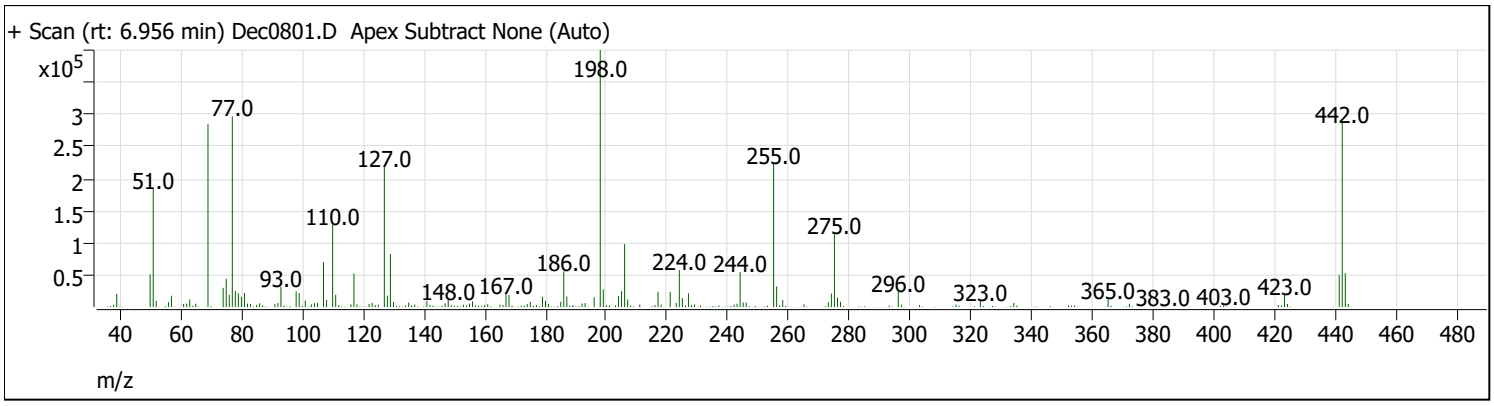
Write Sequence | Insert Entries(Have the first cell for entries selecte

File Name	Sample Name	Line No.	Test Code	Multiplier	Divisor	Method Name
Dec0801.d	08-Dec-21_TUNE_1	1		1	1	5975Tune.M
Dec0802.d	08-Dec-21_CAL_7	2	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0803.d	08-Dec-21_CAL_6	3	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0804.d	08-Dec-21_CAL_5	4	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0805.d	08-Dec-21_CAL_4	5	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0806.d	08-Dec-21_CAL_3	6	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0807.d	08-Dec-21_CAL_2	7	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0808.d	08-Dec-21_CAL_1	8	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0809.d	08-Dec-21_CCV_9	9	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0810.d	08-Dec-21_ISTBLK_10	10	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0811.d	MB-161925	11	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0812.d	MB-161925	12	SVOC-8270-W-LLPAH	20	1	5975BNASIM.M
Dec0813.d	LLCS-161925	13	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0814.d	LLCSD-161925	14	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0815.d	B21120381-004A	15	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0816.d	B21120381-005A	16	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0817.d	B21120381-006A	17	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0818.d	B21120381-007A	18	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0819.d	B21120381-008A	19	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0820.d	B21120396-001A	20	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0821.d	B21120396-001ALMS	21	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0822.d	08-Dec-21_CCV_22	22	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Dec0823.d	08-Dec-21_TUNE_23	23		1	1	5975Tune.M
Dec0824.d	08-Dec-21_CCV_24	22	SVOC-8270-S-LLPAH	1	1	5975BNASIM.M
Dec0825.d	08-Dec-21_ISTBLK_25	25	SVOC-8270-S-LLPAH	1	1	5975BNASIM.M
Dec0826.d	MB-161911	26	SVOC-8270-S-LLPAH	1	1	5975BNASIM.M
Dec0827.d	MB-161911	27	SVOC-8270-S-LLPAH	20	1	5975BNASIM.M
Dec0828.d	LLCS-161911	28	SVOC-8270-S-LLPAH	1	1	5975BNASIM.M
Dec0829.d	B21120281-001A	29	SVOC-8270-S-LLPAH	1	1	5975BNASIM.M
Dec0830.d	B21120247-001A	30	SVOC-8270-S	1	1	5975BNASIM.M
Dec0831.d	B21120247-002A	31	SVOC-8270-S	1	1	5975BNASIM.M
Dec0832.d	B21120247-003A	32	SVOC-8270-S	2	1	5975BNASIM.M
Dec0833.d	B21120247-003ALMS	33	SVOC-8270-S-LLPAH	2	1	5975BNASIM.M
Dec0834.d	B21120247-003ALMSD	34	SVOC-8270-S-LLPAH	2	1	5975BNASIM.M

Tune Evaluation Report

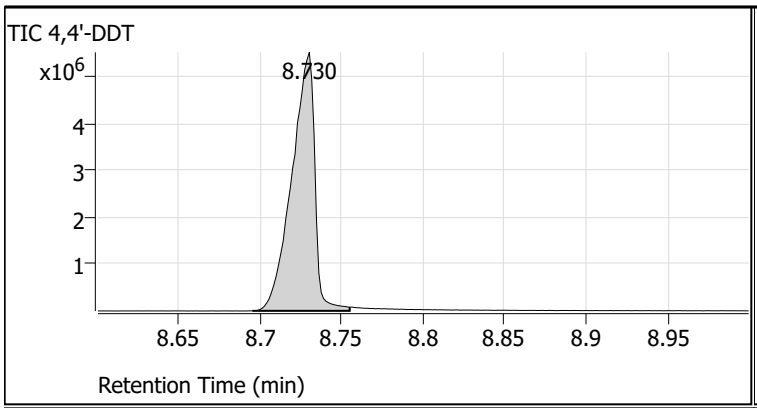
Data Path:	\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0801.D
Acq on:	12/8/2021 8:44:38 AM
Operator:	LIMS import
Sample:	08-Dec-21_TUNE_1
Inst Name:	GCMS
ALS Vial:	1
Method:	\\MASSHUNTER\Org\Data\SV5975.I\Methods\DFTPP5975625.m

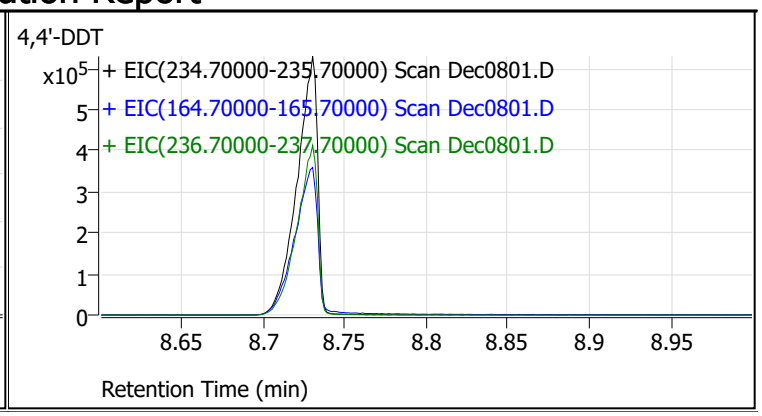


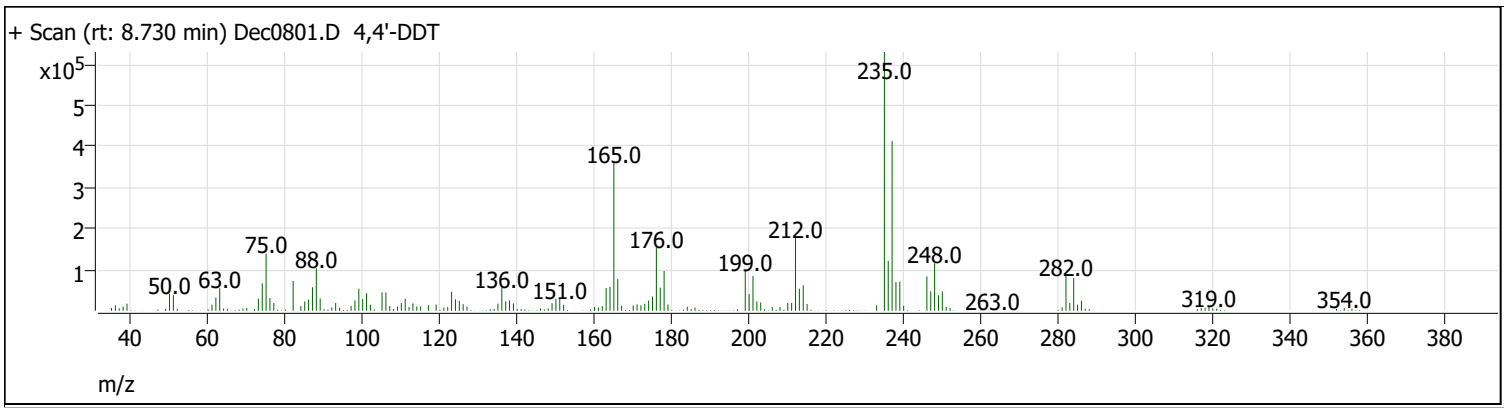


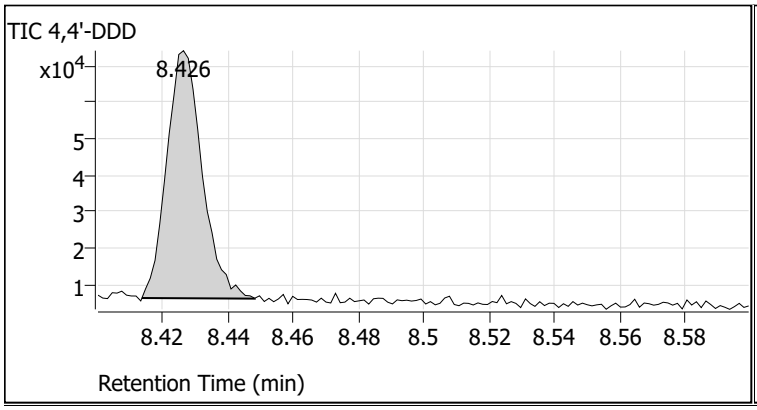
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
51	198	30	60	46.1	184576	Pass
68	69	0	2	0.0	0	Pass
70	69	0	2	0.5	1294	Pass
127	198	40	60	54.5	218368	Pass
197	198	0	1	0.0	0	Pass
198	198	100	100	100.0	400512	Pass
199	198	5	9	6.9	27552	Pass
275	198	10	30	28.3	113416	Pass
365	198	1	100	3.1	12247	Pass
441	443	1E-10	100	94.1	49832	Pass
442	198	40	100	71.7	287104	Pass
443	442	17	23	18.4	52960	Pass
69	69	100	100	100.0	285248	Pass

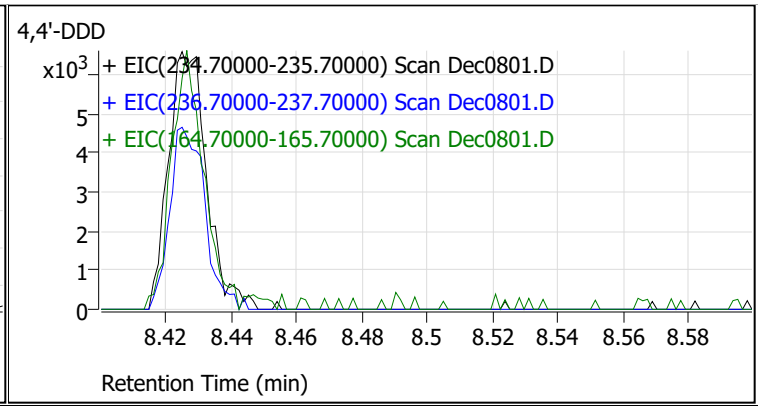
Tune Evaluation Report

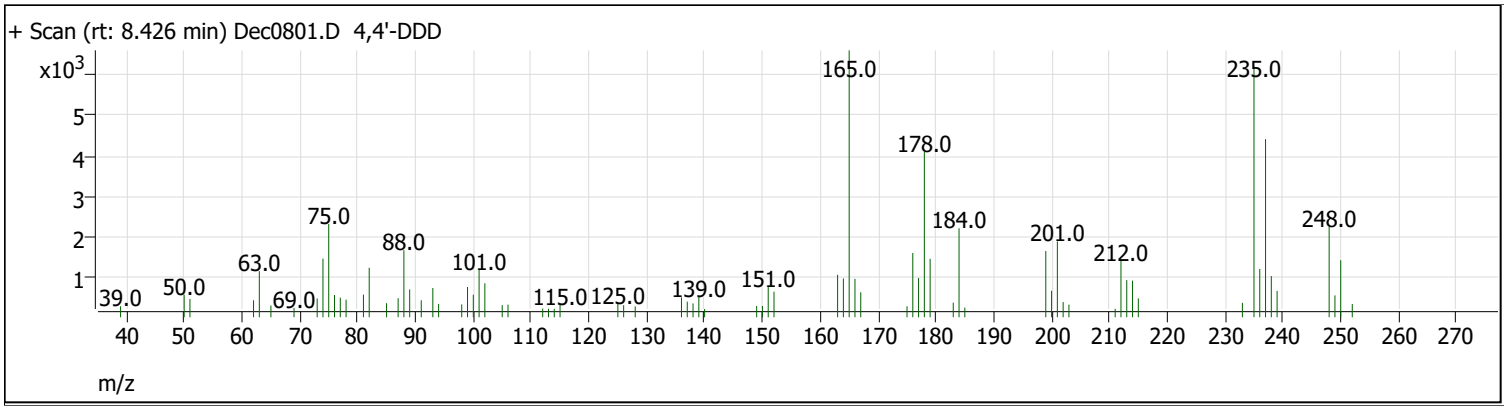


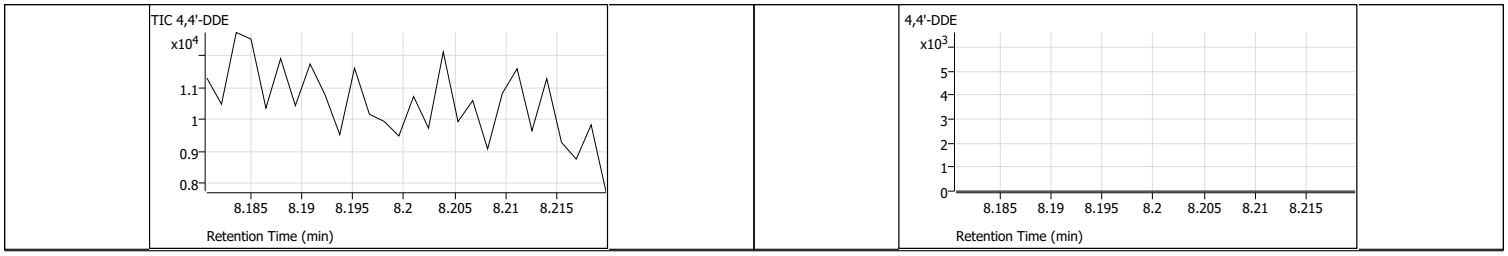




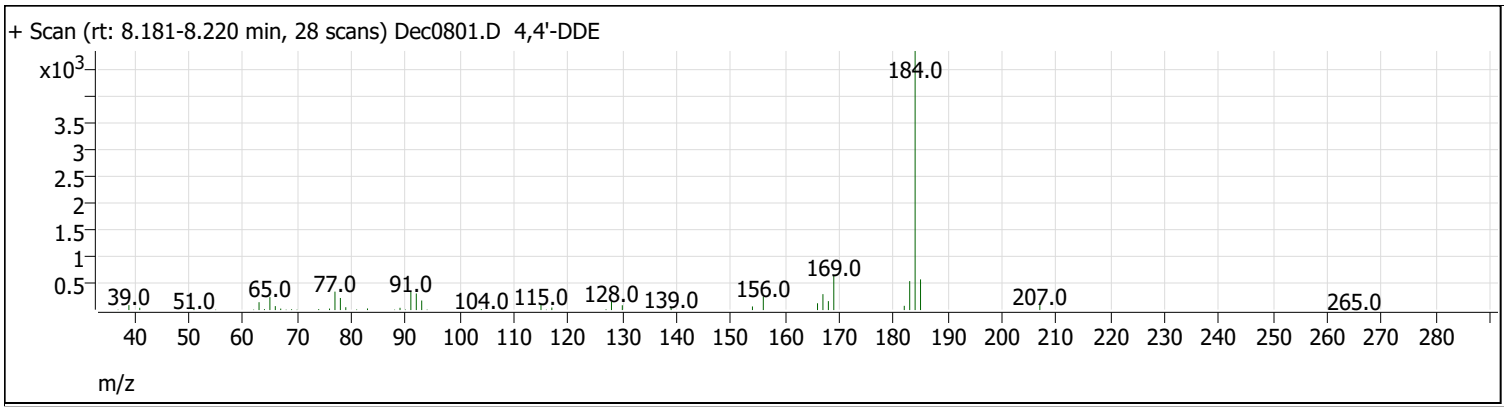






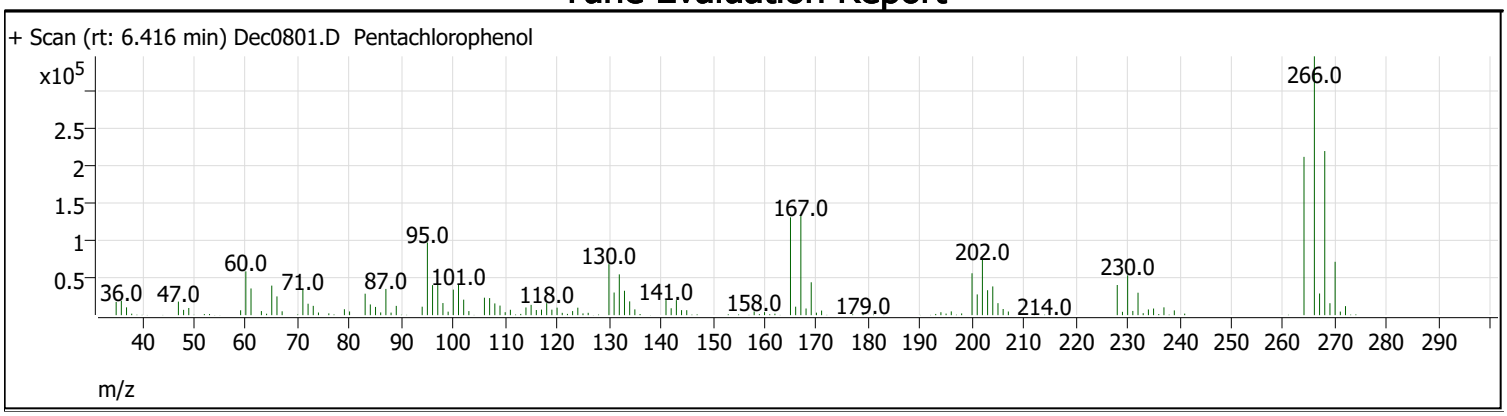


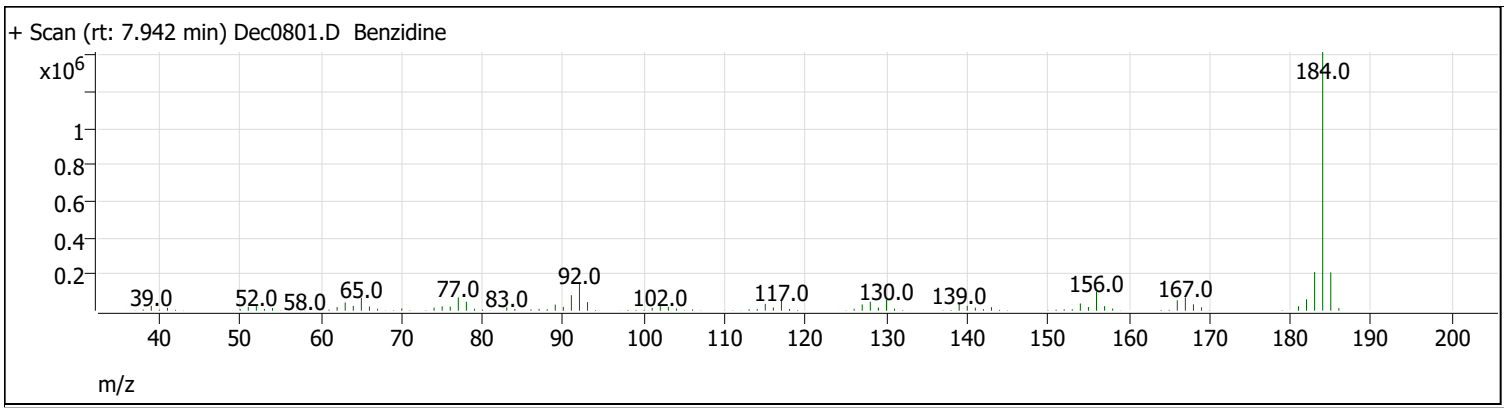
Tune Evaluation Report



Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	8.800	8.730	5366455	0.9	Pass
4,4'-DDD	8.500	8.426	51348		
4,4'-DDE	8.200	0.000	0		

Tune Evaluation Report





Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	6.800	6.416	0.3	2.2	Pass
Benzidine	8.400	7.942	0.3	1.5	Pass

Quantitative Analysis Results Summary Report

Agilent | Trusted Answers

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin		
Analysis Time	12/9/2021 2:47 PM	**Analyst Name**	BL2000\jheine
Report Time	12/17/2021 4:28:17 PM	**Reporter Name**	BL2000\jheine
Last Calib Update	12/9/2021 2:45 PM	**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
Dec0802.D	08-Dec-21_CAL_7	Cal	2	0.1	7	5975BNASIM
Dec0803.D	08-Dec-21_CAL_6	Cal	3	0.1	6	5975BNASIM
Dec0804.D	08-Dec-21_CAL_5	Cal	4	0.1	5	5975BNASIM
Dec0805.D	08-Dec-21_CAL_4	Cal	5	0.1	4	5975BNASIM
Dec0806.D	08-Dec-21_CAL_3	Cal	6	0.1	3	5975BNASIM
Dec0807.D	08-Dec-21_CAL_2	Cal	7	0.1	2	5975BNASIM
Dec0808.D	08-Dec-21_CAL_1	Cal	8	0.1	1	5975BNASIM
Dec0809.D	08-Dec-21_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
Dec0802.D	Calibration	1,4-Dichlorobenzene-d4	5.143	63352	520175	0.1218	9.9657	10.0000	99.7
Dec0803.D	Calibration	1,4-Dichlorobenzene-d4	5.143	30294	512330	0.0591	5.0765	5.0000	101.5
Dec0804.D	Calibration	1,4-Dichlorobenzene-d4	5.143	11103	497306	0.0223	2.0014	2.0000	100.1
Dec0805.D	Calibration	1,4-Dichlorobenzene-d4	5.143	5252	478532	0.0110	1.0175	1.0000	101.7
Dec0806.D	Calibration	1,4-Dichlorobenzene-d4	5.156	1921	433423	0.0044	0.4421	0.5000	88.4
Dec0807.D	Calibration	1,4-Dichlorobenzene-d4	5.156	601	422350	0.0014	0.1752	0.2000	87.6
Dec0808.D	Calibration	1,4-Dichlorobenzene-d4	5.156	312	384620	0.0008	0.1209	0.1000	120.9
Dec0809.D	QC	1,4-Dichlorobenzene-d4	5.143	10722	463423	0.0231	2.0710	2.0000	103.5

Compound: Naphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Dec0802.D	Calibration	Naphthalene-d8	5.978	250564	946833	0.2646	10.1034	10.0000	101.0
Dec0803.D	Calibration	Naphthalene-d8	5.978	117695	914866	0.1286	4.7679	5.0000	95.4
Dec0804.D	Calibration	Naphthalene-d8	5.978	47245	840196	0.0562	2.0352	2.0000	101.8
Dec0805.D	Calibration	Naphthalene-d8	5.978	25066	807384	0.0310	1.1010	1.0000	110.1
Dec0806.D	Calibration	Naphthalene-d8	5.978	10910	732259	0.0149	0.5063	0.5000	101.3
Dec0807.D	Calibration	Naphthalene-d8	5.978	4555	715882	0.0064	0.1932	0.2000	96.6
Dec0808.D	Calibration	Naphthalene-d8	5.978	2344	642082	0.0037	0.0939	0.1000	93.9
Dec0809.D	QC	Naphthalene-d8	5.978	45632	797804	0.0572	2.0712	2.0000	103.6

Compound: 2-Methylnaphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Dec0802.D	Calibration	Naphthalene-d8	6.802	162051	946833	0.1712	10.1473	10.0000	101.5
Dec0803.D	Calibration	Naphthalene-d8	6.802	68017	914866	0.0743	4.6249	5.0000	92.5
Dec0804.D	Calibration	Naphthalene-d8	6.815	27289	840196	0.0325	2.0411	2.0000	102.1

Compound: 2-Methylnaphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Dec0805.D	Calibration	Naphthalene-d8	6.815	15186	807384	0.0188	1.1670	1.0000	116.7
Dec0806.D	Calibration	Naphthalene-d8	6.815	6800	732259	0.0093	0.5484	0.5000	109.7
Dec0807.D	Calibration	Naphthalene-d8	6.815	2732	715882	0.0038	0.1893	0.2000	94.6
Dec0808.D	Calibration	Naphthalene-d8	6.815	1415	642082	0.0022	0.0829	0.1000	82.9
Dec0809.D	QC	Naphthalene-d8	6.815	27288	797804	0.0342	2.1502	2.0000	107.5

Compound: 1-Methylnaphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Dec0802.D	Calibration	Naphthalene-d8	6.915	170511	946833	0.1801	10.0833	10.0000	100.8
Dec0803.D	Calibration	Naphthalene-d8	6.915	74869	914866	0.0818	4.7698	5.0000	95.4
Dec0804.D	Calibration	Naphthalene-d8	6.915	29887	840196	0.0356	2.0934	2.0000	104.7
Dec0805.D	Calibration	Naphthalene-d8	6.927	15117	807384	0.0187	1.0865	1.0000	108.6
Dec0806.D	Calibration	Naphthalene-d8	6.927	6283	732259	0.0086	0.4713	0.5000	94.3
Dec0807.D	Calibration	Naphthalene-d8	6.927	2966	715882	0.0041	0.1999	0.2000	99.9
Dec0808.D	Calibration	Naphthalene-d8	6.927	1575	642082	0.0025	0.0962	0.1000	96.2
Dec0809.D	QC	Naphthalene-d8	6.915	29707	797804	0.0372	2.1920	2.0000	109.6

Compound: 2-Fluorobiphenyl

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Dec0802.D	Calibration	Acenaphthene-d10	7.277	265748	512450	0.5186	10.2789	10.0000	102.8
Dec0803.D	Calibration	Acenaphthene-d10	7.277	118868	497082	0.2391	4.7399	5.0000	94.8
Dec0804.D	Calibration	Acenaphthene-d10	7.277	44496	460731	0.0966	1.9143	2.0000	95.7
Dec0805.D	Calibration	Acenaphthene-d10	7.277	21903	451100	0.0486	0.9624	1.0000	96.2
Dec0806.D	Calibration	Acenaphthene-d10	7.277	9893	408092	0.0242	0.4805	0.5000	96.1
Dec0807.D	Calibration	Acenaphthene-d10	7.277	4272	402087	0.0106	0.2106	0.2000	105.3
Dec0808.D	Calibration	Acenaphthene-d10	7.277	2124	385918	0.0055	0.1091	0.1000	109.1
Dec0809.D	QC	Acenaphthene-d10	7.277	43438	437692	0.0992	1.9671	2.0000	98.4

Compound: Terphenyl-d14

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Dec0802.D	Calibration	Chrysene-d12	12.300	140769	803306	0.1752	9.7884	10.0000	97.9
Dec0803.D	Calibration	Chrysene-d12	12.300	65009	772613	0.0841	4.7000	5.0000	94.0
Dec0804.D	Calibration	Chrysene-d12	12.300	23213	737861	0.0315	1.7573	2.0000	87.9
Dec0805.D	Calibration	Chrysene-d12	12.300	12761	738428	0.0173	0.9653	1.0000	96.5
Dec0806.D	Calibration	Chrysene-d12	12.300	5254	585314	0.0090	0.5014	0.5000	100.3
Dec0807.D	Calibration	Chrysene-d12	12.300	2258	601357	0.0038	0.2097	0.2000	104.9
Dec0808.D	Calibration	Chrysene-d12	12.300	1245	586447	0.0021	0.1186	0.1000	118.6
Dec0809.D	QC	Chrysene-d12	12.300	26596	694991	0.0383	2.1376	2.0000	106.9

Initial Calibration Report - GCMS

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Method Path
Method File
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Last Calib Update 12/9/2021 2:45:11 PM

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Compound	Curve Fit	7	6	5	4	3	2	1	Avg RF	%RSD
I 1,4-Dichlorobenzene-d4				---------- ISTD ----------						
S Nitrobenzene-d5	Quadratic	0.4872	0.4730	0.4465	0.4390	0.3546	0.2846	0.3250	0.4014	19.720
I Naphthalene-d8				---------- ISTD ----------						
T Naphthalene	Quadratic	1.0585	1.0292	1.1246	1.2418	1.1919	1.2725	1.4603	1.1970	12.280
T 2-Methylnaphthalene	Quadratic	0.6846	0.5948	0.6496	0.7524	0.7430	0.7632	0.8812	0.7241	12.759
T 1-Methylnaphthalene	Quadratic	0.7203	0.6547	0.7114	0.7489	0.6865	0.8285	0.9814	0.7617	14.604
I Acenaphthene-d10				---------- ISTD ----------						
S 2-Fluorobiphenyl	Avg RF	2.0743	1.9131	1.9316	1.9421	1.9394	2.1248	2.2010	2.0181	5.668
I Chrysene-d12				---------- ISTD ----------						
S Terphenyl-d14	Avg RF	0.7009	0.6731	0.6292	0.6913	0.7182	0.7509	0.8491	0.7161	9.733

(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 = 0.170323 * x ^ 2 + 0.448588 * x - 5.454810E-004	0.999130
T Naphthalene	Quadratic	y = -0.200723 * x ^ 2 + 1.094120 * x + 0.001083	0.998545
T 2-Methylnaphthalene	Quadratic	y = 0.261657 * x ^ 2 + 0.604548 * x + 9.493387E-004	0.996016
T 1-Methylnaphthalene	Quadratic	y = 0.241149 * x ^ 2 + 0.650080 * x + 8.880963E-004	0.998502

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

Calibration Report

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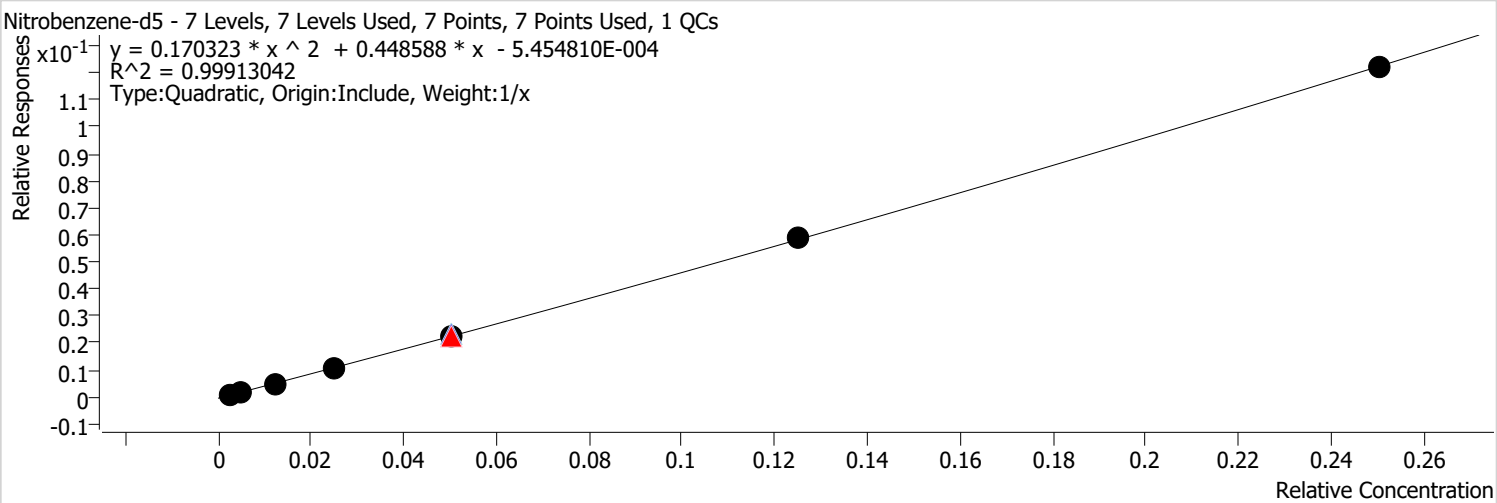
Report Time	12/17/2021 4:24:49 PM	**Reporter Name**	BL2000\jheine
Last Calib Update	12/9/2021 2:45 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Nitrobenzene-d5 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin		
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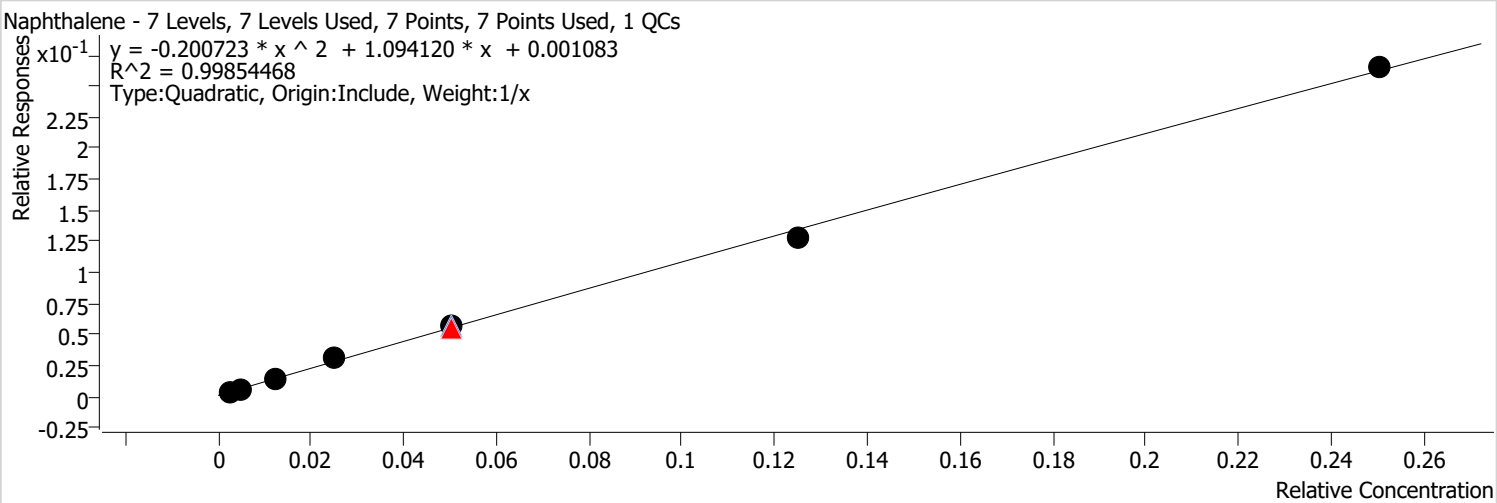
Last Calib Update	12/9/2021 2:45 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 6.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0806.D	Calibration	3	x	10910	0.5000	1.1919	
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\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0809.D	QC	ICV	x	45632	2.0000	1.1440	
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Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin		
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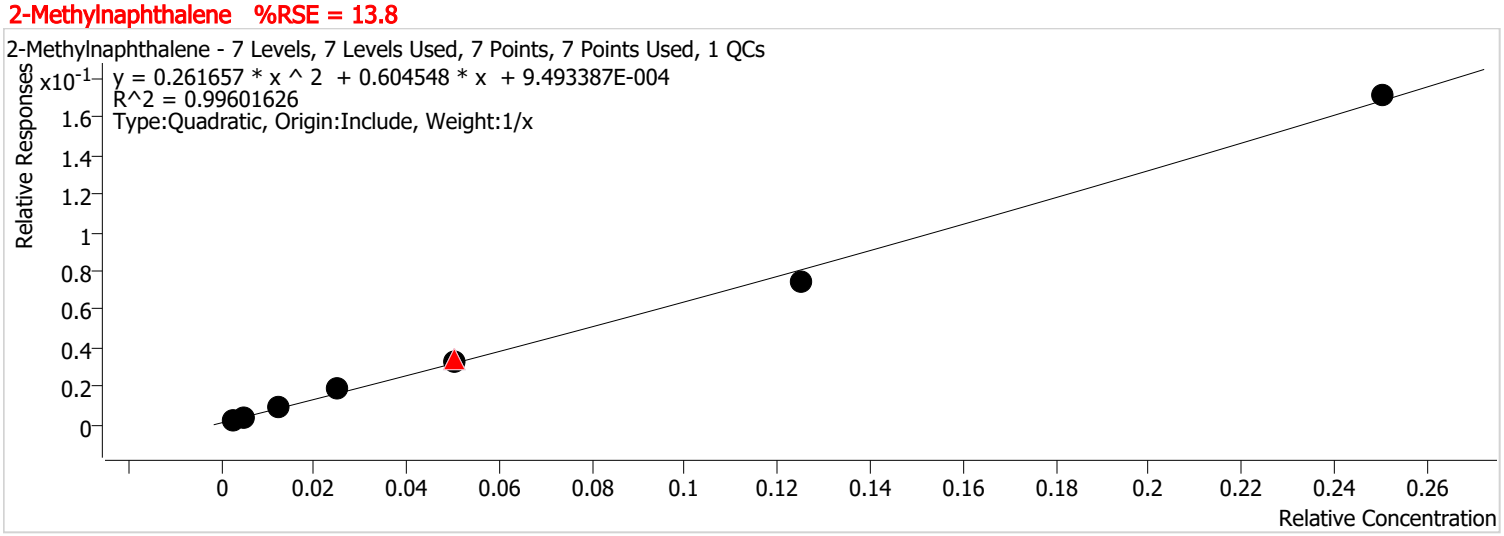
Report Time	12/17/2021 4:24:54 PM	**Reporter Name**	BL2000\jheine
Last Calib Update	12/9/2021 2:45 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Methylnaphthalene %RSE = 13.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin		
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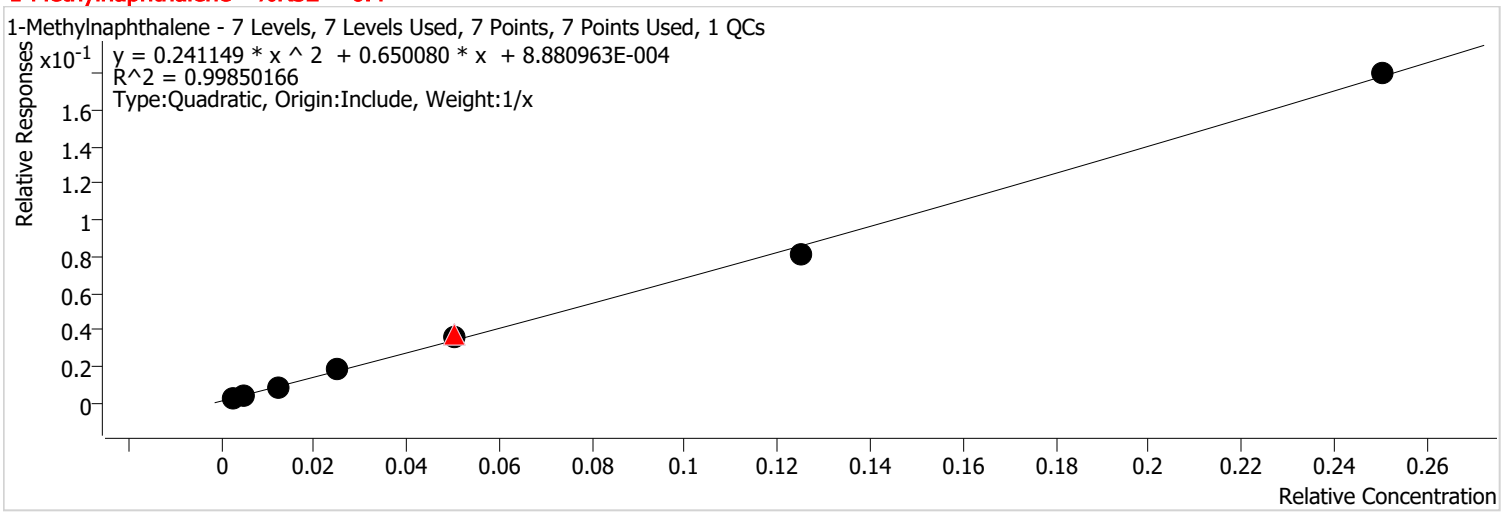
Last Calib Update	12/9/2021 2:45 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1-Methylnaphthalene %RSE = 6.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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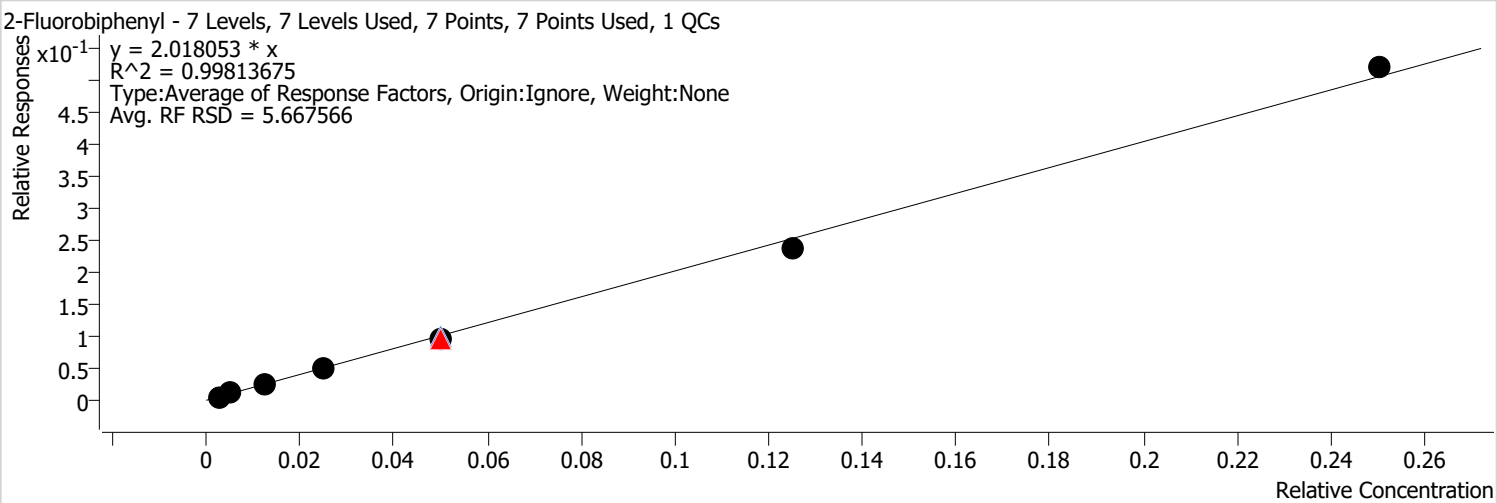
Report Time	12/17/2021 4:24:54 PM	**Reporter Name**	BL2000\jheine
Last Calib Update	12/9/2021 2:45 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Fluorobiphenyl %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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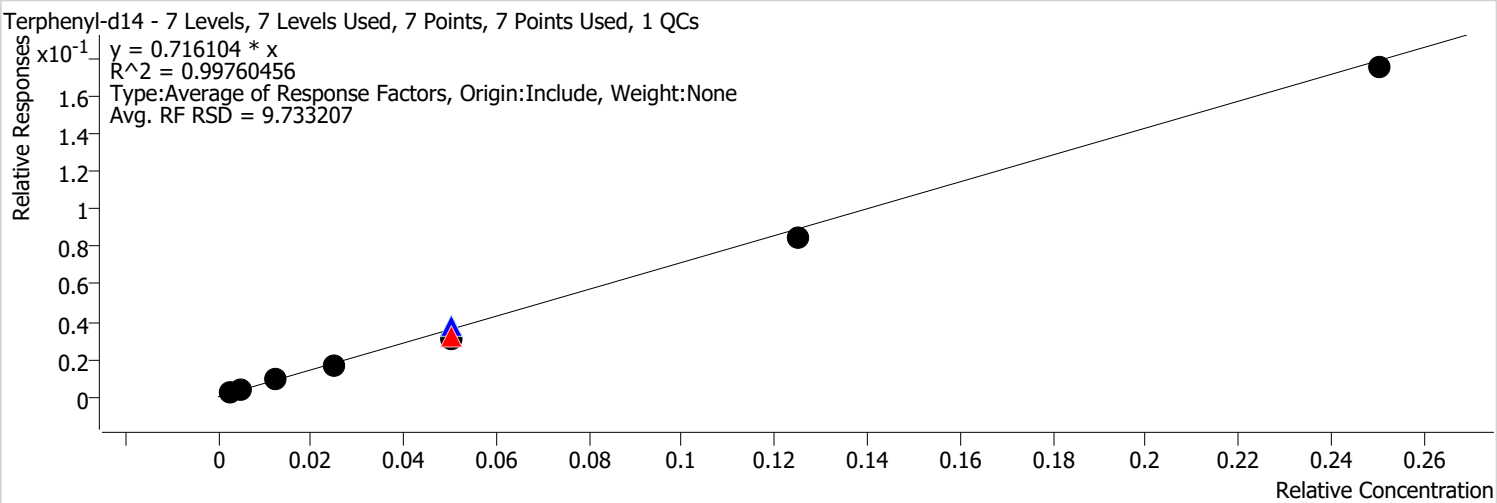
Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin		
Analysis Time	12/9/2021 2:47 PM	**Analyst Name**	BL2000\jheine
Report Time	12/17/2021 4:24:54 PM	**Reporter Name**	BL2000\jheine
Last Calib Update	12/9/2021 2:45 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Terphenyl-d14 %RSE =

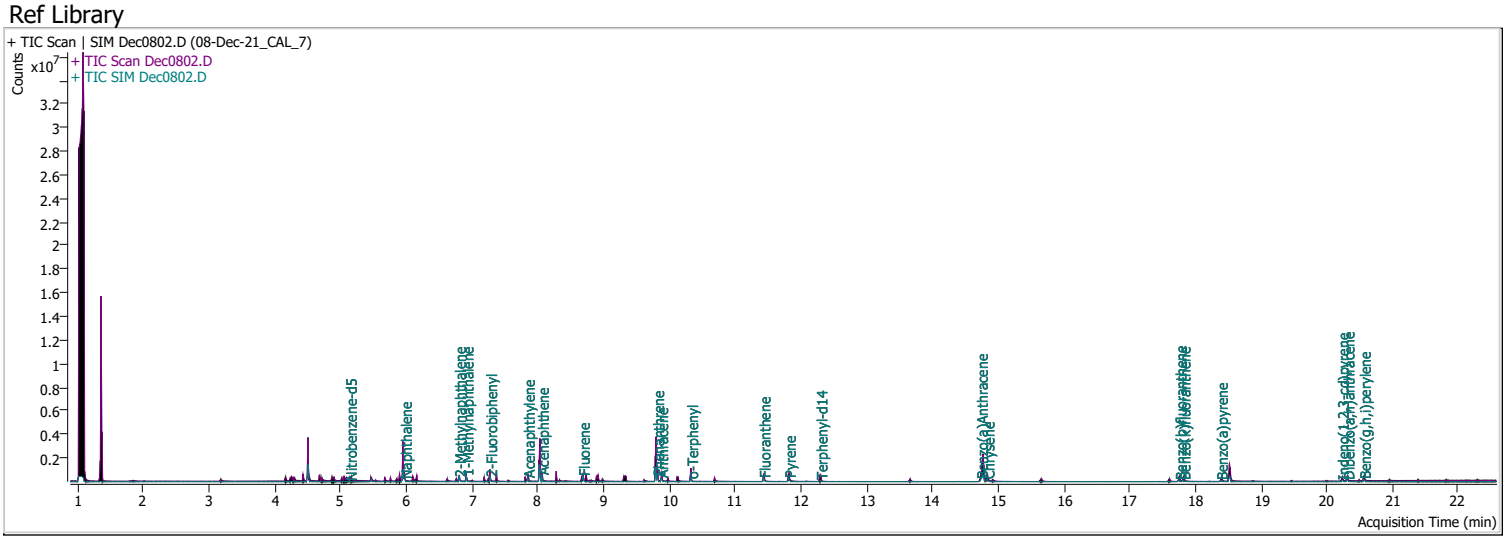


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0808.D	Calibration	1	x	1245	0.1000	0.8491	
\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0807.D	Calibration	2	x	2258	0.2000	0.7509	
\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0806.D	Calibration	3	x	5254	0.5000	0.7182	
\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0805.D	Calibration	4	x	12761	1.0000	0.6913	
\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0809.D	QC	ICV	x	26596	2.0000	0.7654	
\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0804.D	Calibration	5	x	23213	2.0000	0.6292	
\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0822.D	CC	CCV	x	22134	2.0000	0.6370	
\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0803.D	Calibration	6	x	65009	5.0000	0.6731	
\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0802.D	Calibration	7	x	140769	10.0000	0.7009	

Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

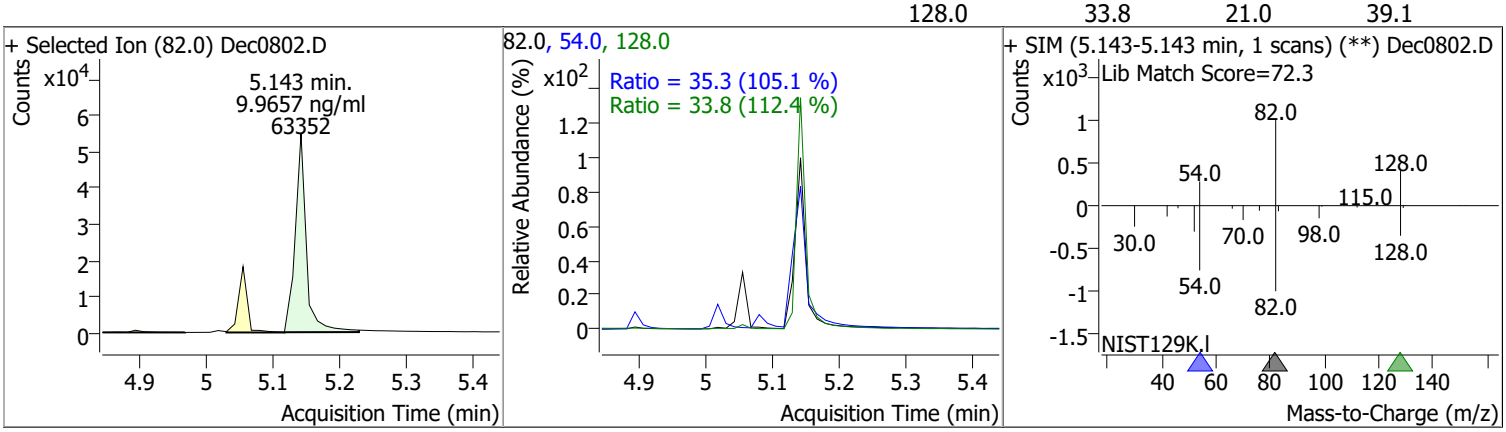
Data File	Dec0802.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 9:08:20 AM
Sample Name	08-Dec-21_CAL_7	Instrument	GCMS
Vial	2	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			



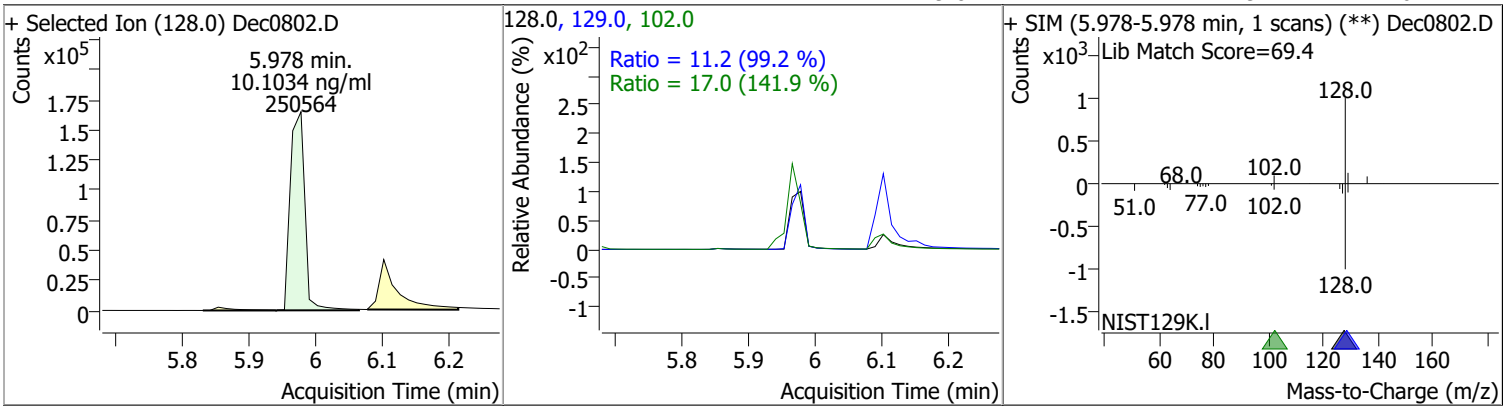
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	63352	9.9657	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 199.31%		*	
S 2-Fluorobiphenyl	7.277	172.0	265748	10.2789	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 205.58%		*	
S Terphenyl-d14	12.300	244.0	140769	9.7884	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 195.77%		*	
Target Compounds							**QValue**
T Naphthalene	5.978	128.0	250564	10.1034	ng/ml		93
T 2-Methylnaphthalene	6.802	141.0	162051	10.1473	ng/ml		93
T 1-Methylnaphthalene	6.915	141.0	170511	10.0833	ng/ml		97

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

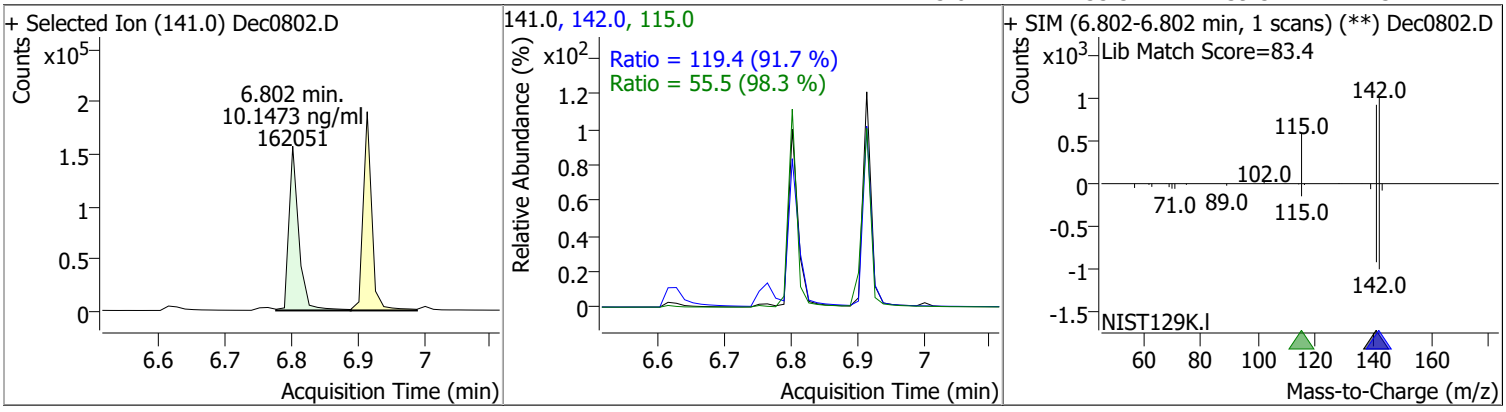
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	9.9657	5.14	0.00	63352	54.0	35.3	23.5	43.7
					128.0	33.8	21.0	39.1



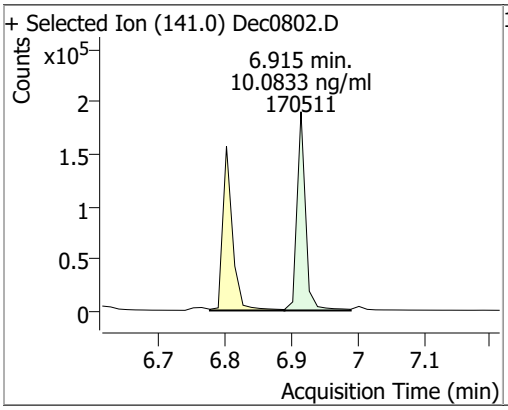
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	10.1034	5.98	0.00	250564	102.0	17.0	0.0	35.9
					129.0	11.2	7.9	14.6

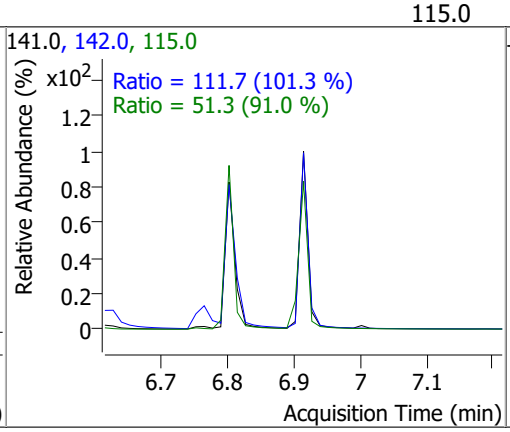


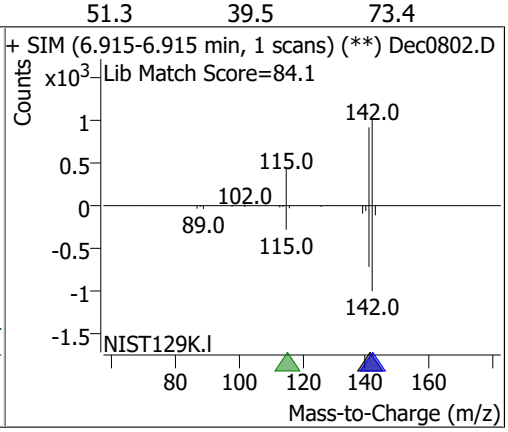
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	10.1473	6.80	-0.01	162051	142.0	119.4	91.1	169.2
					115.0	55.5	39.5	73.4



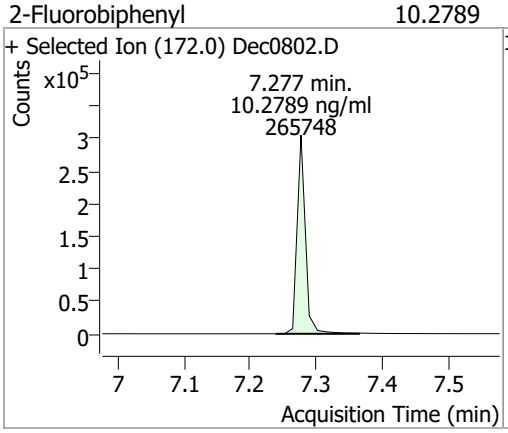
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	10.0833	6.91	0.00	170511	142.0	111.7	77.2	143.4
					115.0	51.3	39.5	73.4

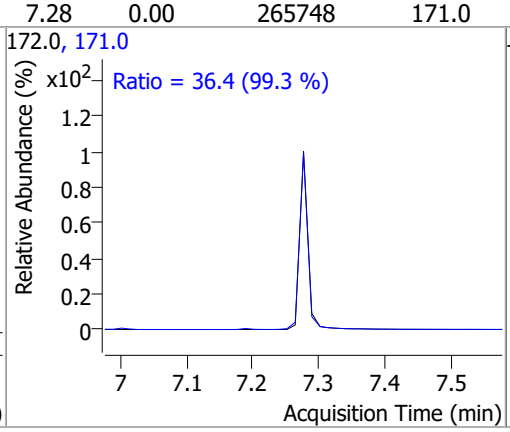


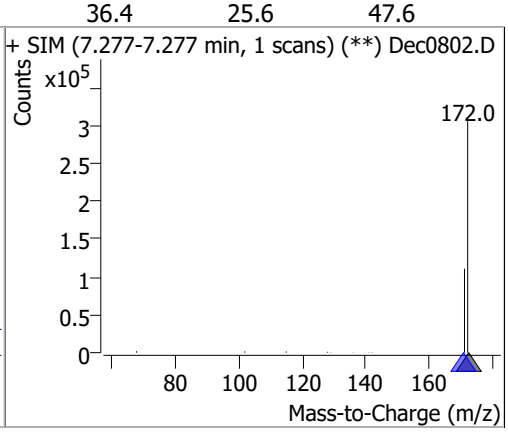




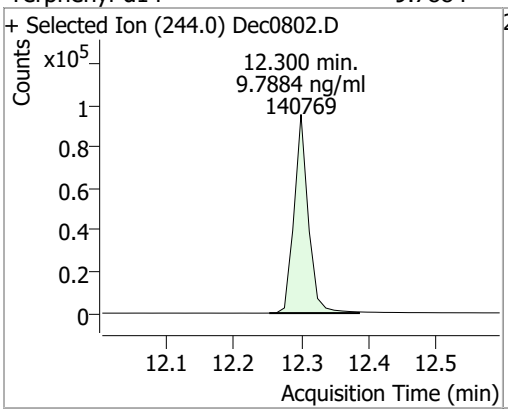
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	10.2789	7.28	0.00	265748	171.0	36.4	25.6	47.6

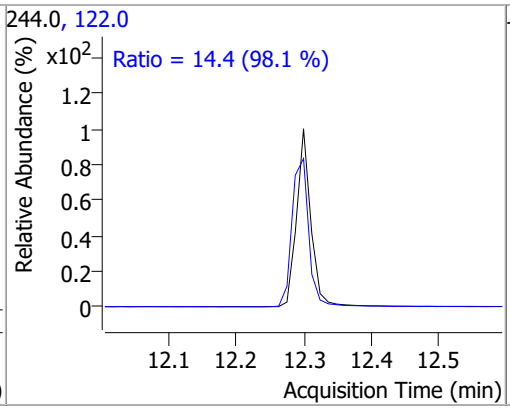


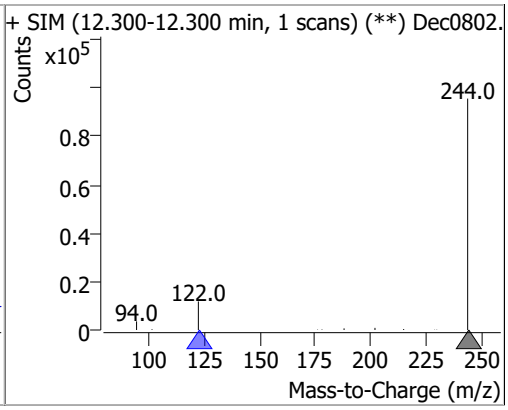




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	9.7884	12.30	0.00	140769	122.0	14.4	10.3	19.1

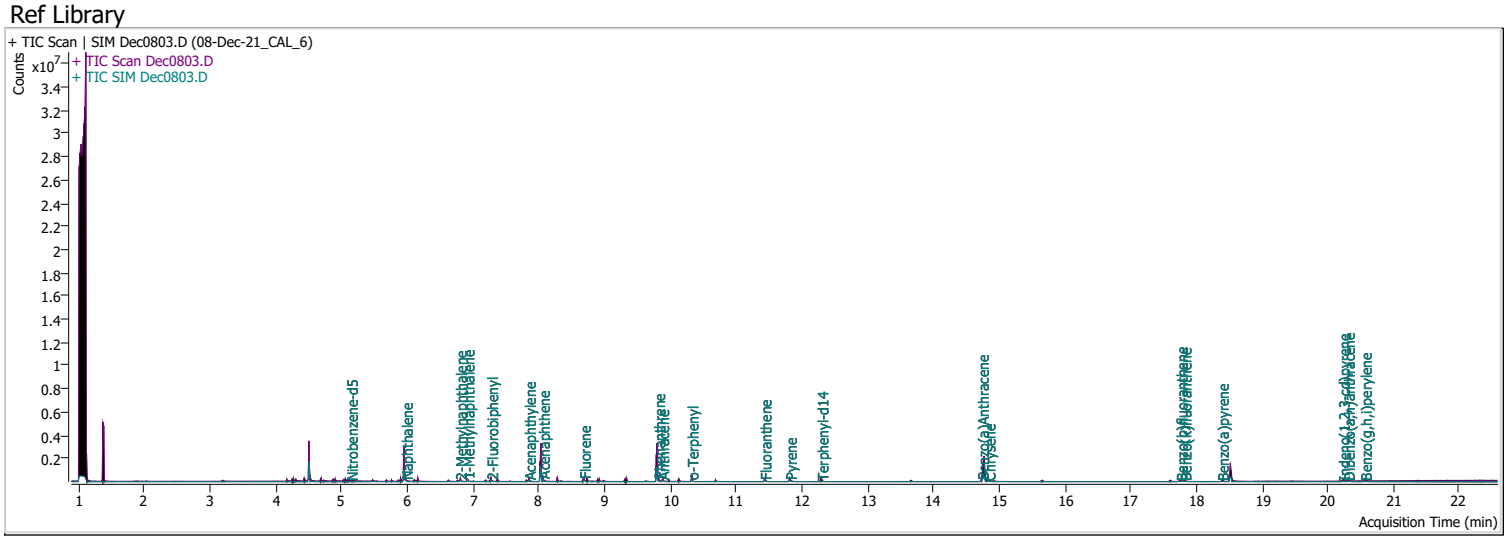






Quantitation Results Report (QT Reviewed)

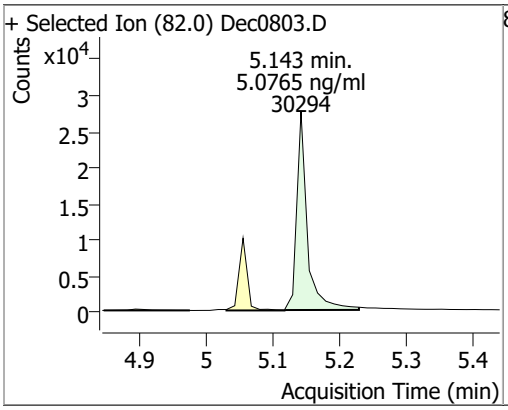
Data File	Dec0803.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 9:40:55 AM
Sample Name	08-Dec-21_CAL_6	Instrument	GCMS
Vial	3	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			

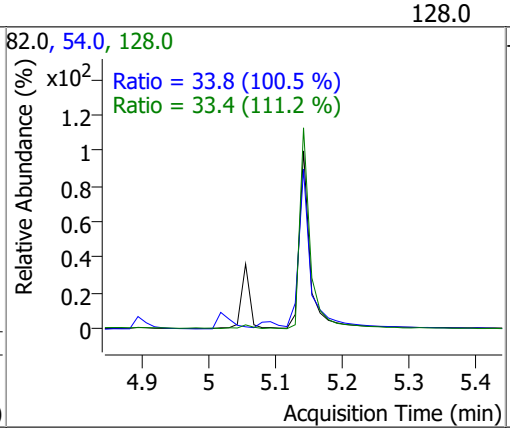


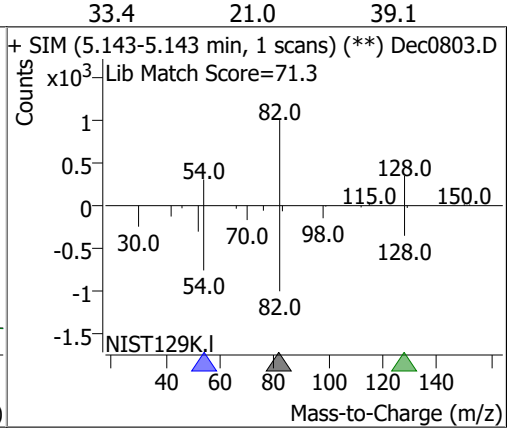
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	30294	5.0765	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 101.53%			
S 2-Fluorobiphenyl	7.277	172.0	118868	4.7399	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 94.80%		*	
S Terphenyl-d14	12.300	244.0	65009	4.7000	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 94.00%			
Target Compounds							QValue
T Naphthalene	5.978	128.0	117695	4.7679	ng/ml		89
T 2-Methylnaphthalene	6.802	141.0	68017	4.6249	ng/ml		94
T 1-Methylnaphthalene	6.915	141.0	74869	4.7698	ng/ml		99

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

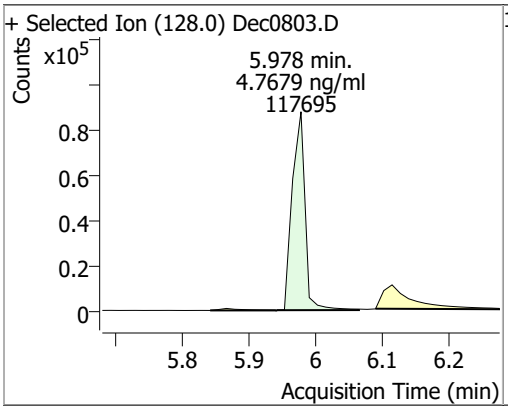
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	5.0765	5.14	0.00	30294	54.0	33.8	23.5	43.7
					128.0	33.4	21.0	39.1

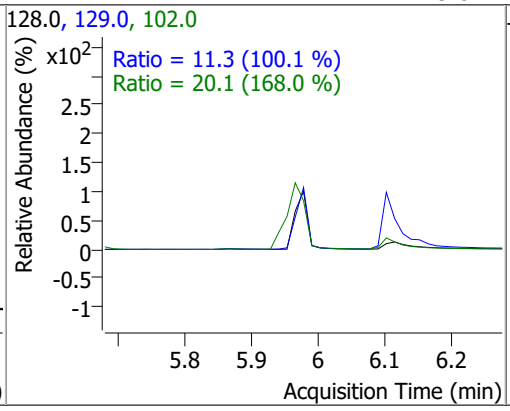


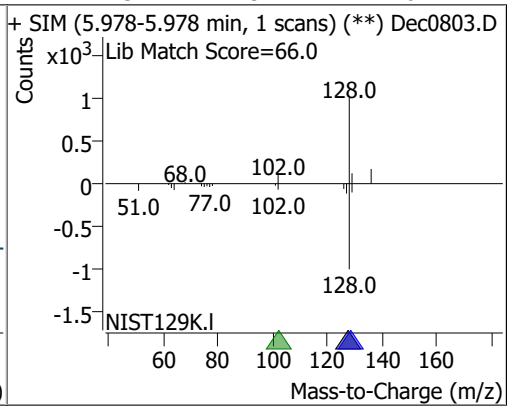




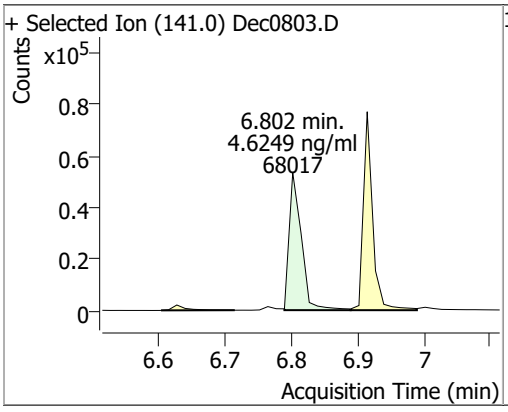
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	4.7679	5.98	0.00	117695	102.0	20.1	0.0	35.9
					129.0	11.3	7.9	14.6

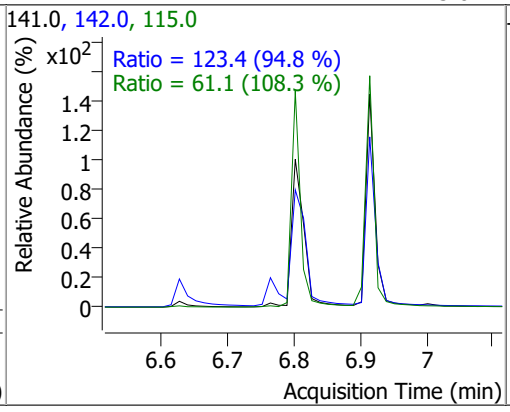


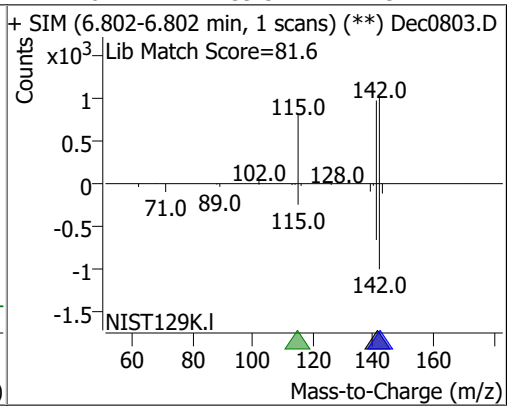




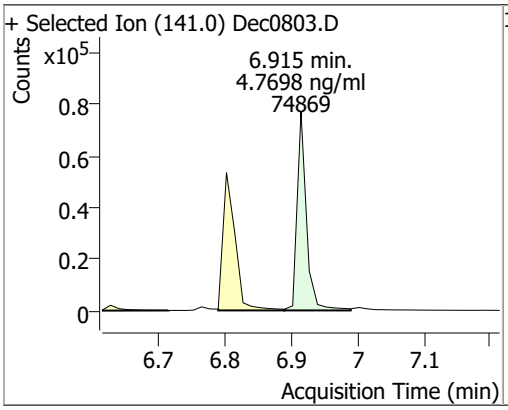
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	4.6249	6.80	-0.01	68017	142.0	123.4	91.1	169.2
					115.0	61.1	39.5	73.4

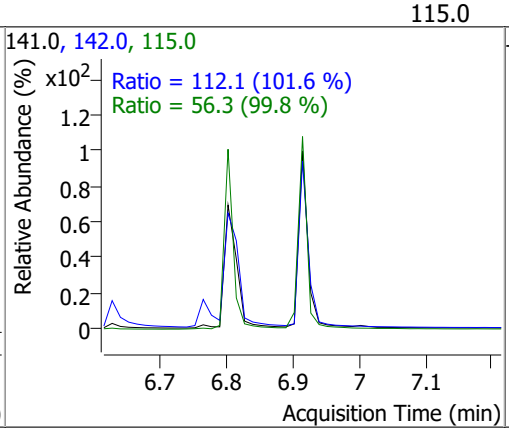


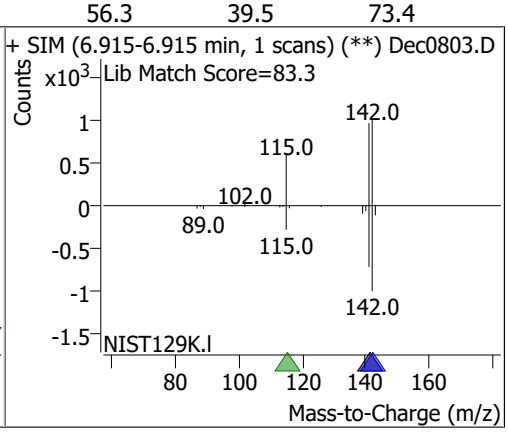




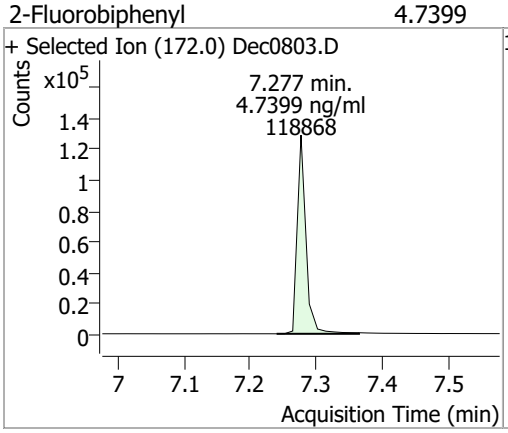
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	4.7698	6.91	0.00	74869	142.0	112.1	77.2	143.4
					115.0	56.3	39.5	73.4

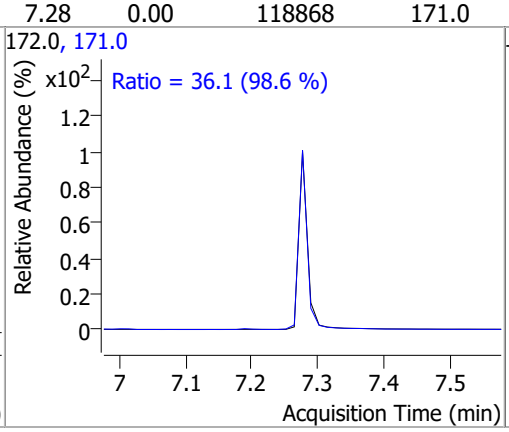


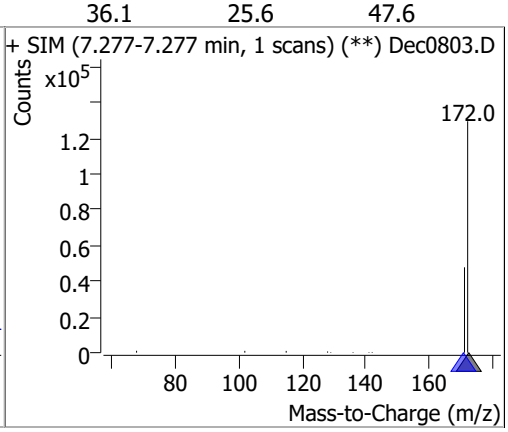




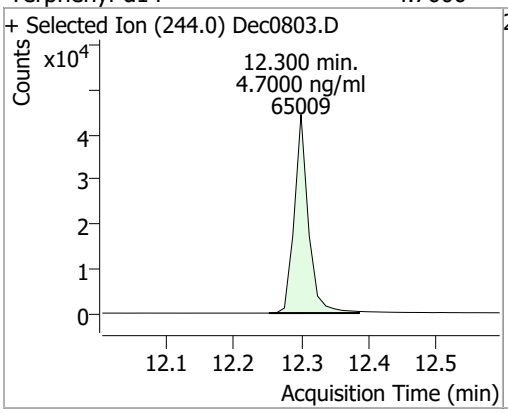
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	4.7399	7.28	0.00	118868	171.0	36.1	25.6	47.6

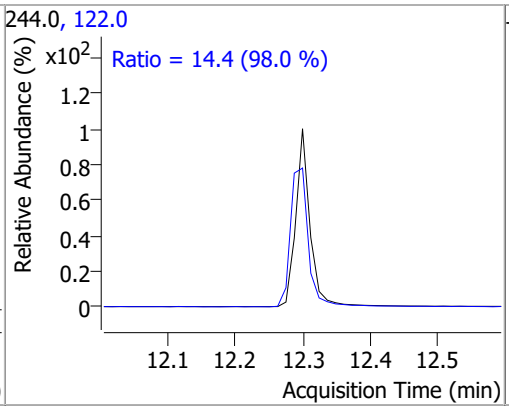


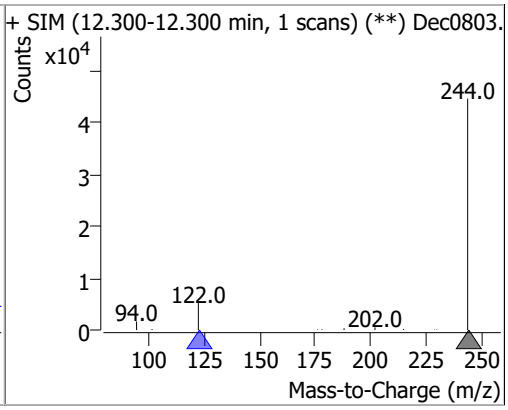




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	4.7000	12.30	0.00	65009	122.0	14.4	10.3	19.1

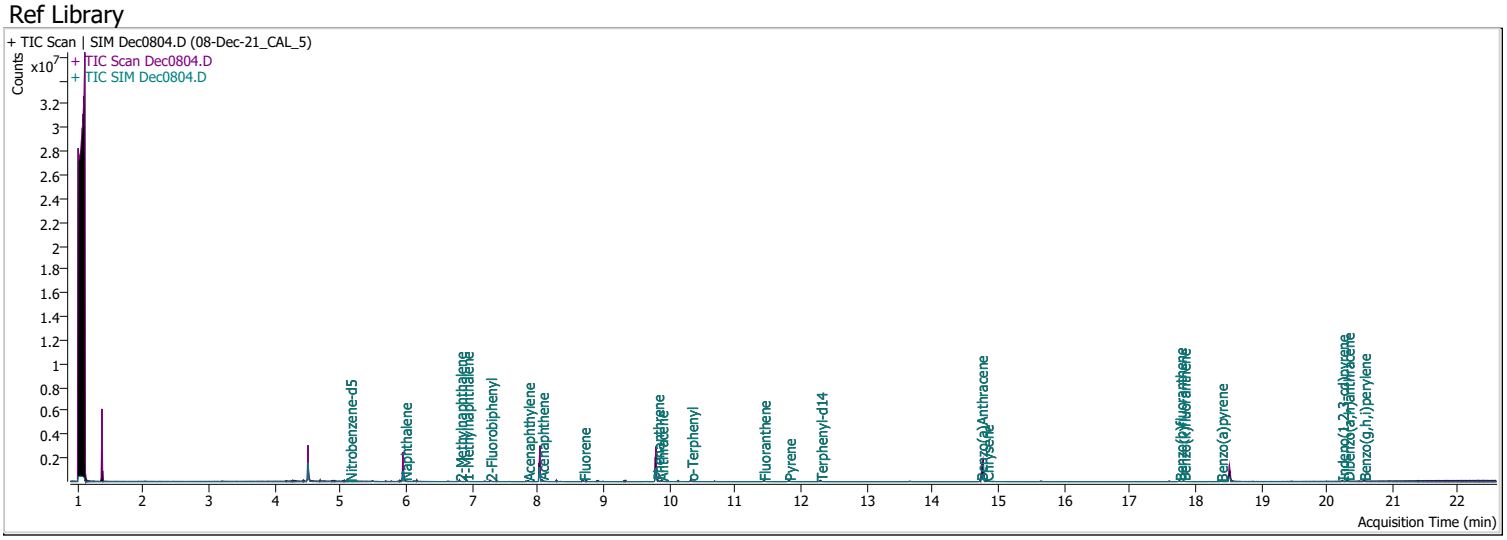






Quantitation Results Report (QT Reviewed)

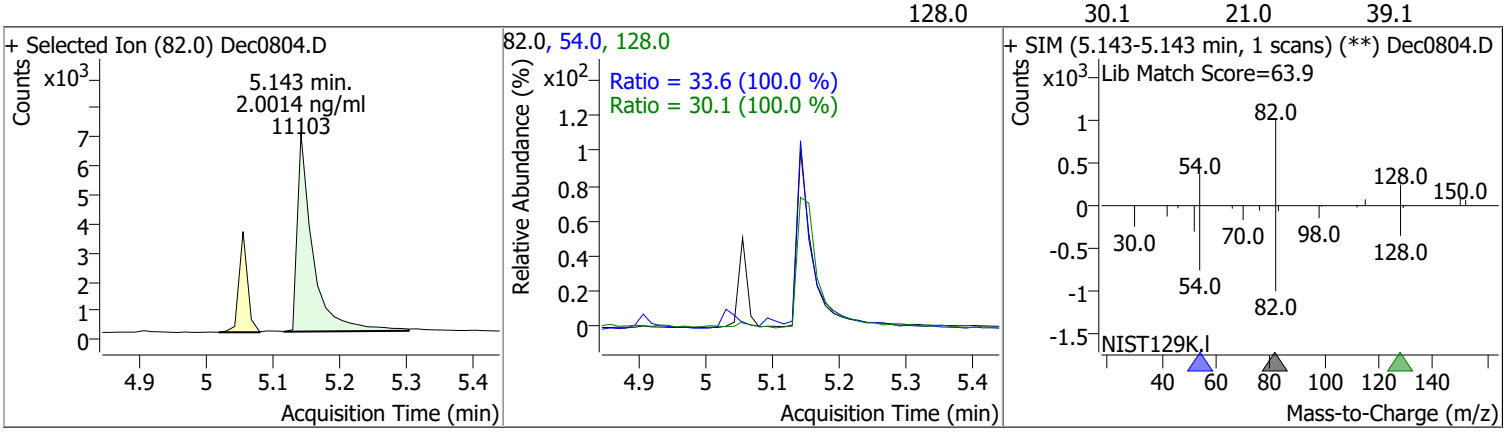
Data File	Dec0804.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 10:13:30 AM
Sample Name	08-Dec-21_CAL_5	Instrument	GCMS
Vial	4	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			



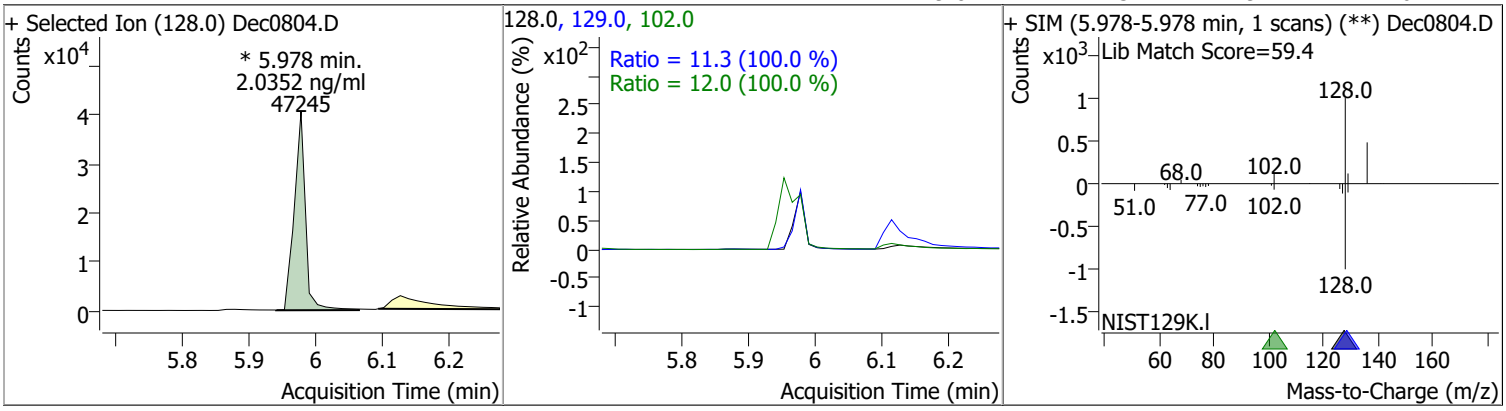
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	11103	2.0014	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 40.03%			
S 2-Fluorobiphenyl	7.277	172.0	44496	1.9143	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 38.29%			
S Terphenyl-d14	12.300	244.0	23213	1.7573	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 35.15%		*	
Target Compounds							QValue
T Naphthalene	5.978	128.0	47245	2.0352	ng/ml	m	100
T 2-Methylnaphthalene	6.815	141.0	27289	2.0411	ng/ml	m	100
T 1-Methylnaphthalene	6.915	141.0	29887	2.0934	ng/ml		100

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

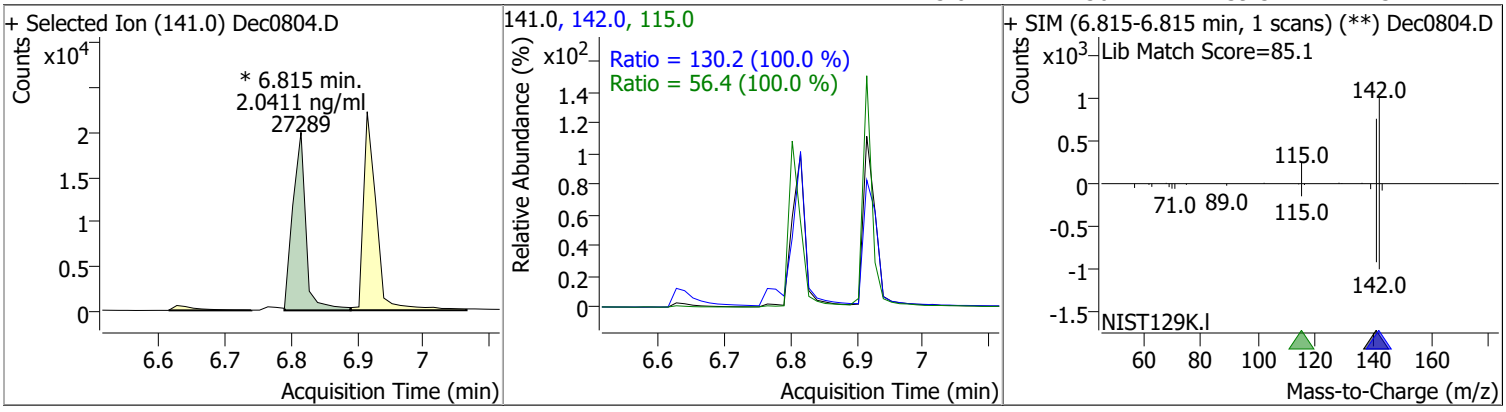
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	2.0014	5.14	0.00	11103	54.0	33.6	23.5	43.7
					128.0	30.1	21.0	39.1



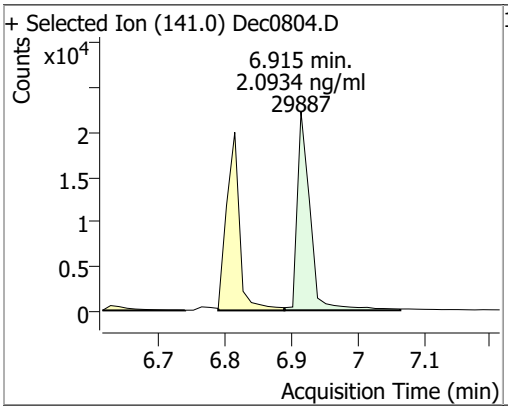
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	2.0352	5.98	0.00	47245 (m)	102.0	12.0	0.0	35.9
					129.0	11.3	7.9	14.6

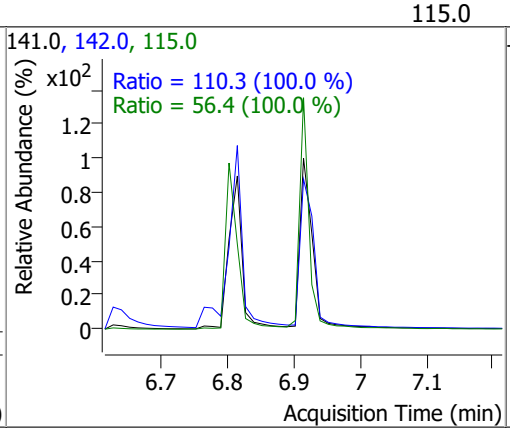


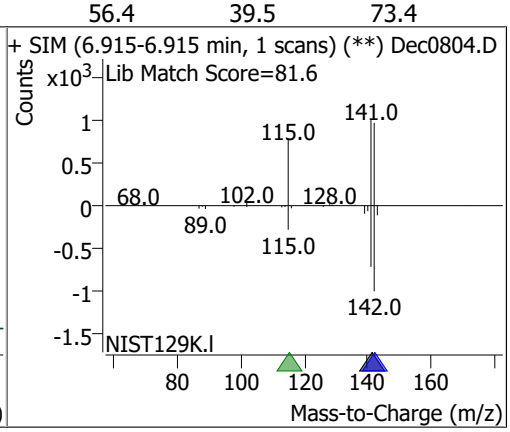
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	2.0411	6.81	0.00	27289 (m)	142.0	130.2	91.1	169.2
					115.0	56.4	39.5	73.4



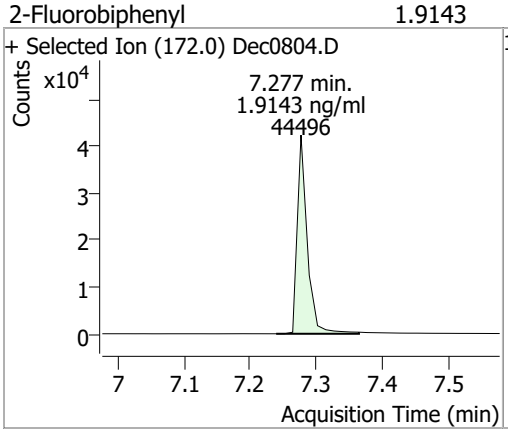
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	2.0934	6.91	0.00	29887	142.0	110.3	77.2	143.4
					115.0	56.4	39.5	73.4

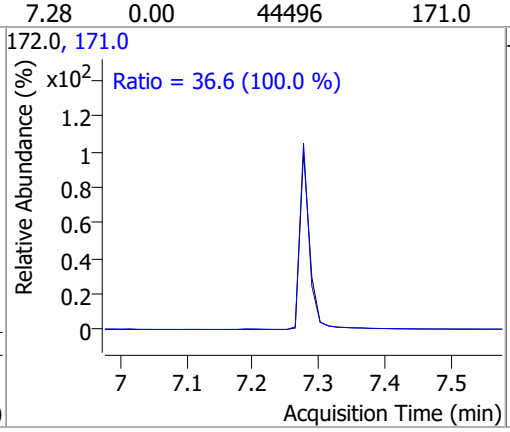


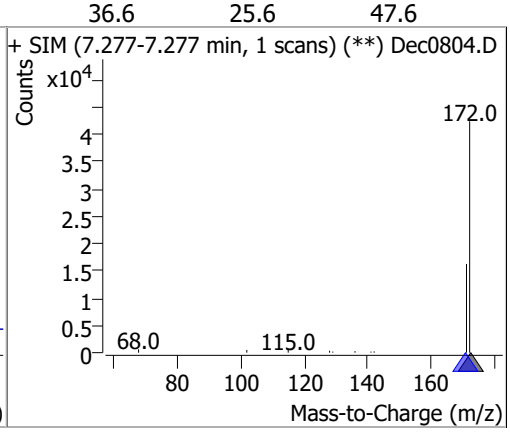




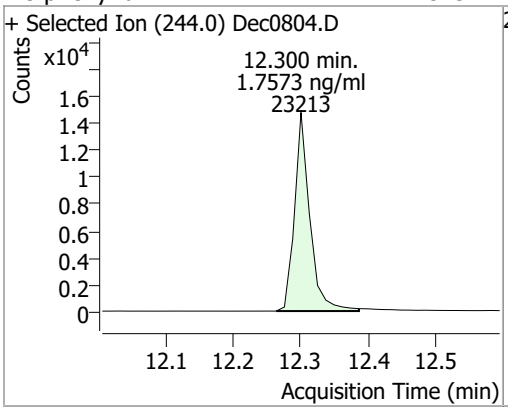
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	1.9143	7.28	0.00	44496	171.0	36.6	25.6	47.6

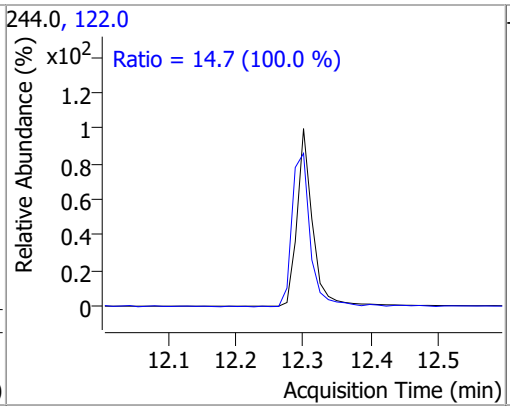


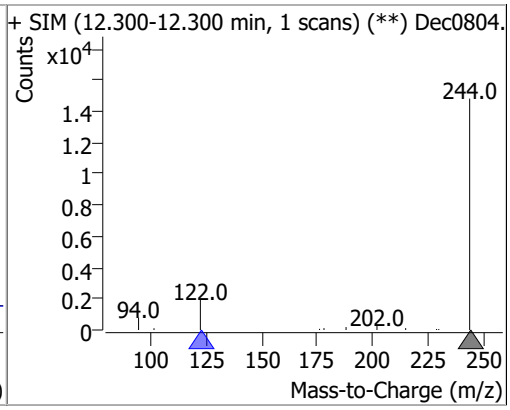




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	1.7573	12.30	0.00	23213	122.0	14.7	10.3	19.1



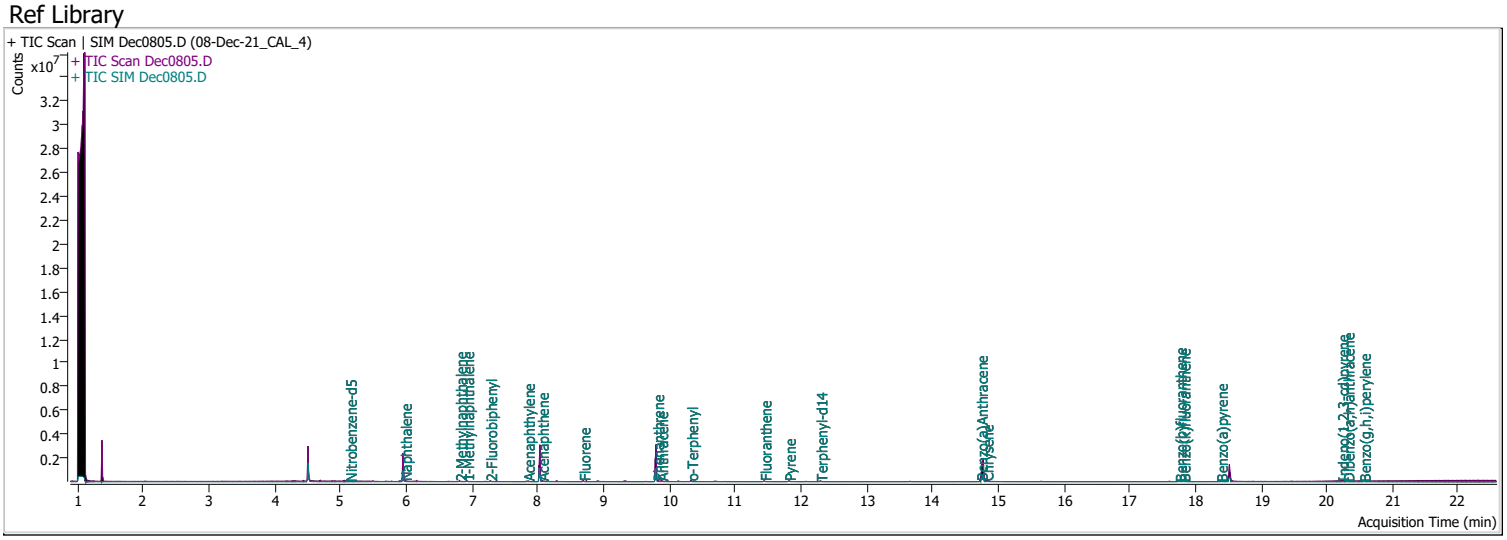




Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

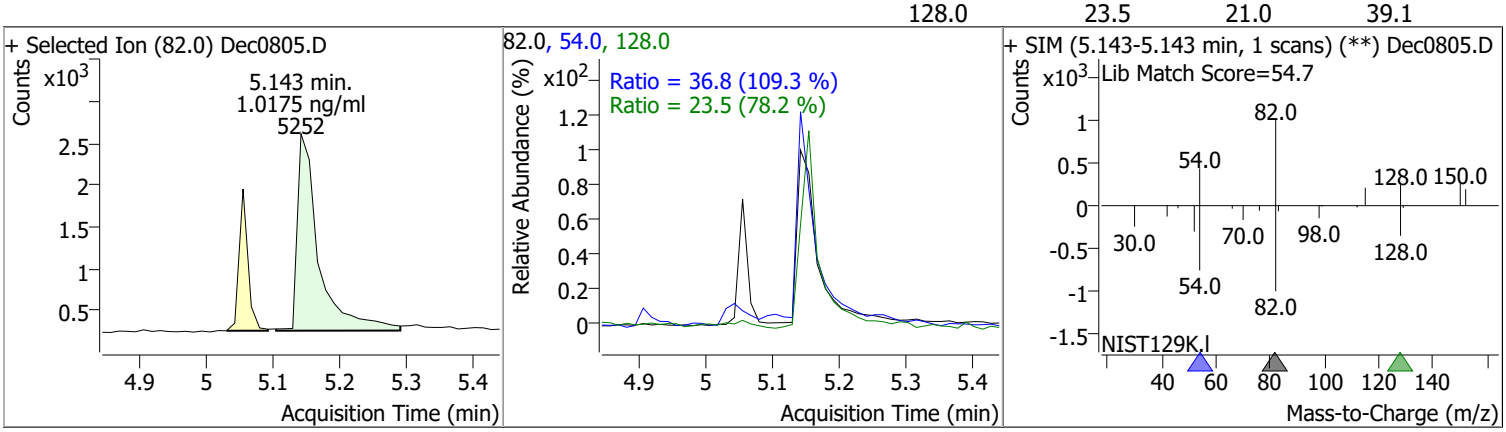
Data File	Dec0805.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 10:46:13 AM
Sample Name	08-Dec-21_CAL_4	Instrument	GCMS
Vial	5	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			



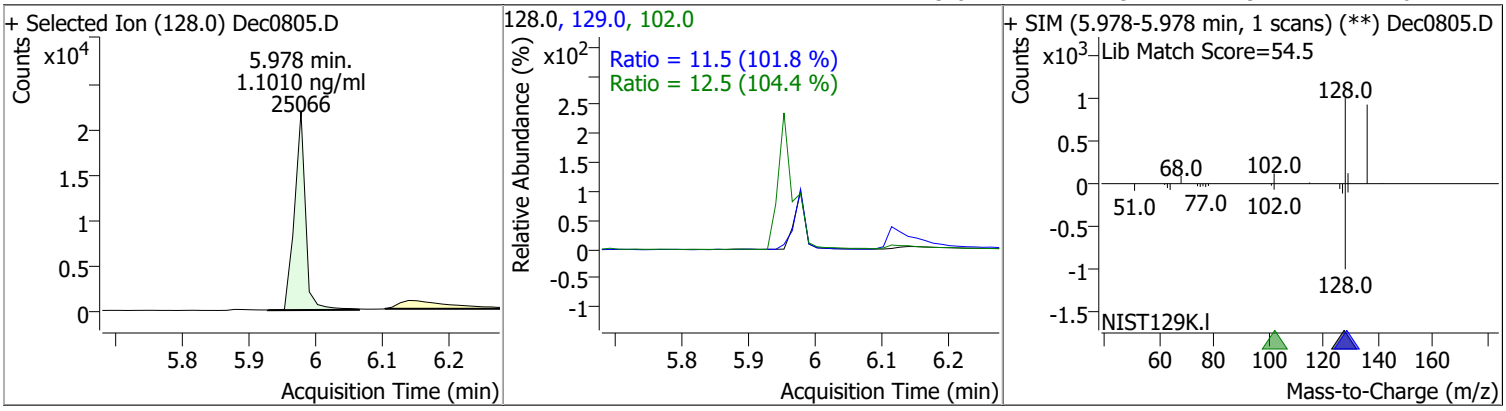
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	5252	1.0175	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 20.35%			
S 2-Fluorobiphenyl	7.277	172.0	21903	0.9624	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 19.25%		*	
S Terphenyl-d14	12.300	244.0	12761	0.9653	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 19.31%		*	
Target Compounds							**QValue**
T Naphthalene	5.978	128.0	25066	1.1010	ng/ml		99
T 2-Methylnaphthalene	6.815	141.0	15186	1.1670	ng/ml		96
T 1-Methylnaphthalene	6.927	141.0	15117	1.0865	ng/ml		98

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

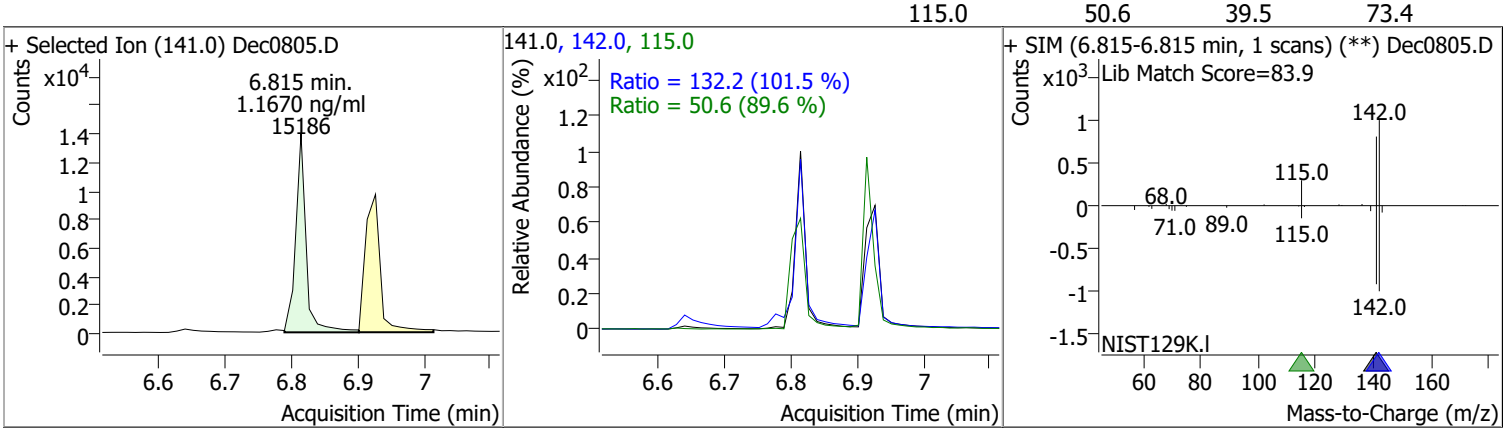
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	1.0175	5.14	0.00	5252	54.0	36.8	23.5	43.7
					128.0	23.5	21.0	39.1



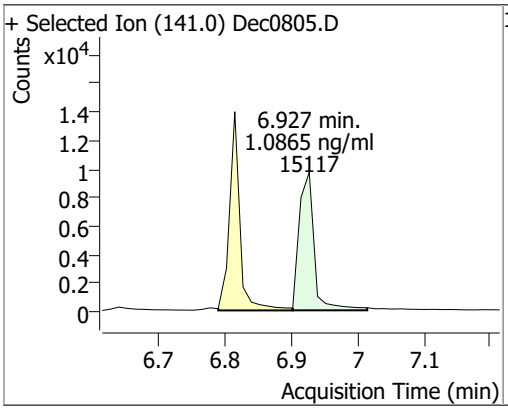
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	1.1010	5.98	0.00	25066	102.0	12.5	0.0	35.9
					129.0	11.5	7.9	14.6

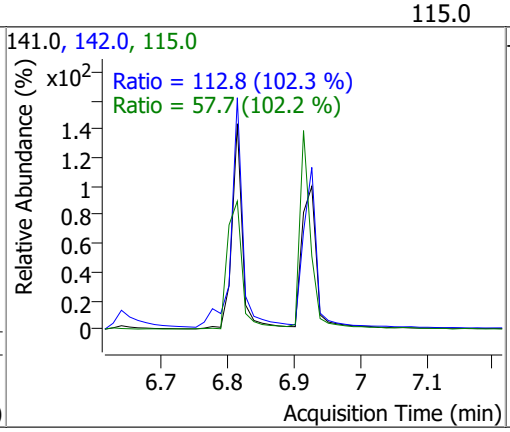


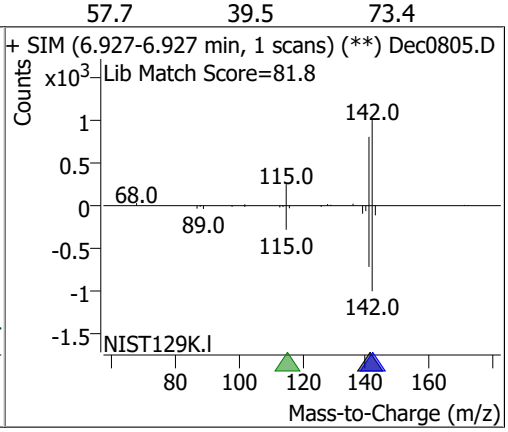
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	1.1670	6.81	0.00	15186	142.0	132.2	91.1	169.2
					115.0	50.6	39.5	73.4



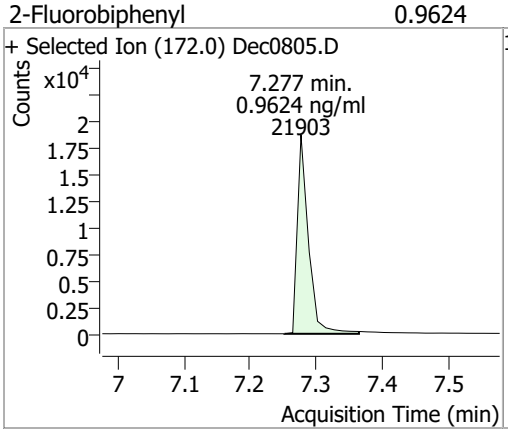
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	1.0865	6.93	0.01	15117	142.0	112.8	77.2	143.4
					115.0	57.7	39.5	73.4

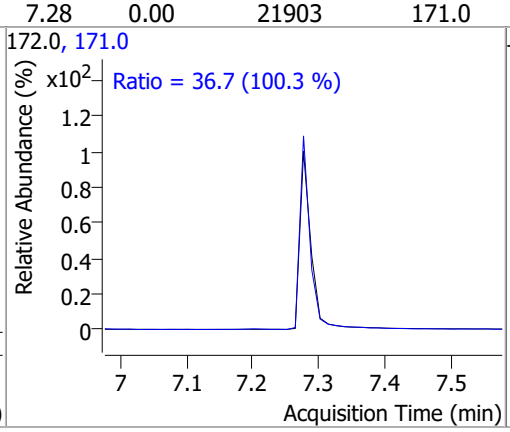


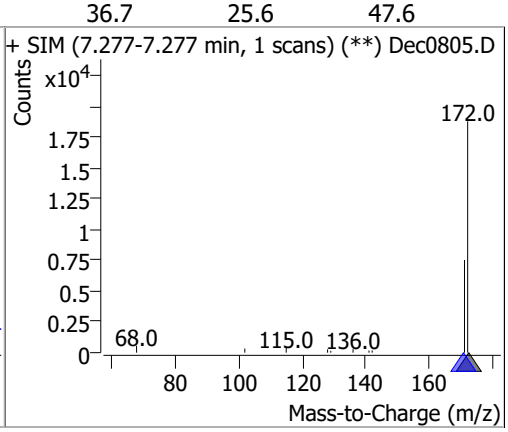




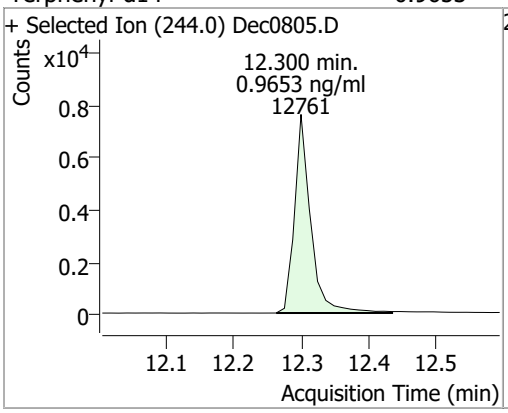
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	0.9624	7.28	0.00	21903	171.0	36.7	25.6	47.6

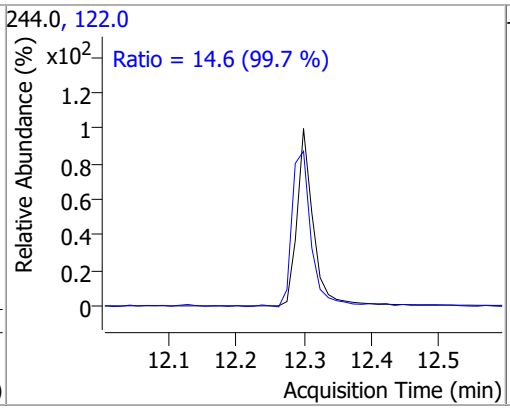


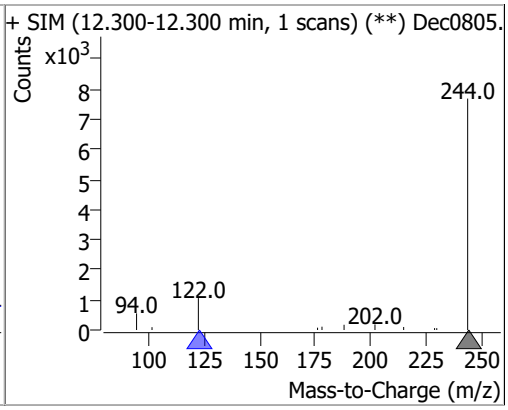




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	0.9653	12.30	0.00	12761	122.0	14.6	10.3	19.1



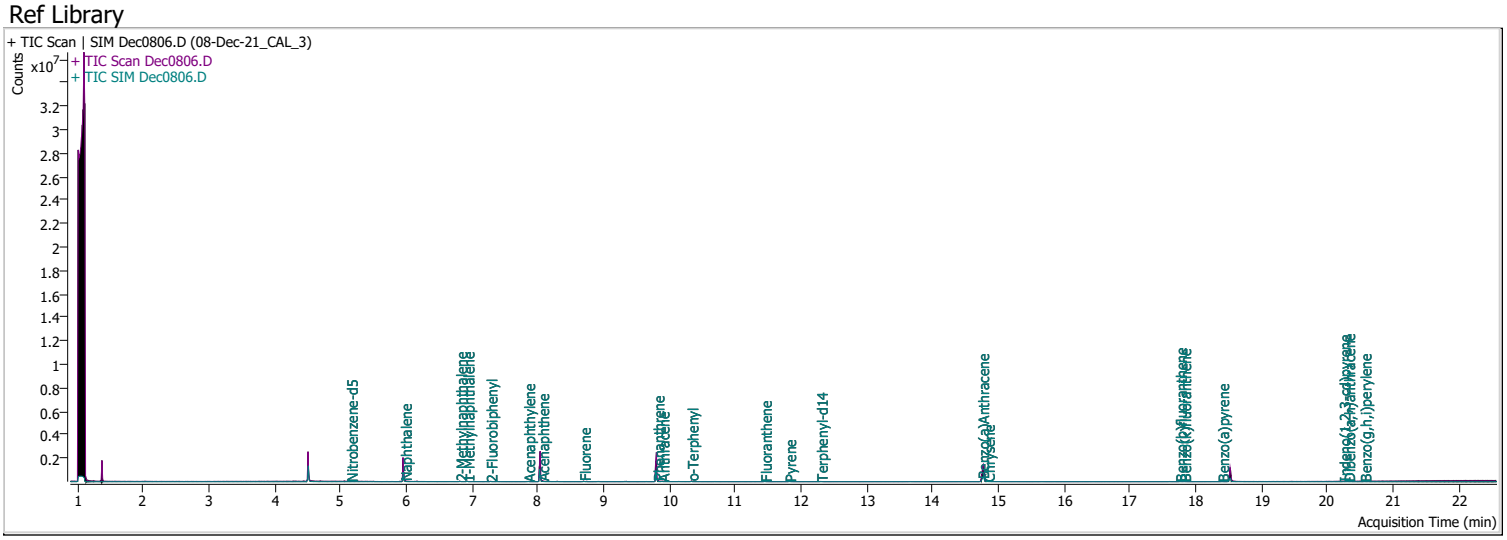




Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

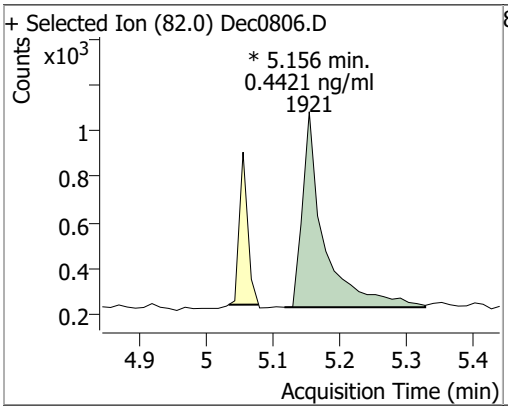
Data File	Dec0806.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 11:18:45 AM
Sample Name	08-Dec-21_CAL_3	Instrument	GCMS
Vial	6	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			

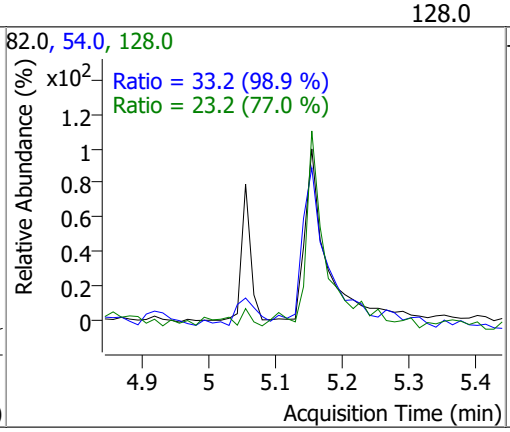


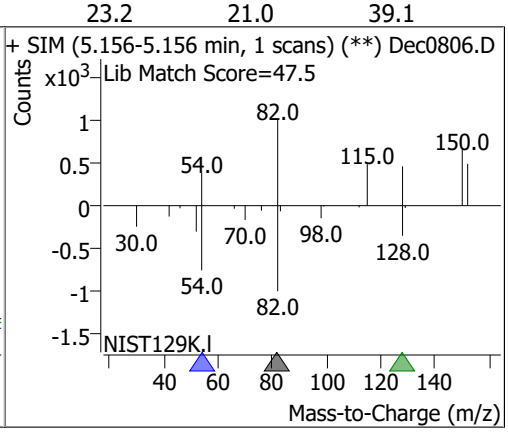
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S Nitrobenzene-d5	5.156	82.0	1921	0.4421	ng/ml	m	0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 8.84%		*	
S 2-Fluorobiphenyl	7.277	172.0	9893	0.4805	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 9.61%		*	
S Terphenyl-d14	12.300	244.0	5254	0.5014	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 10.03%		*	
Target Compounds							**QValue**
T Naphthalene	5.978	128.0	10910	0.5063	ng/ml		94
T 2-Methylnaphthalene	6.815	141.0	6800	0.5484	ng/ml		93
T 1-Methylnaphthalene	6.927	141.0	6283	0.4713	ng/ml		97

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

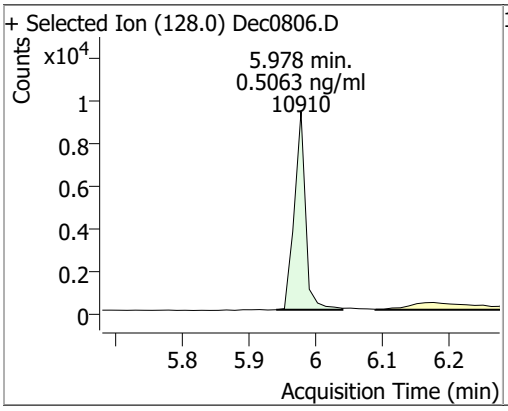
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	0.4421	5.16	0.01	1921 (m)	54.0	33.2	23.5	43.7
					128.0	23.2	21.0	39.1

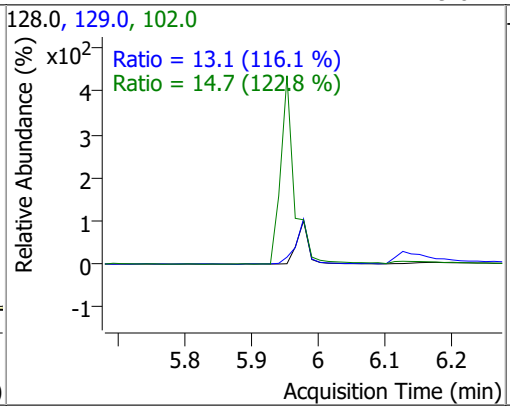


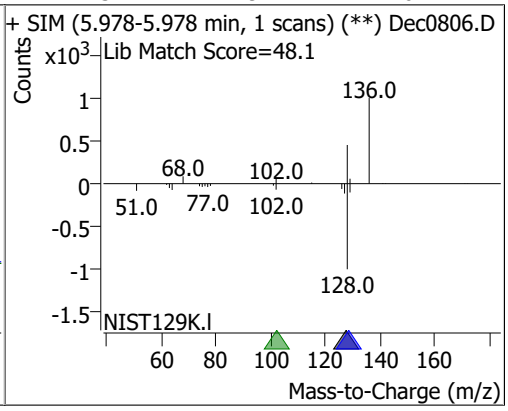




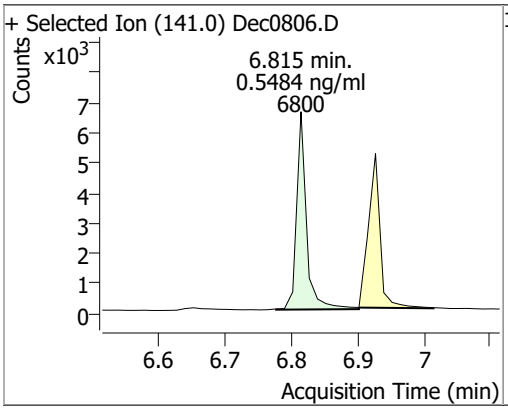
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	0.5063	5.98	0.00	10910	102.0	14.7	0.0	35.9
					129.0	13.1	7.9	14.6

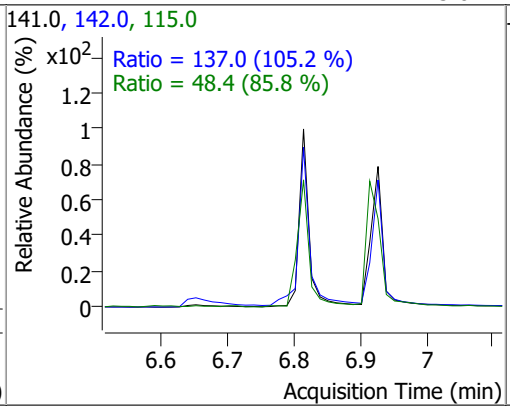


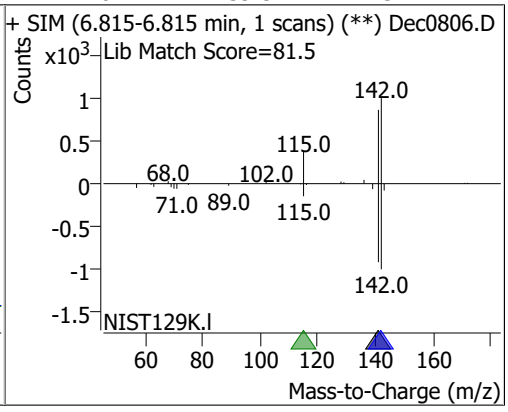




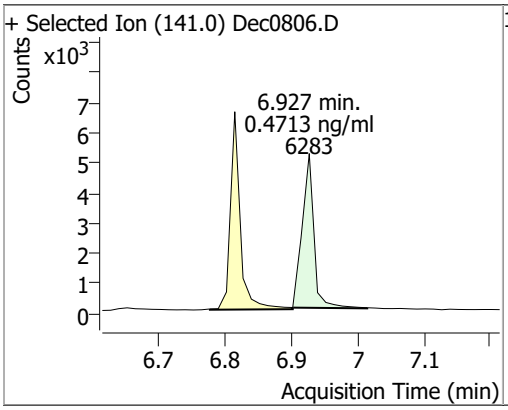
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	0.5484	6.81	0.00	6800	142.0	137.0	91.1	169.2
					115.0	48.4	39.5	73.4

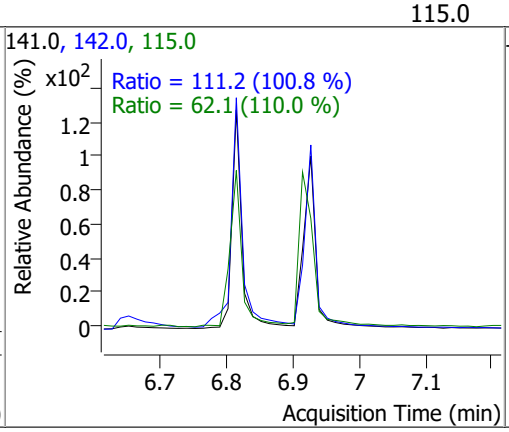


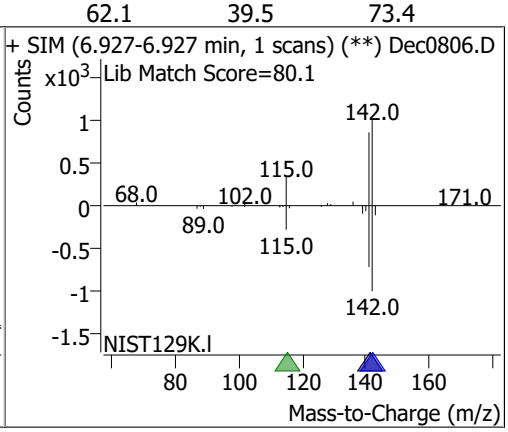




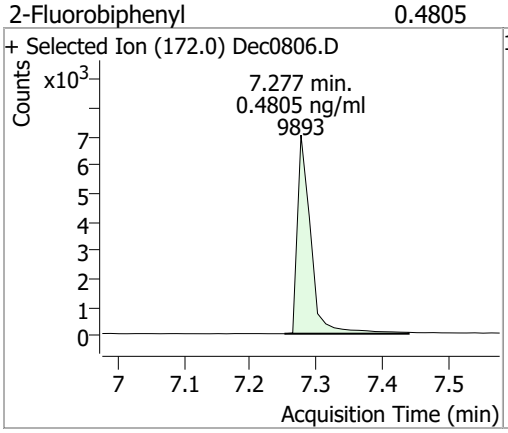
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	0.4713	6.93	0.01	6283	142.0	111.2	77.2	143.4
					115.0	62.1	39.5	73.4

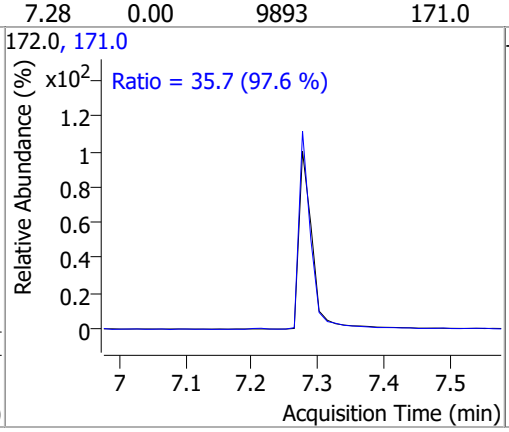


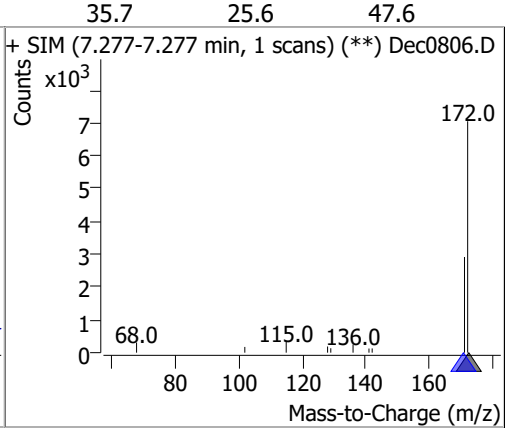




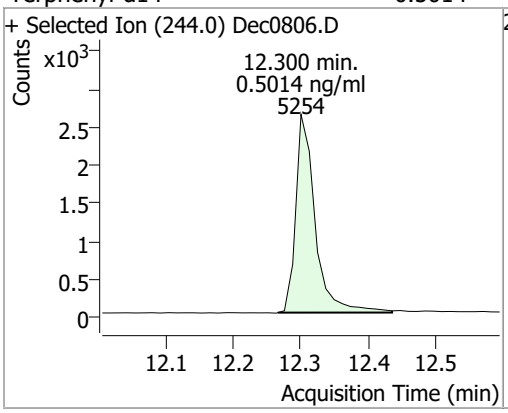
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	0.4805	7.28	0.00	9893	171.0	35.7	25.6	47.6

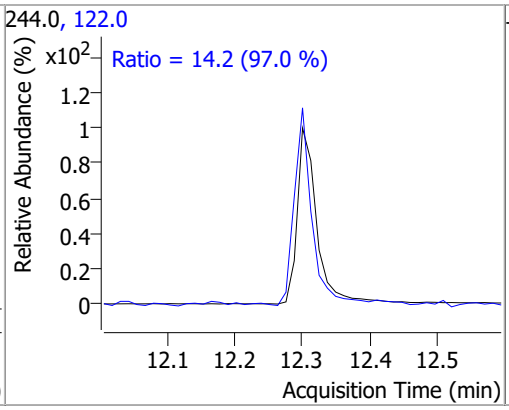


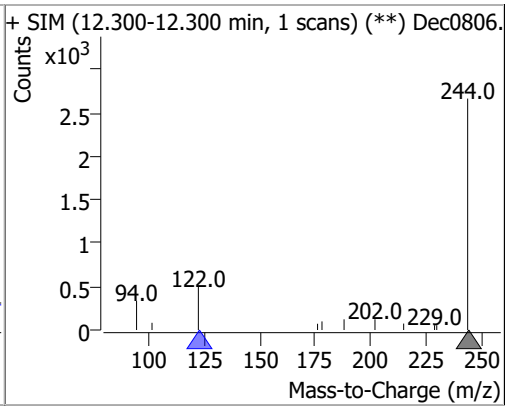




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	0.5014	12.30	0.00	5254	122.0	14.2	10.3	19.1

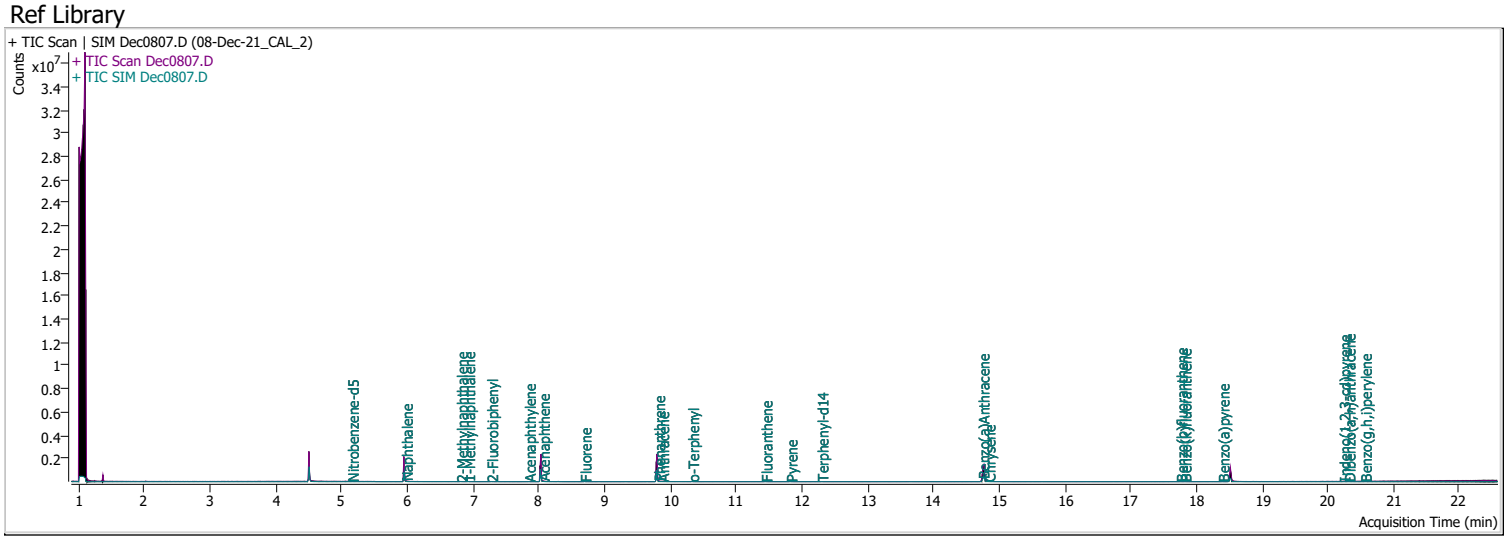






Quantitation Results Report (QT Reviewed)

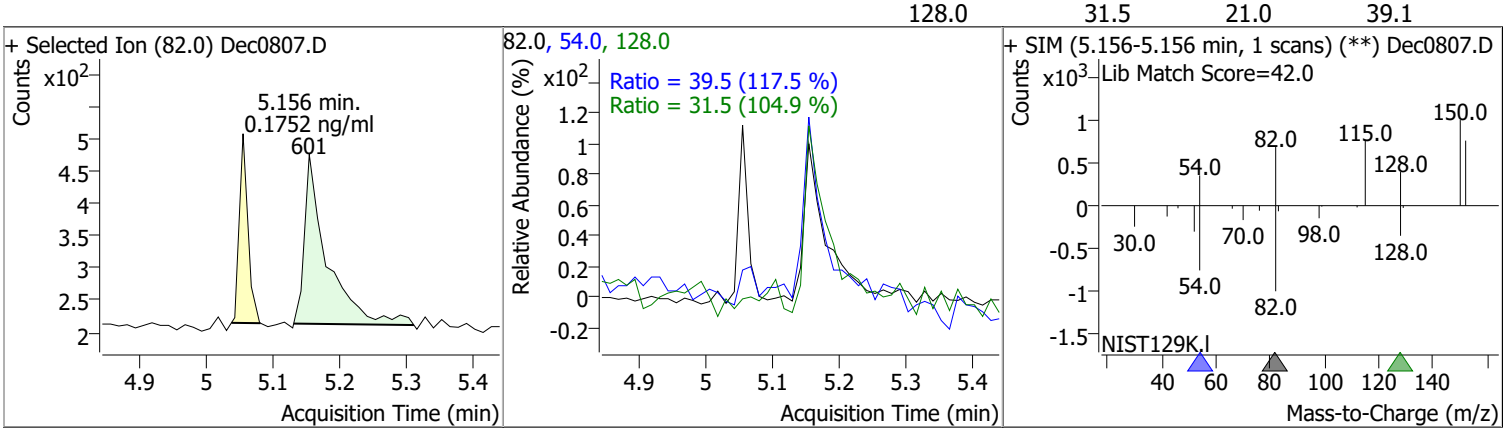
Data File	Dec0807.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 11:51:21 AM
Sample Name	08-Dec-21_CAL_2	Instrument	GCMS
Vial	7	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			



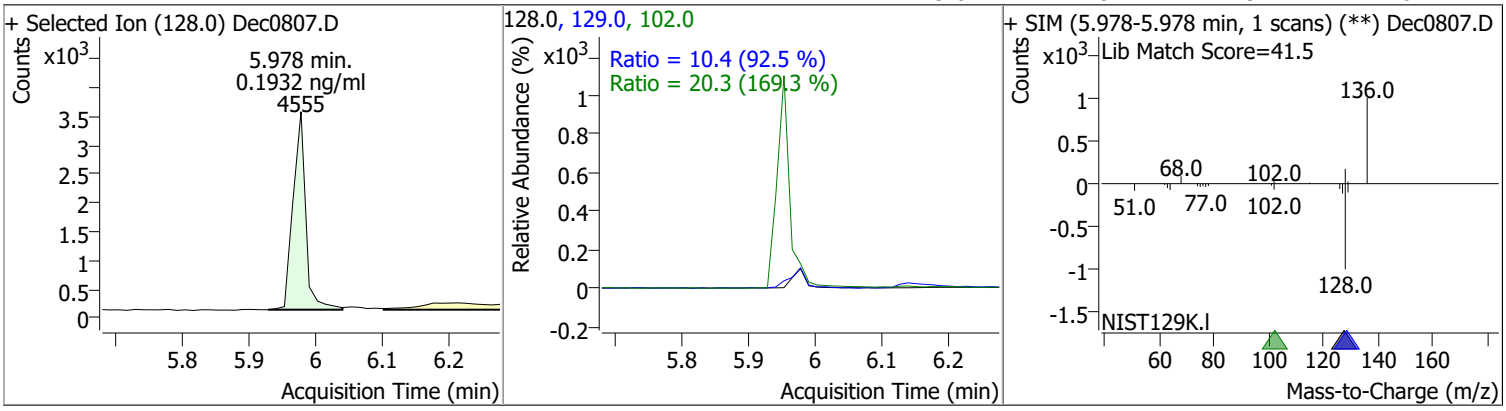
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S Nitrobenzene-d5	5.156	82.0	601	0.1752	ng/ml		0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 3.50%		*	
S 2-Fluorobiphenyl	7.277	172.0	4272	0.2106	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 4.21%		*	
S Terphenyl-d14	12.300	244.0	2258	0.2097	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 4.19%		*	
Target Compounds							QValue
T Naphthalene	5.978	128.0	4555	0.1932	ng/ml		88
T 2-Methylnaphthalene	6.815	141.0	2732	0.1893	ng/ml		95
T 1-Methylnaphthalene	6.927	141.0	2966	0.1999	ng/ml		95

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

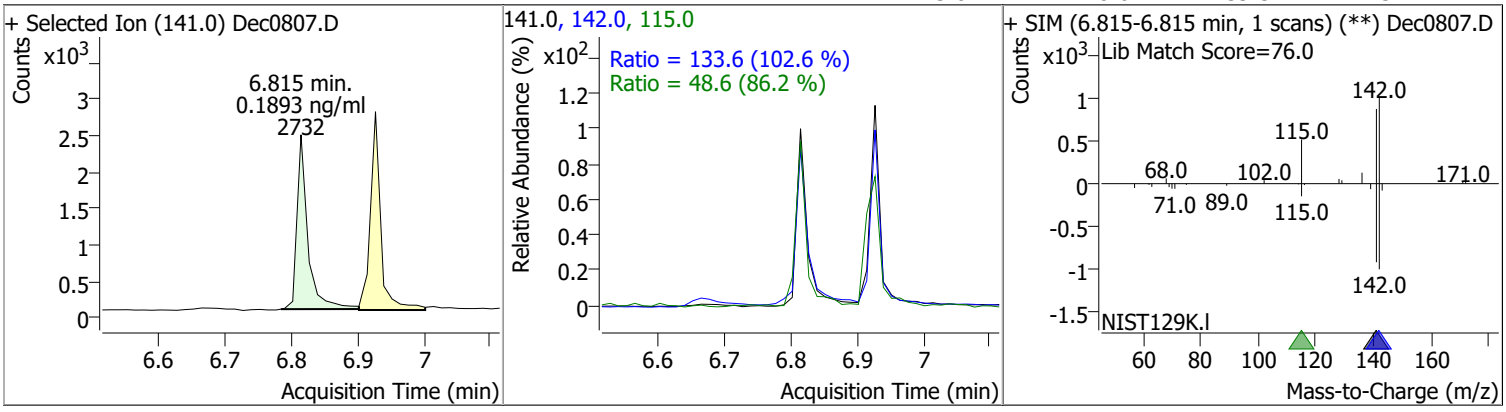
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	0.1752	5.16	0.01	601	54.0	39.5	23.5	43.7
					128.0	31.5	21.0	39.1



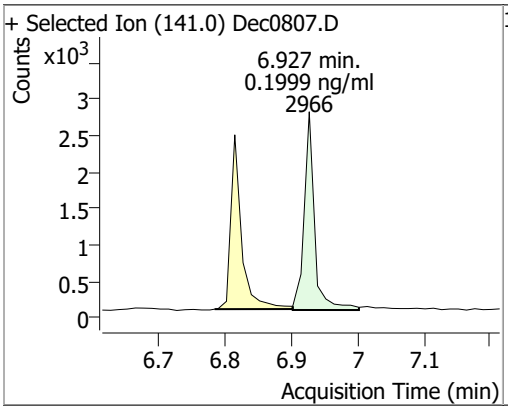
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	0.1932	5.98	0.00	4555	102.0	20.3	0.0	35.9
					129.0	10.4	7.9	14.6

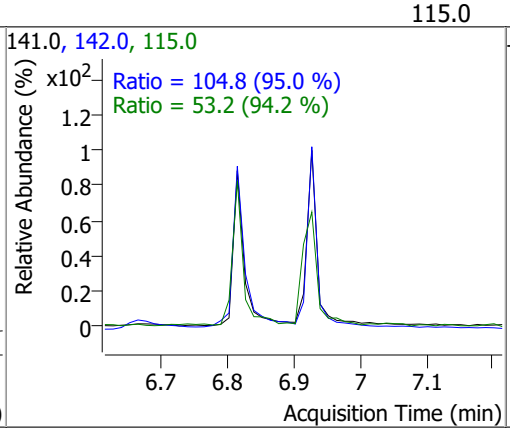


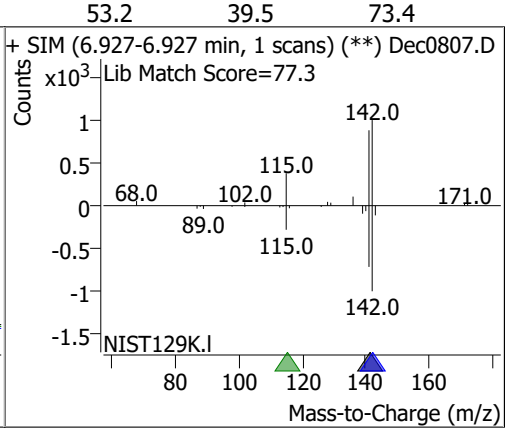
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	0.1893	6.81	0.00	2732	142.0	133.6	91.1	169.2
					115.0	48.6	39.5	73.4



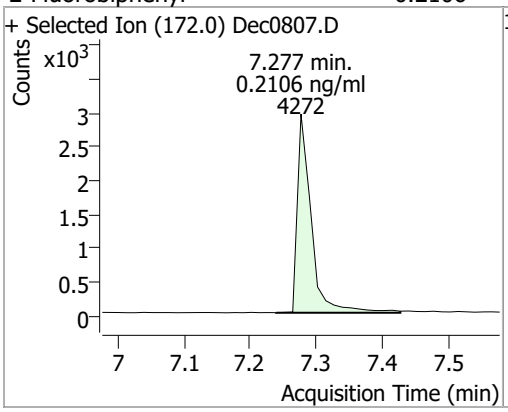
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	0.1999	6.93	0.01	2966	142.0	104.8	77.2	143.4
					115.0	53.2	39.5	73.4

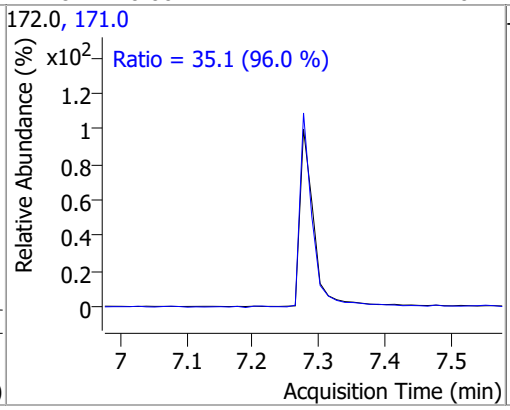


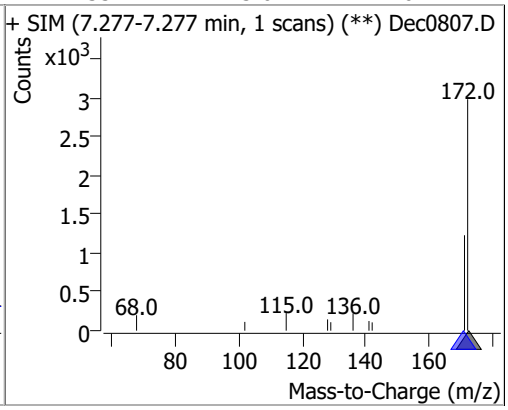




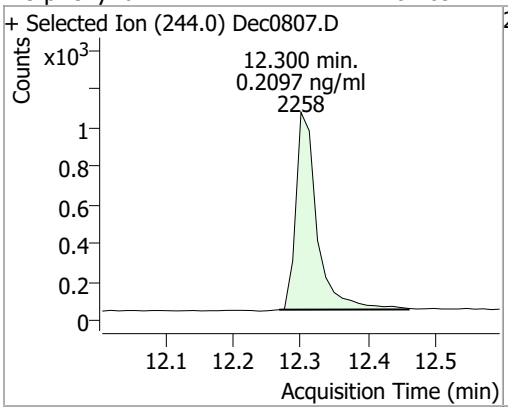
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	0.2106	7.28	0.00	4272	171.0	35.1	25.6	47.6

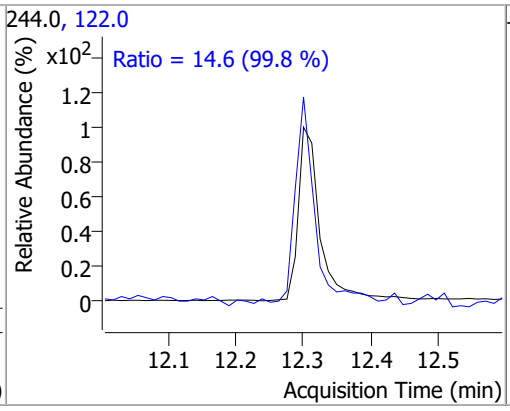


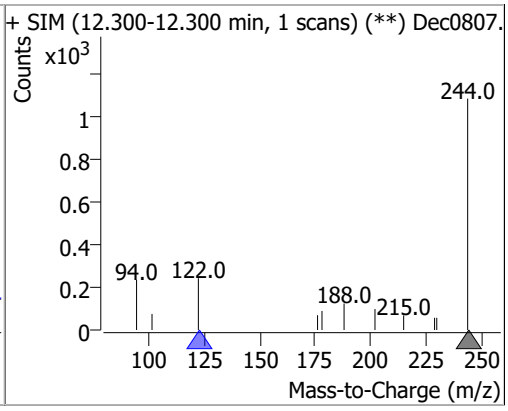




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	0.2097	12.30	0.00	2258	122.0	14.6	10.3	19.1







Quantitation Results Report (QT Reviewed)

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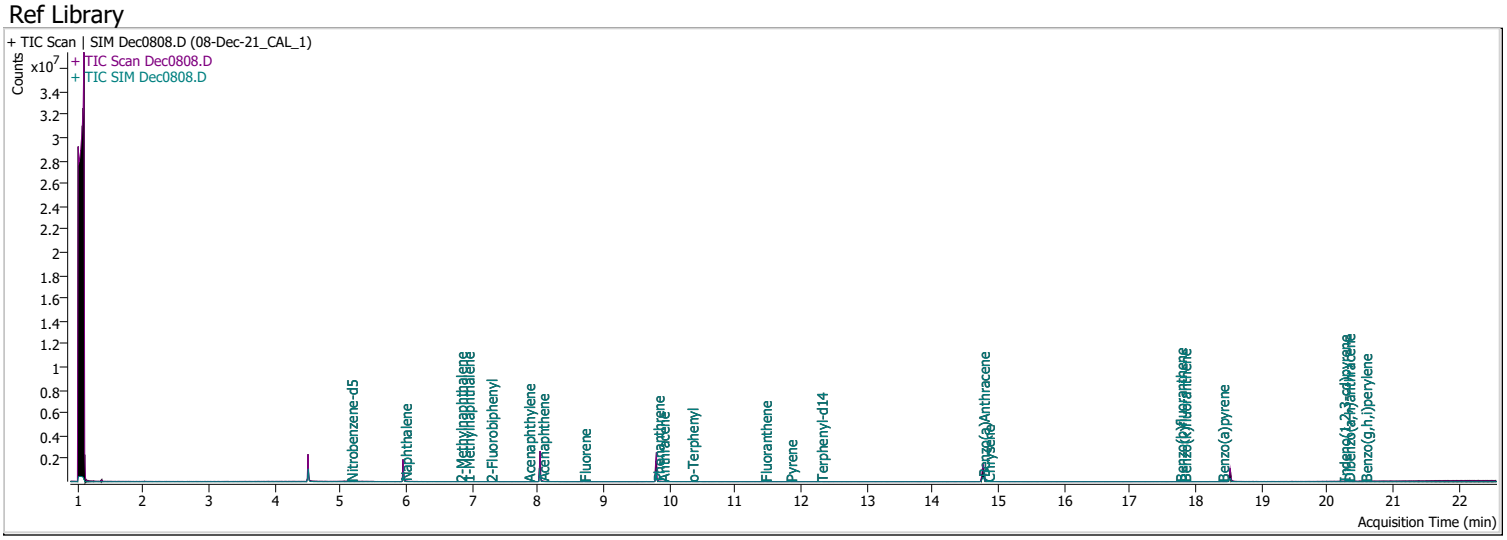
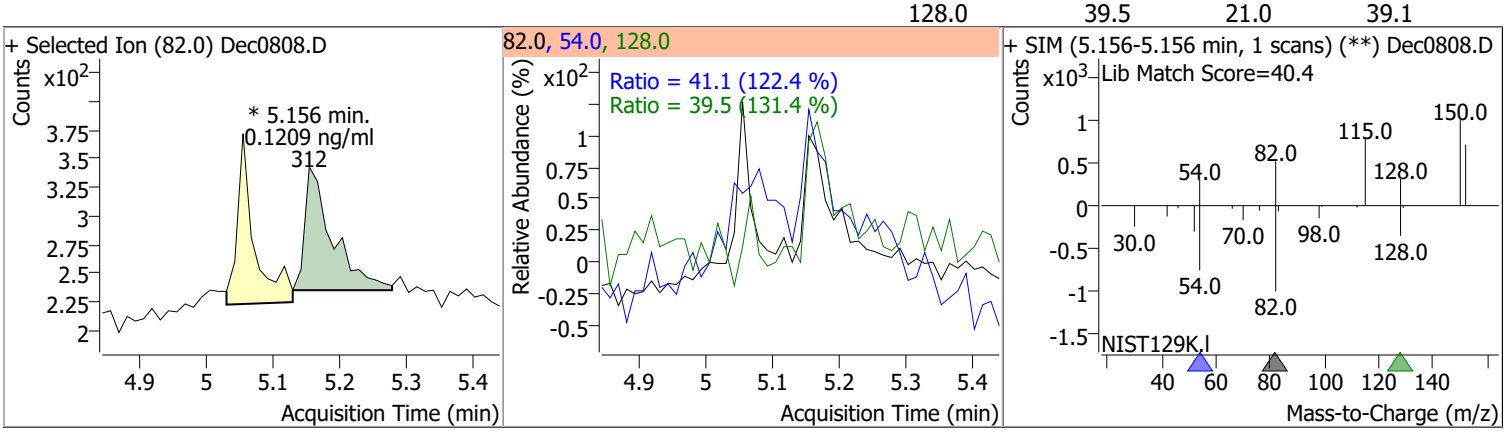
Data File	Dec0808.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 12:23:47 PM
Sample Name	08-Dec-21_CAL_1	Instrument	GCMS
Vial	8	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			



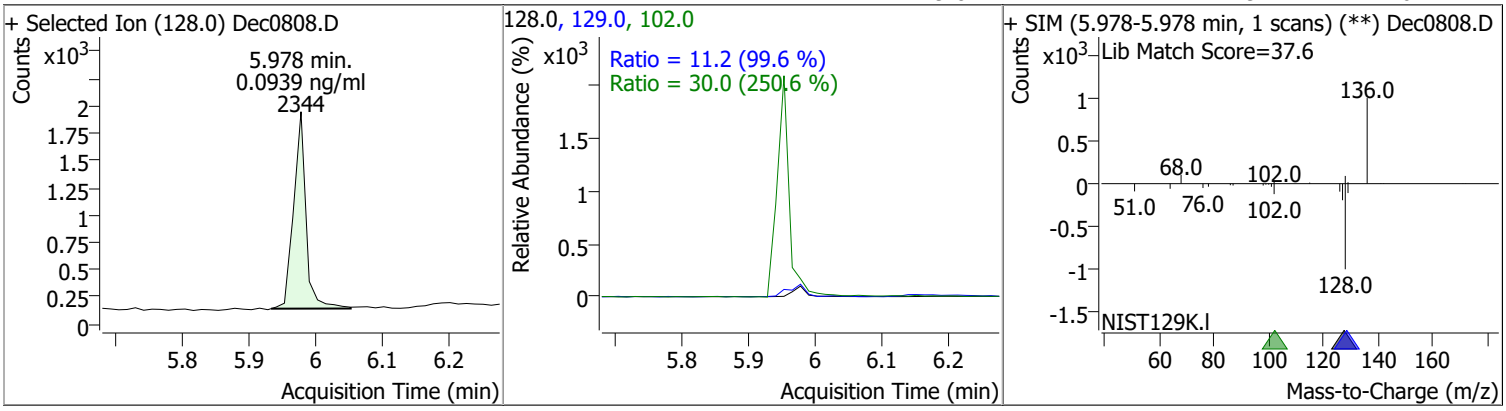
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S Nitrobenzene-d5	5.156	82.0	312	0.1209	ng/ml	#m	0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 2.42%		*	
S 2-Fluorobiphenyl	7.277	172.0	2124	0.1091	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 2.18%		*	
S Terphenyl-d14	12.300	244.0	1245	0.1186	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 2.37%		*	
Target Compounds							QValue
T Naphthalene	5.978	128.0	2344	0.0939	ng/ml		76
T 2-Methylnaphthalene	6.815	141.0	1415	0.0829	ng/ml		95
T 1-Methylnaphthalene	6.927	141.0	1575	0.0962	ng/ml		94

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

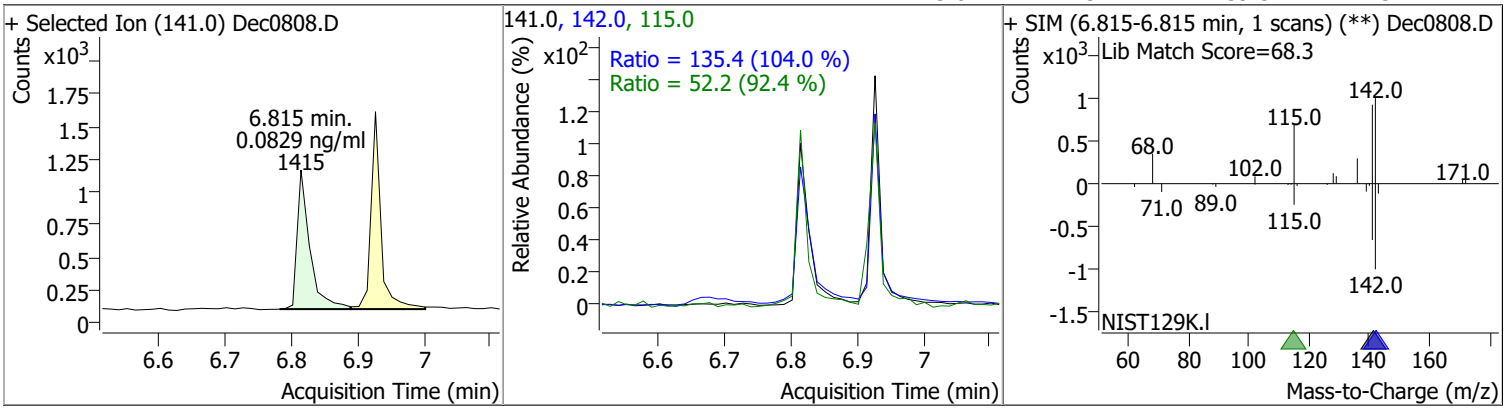
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	0.1209	5.16	0.01	312 (m)	54.0	41.1	23.5	43.7
					128.0	39.5	21.0	39.1



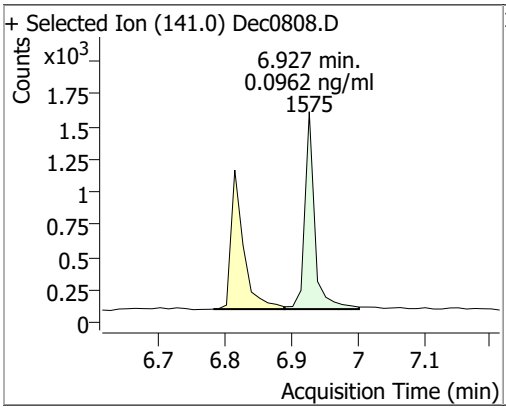
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	0.0939	5.98	0.00	2344	102.0	30.0	0.0	35.9
					129.0	11.2	7.9	14.6

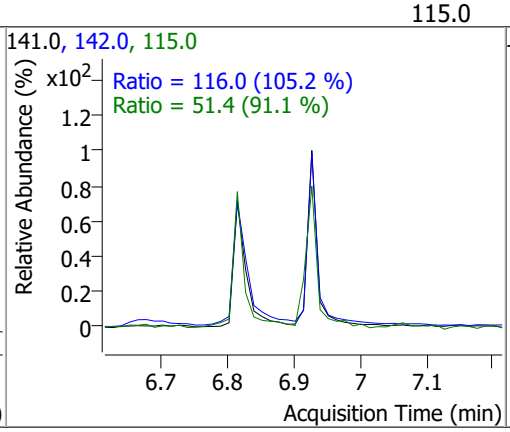


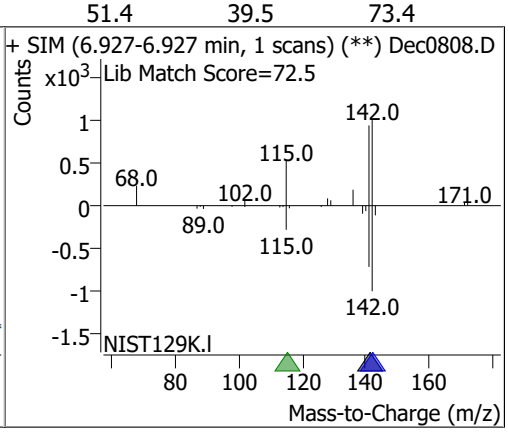
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	0.0829	6.81	0.00	1415	142.0	135.4	91.1	169.2
					115.0	52.2	39.5	73.4



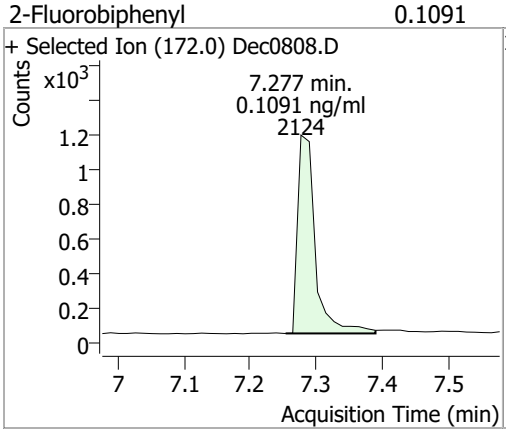
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	0.0962	6.93	0.01	1575	142.0	116.0	77.2	143.4
					115.0	51.4	39.5	73.4

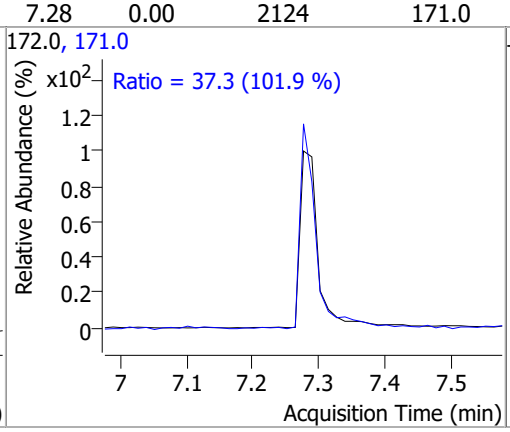


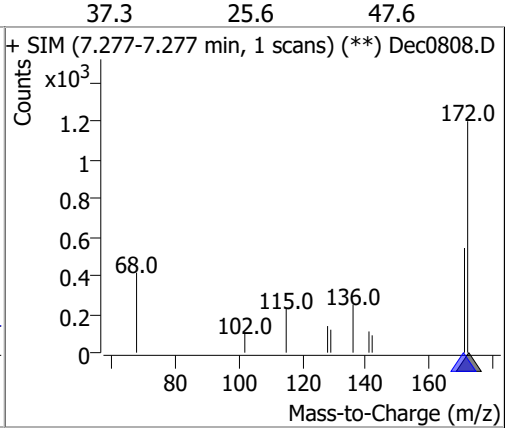




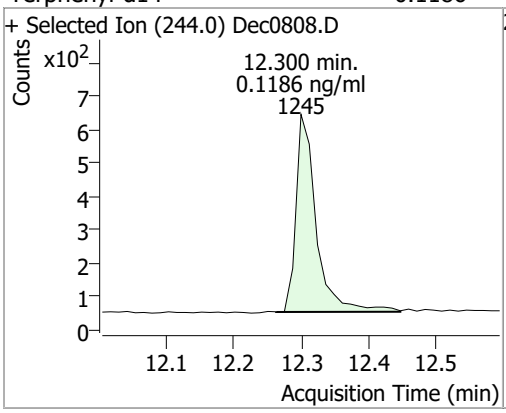
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	0.1091	7.28	0.00	2124	171.0	37.3	25.6	47.6

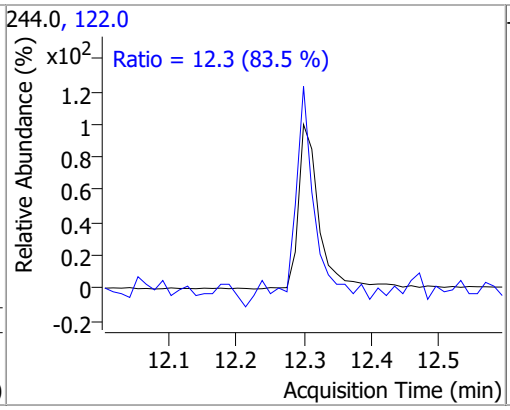


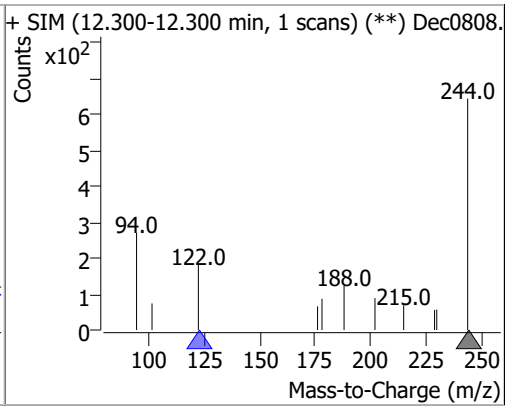




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	0.1186	12.30	0.00	1245	122.0	12.3	10.3	19.1



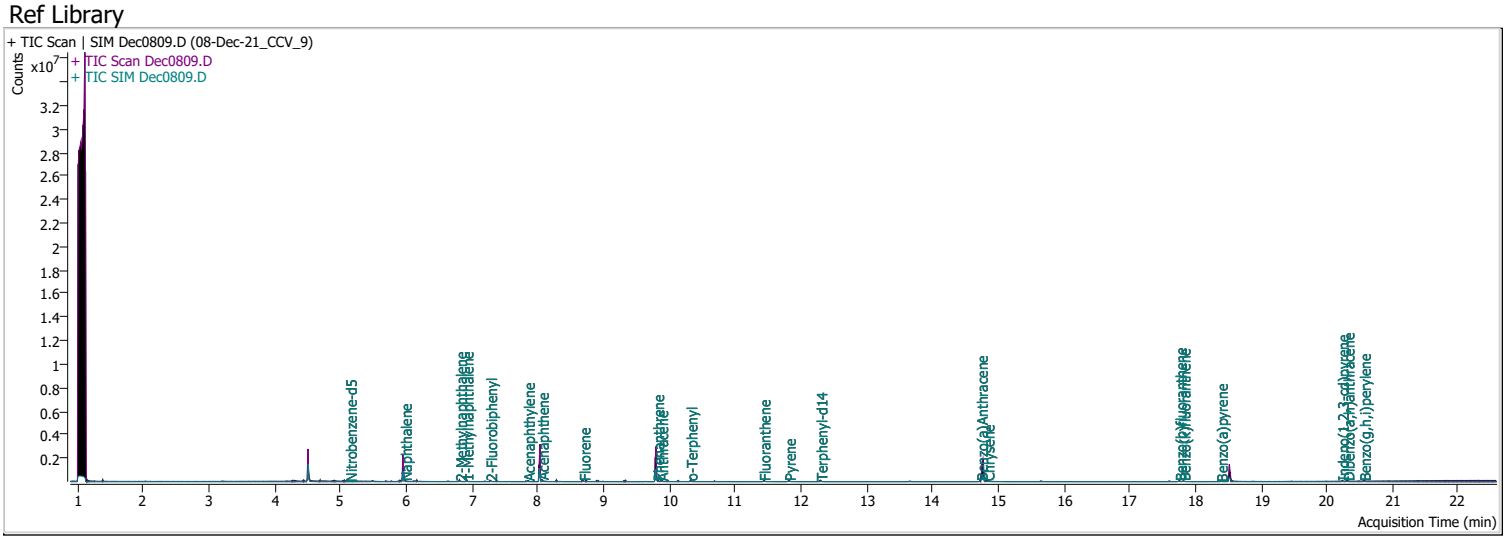




Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

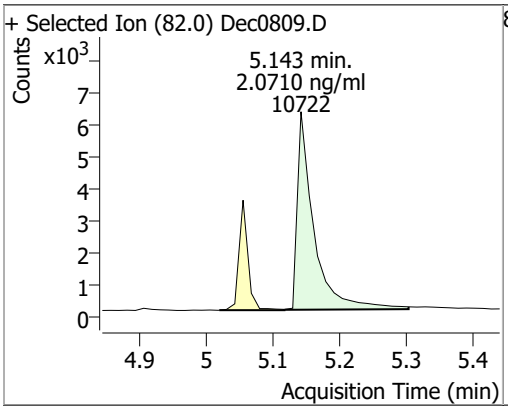
Data File	Dec0809.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 12:56:23 PM
Sample Name	08-Dec-21_CCV_9	Instrument	GCMS
Vial	9	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			

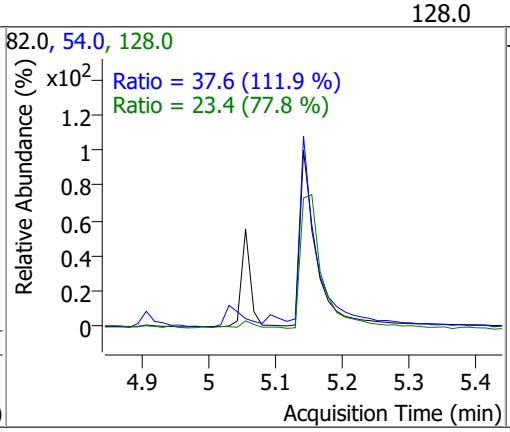


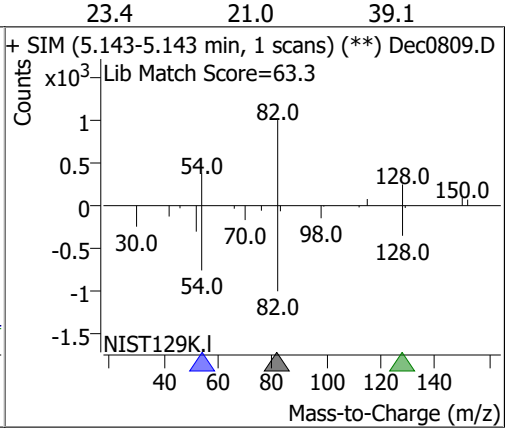
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
System Monitoring Compounds						
S Nitrobenzene-d5	5.143	82.0	10722	2.0710	ng/ml	0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 41.42%		
S 2-Fluorobiphenyl	7.277	172.0	43438	1.9671	ng/ml	0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 39.34%		
S Terphenyl-d14	12.300	244.0	26596	2.1376	ng/ml	0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 42.75%		
Target Compounds						QValue
T Naphthalene	5.978	128.0	45632	2.0712	ng/ml	100
T 2-Methylnaphthalene	6.815	141.0	27288	2.1502	ng/ml	96
T 1-Methylnaphthalene	6.915	141.0	29707	2.1920	ng/ml	97

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

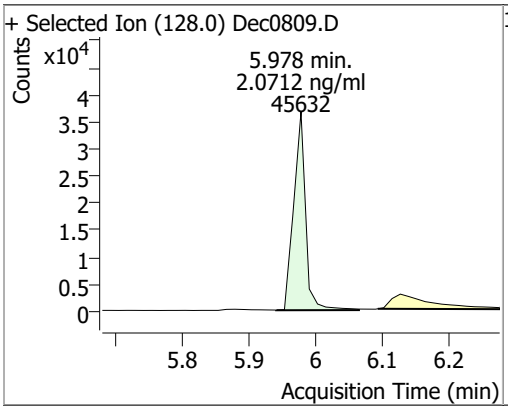
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	2.0710	5.14	0.00	10722	54.0	37.6	23.5	43.7
					128.0	23.4	21.0	39.1

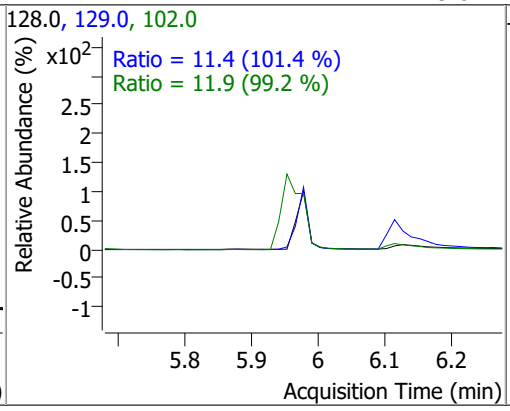


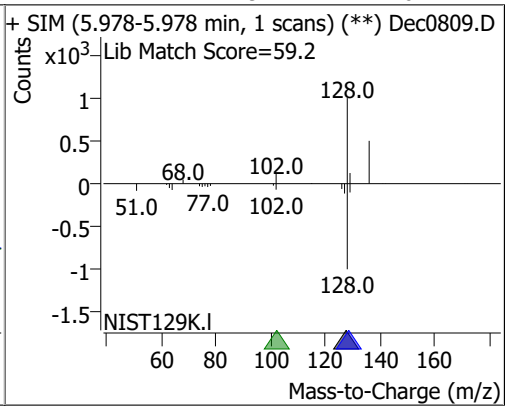




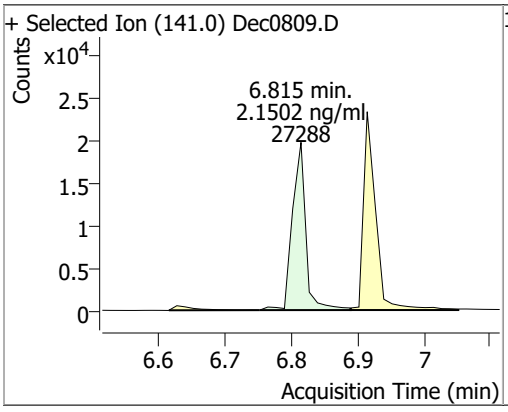
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	2.0712	5.98	0.00	45632	102.0	11.9	0.0	35.9
					129.0	11.4	7.9	14.6

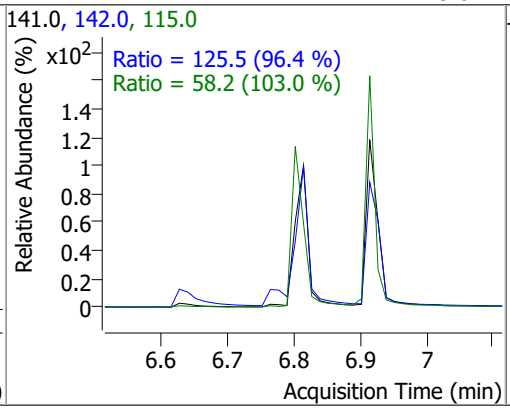


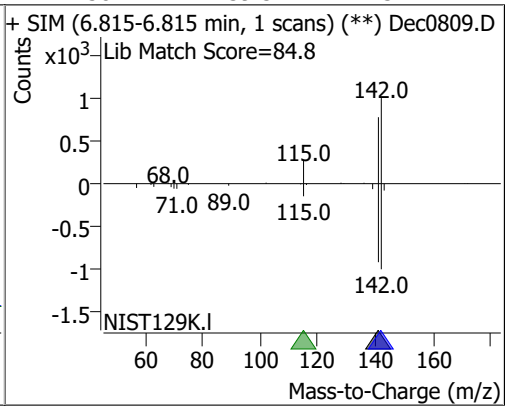




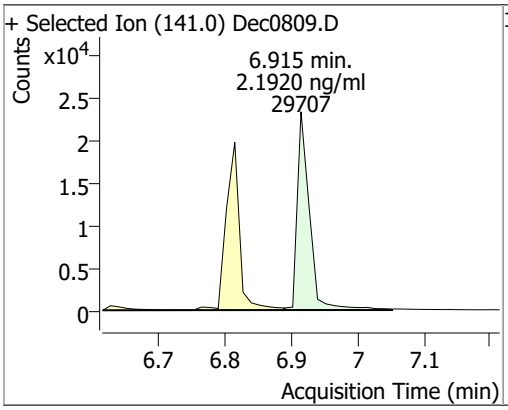
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	2.1502	6.81	0.00	27288	142.0	125.5	91.1	169.2
					115.0	58.2	39.5	73.4

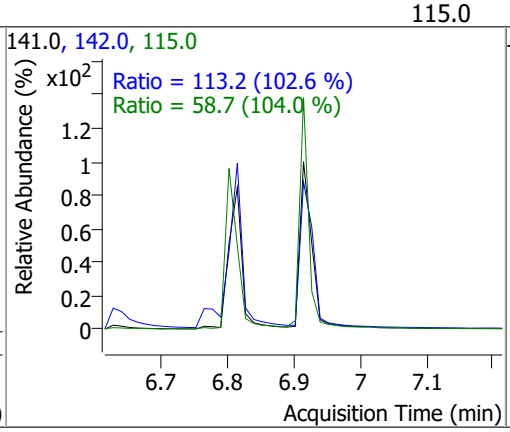


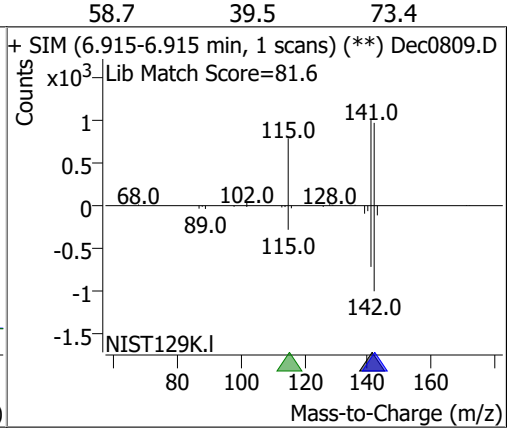




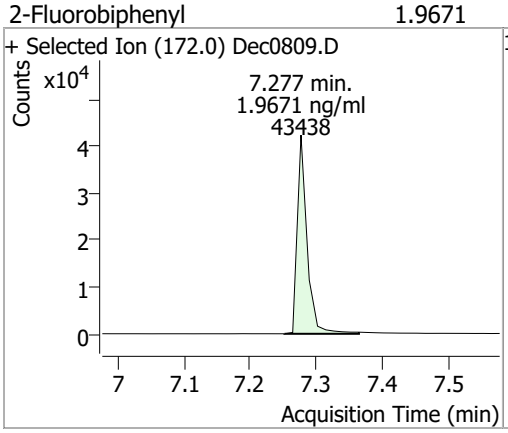
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	2.1920	6.91	0.00	29707	142.0	113.2	77.2	143.4
					115.0	58.7	39.5	73.4

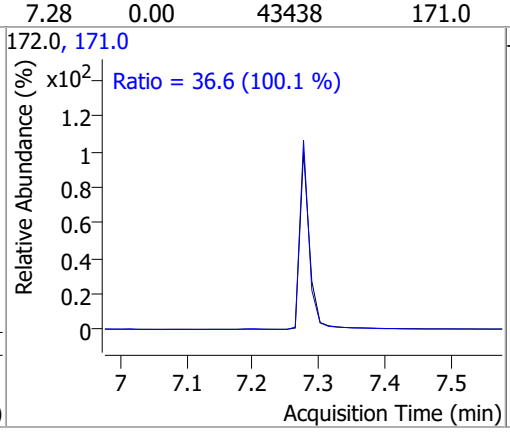


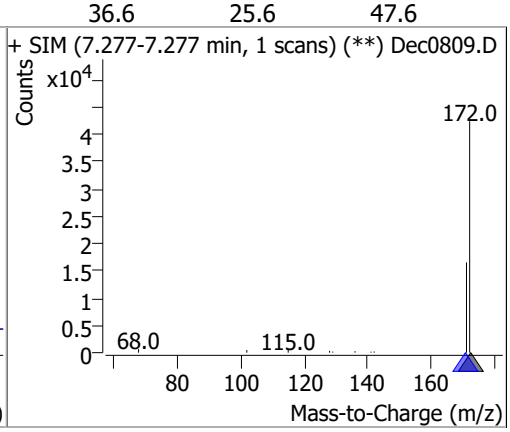




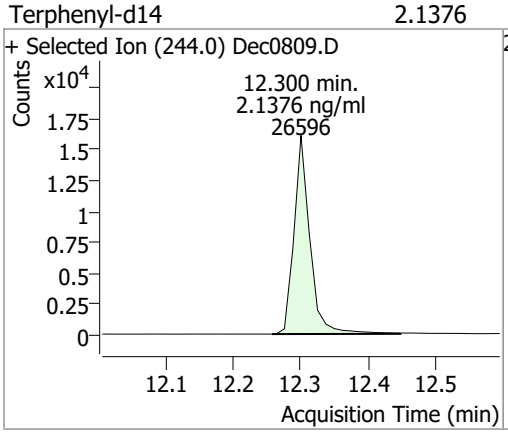
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	1.9671	7.28	0.00	43438	171.0	36.6	25.6	47.6

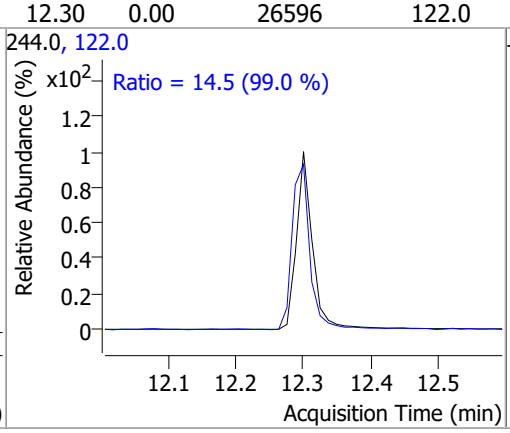


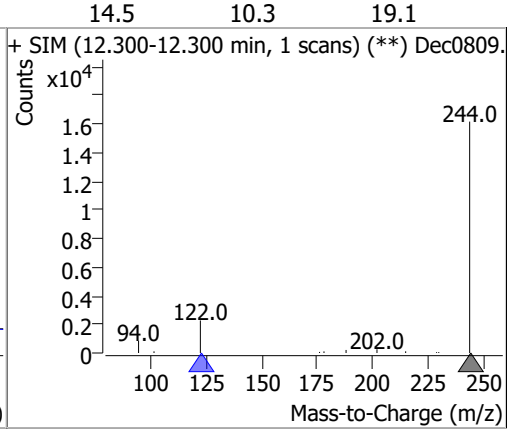




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	2.1376	12.30	0.00	26596	122.0	14.5	10.3	19.1

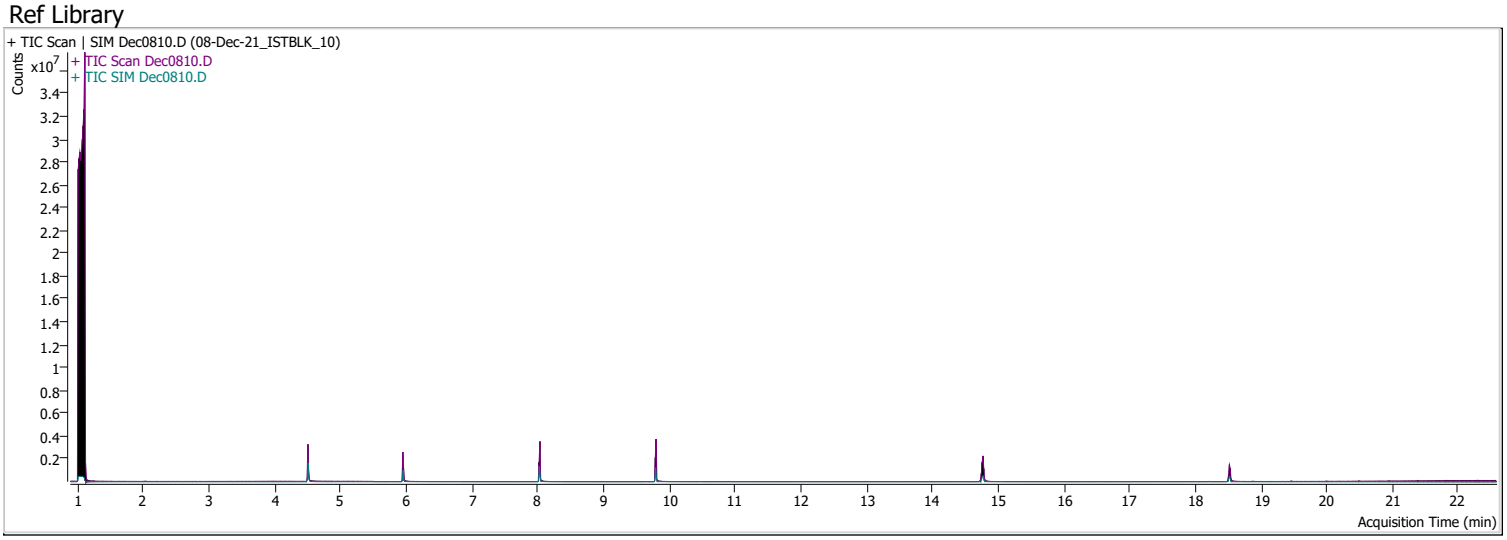






Quantitation Results Report (QT Reviewed)

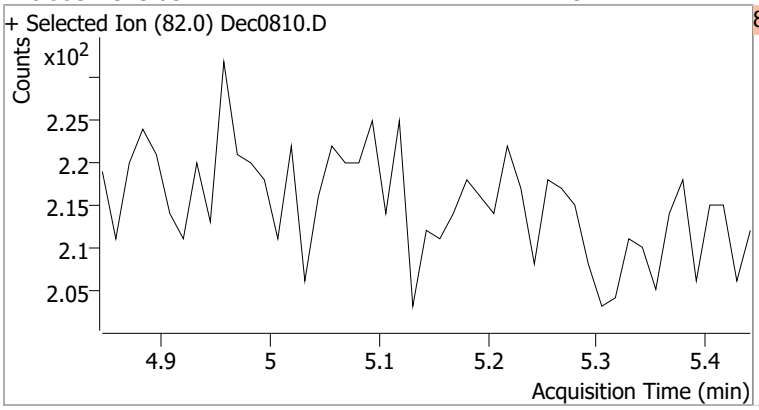
Data File	Dec0810.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 1:28:52 PM
Sample Name	08-Dec-21_ISTBLK_10	Instrument	GCMS
Vial	10	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			

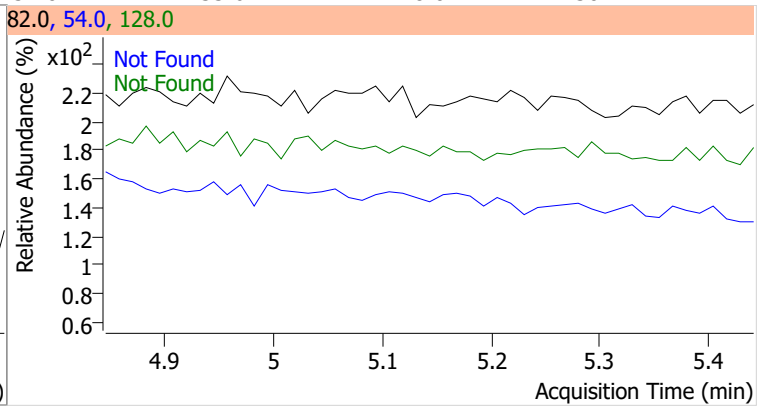


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
System Monitoring Compounds						
S Nitrobenzene-d5	0.000		0	N.D.		
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = NA%		
S 2-Fluorobiphenyl	0.000		0	N.D.		
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = NA%		
S Terphenyl-d14	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.		

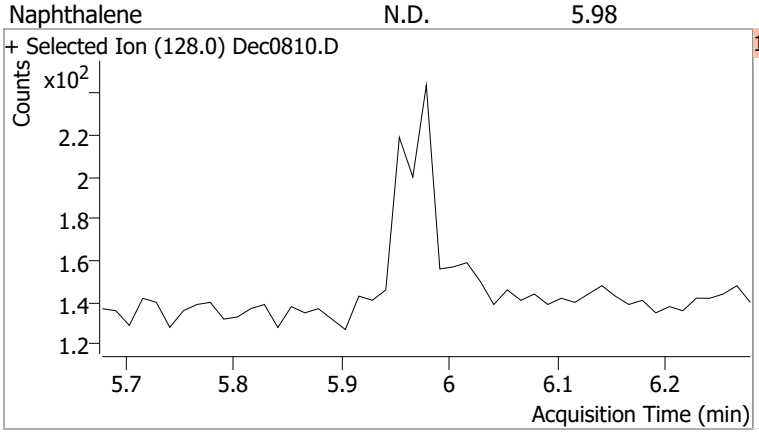
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

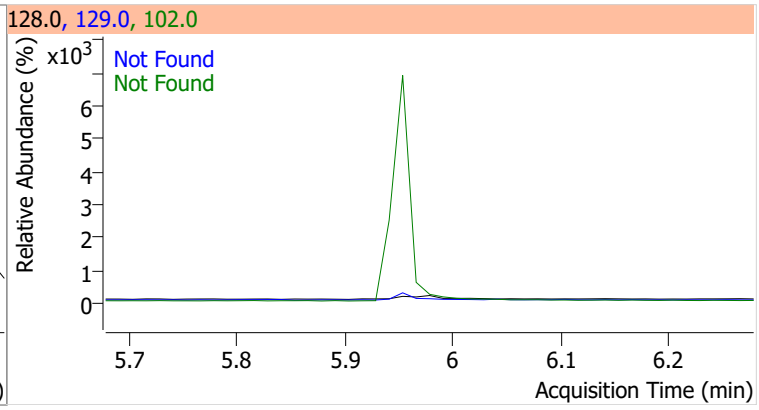
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene-d5	N.D.	5.14	54.0	33.6	128.0	30.1



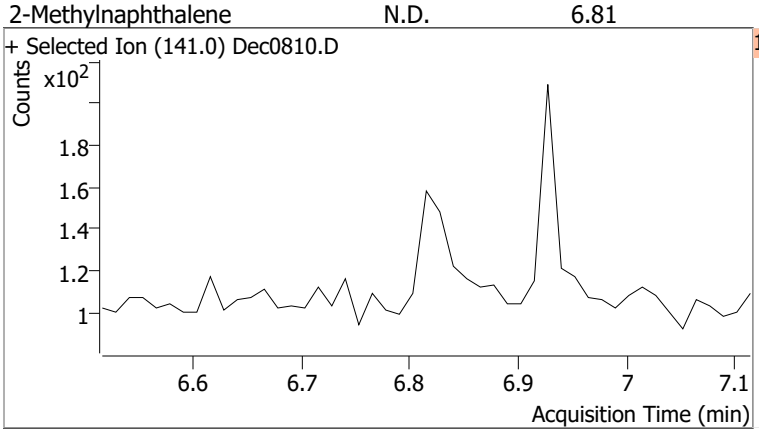


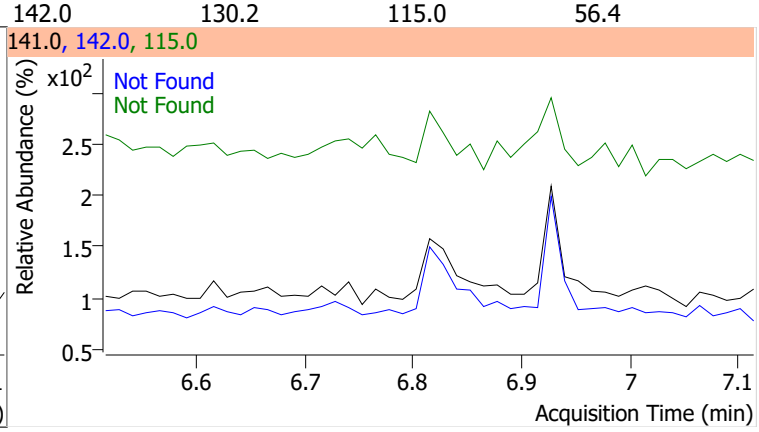
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.98	102.0	12.0	129.0	11.3



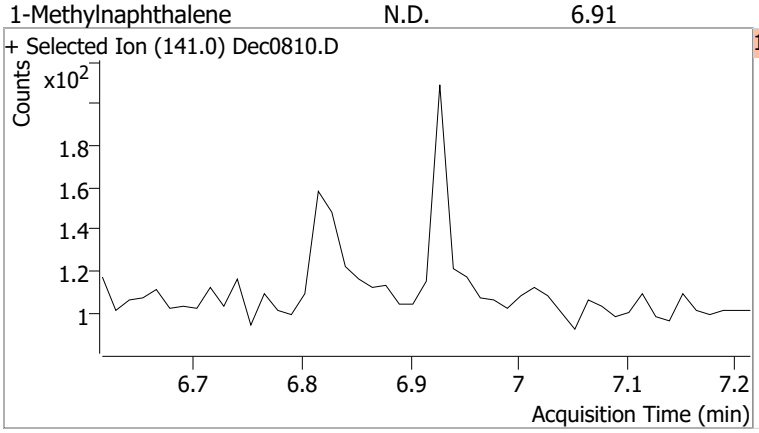


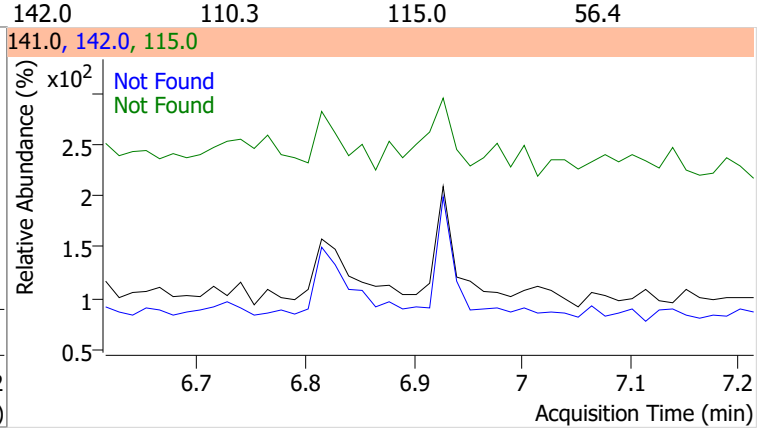
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.81	142.0	130.2	115.0	56.4



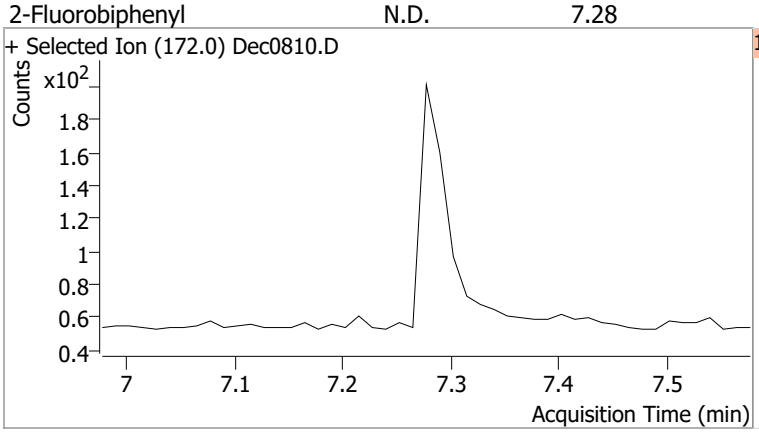


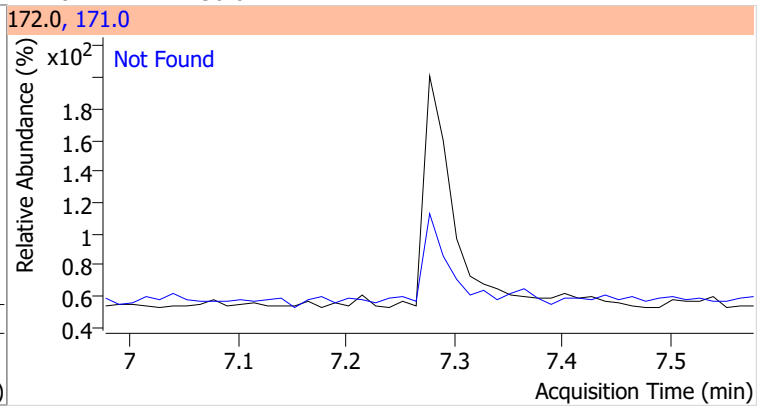
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.91	142.0	110.3	115.0	56.4



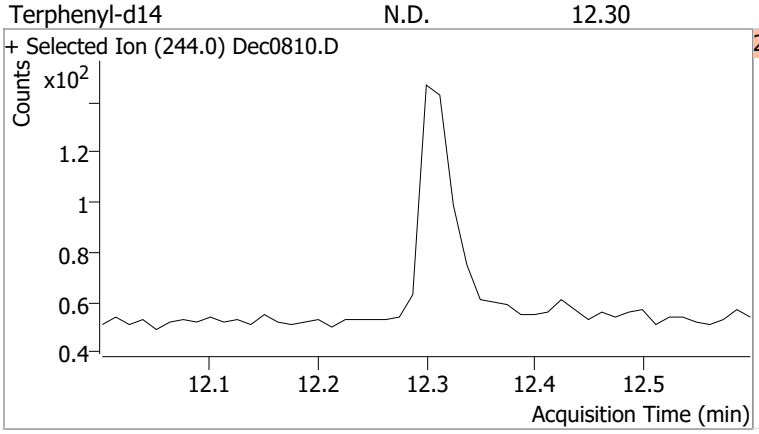


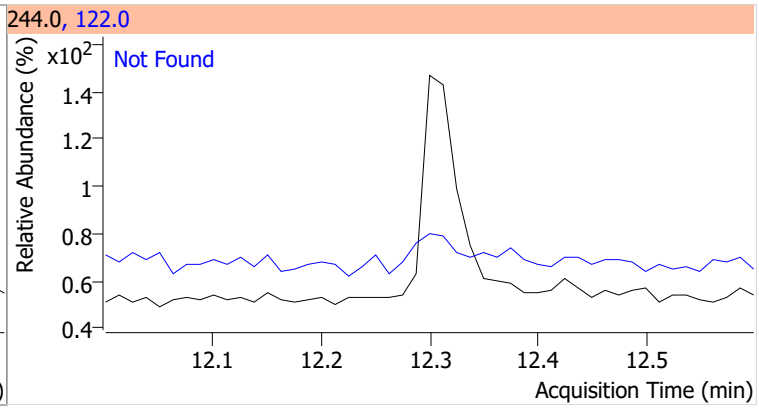
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Fluorobiphenyl	N.D.	7.28	171.0	36.6





Compound	Conc.	Exp RT	QIon	Exp Ratio
Terphenyl-d14	N.D.	12.30	122.0	14.7

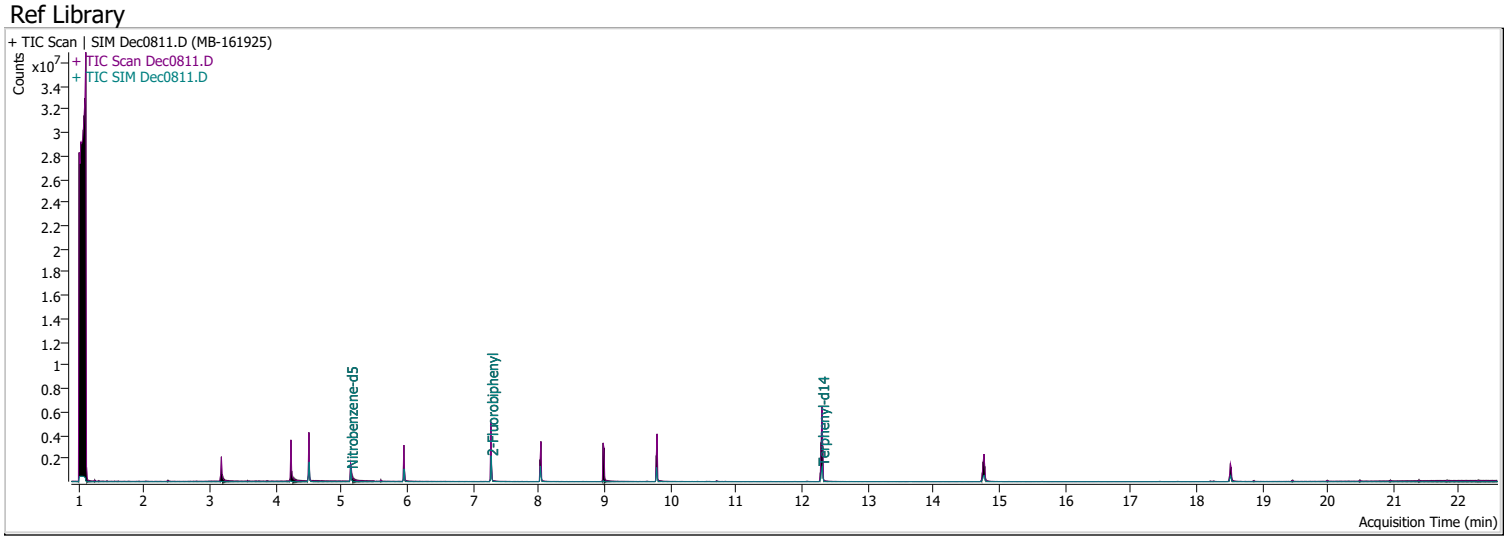




Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

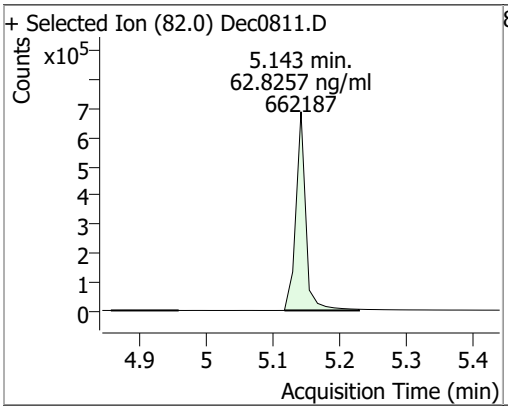
Data File	Dec0811.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 2:01:25 PM
Sample Name	MB-161925	Instrument	GCMS
Vial	11	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			

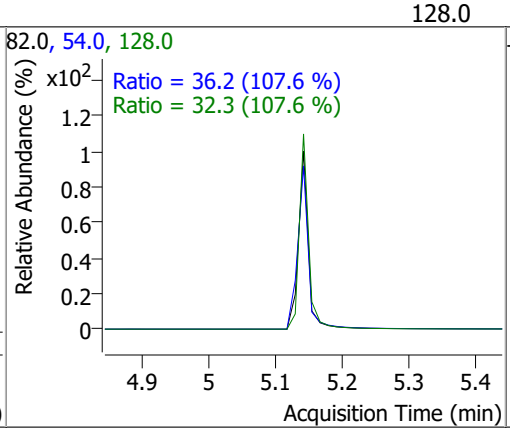


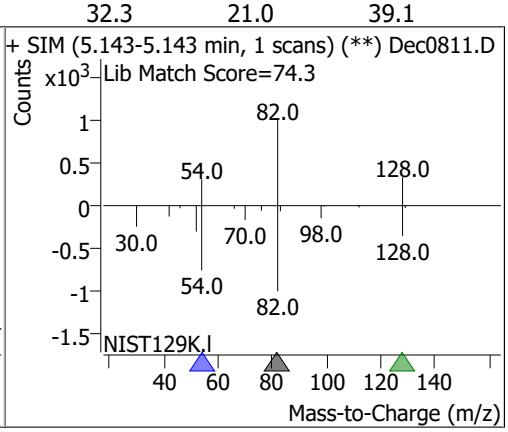
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	662187	62.8257	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1256.51%		*	
S 2-Fluorobiphenyl	7.277	172.0	1416769	53.9637	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1079.27%		*	
S Terphenyl-d14	12.312	244.0	1706060	110.2305	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 2204.61%		*	
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.			

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

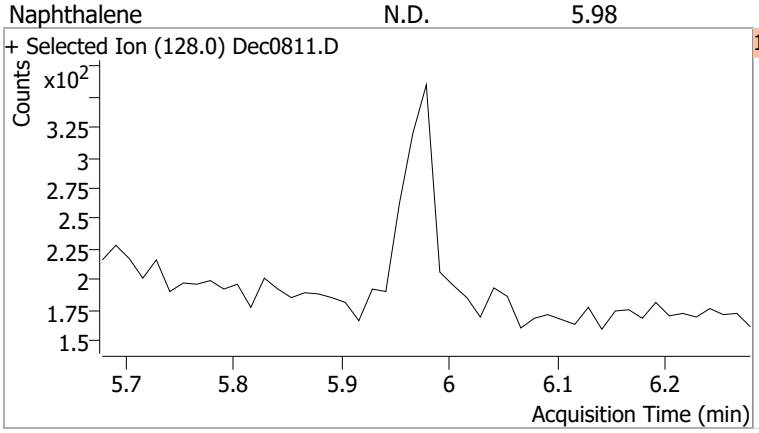
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	62.8257	5.14	0.00	662187	54.0	36.2	23.5	43.7
					128.0	32.3	21.0	39.1

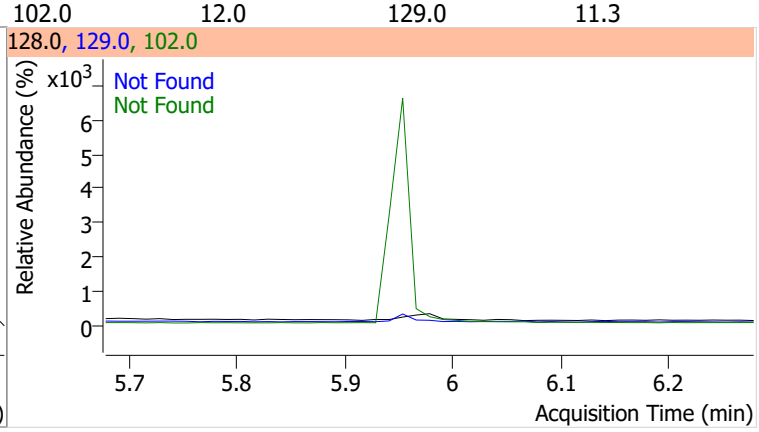




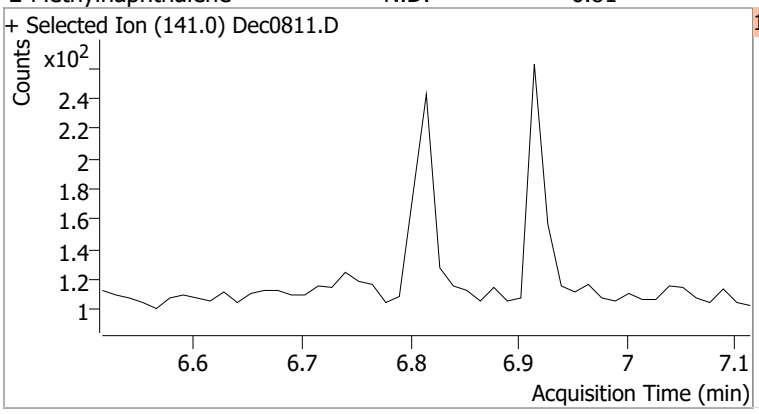


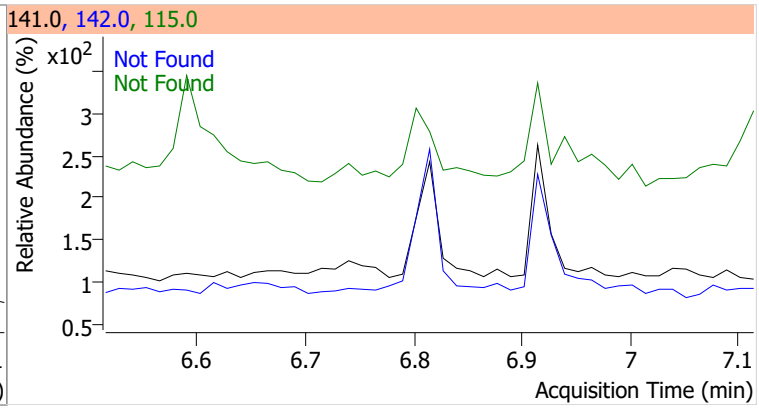
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.98	102.0	12.0	129.0	11.3



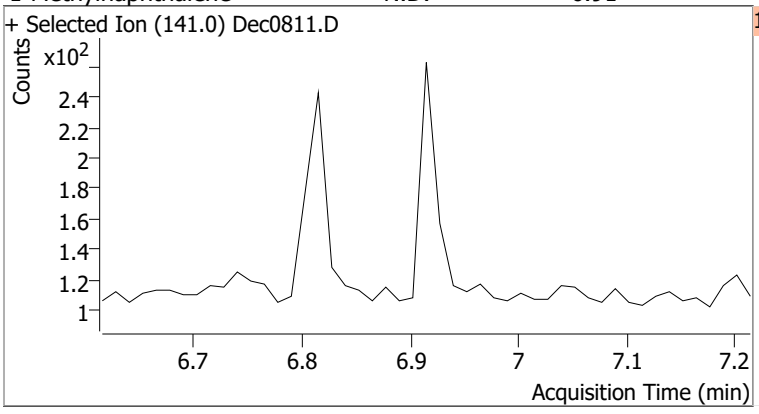


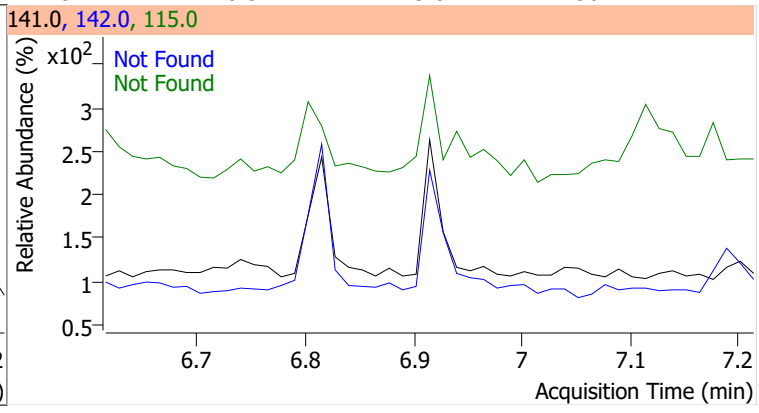
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.81	142.0	130.2	115.0	56.4



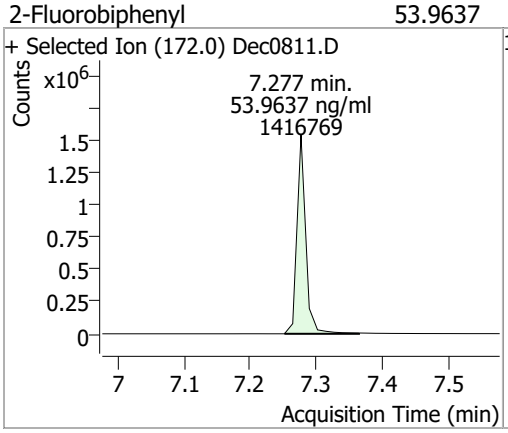


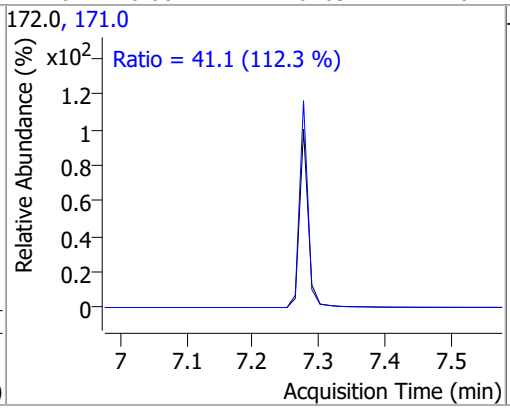
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.91	142.0	110.3	115.0	56.4

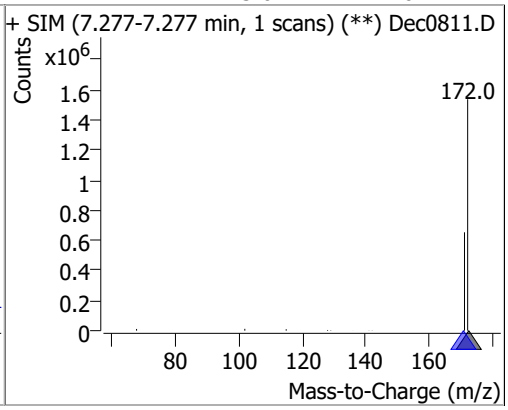




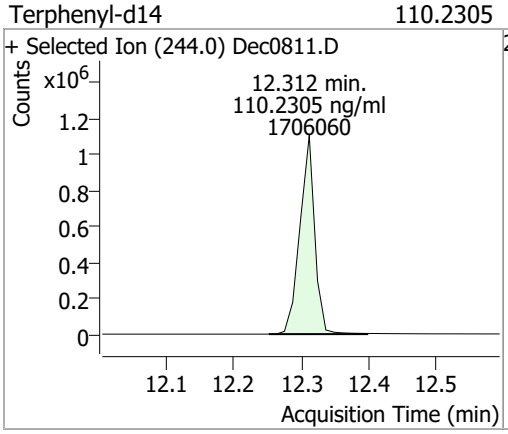
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	53.9637	7.28	0.00	1416769	171.0	41.1	25.6	47.6

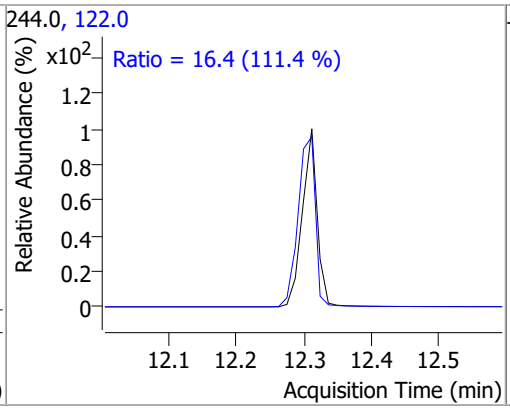


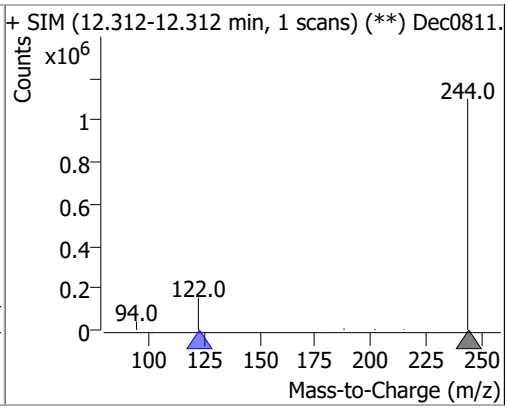




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	110.2305	12.31	0.01	1706060	122.0	16.4	10.3	19.1

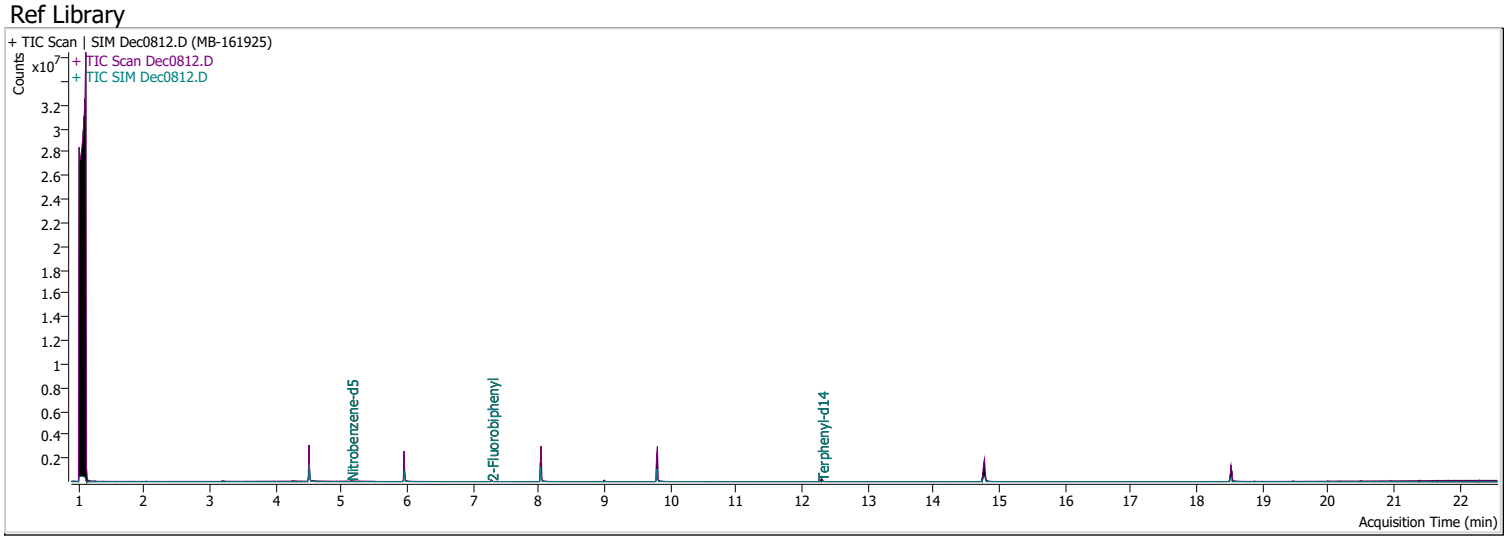






Quantitation Results Report (QT Reviewed)

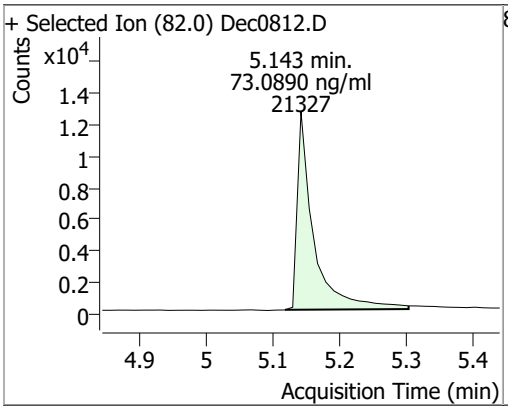
Data File	Dec0812.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 2:33:53 PM
Sample Name	MB-161925	Instrument	GCMS
Vial	12	Multiplier	20.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			

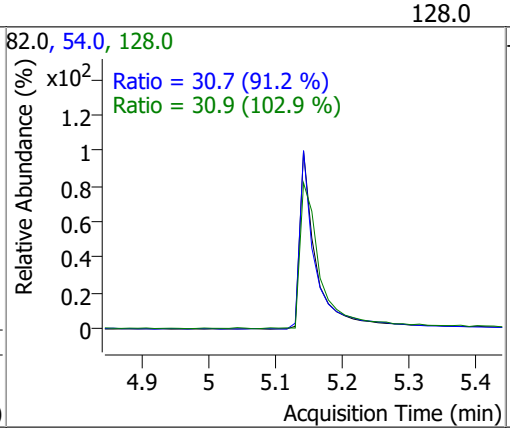


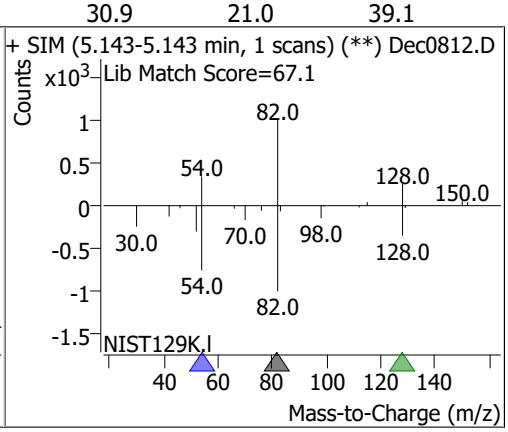
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	21327	73.0890	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1461.78%		*	
S 2-Fluorobiphenyl	7.277	172.0	66599	56.9096	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1138.19%		*	
S Terphenyl-d14	12.300	244.0	73458	113.9727	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 2279.45%		*	
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.			

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

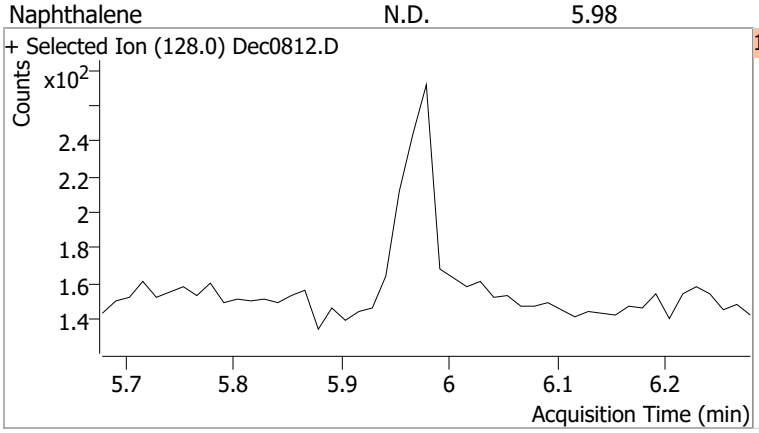
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	73.0890	5.14	0.00	21327	54.0	30.7	23.5	43.7
					128.0	30.9	21.0	39.1

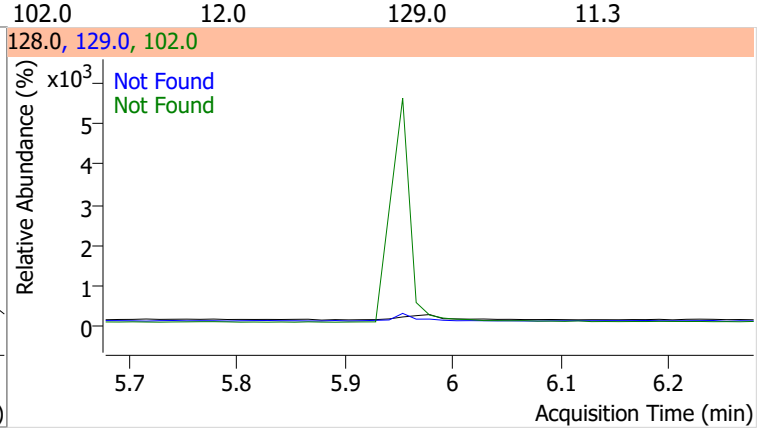




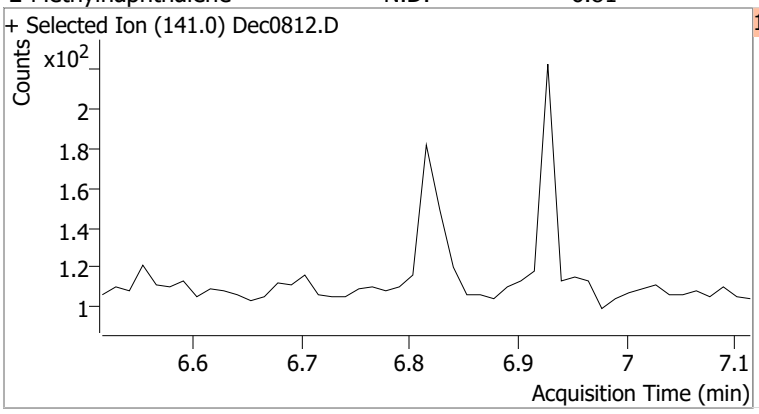


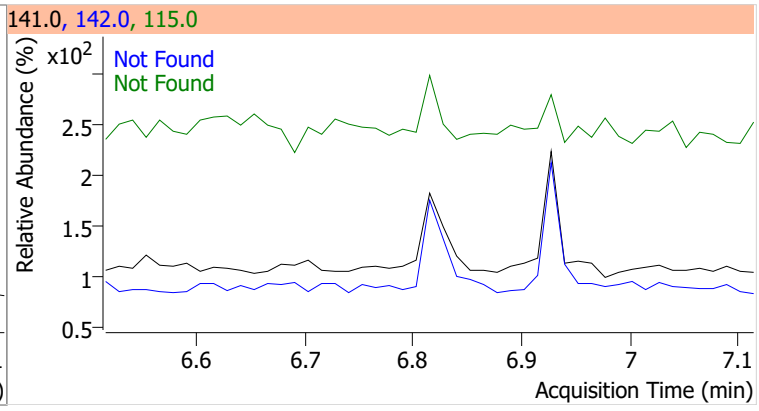
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.98	102.0	12.0	129.0	11.3



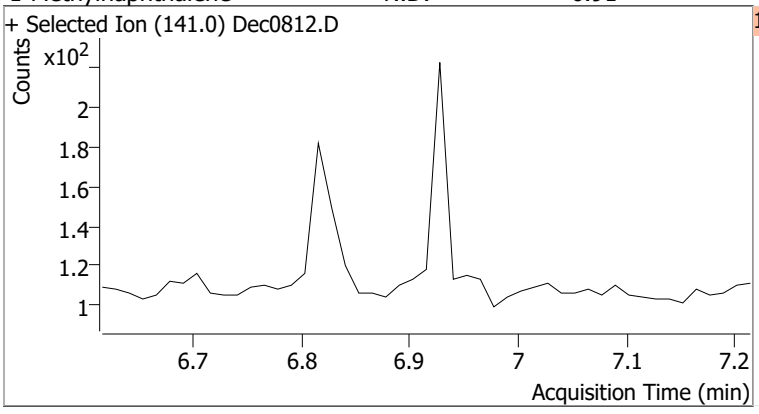


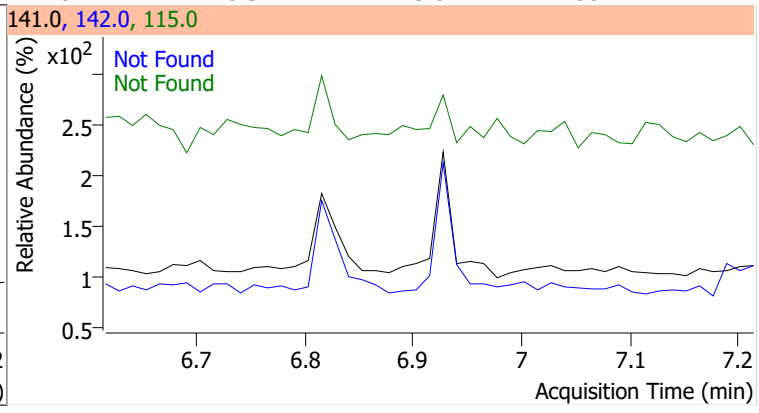
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.81	142.0	130.2	115.0	56.4



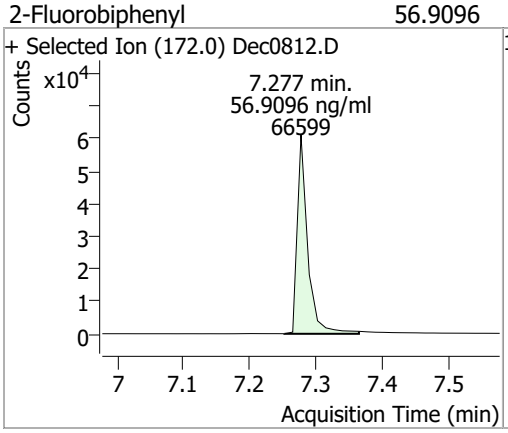


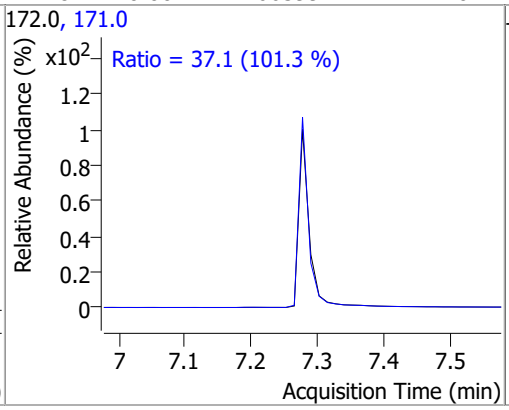
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.91	142.0	110.3	115.0	56.4

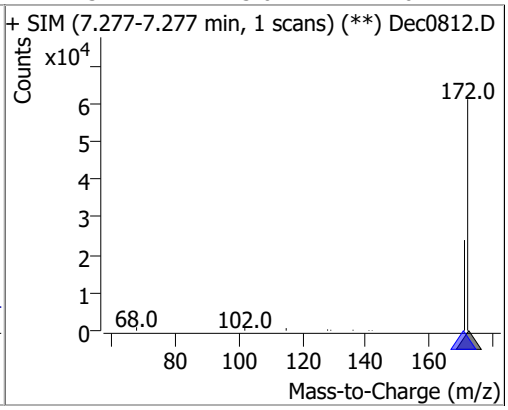




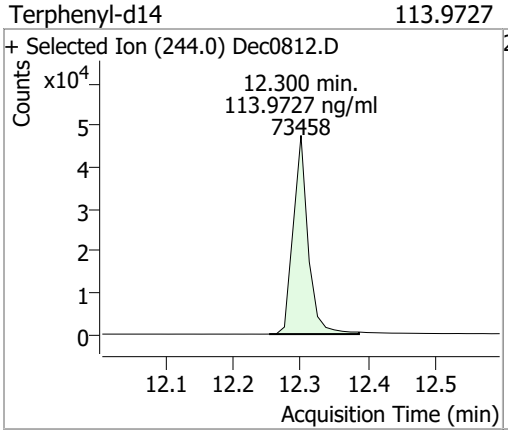
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	56.9096	7.28	0.00	66599	171.0	37.1	25.6	47.6

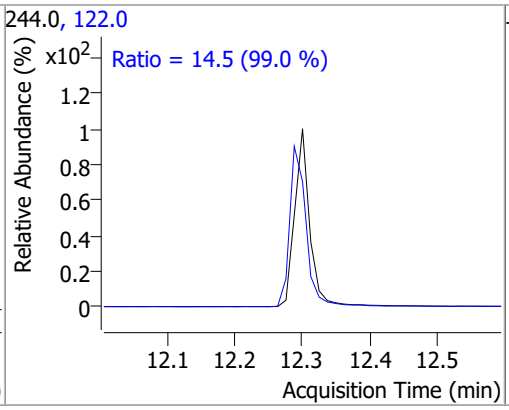


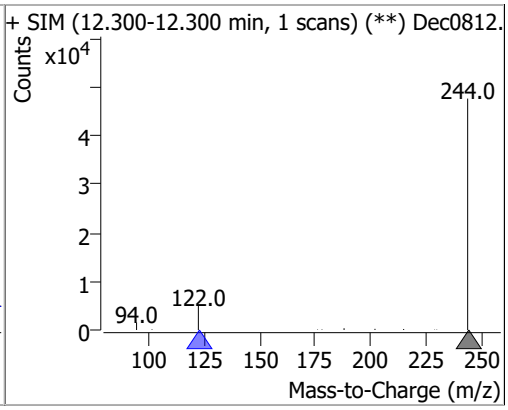




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	113.9727	12.30	0.00	73458	122.0	14.5	10.3	19.1



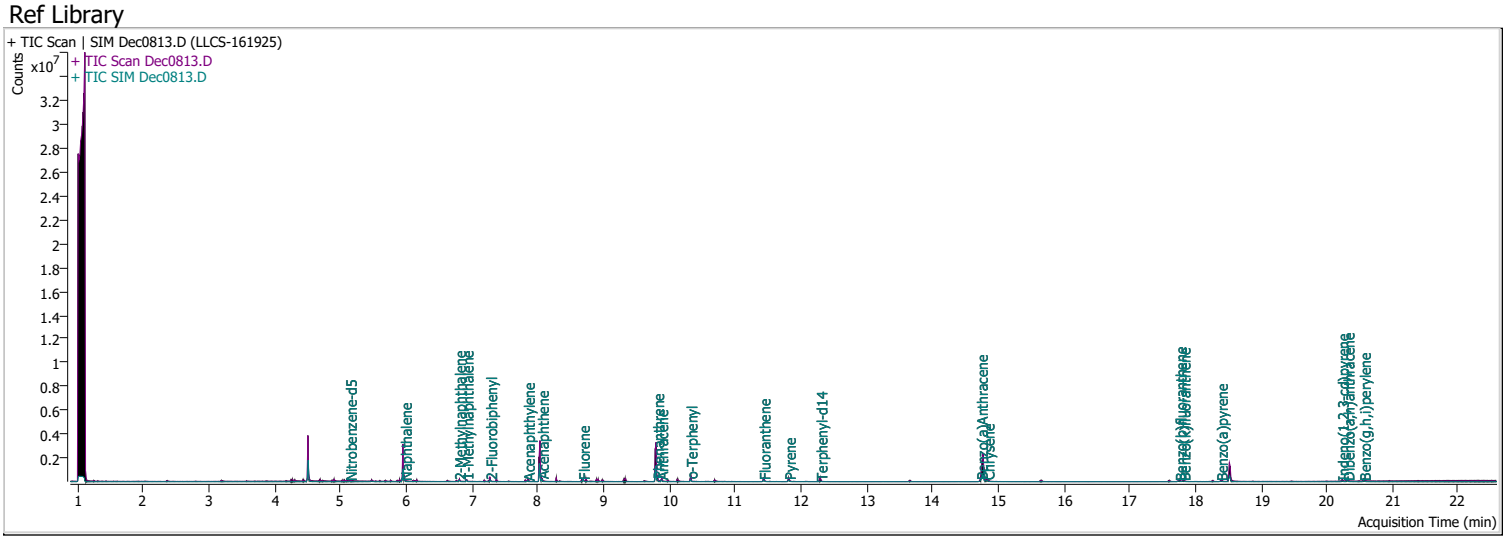




Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

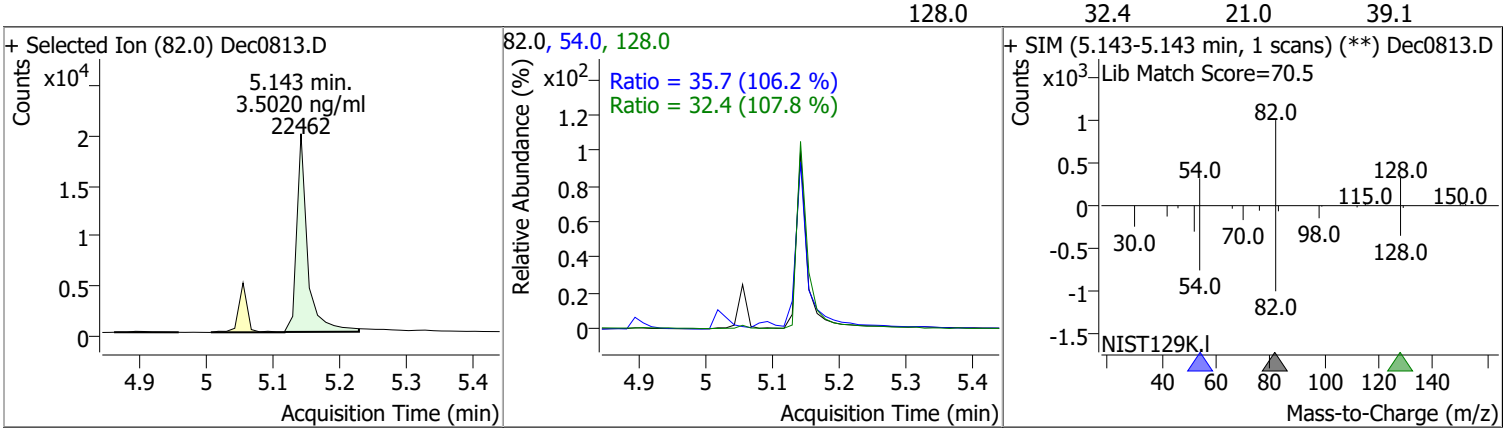
Data File	Dec0813.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 3:06:29 PM
Sample Name	LLCS-161925	Instrument	GCMS
Vial	13	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			



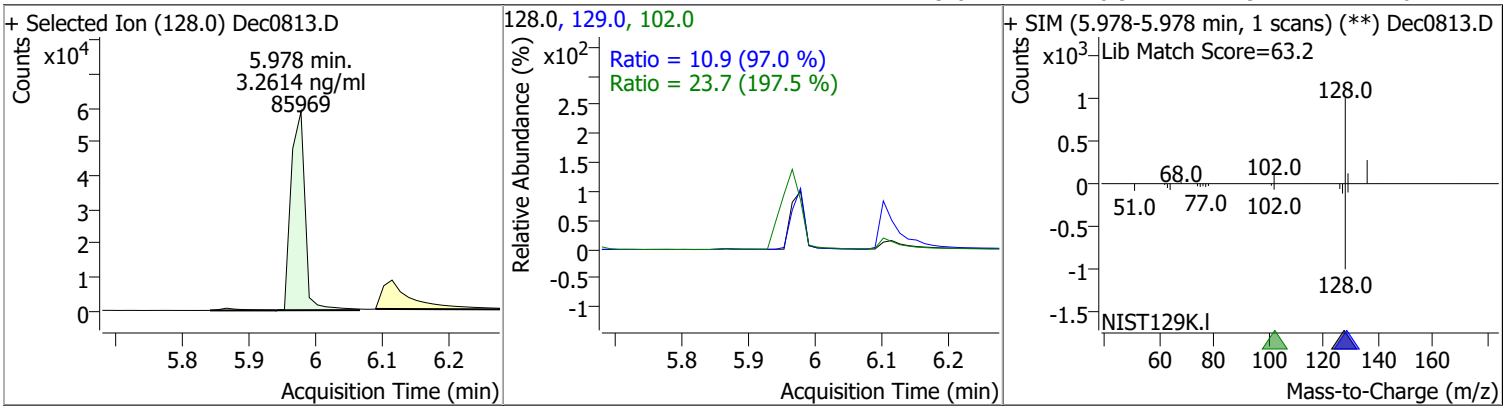
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
System Monitoring Compounds						
S Nitrobenzene-d5	5.143	82.0	22462	3.5020	ng/ml	0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 70.04%		
S 2-Fluorobiphenyl	7.277	172.0	99762	3.7341	ng/ml	0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 74.68%		
S Terphenyl-d14	12.300	244.0	74181	4.9148	ng/ml	0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 98.30%		
Target Compounds						QValue
T Naphthalene	5.978	128.0	85969	3.2614	ng/ml	84
T 2-Methylnaphthalene	6.802	141.0	52636	3.4147	ng/ml	93
T 1-Methylnaphthalene	6.915	141.0	53844	3.2741	ng/ml	98

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

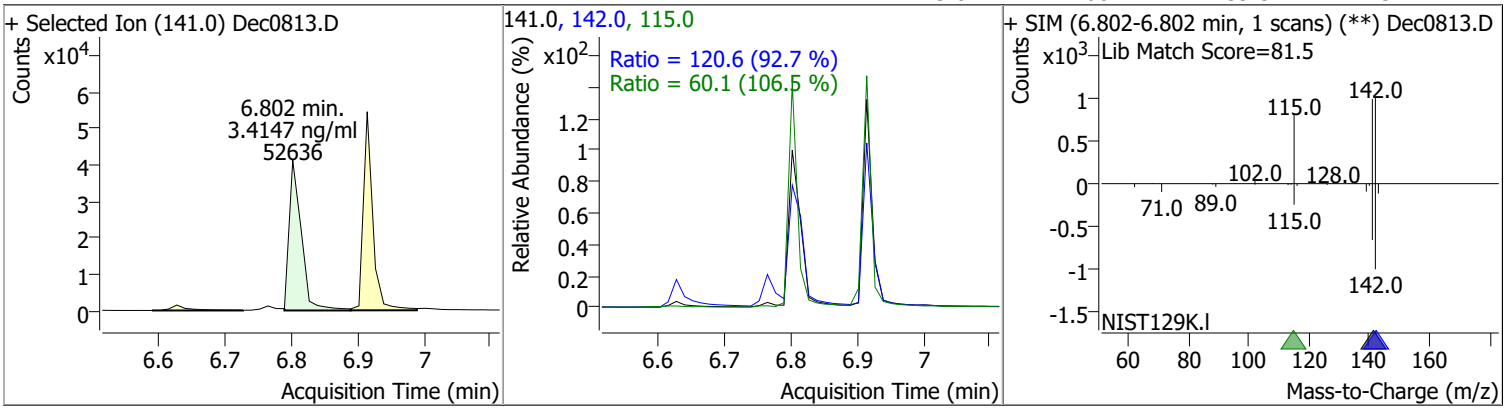
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	3.5020	5.14	0.00	22462	54.0	35.7	23.5	43.7
					128.0	32.4	21.0	39.1



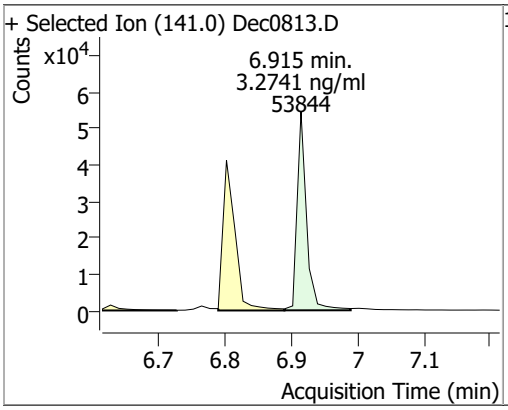
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	3.2614	5.98	0.00	85969	102.0	23.7	0.0	35.9
					129.0	10.9	7.9	14.6

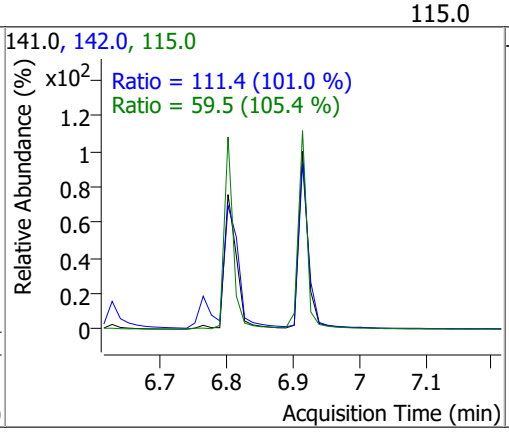


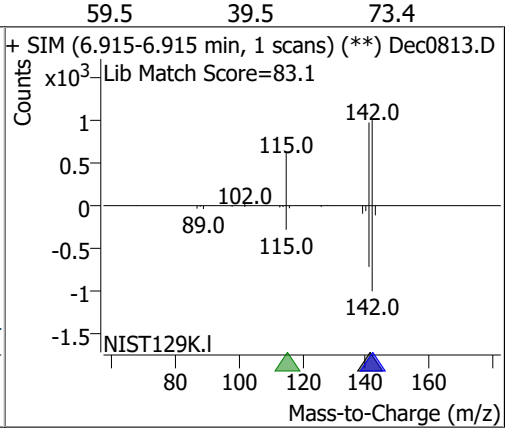
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	3.4147	6.80	-0.01	52636	142.0	120.6	91.1	169.2
					115.0	60.1	39.5	73.4



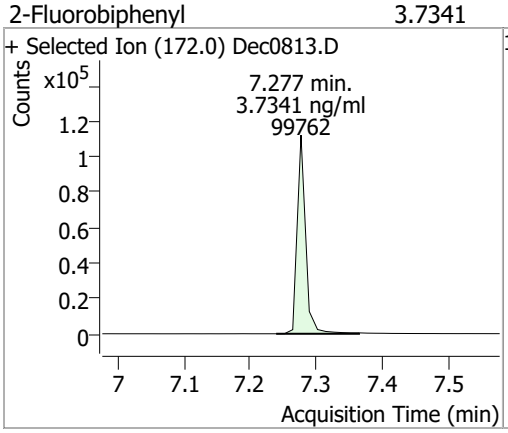
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	3.2741	6.91	0.00	53844	142.0	111.4	77.2	143.4
					115.0	59.5	39.5	73.4

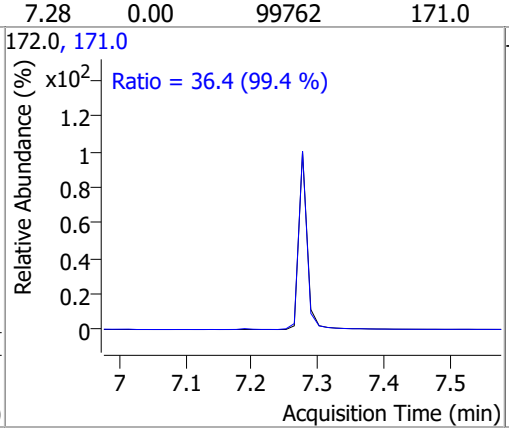


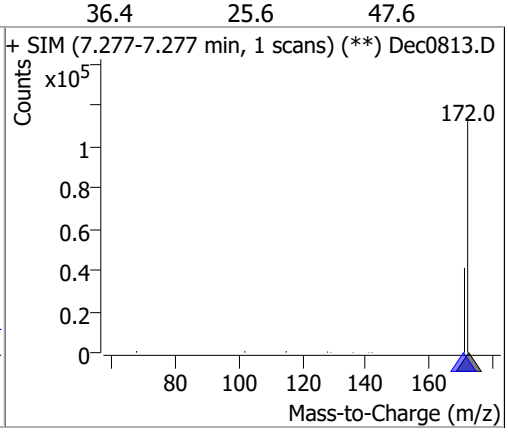




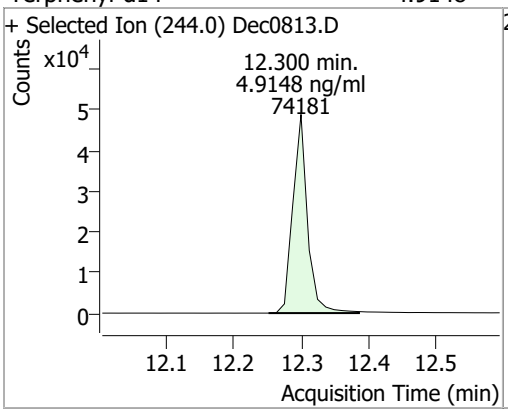
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.7341	7.28	0.00	99762	171.0	36.4	25.6	47.6

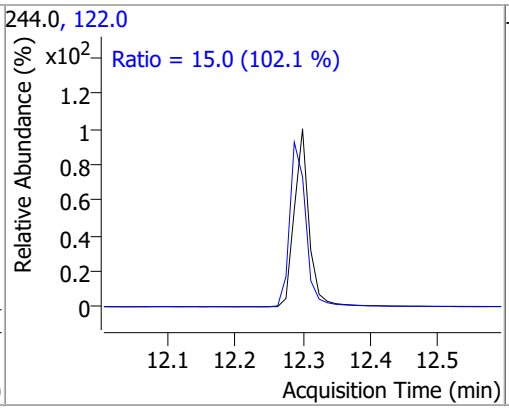


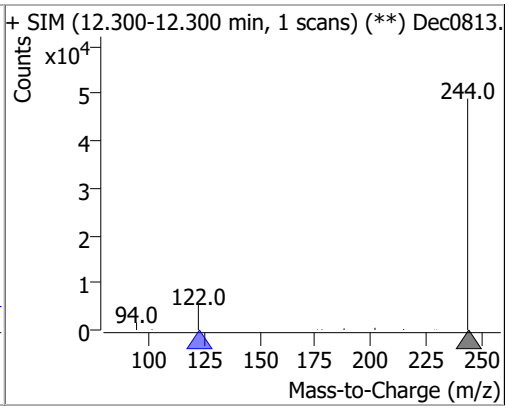




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	4.9148	12.30	0.00	74181	122.0	15.0	10.3	19.1

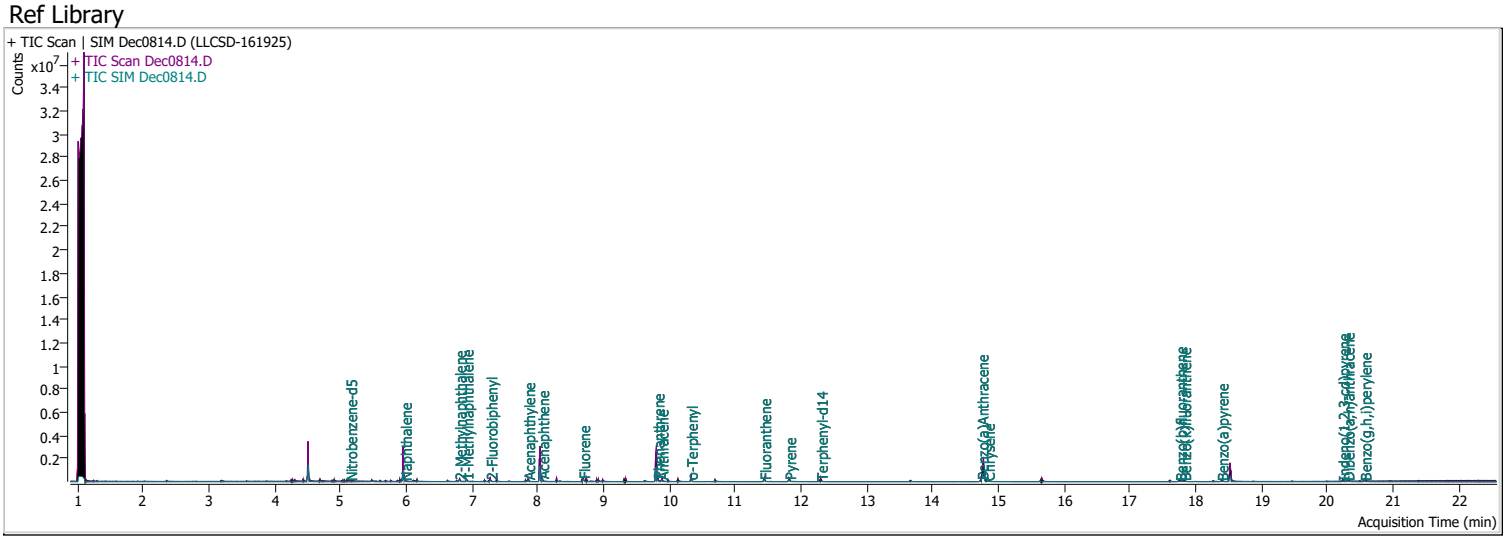






Quantitation Results Report (QT Reviewed)

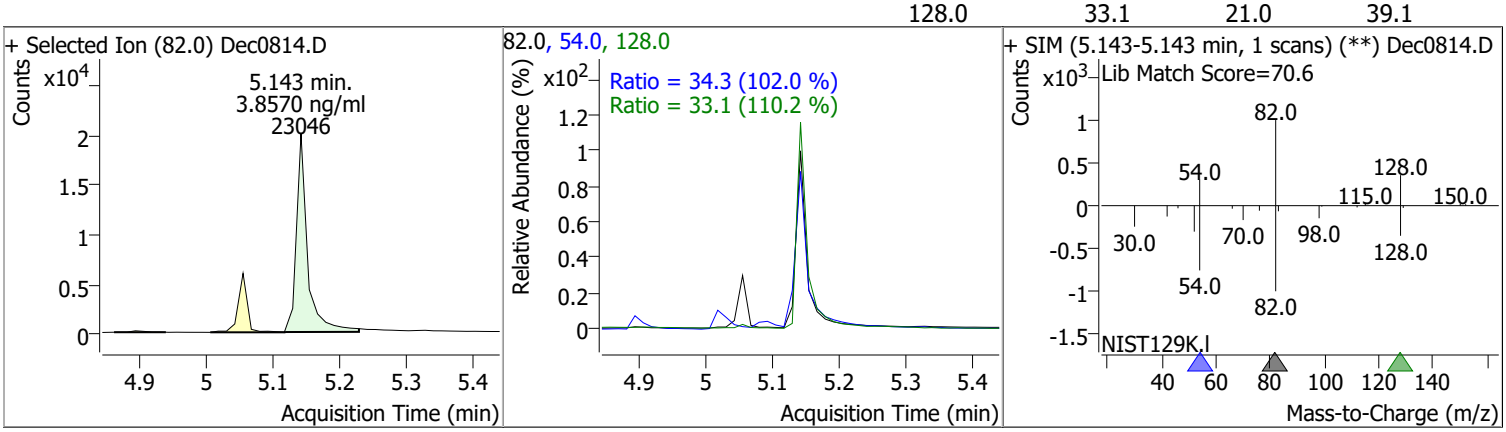
Data File	Dec0814.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 3:38:51 PM
Sample Name	LLCSD-161925	Instrument	GCMS
Vial	14	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			



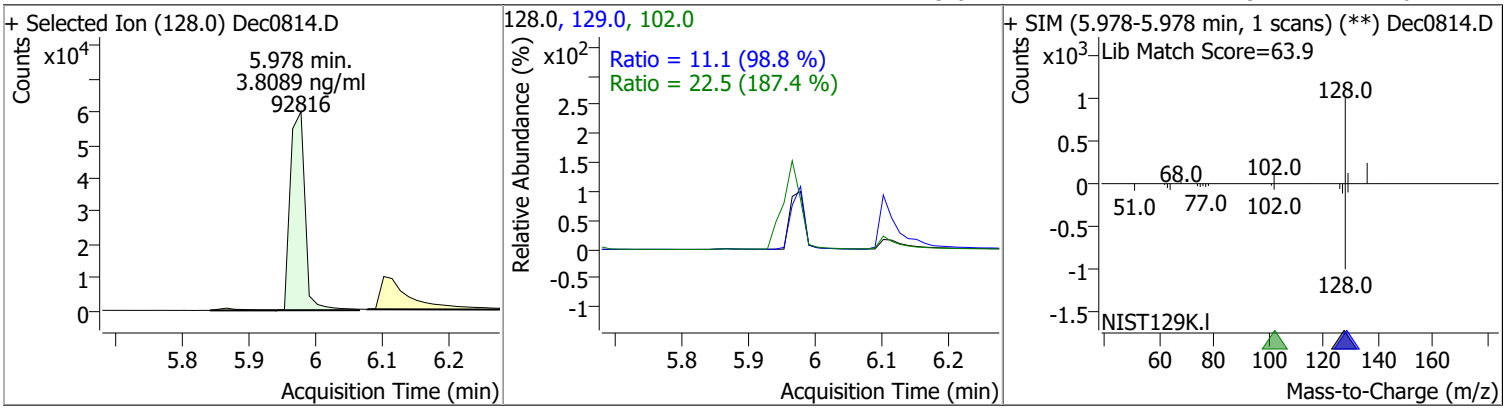
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	23046	3.8570	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 77.14%			
S 2-Fluorobiphenyl	7.277	172.0	100624	4.2049	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 84.10%			
S Terphenyl-d14	12.300	244.0	74198	5.5555	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 111.11%		*	
Target Compounds							QValue
T Naphthalene	5.978	128.0	92816	3.8089	ng/ml		86
T 2-Methylnaphthalene	6.802	141.0	59739	4.1557	ng/ml		93
T 1-Methylnaphthalene	6.915	141.0	63708	4.1543	ng/ml		99

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

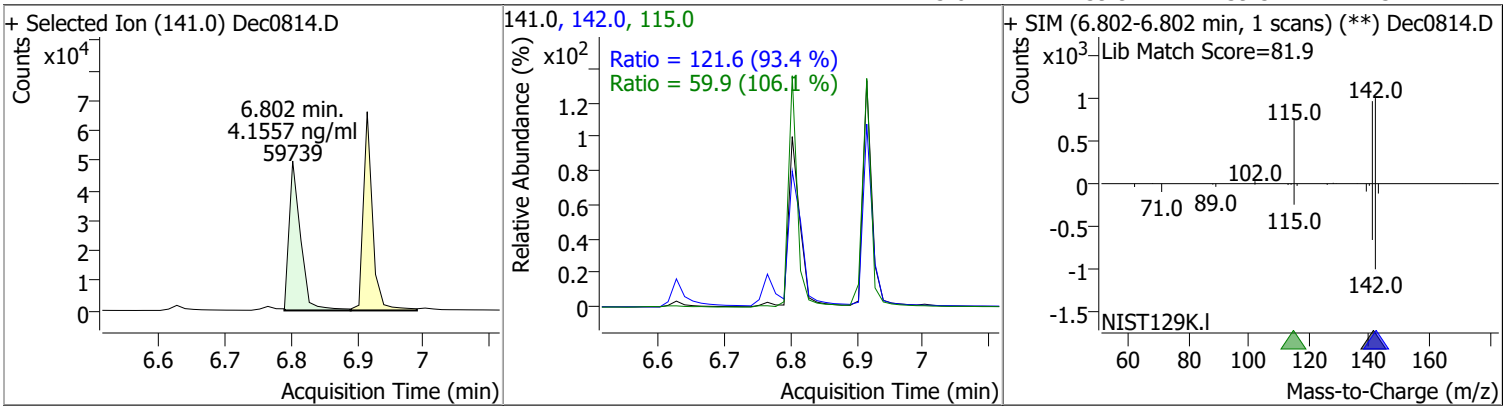
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	3.8570	5.14	0.00	23046	54.0	34.3	23.5	43.7
					128.0	33.1	21.0	39.1



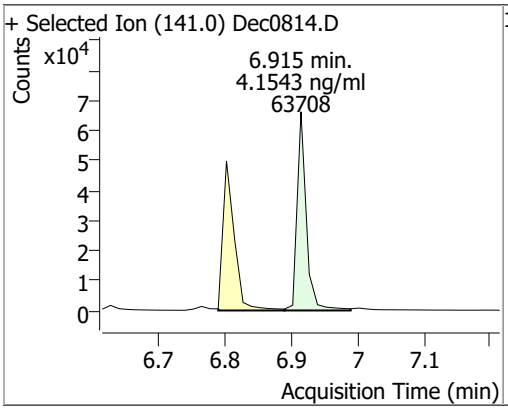
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	3.8089	5.98	0.00	92816	102.0	22.5	0.0	35.9
					129.0	11.1	7.9	14.6

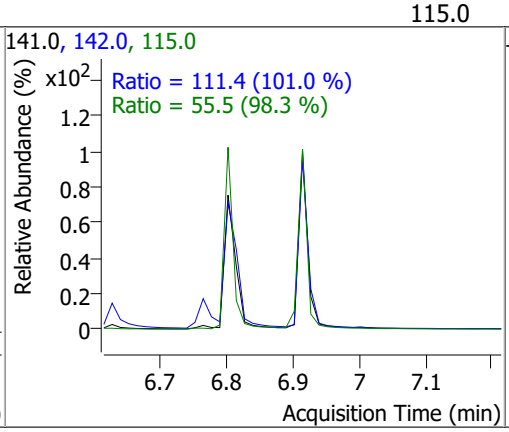


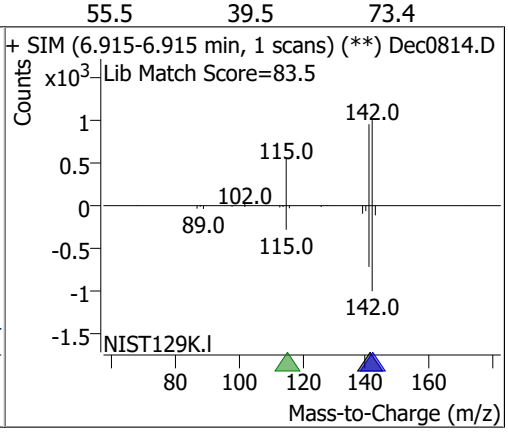
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	4.1557	6.80	-0.01	59739	142.0	121.6	91.1	169.2
					115.0	59.9	39.5	73.4



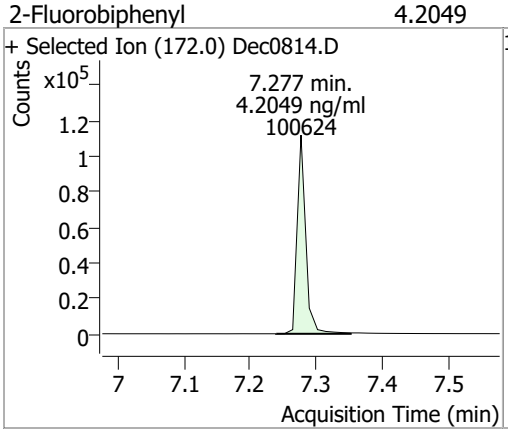
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	4.1543	6.91	0.00	63708	142.0	111.4	77.2	143.4
					115.0	55.5	39.5	73.4

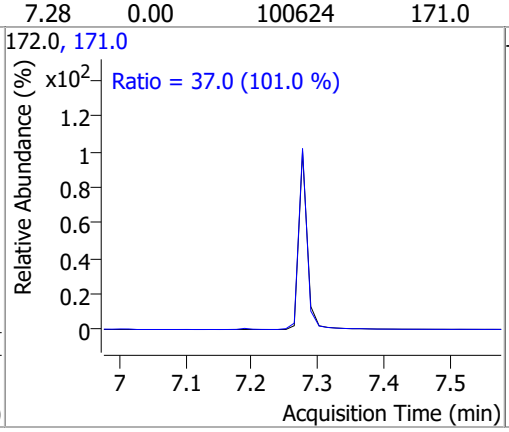


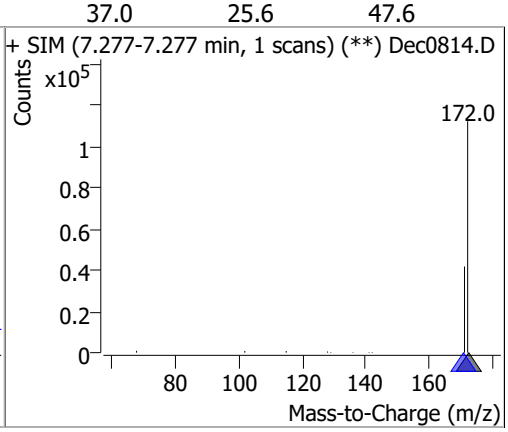




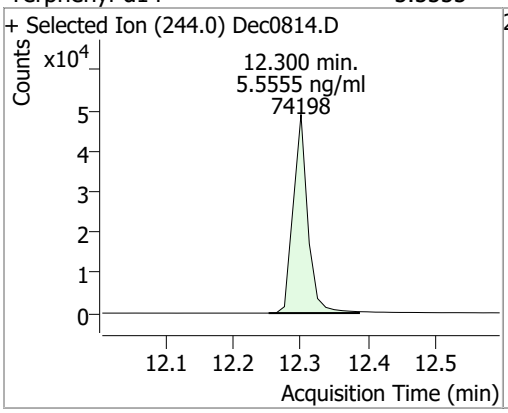
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	4.2049	7.28	0.00	100624	171.0	37.0	25.6	47.6

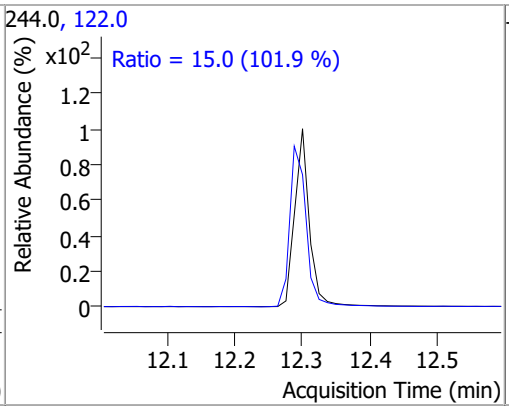


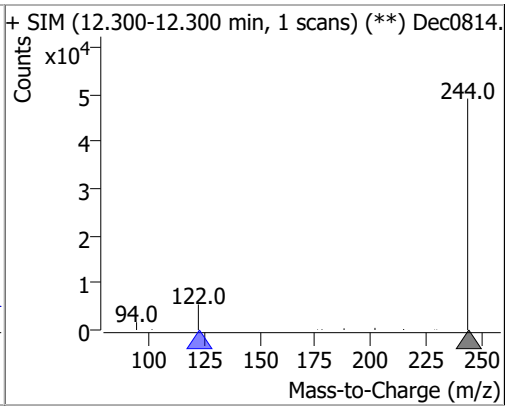




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	5.5555	12.30	0.00	74198	122.0	15.0	10.3	19.1

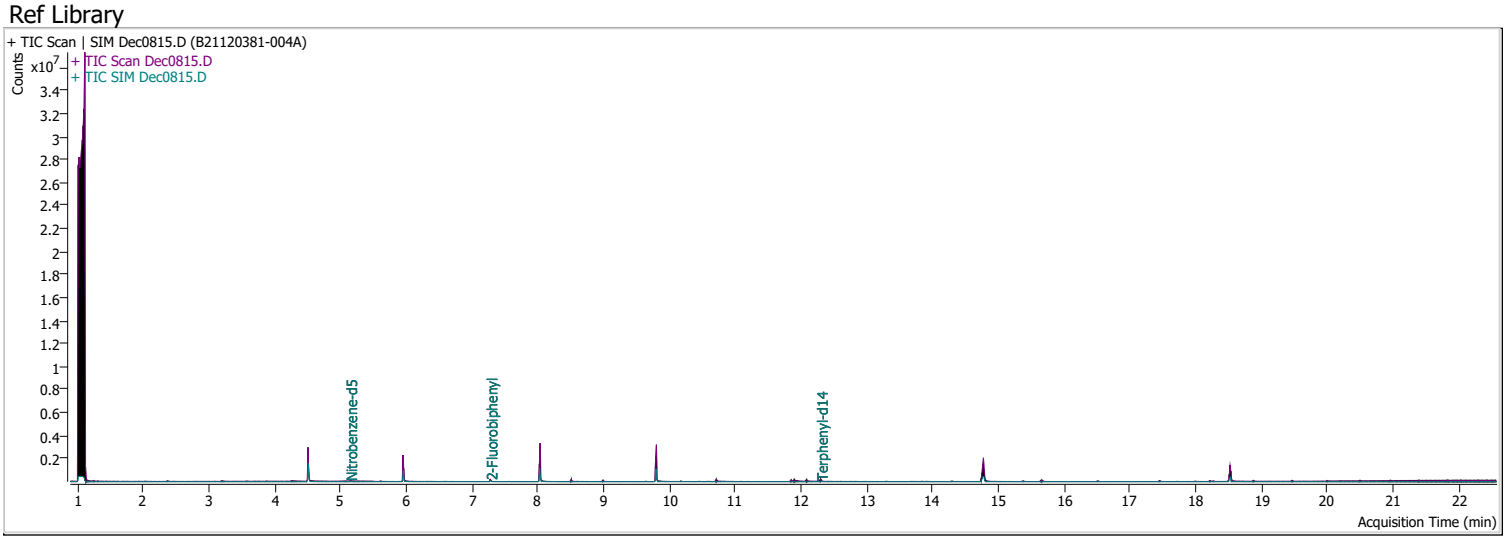






Quantitation Results Report (QT Reviewed)

Data File	Dec0815.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 4:11:30 PM
Sample Name	B21120381-004A	Instrument	GCMS
Vial	15	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			

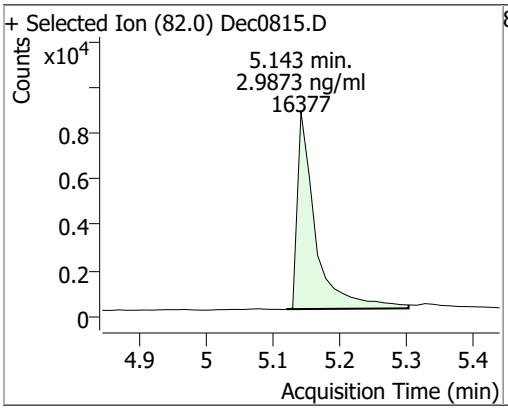


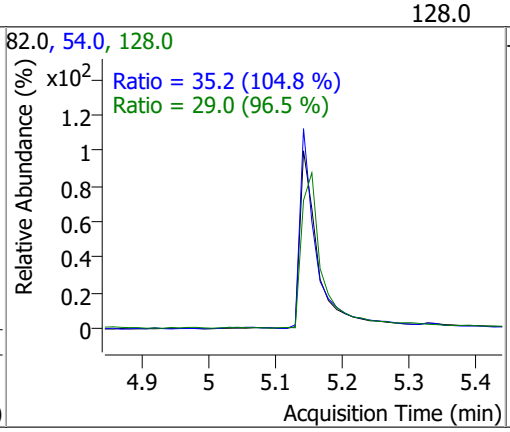
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
System Monitoring Compounds						
S Nitrobenzene-d5	5.143	82.0	16377	2.9873	ng/ml	0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 59.75%		
S 2-Fluorobiphenyl	7.277	172.0	72547	3.1430	ng/ml	0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 62.86%		
S Terphenyl-d14	12.300	244.0	50762	3.8255	ng/ml	0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 76.51%		
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.		

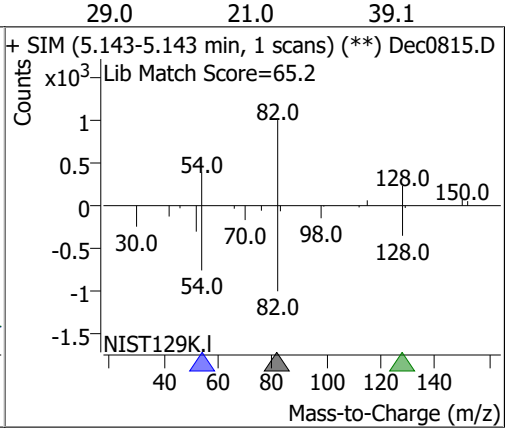
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (QT Reviewed)

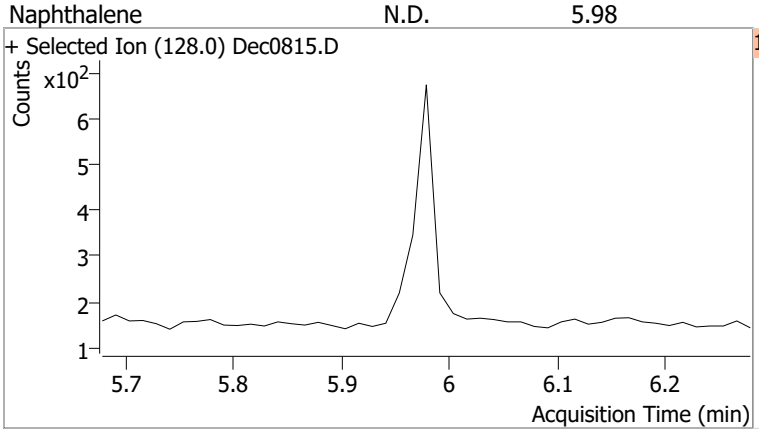
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	2.9873	5.14	0.00	16377	54.0	35.2	23.5	43.7
					128.0	29.0	21.0	39.1

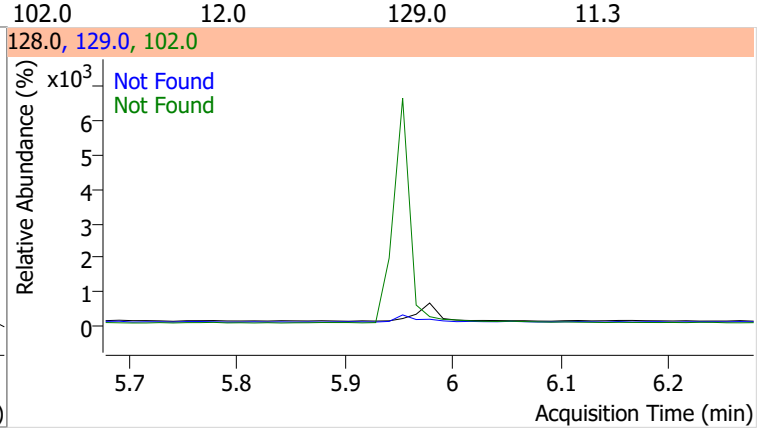




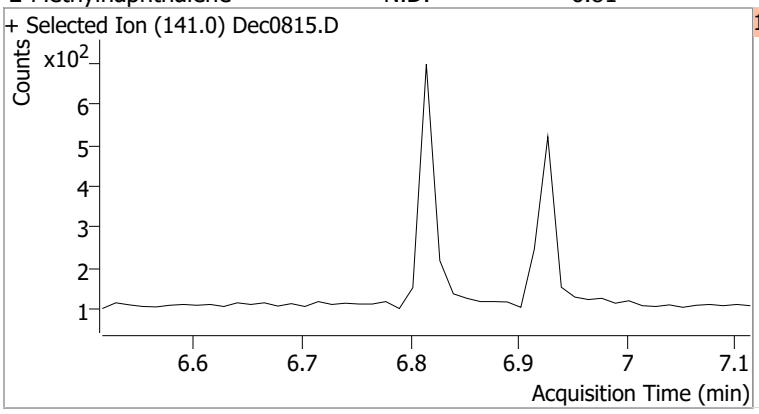


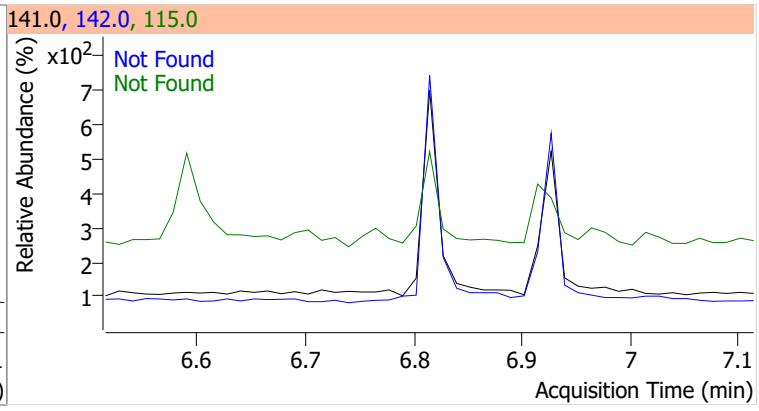
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.98	102.0	12.0	129.0	11.3



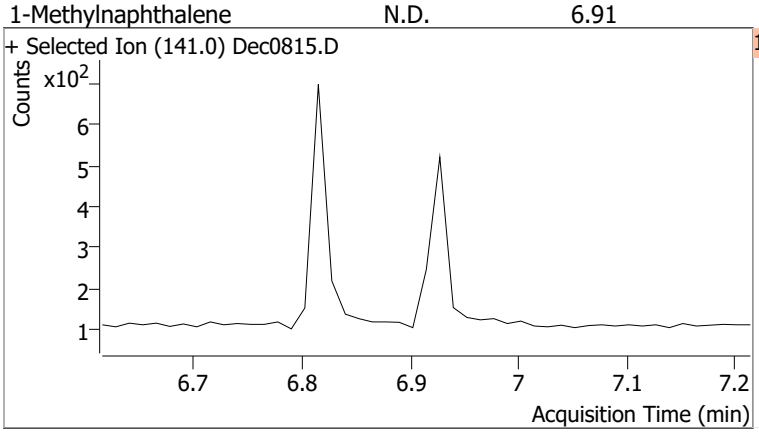


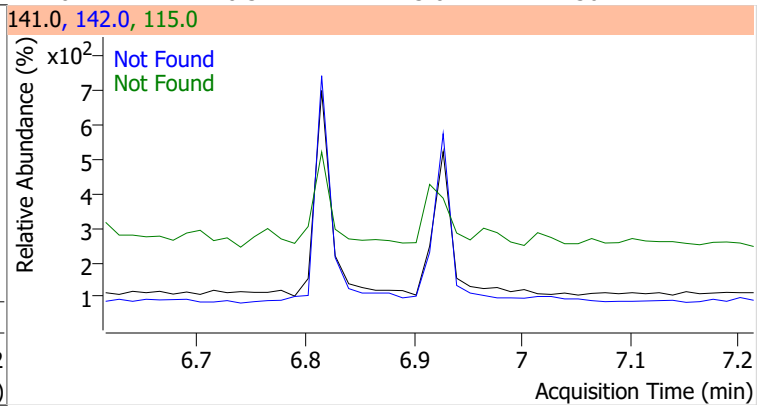
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.81	142.0	130.2	115.0	56.4



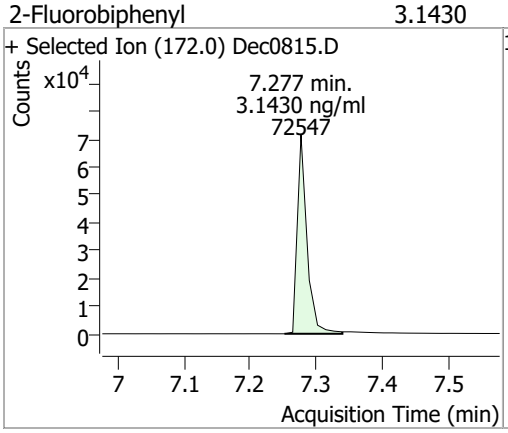


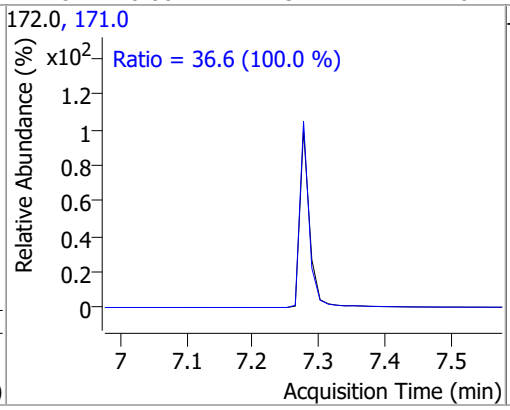
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.91	142.0	110.3	115.0	56.4

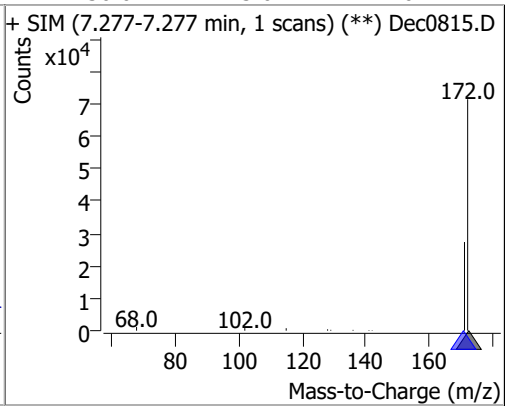




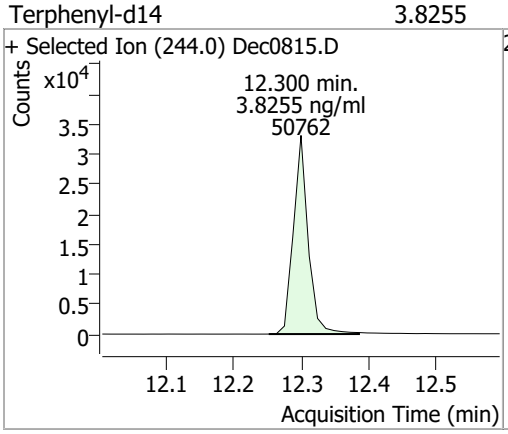
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.1430	7.28	0.00	72547	171.0	36.6	25.6	47.6

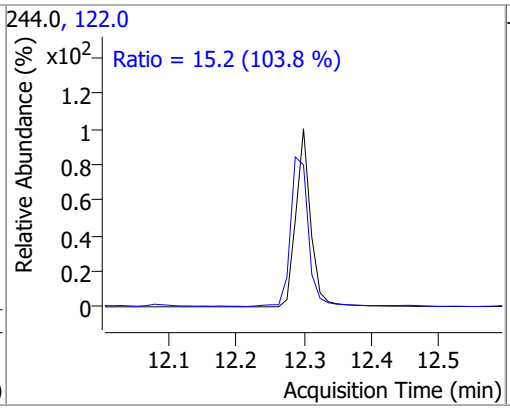


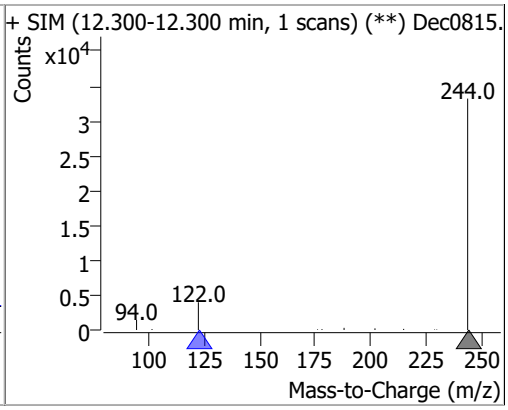




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	3.8255	12.30	0.00	50762	122.0	15.2	10.3	19.1

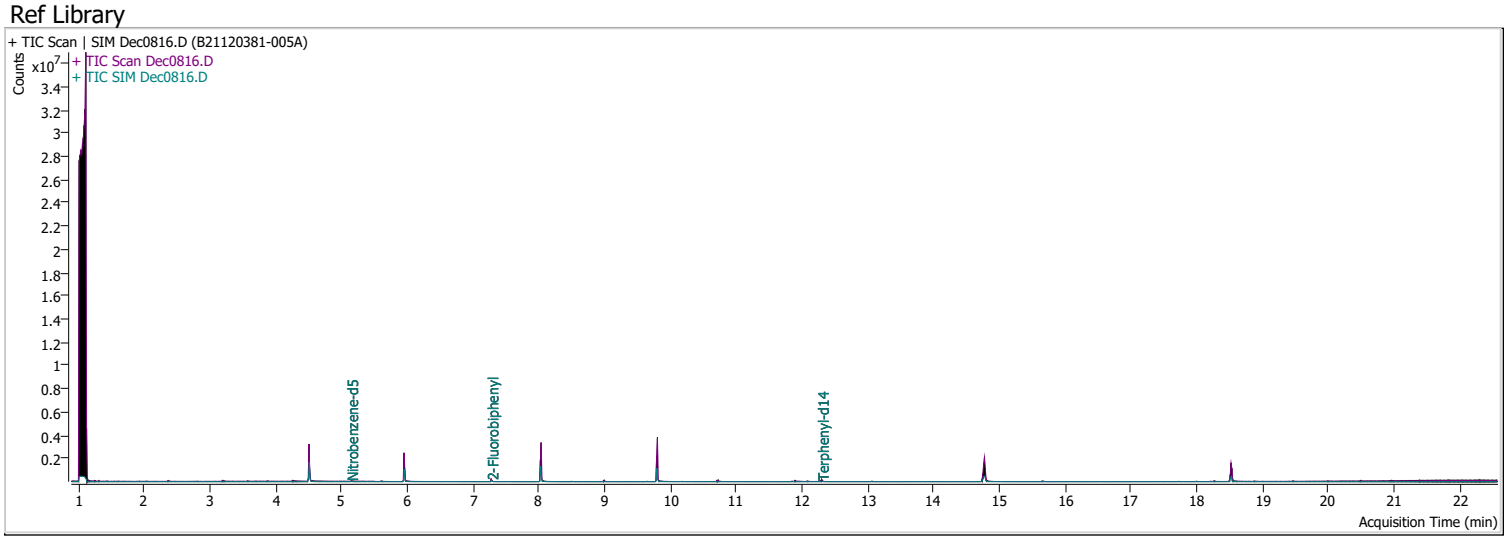






Quantitation Results Report (QT Reviewed)

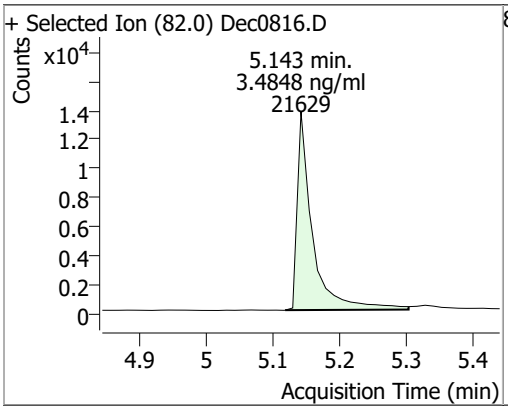
Data File	Dec0816.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 4:44:01 PM
Sample Name	B21120381-005A	Instrument	GCMS
Vial	16	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			

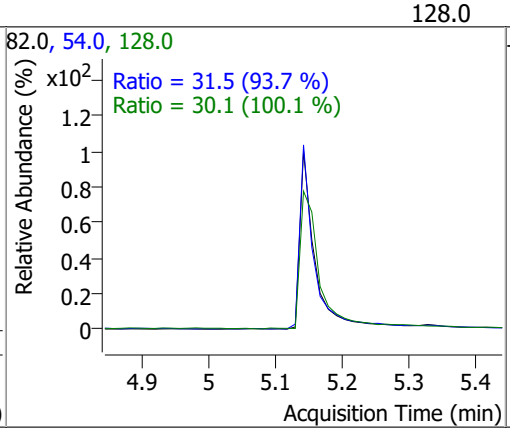


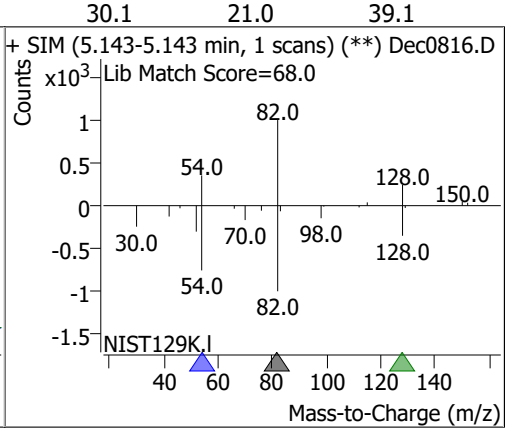
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
System Monitoring Compounds						
S Nitrobenzene-d5	5.143	82.0	21629	3.4848	ng/ml	0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 69.70%		
S 2-Fluorobiphenyl	7.277	172.0	87696	3.4043	ng/ml	0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 68.09%		
S Terphenyl-d14	12.300	244.0	43504	3.1177	ng/ml	0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 62.35%		
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.		

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

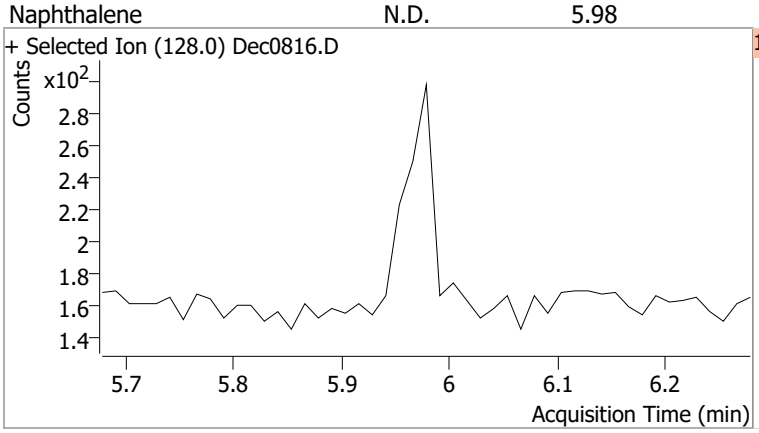
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	3.4848	5.14	0.00	21629	54.0	31.5	23.5	43.7
					128.0	30.1	21.0	39.1

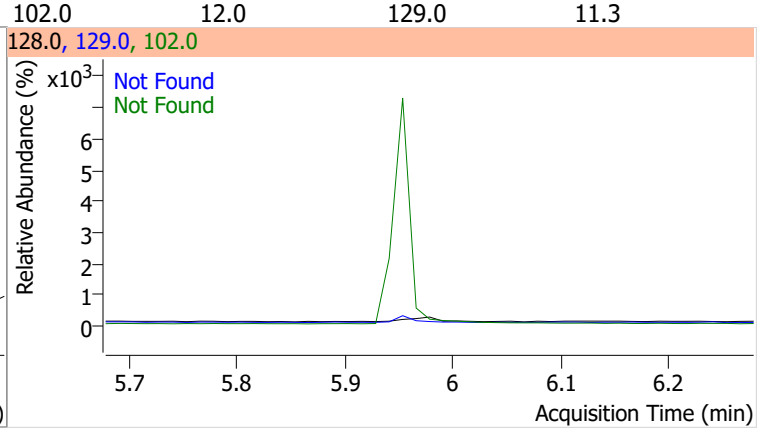




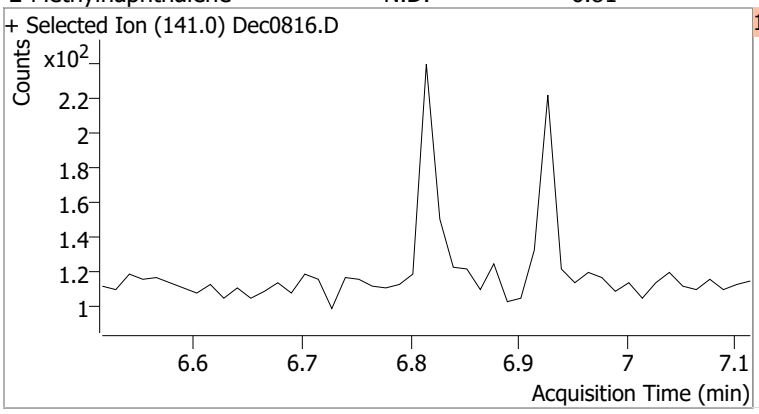


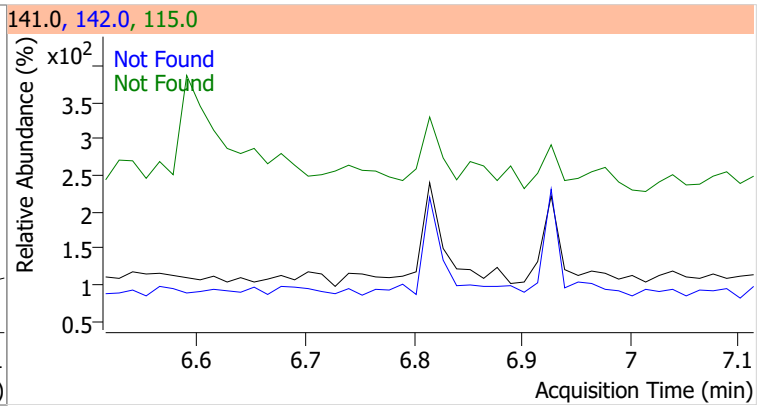
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.98	102.0	12.0	129.0	11.3



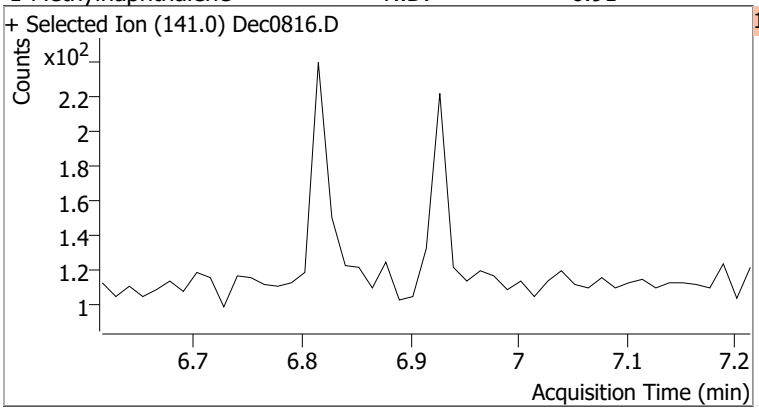


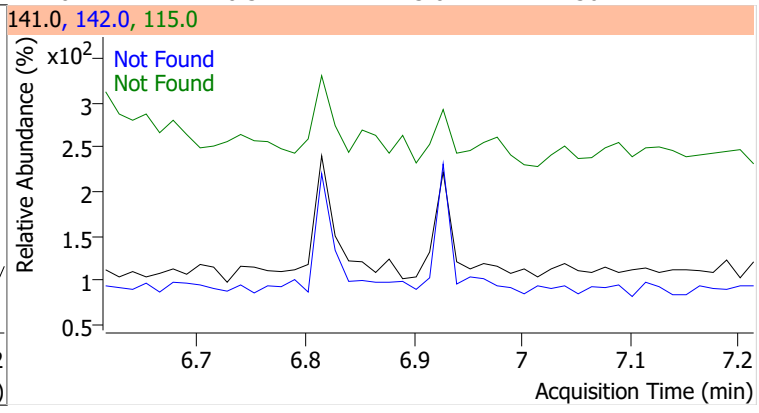
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.81	142.0	130.2	115.0	56.4



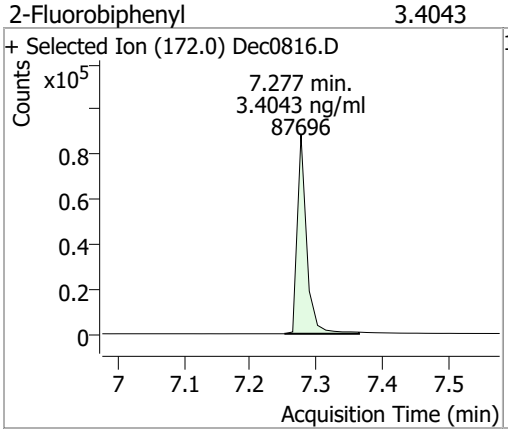


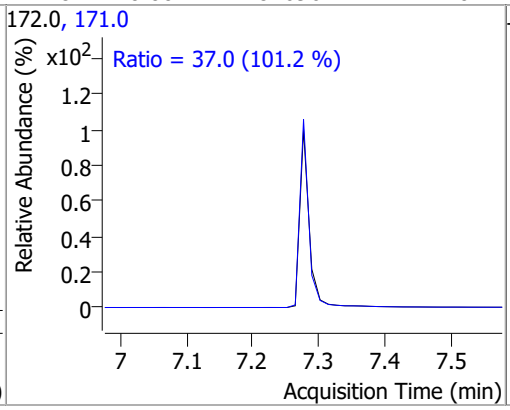
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.91	142.0	110.3	115.0	56.4

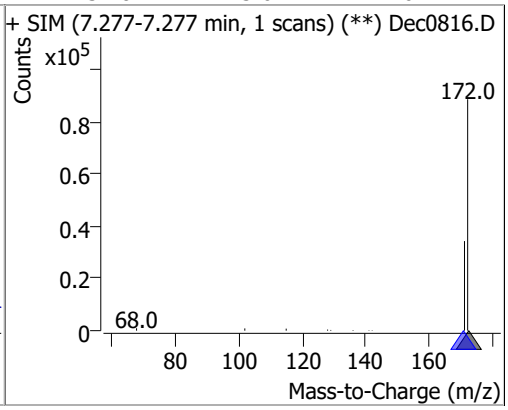




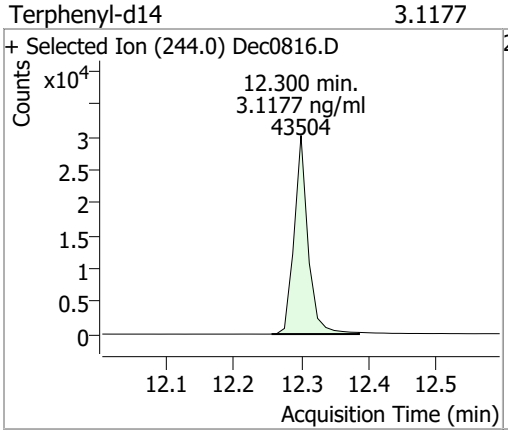
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.4043	7.28	0.00	87696	171.0	37.0	25.6	47.6

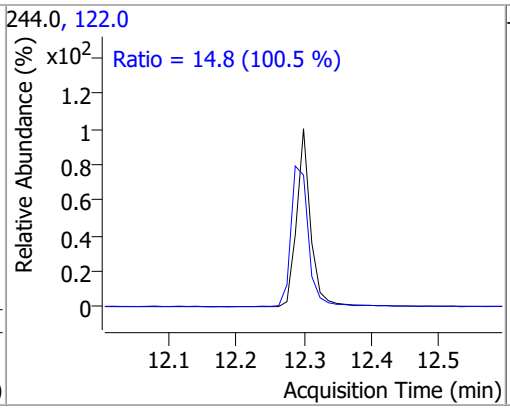


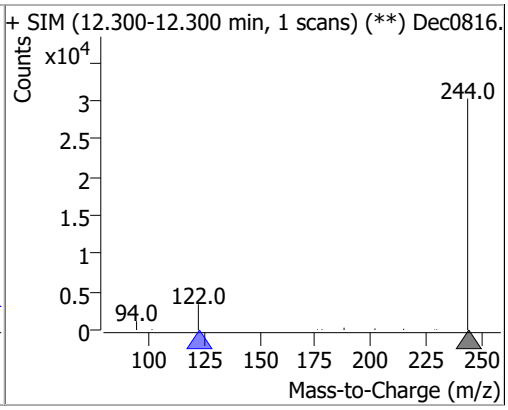




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	3.1177	12.30	0.00	43504	122.0	14.8	10.3	19.1

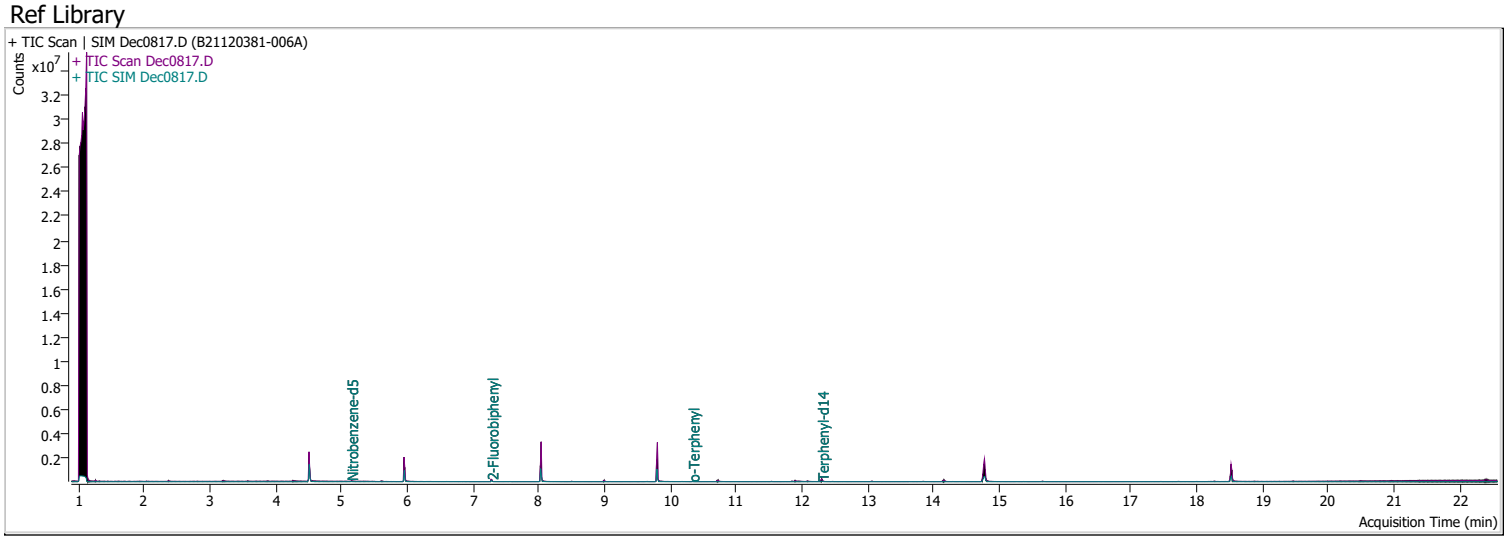






Quantitation Results Report (QT Reviewed)

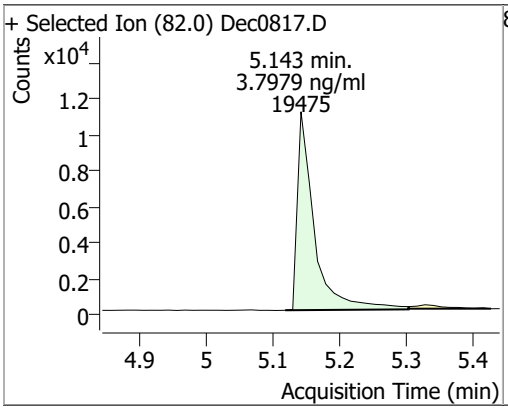
Data File	Dec0817.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 5:16:37 PM
Sample Name	B21120381-006A	Instrument	GCMS
Vial	17	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			

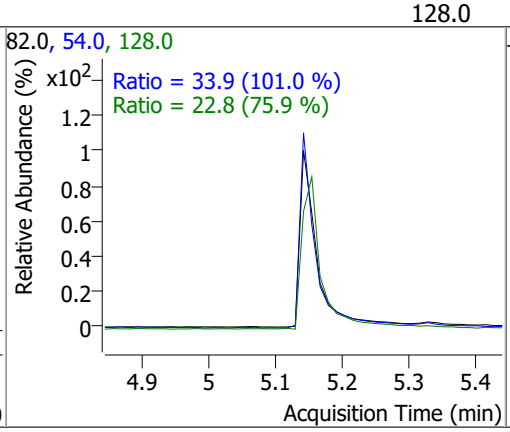


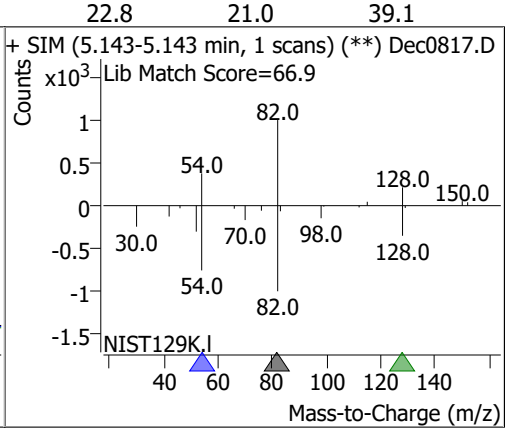
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
System Monitoring Compounds						
S Nitrobenzene-d5	5.143	82.0	19475	3.7979	ng/ml	0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 75.96%		
S 2-Fluorobiphenyl	7.277	172.0	78661	3.5755	ng/ml	0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 71.51%		
S Terphenyl-d14	12.300	244.0	55898	4.4507	ng/ml	0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 89.01%		
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.		

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

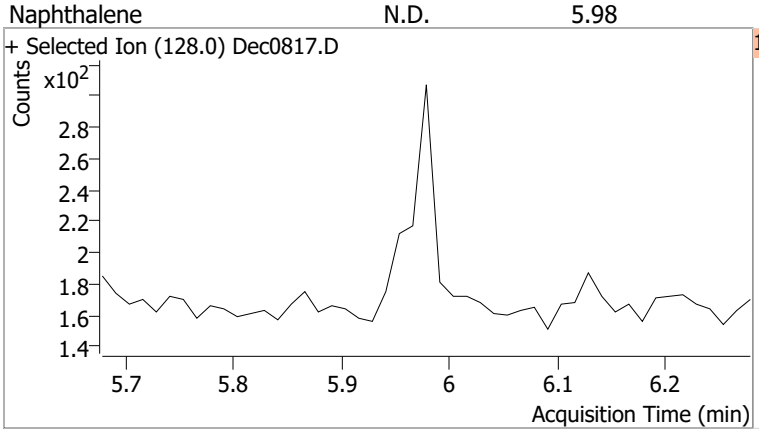
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	3.7979	5.14	0.00	19475	54.0	33.9	23.5	43.7
					128.0	22.8	21.0	39.1

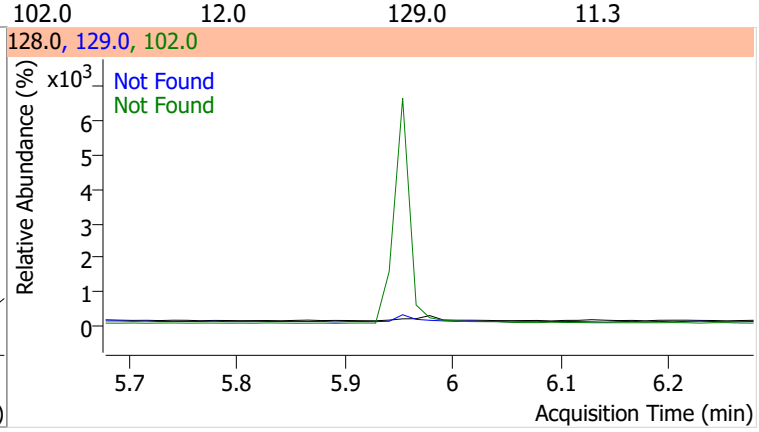




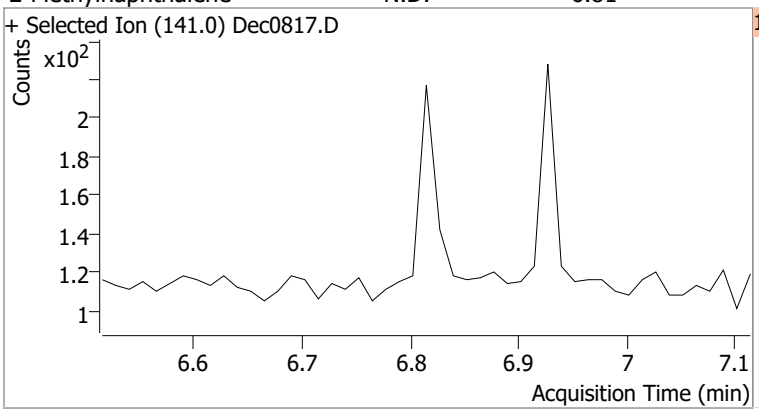


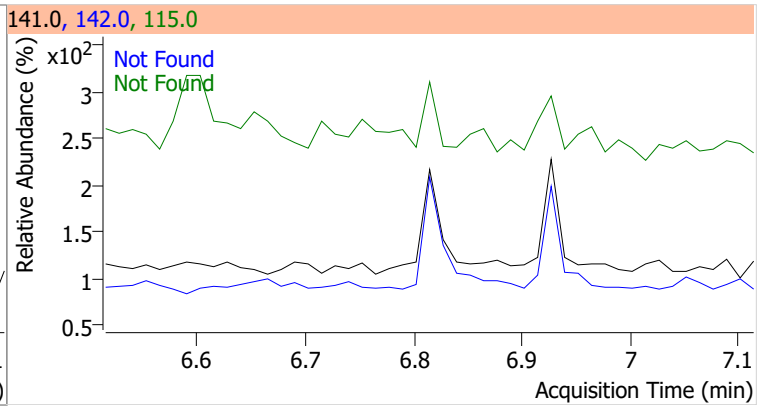
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.98	102.0	12.0	129.0	11.3



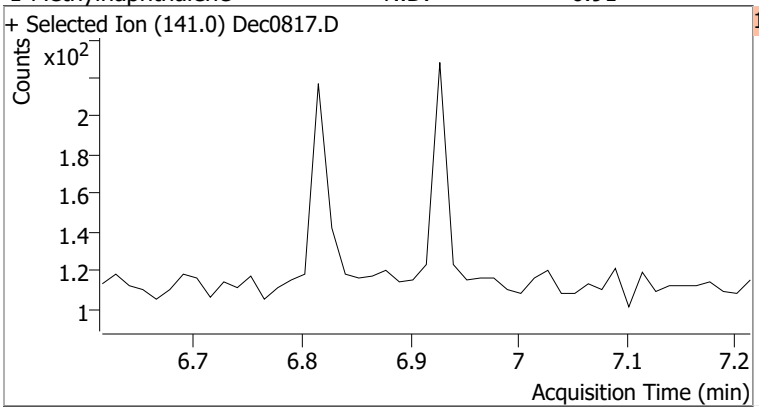


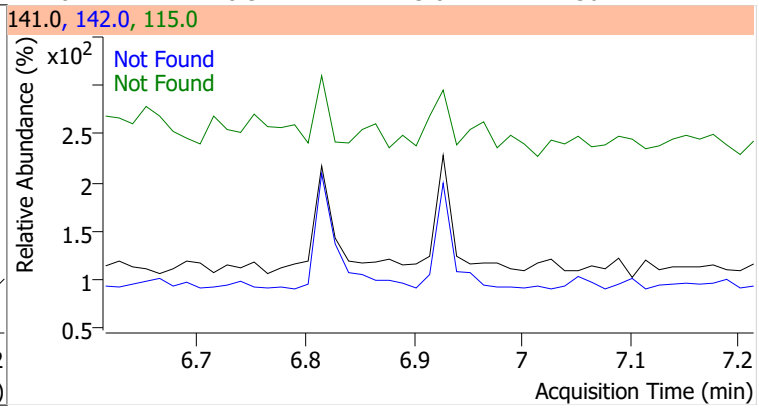
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.81	142.0	130.2	115.0	56.4



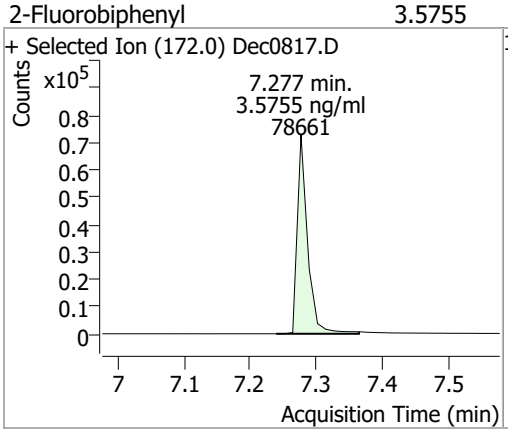


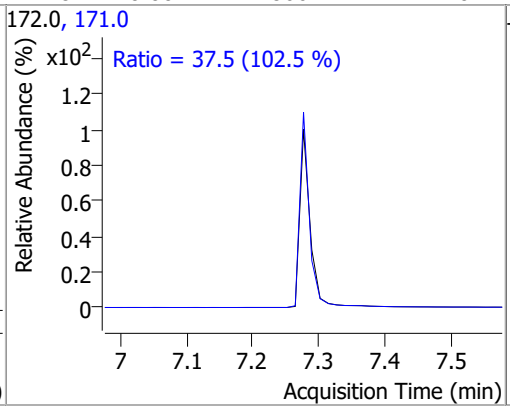
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.91	142.0	110.3	115.0	56.4

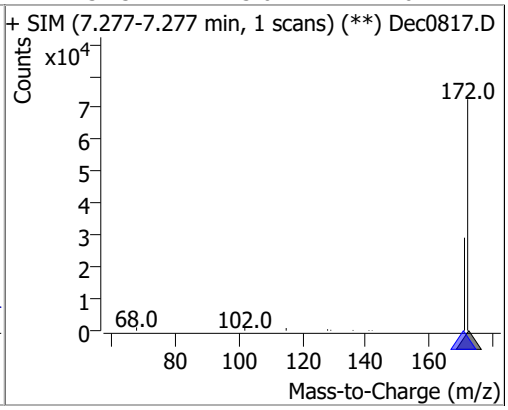




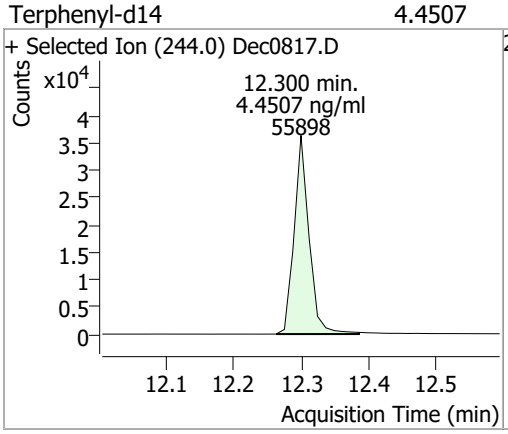
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.5755	7.28	0.00	78661	171.0	37.5	25.6	47.6

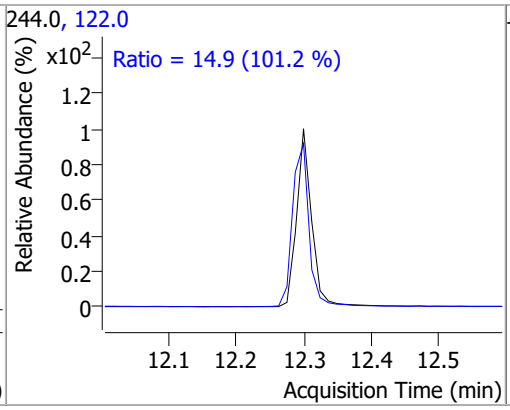


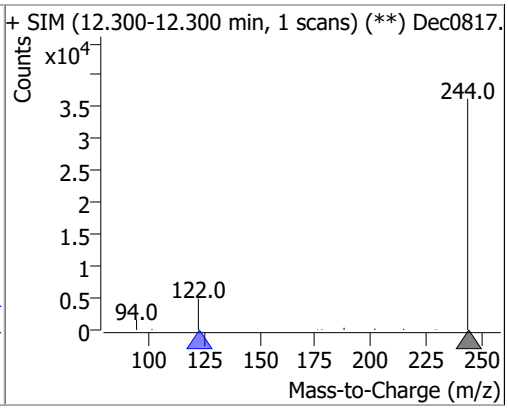




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	4.4507	12.30	0.00	55898	122.0	14.9	10.3	19.1

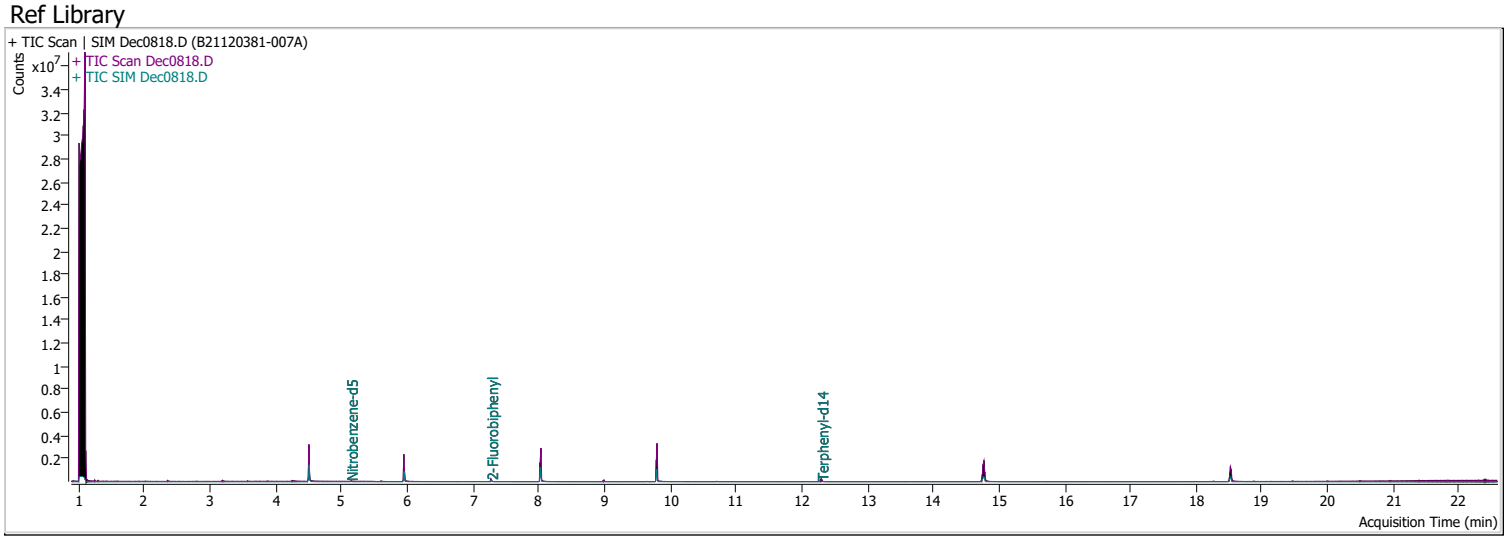






Quantitation Results Report (QT Reviewed)

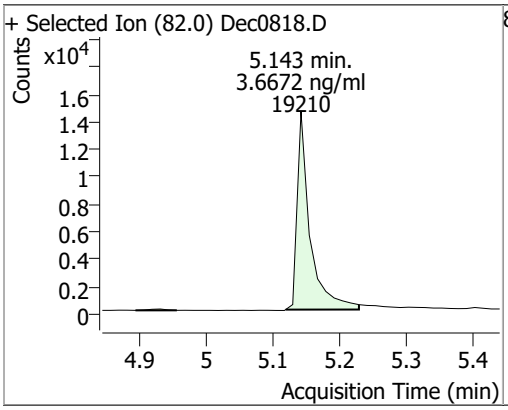
Data File	Dec0818.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 5:49:12 PM
Sample Name	B21120381-007A	Instrument	GCMS
Vial	18	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			

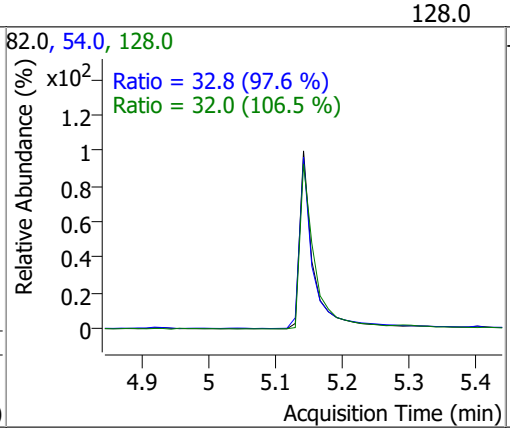


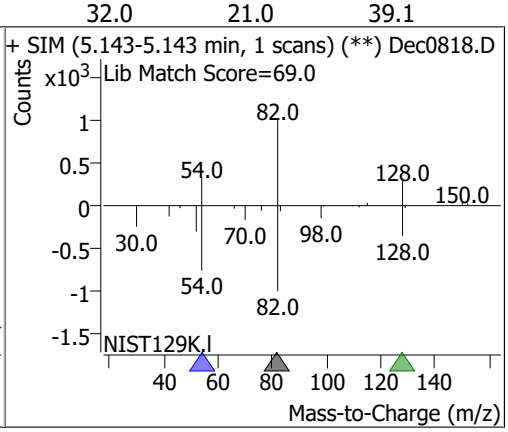
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
System Monitoring Compounds						
S Nitrobenzene-d5	5.143	82.0	19210	3.6672	ng/ml	0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 73.34%		
S 2-Fluorobiphenyl	7.277	172.0	88079	3.8838	ng/ml	0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 77.68%		
S Terphenyl-d14	12.300	244.0	64897	5.2138	ng/ml	0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 104.28%		
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.		

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

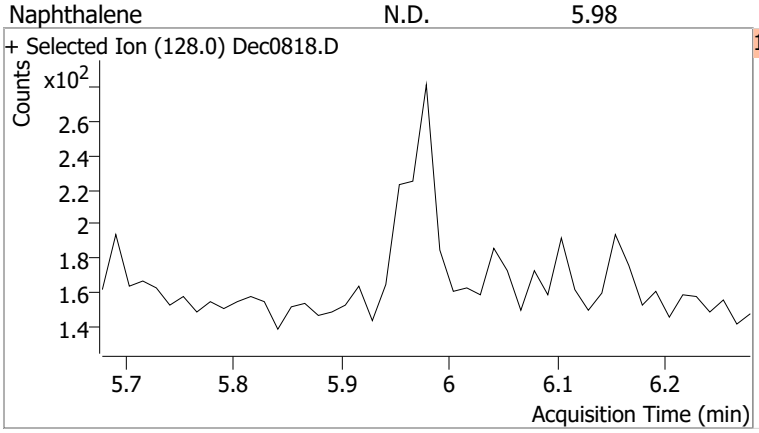
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	3.6672	5.14	0.00	19210	54.0	32.8	23.5	43.7
					128.0	32.0	21.0	39.1

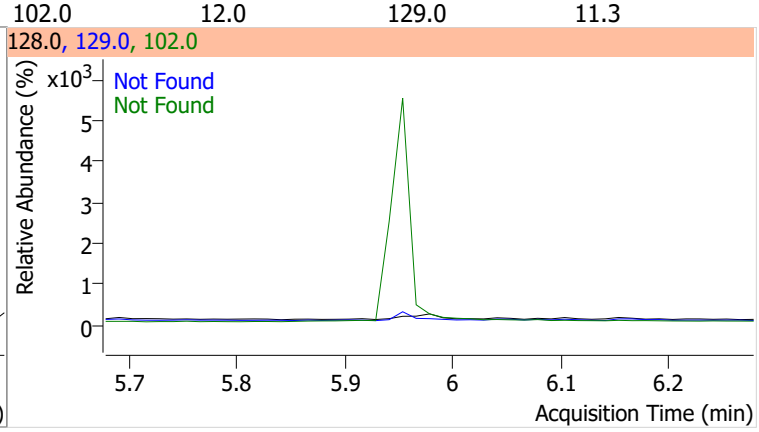




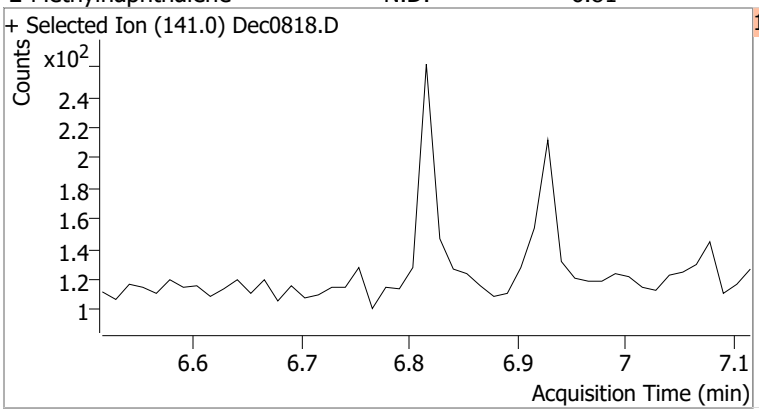


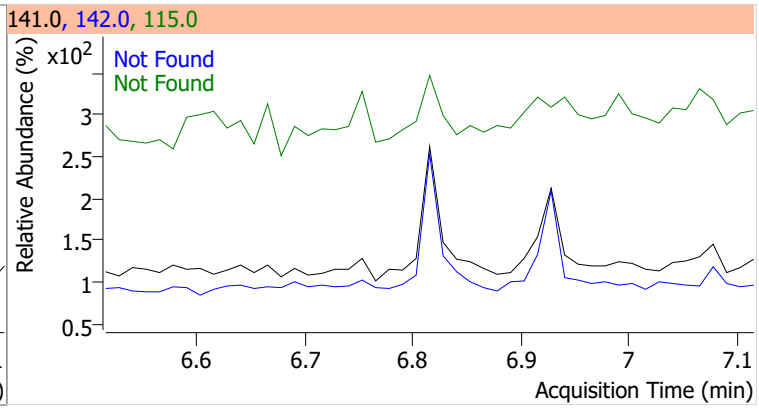
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.98	102.0	12.0	129.0	11.3



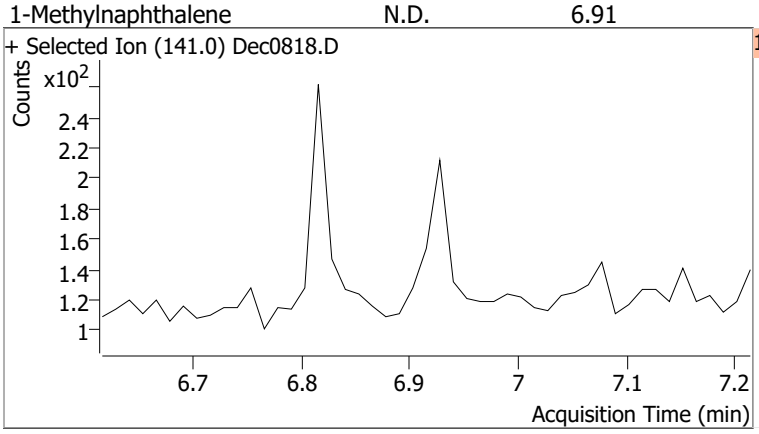


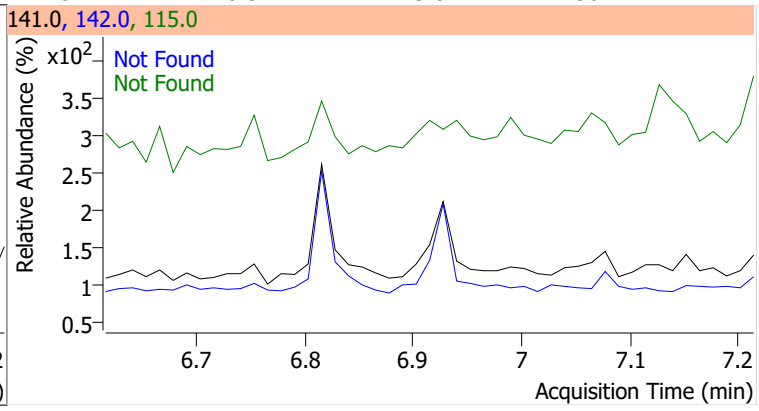
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.81	142.0	130.2	115.0	56.4



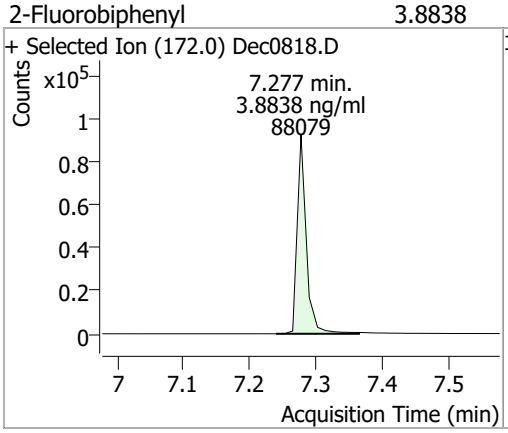


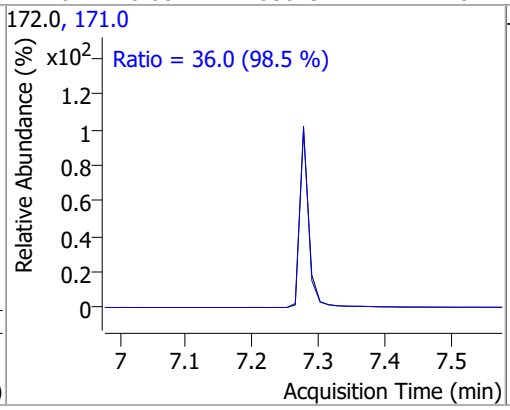
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.91	142.0	110.3	115.0	56.4

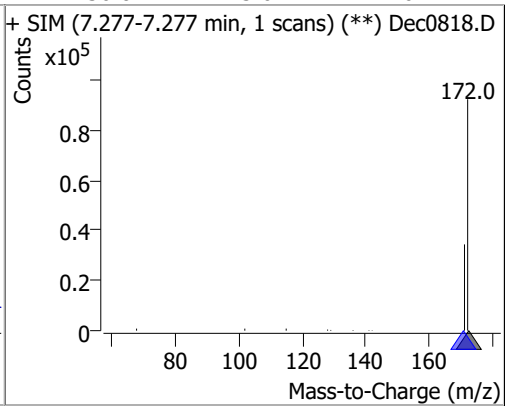




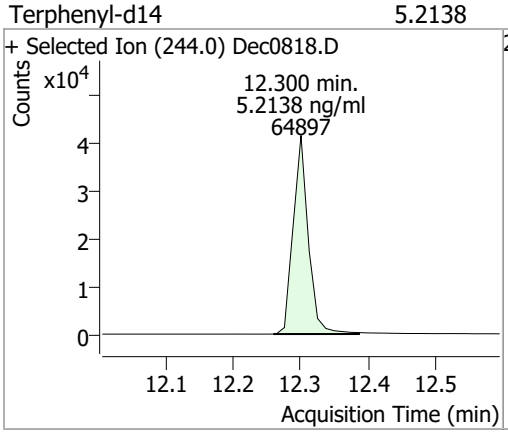
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.8838	7.28	0.00	88079	171.0	36.0	25.6	47.6

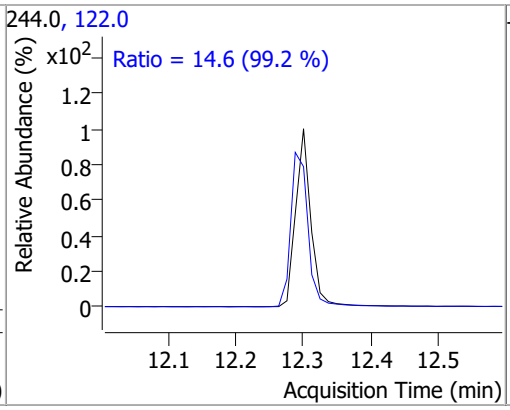


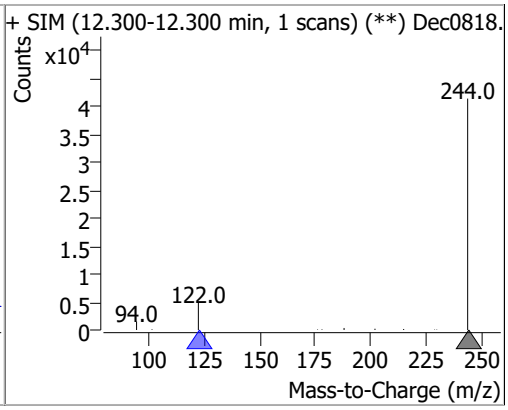




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	5.2138	12.30	0.00	64897	122.0	14.6	10.3	19.1

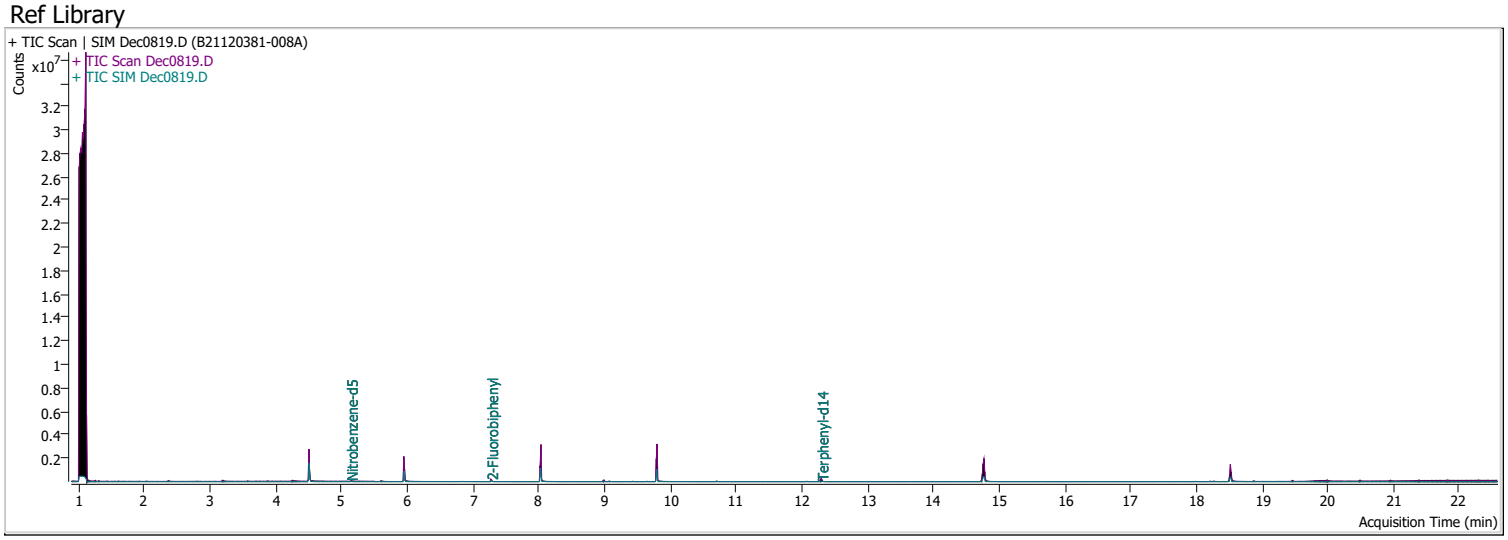






Quantitation Results Report (QT Reviewed)

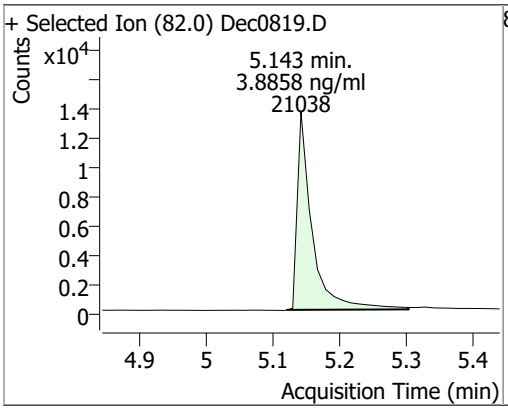
Data File	Dec0819.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 6:21:56 PM
Sample Name	B21120381-008A	Instrument	GCMS
Vial	19	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			

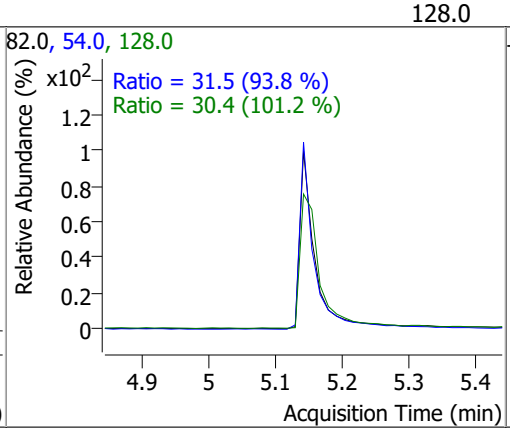


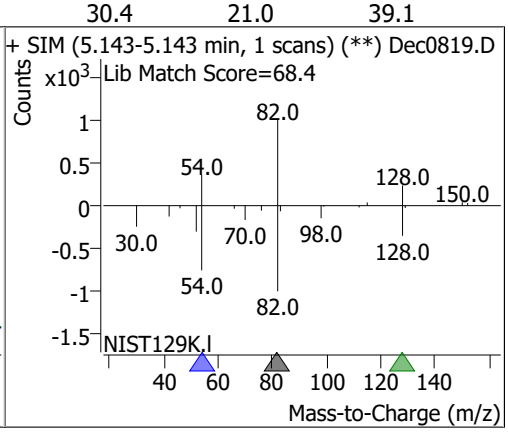
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
System Monitoring Compounds						
S Nitrobenzene-d5	5.143	82.0	21038	3.8858	ng/ml	0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 77.72%		
S 2-Fluorobiphenyl	7.277	172.0	80513	3.5279	ng/ml	0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 70.56%		
S Terphenyl-d14	12.300	244.0	67468	5.2941	ng/ml	0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 105.88%		
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.		

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

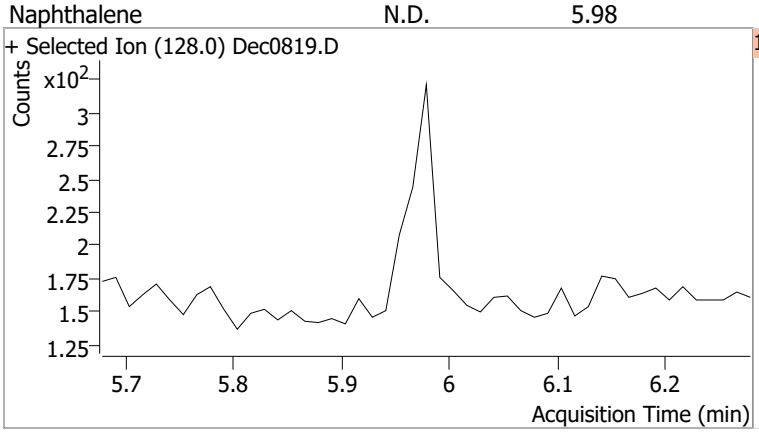
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	3.8858	5.14	0.00	21038	54.0	31.5	23.5	43.7
					128.0	30.4	21.0	39.1

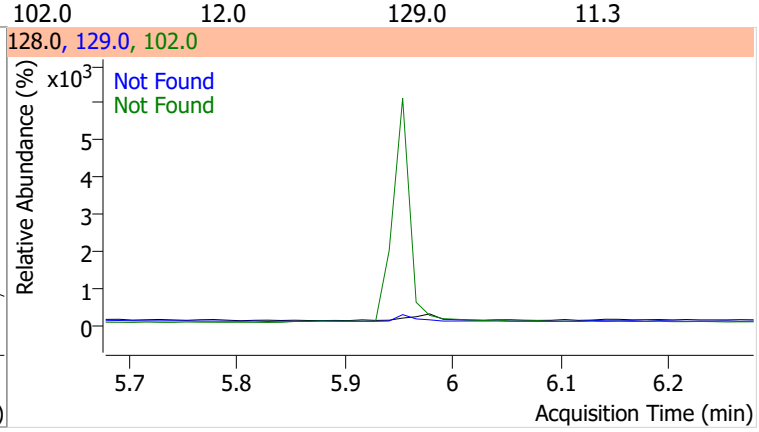




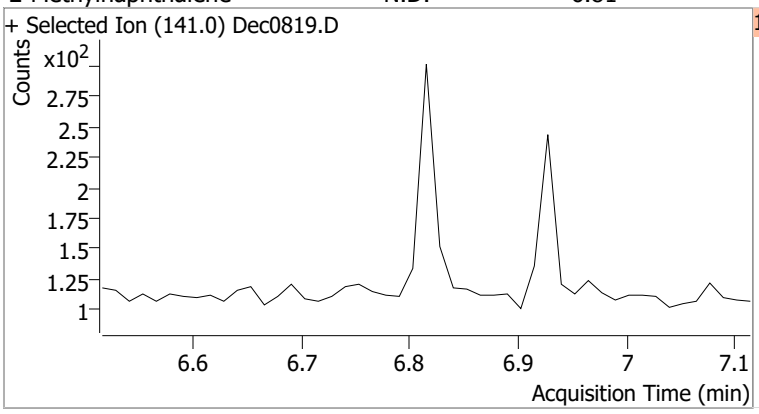


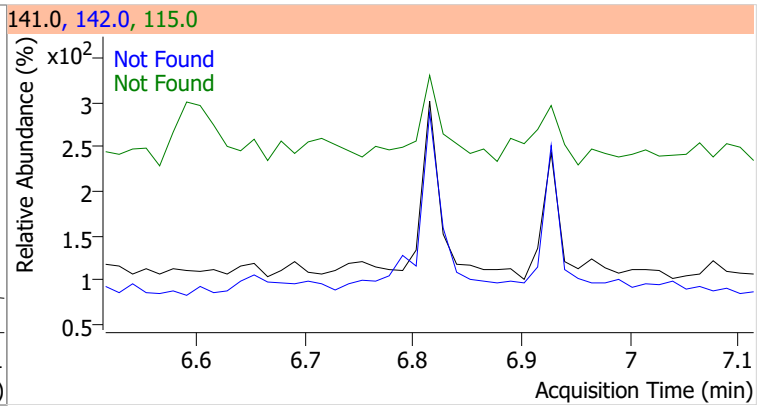
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.98	102.0	12.0	129.0	11.3



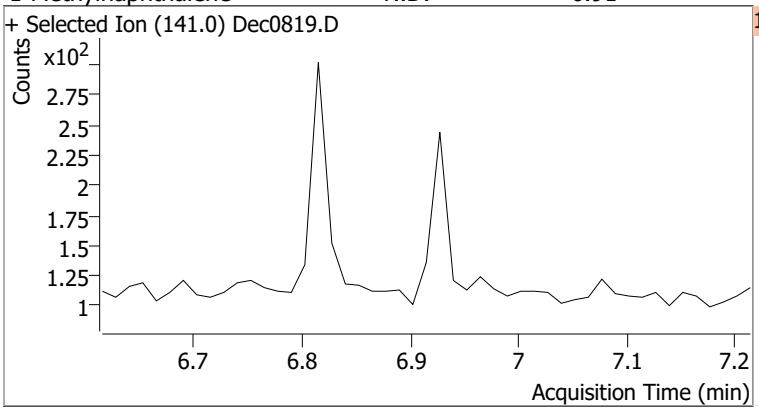


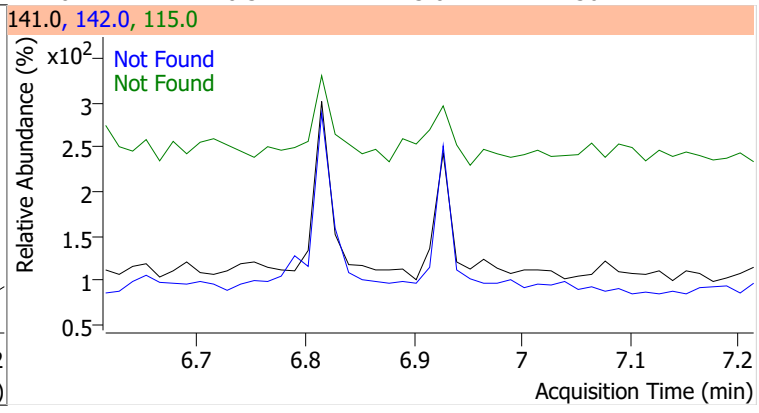
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.81	142.0	130.2	115.0	56.4



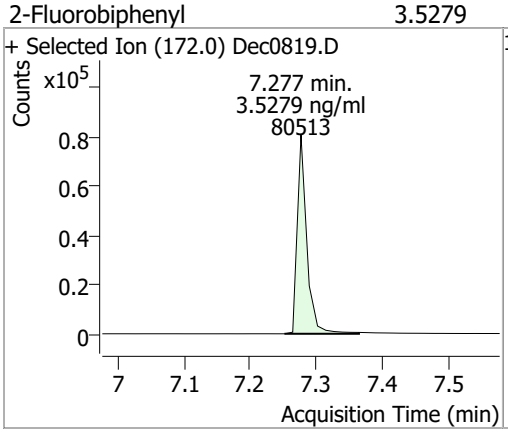


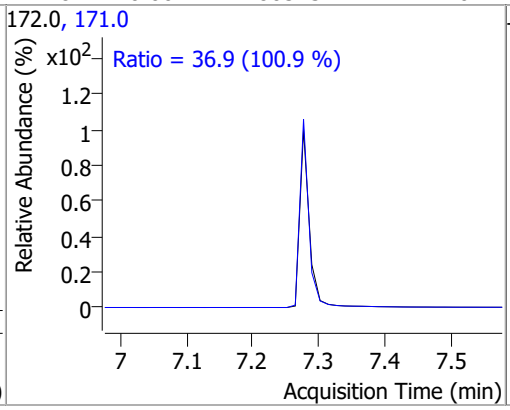
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.91	142.0	110.3	115.0	56.4

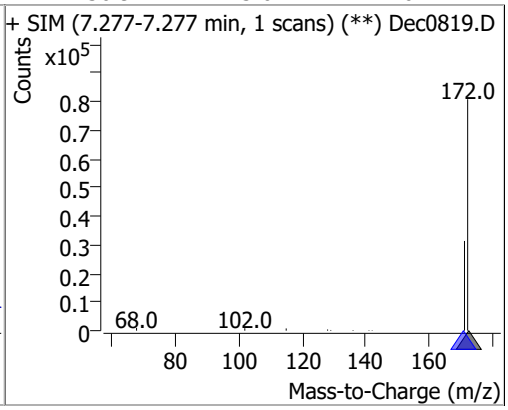




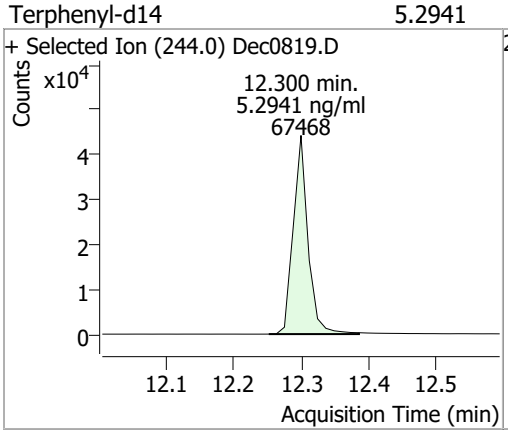
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.5279	7.28	0.00	80513	171.0	36.9	25.6	47.6

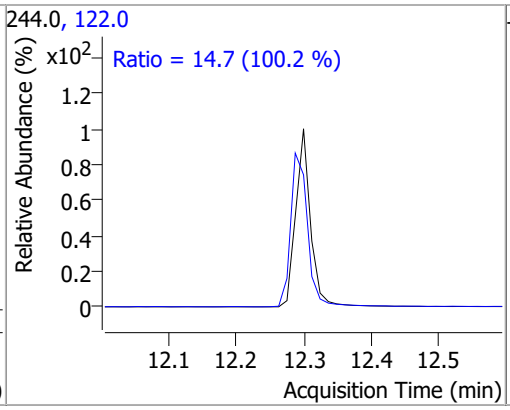


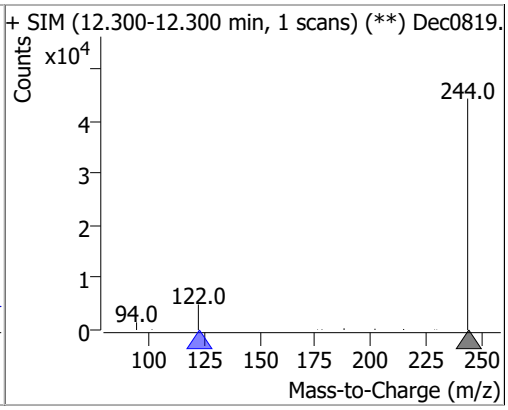




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	5.2941	12.30	0.00	67468	122.0	14.7	10.3	19.1



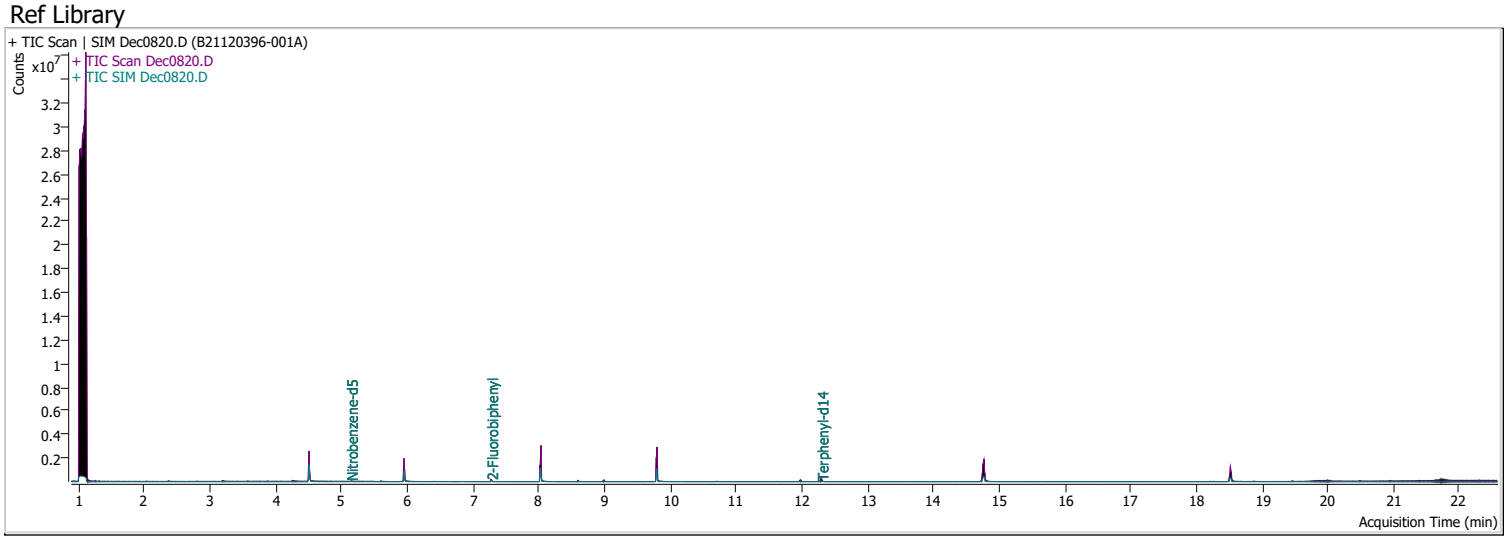




Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

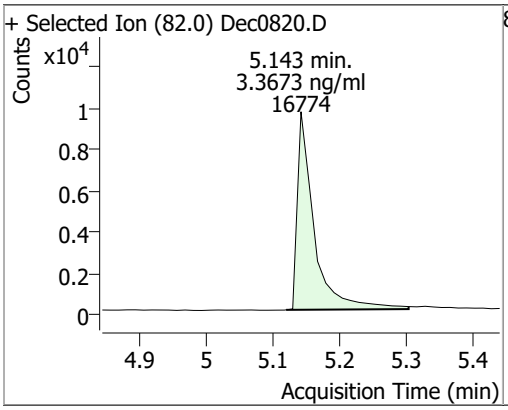
Data File	Dec0820.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 6:54:31 PM
Sample Name	B21120396-001A	Instrument	GCMS
Vial	20	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			

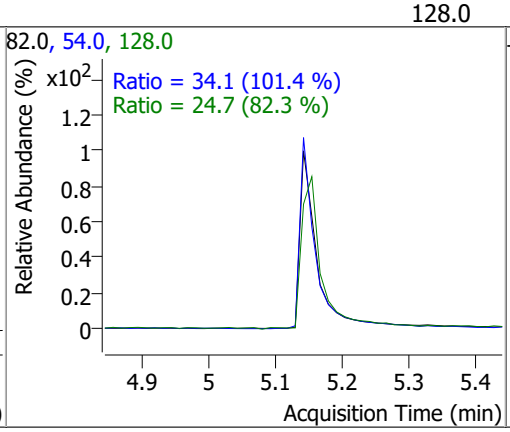


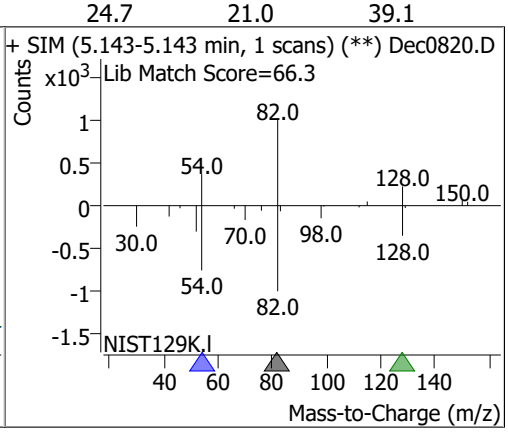
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	16774	3.3673	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 67.35%			
S 2-Fluorobiphenyl	7.277	172.0	73823	3.3057	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 66.11%			
S Terphenyl-d14	12.300	244.0	67648	5.4008	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 108.02%		*	
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.			

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

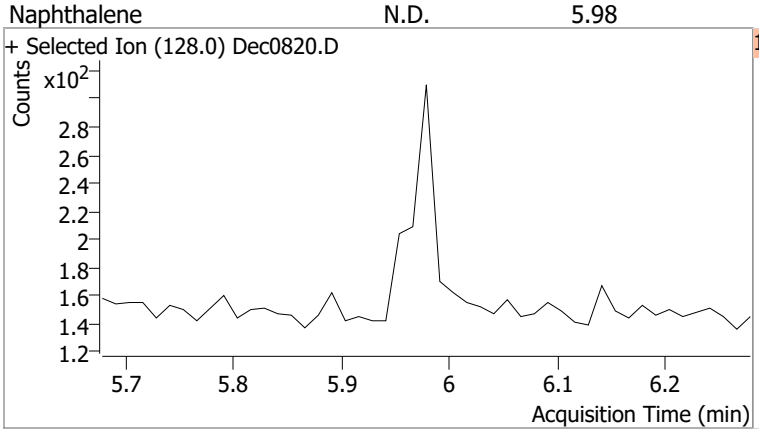
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	3.3673	5.14	0.00	16774	54.0	34.1	23.5	43.7
					128.0	24.7	21.0	39.1

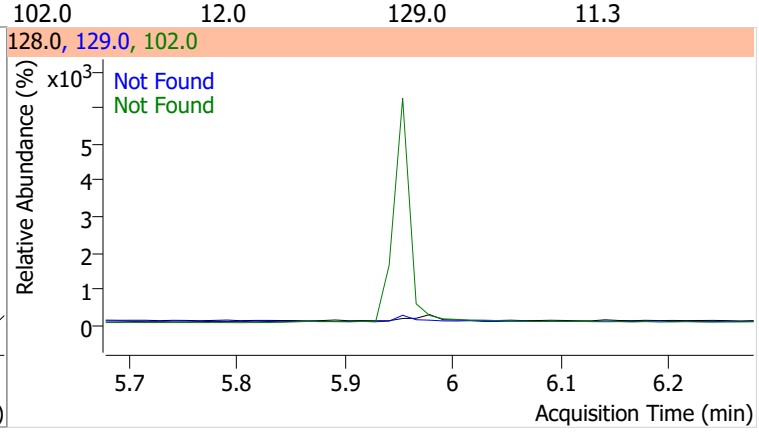




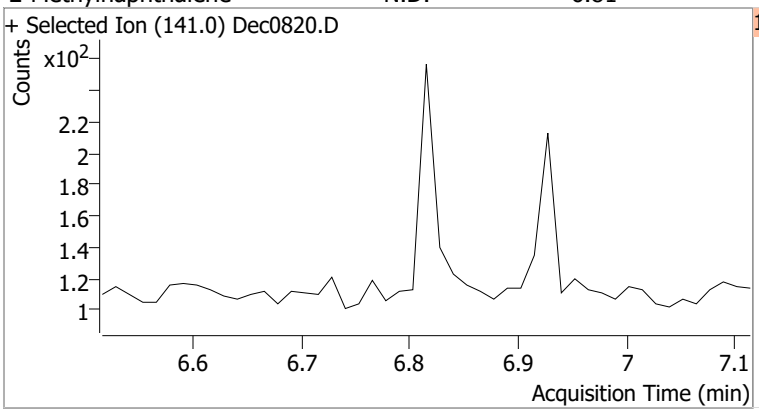


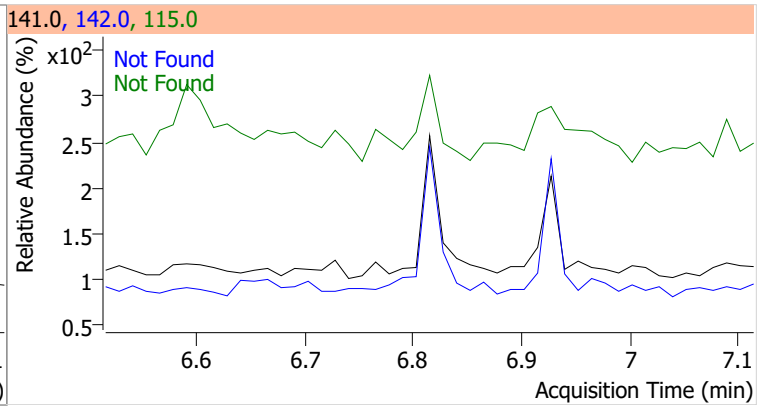
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.98	102.0	12.0	129.0	11.3



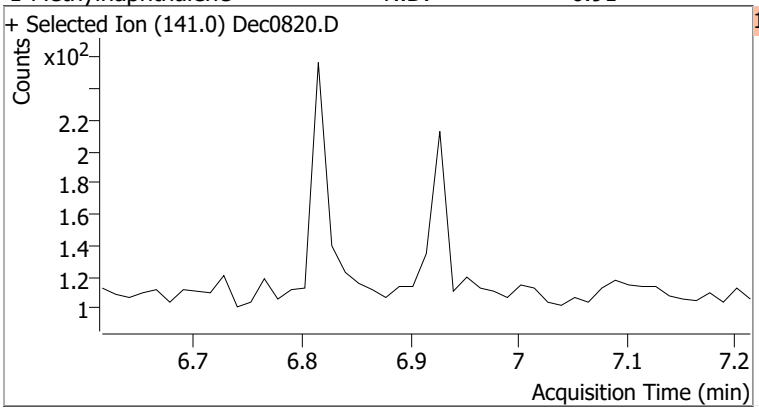


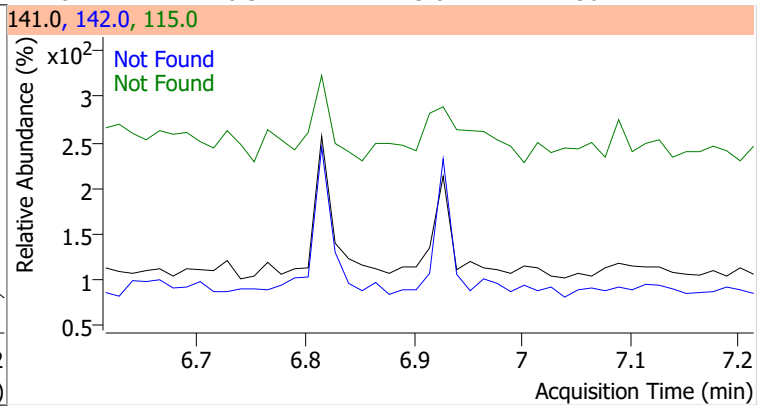
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.81	142.0	130.2	115.0	56.4



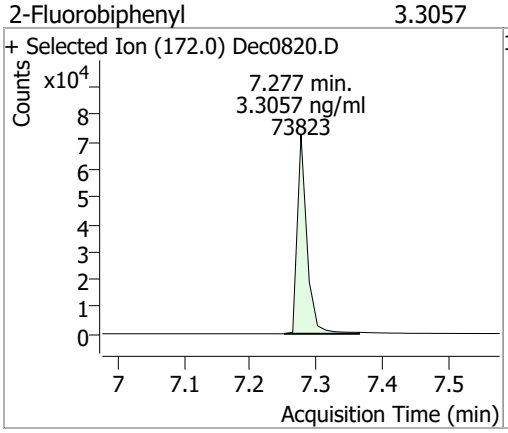


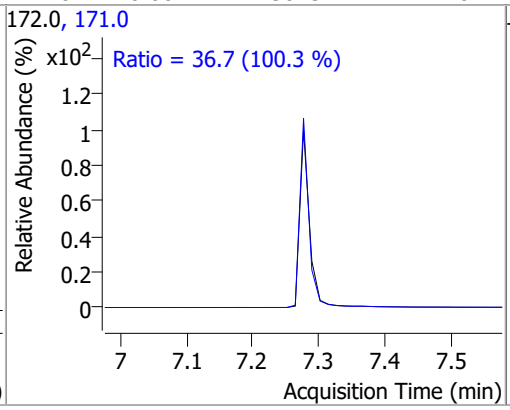
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.91	142.0	110.3	115.0	56.4

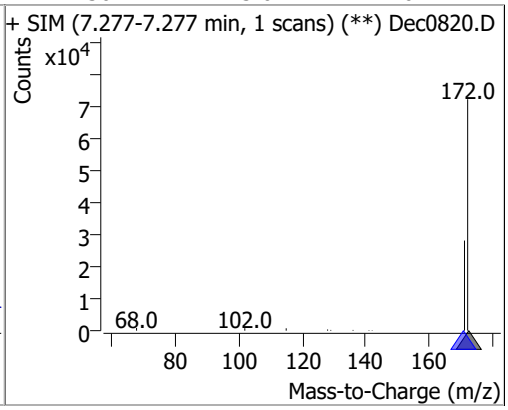




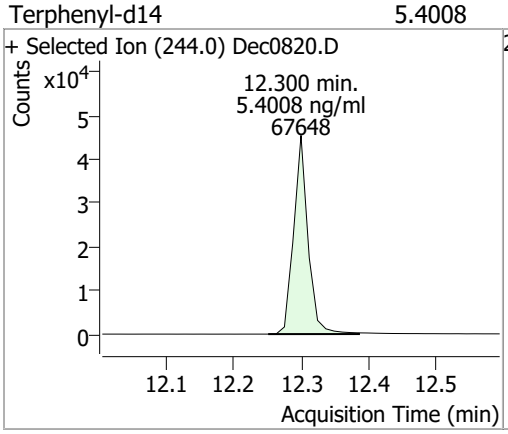
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.3057	7.28	0.00	73823	171.0	36.7	25.6	47.6

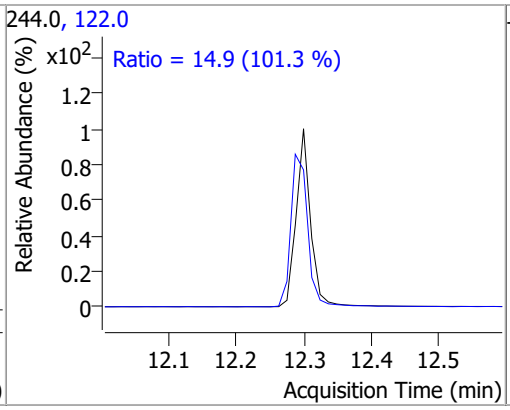


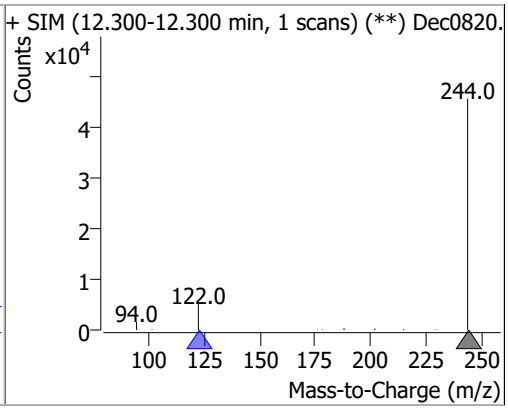




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	5.4008	12.30	0.00	67648	122.0	14.9	10.3	19.1



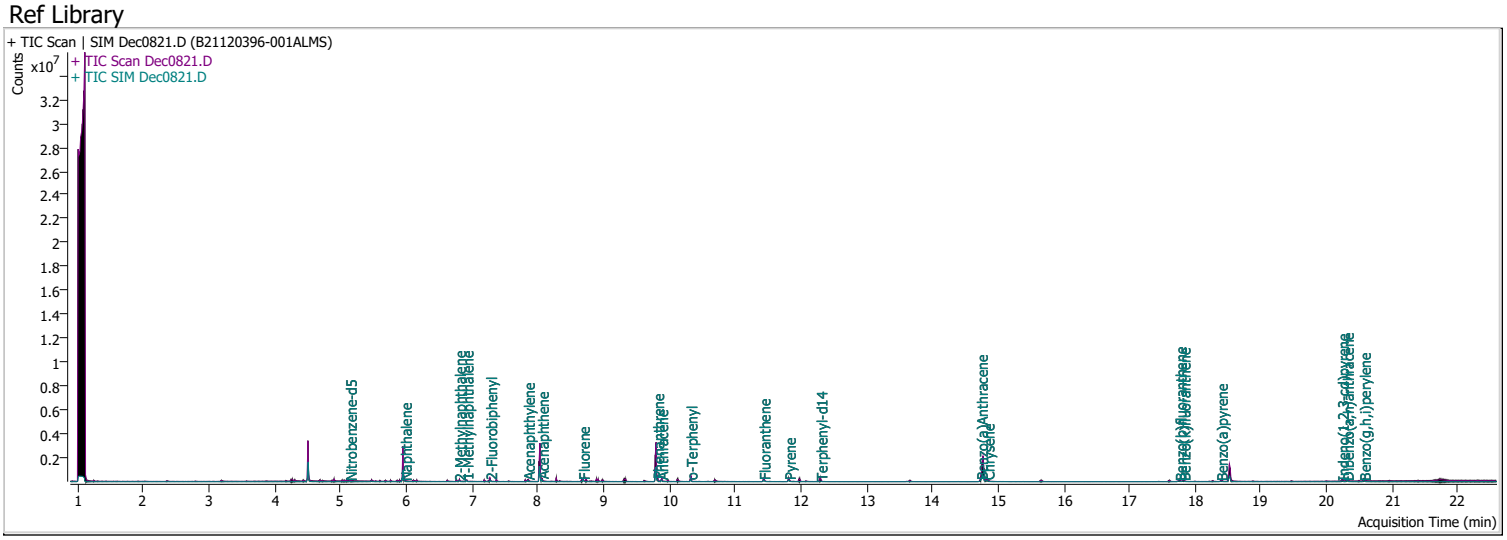




Quantitation Results Report (QT Reviewed)

Agilent | Trusted Answers

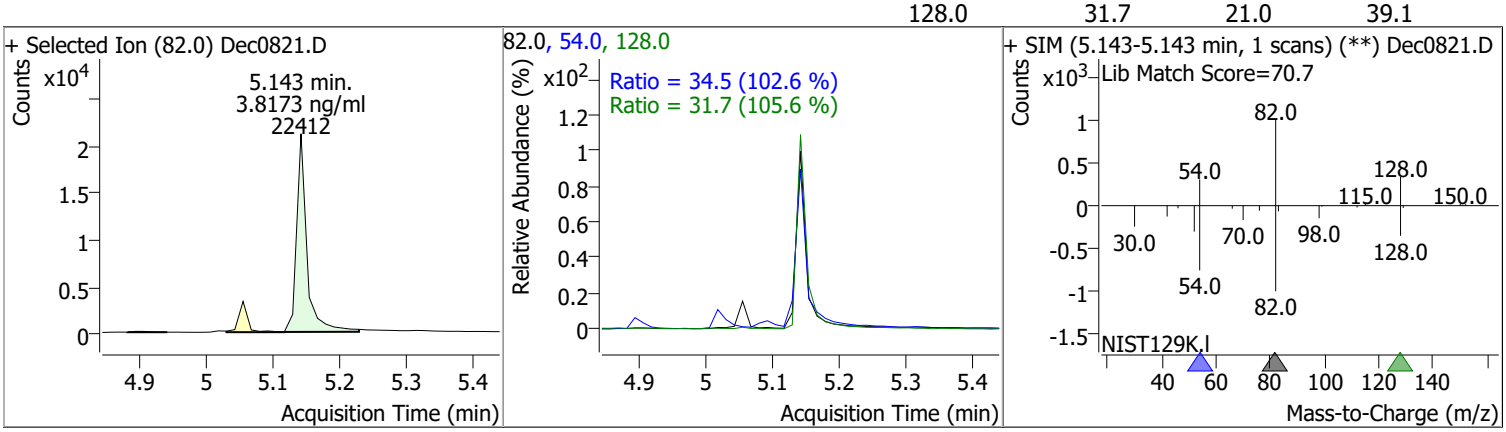
Data File	Dec0821.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 7:27:05 PM
Sample Name	B21120396-001ALMS	Instrument	GCMS
Vial	21	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			



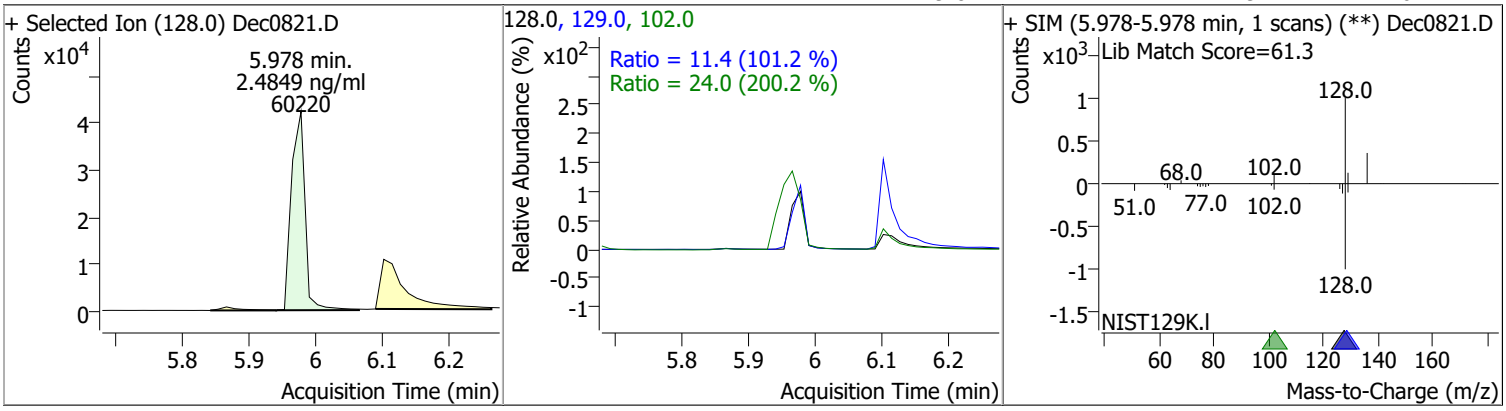
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	22412	3.8173	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 76.35%			
S 2-Fluorobiphenyl	7.277	172.0	86492	3.6449	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 72.90%			
S Terphenyl-d14	12.300	244.0	72457	5.3353	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 106.71%		*	
Target Compounds							**QValue**
T Naphthalene	5.978	128.0	60220	2.4849	ng/ml		84
T 2-Methylnaphthalene	6.803	141.0	39007	2.7798	ng/ml		97
T 1-Methylnaphthalene	6.915	141.0	40834	2.7252	ng/ml		98

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

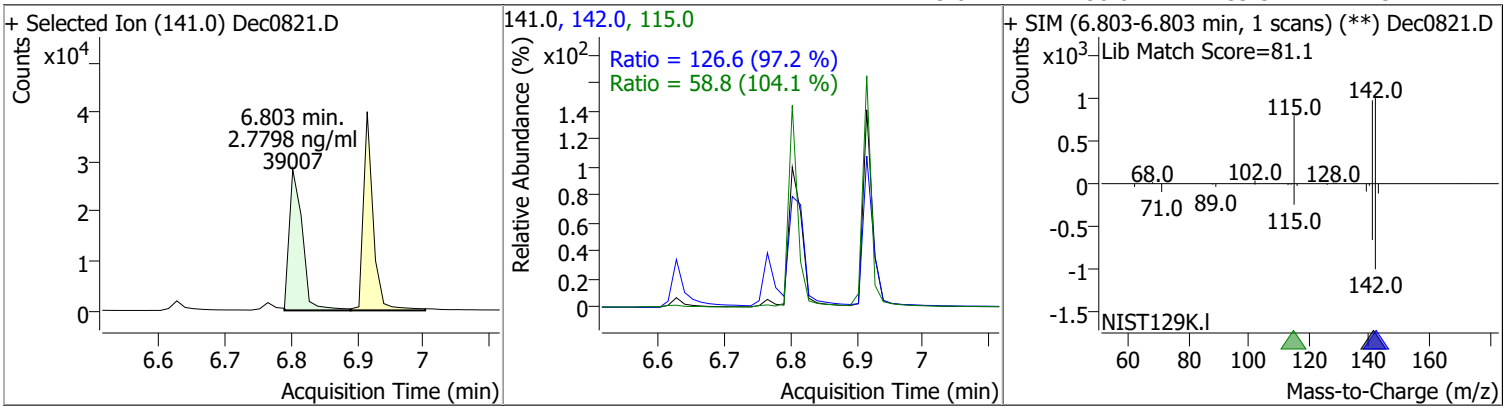
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	3.8173	5.14	0.00	22412	54.0	34.5	23.5	43.7
					128.0	31.7	21.0	39.1



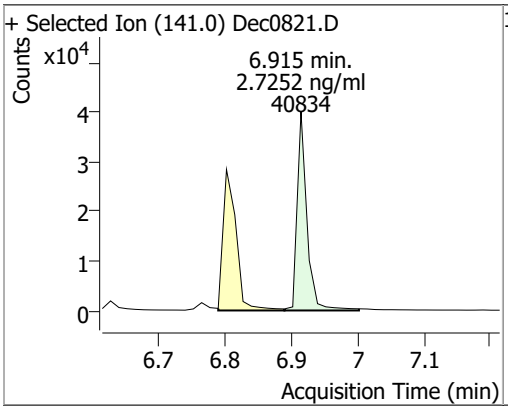
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	2.4849	5.98	0.00	60220	102.0	24.0	0.0	35.9
					129.0	11.4	7.9	14.6

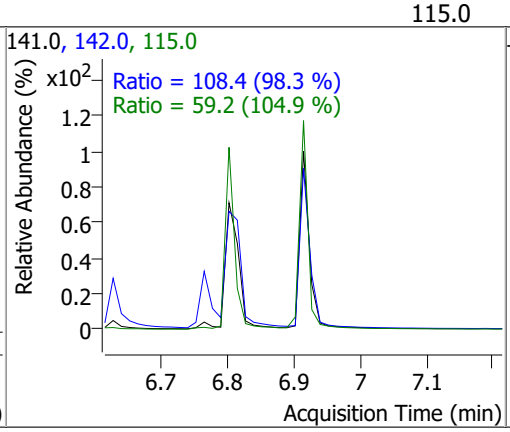


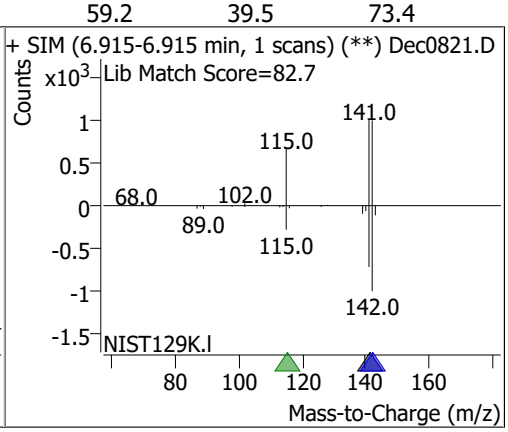
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	2.7798	6.80	-0.01	39007	142.0	126.6	91.1	169.2
					115.0	58.8	39.5	73.4



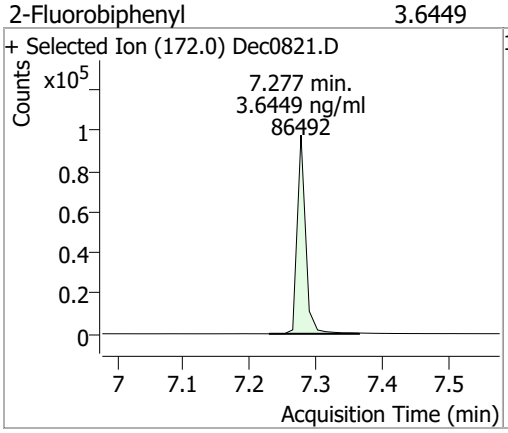
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	2.7252	6.91	0.00	40834	142.0	108.4	77.2	143.4
					115.0	59.2	39.5	73.4

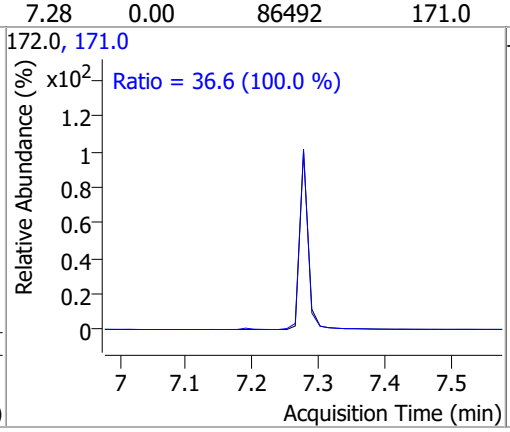


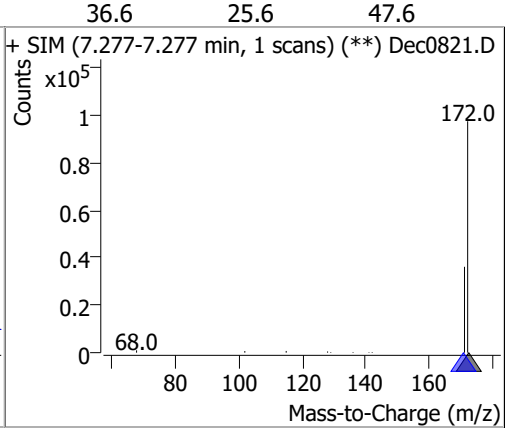




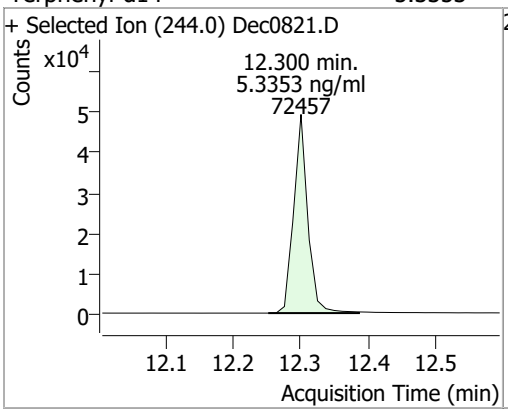
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.6449	7.28	0.00	86492	171.0	36.6	25.6	47.6

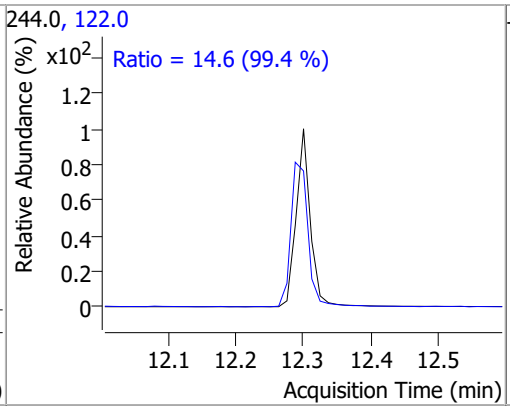


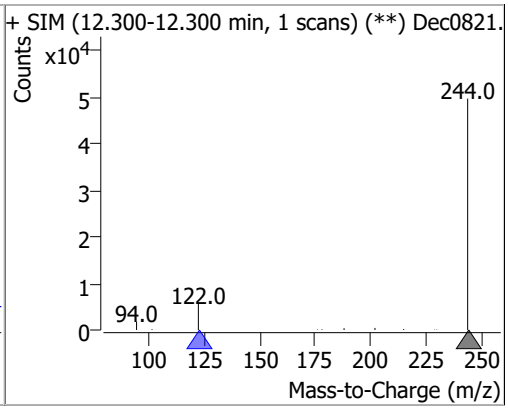




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	5.3353	12.30	0.00	72457	122.0	14.6	10.3	19.1







Quantitation Results Report (QT Reviewed)

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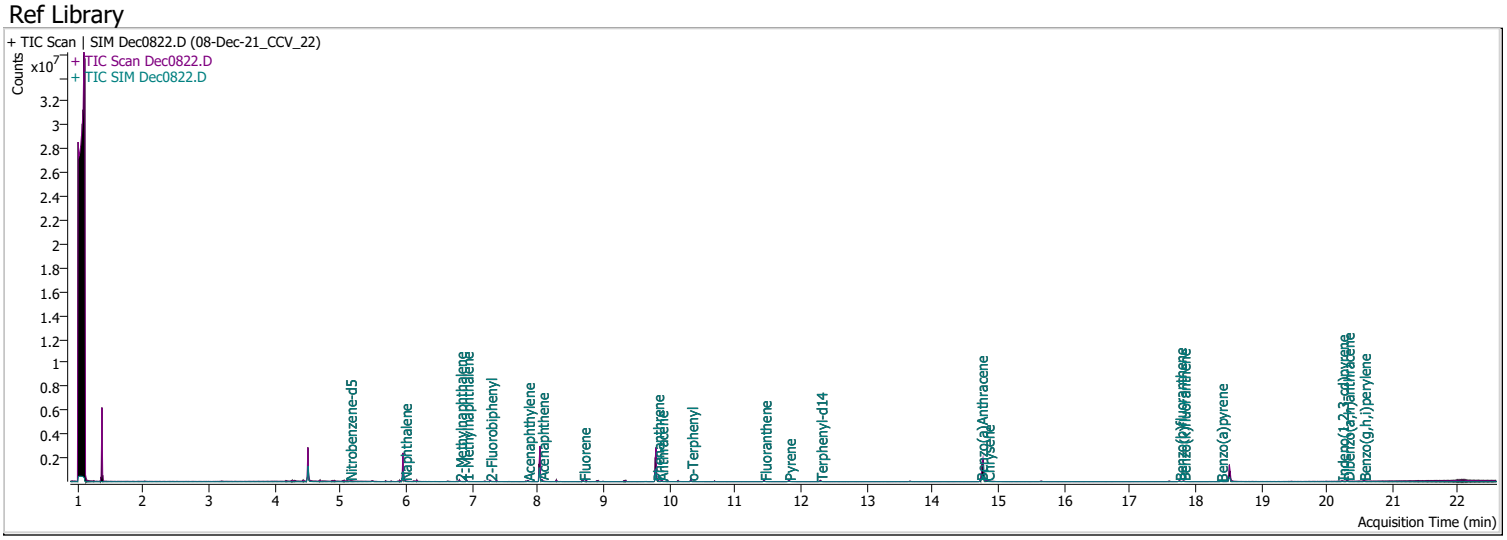
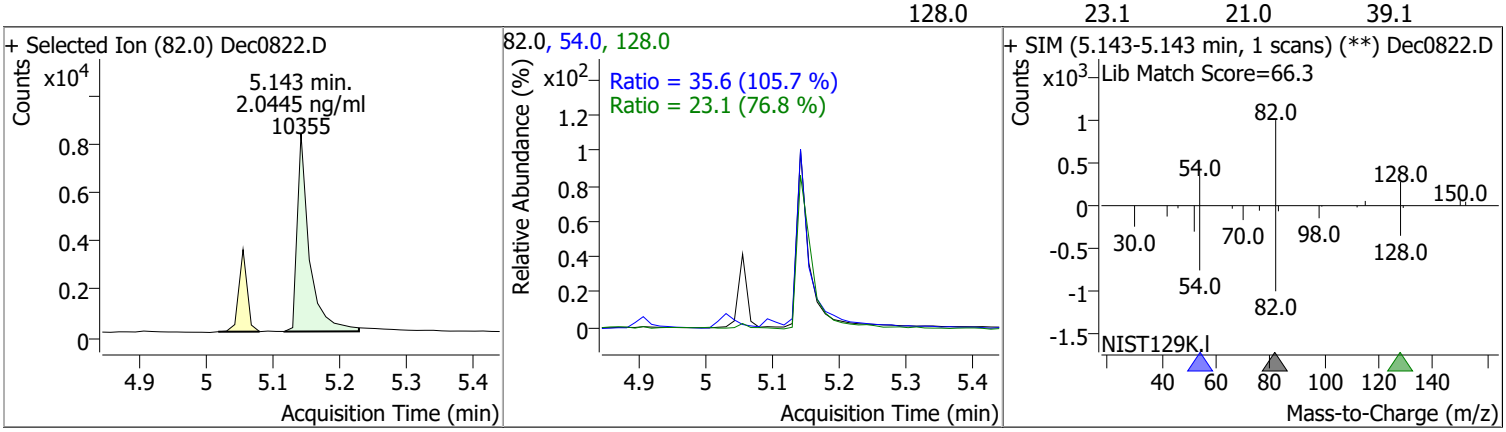
Data File	Dec0822.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	12/8/2021 7:59:32 PM
Sample Name	08-Dec-21_CCV_22	Instrument	GCMS
Vial	22	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	120821 bna SIM 1.batch.bin	Last Calib Update	12/9/2021 2:45:11 PM
Ref Library			



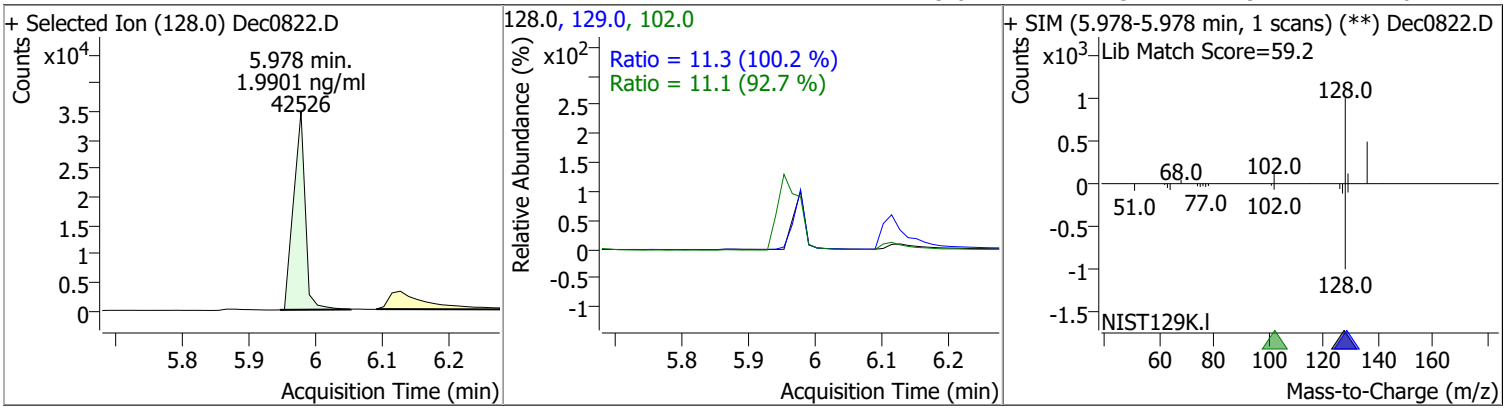
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	10355	2.0445	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 40.89%			
S 2-Fluorobiphenyl	7.277	172.0	43334	1.9306	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 38.61%			
S Terphenyl-d14	12.300	244.0	22134	1.7792	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 35.58%		*	
Target Compounds							**QValue**
T Naphthalene	5.978	128.0	42526	1.9901	ng/ml		99
T 2-Methylnaphthalene	6.815	141.0	26078	2.1210	ng/ml		97
T 1-Methylnaphthalene	6.915	141.0	28465	2.1679	ng/ml		99

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

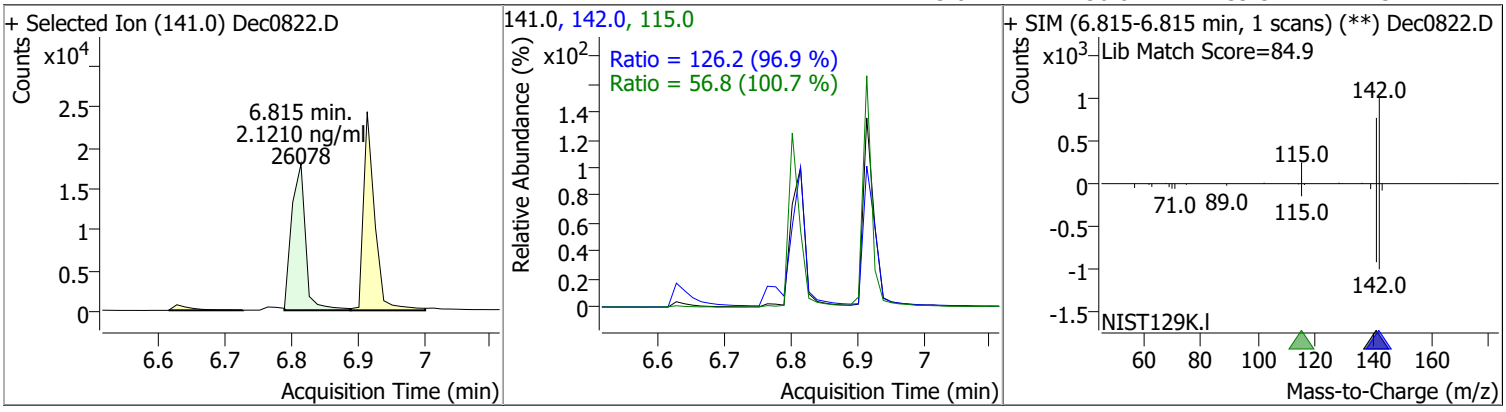
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	2.0445	5.14	0.00	10355	54.0	35.6	23.5	43.7
					128.0	23.1	21.0	39.1



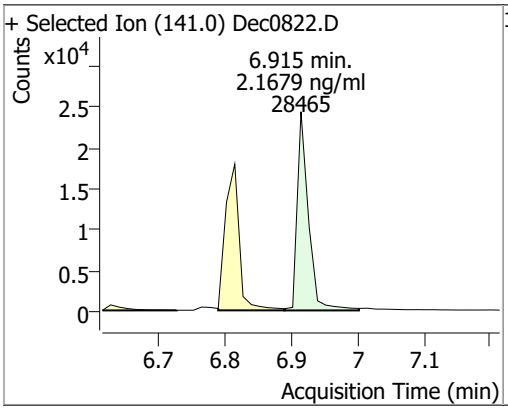
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	1.9901	5.98	0.00	42526	102.0	11.1	0.0	35.9
					129.0	11.3	7.9	14.6

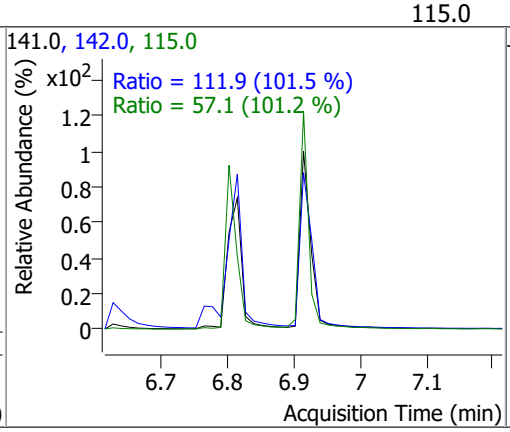


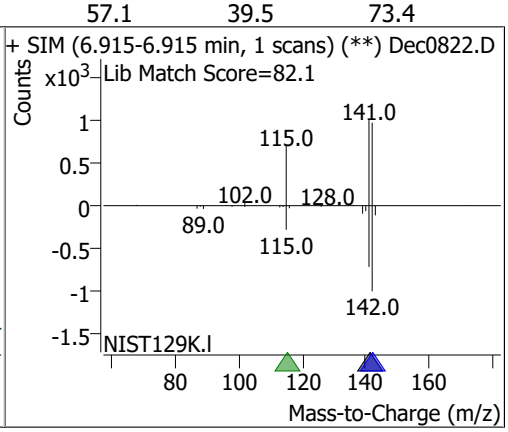
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	2.1210	6.81	0.00	26078	142.0	126.2	91.1	169.2
					115.0	56.8	39.5	73.4



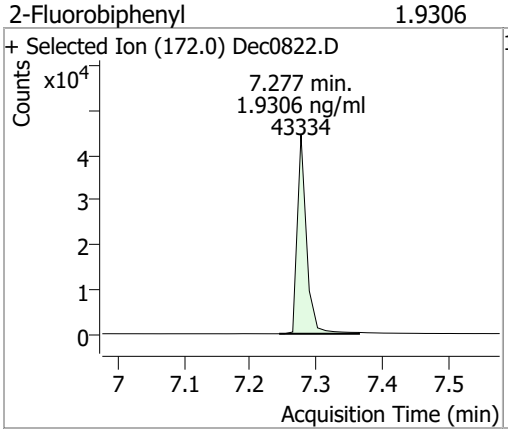
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	2.1679	6.91	0.00	28465	142.0	111.9	77.2	143.4
					115.0	57.1	39.5	73.4

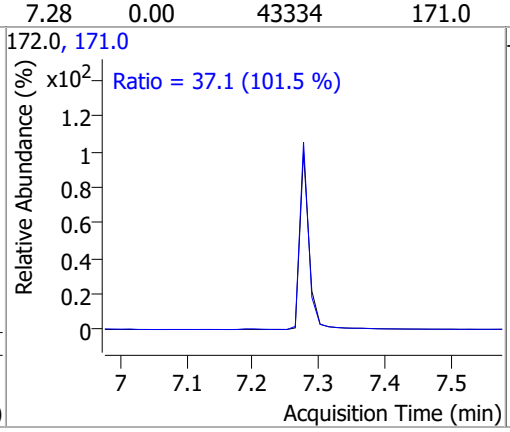


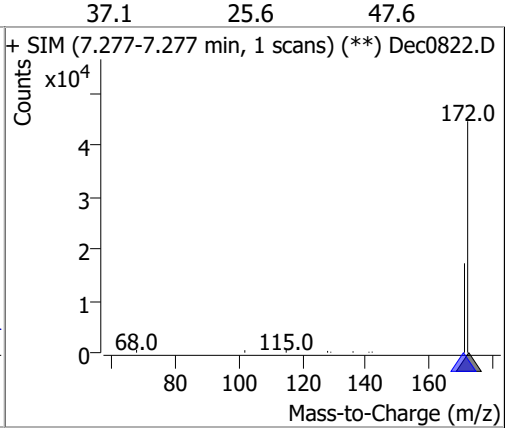




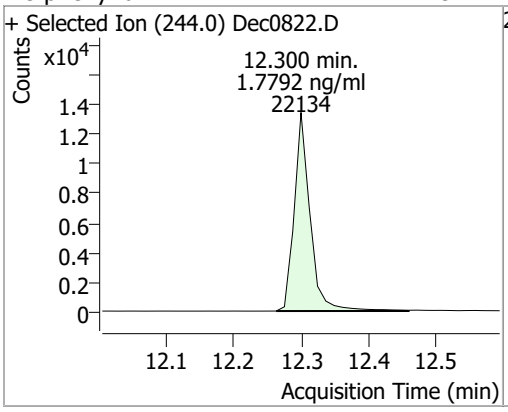
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	1.9306	7.28	0.00	43334	171.0	37.1	25.6	47.6

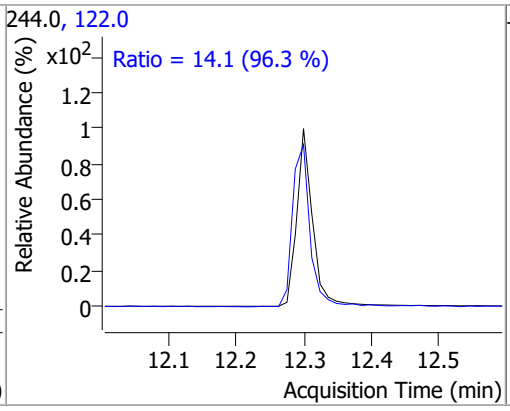


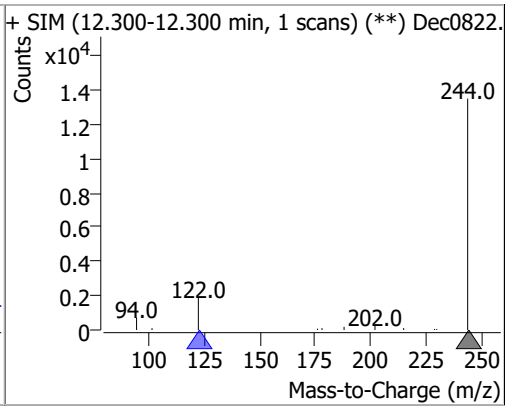




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	1.7792	12.30	0.00	22134	122.0	14.1	10.3	19.1







Continuing Calibration Report

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Batch Name \\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin
Method File
Daily CC \\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIMDec0822.D

Level name	Injection Time	Calibration Files	
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6	12/8/2021 9:40:55 AM	\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0803.D	
5	12/8/2021 10:13:30 AM	\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0804.D	
4	12/8/2021 10:46:13 AM	\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0805.D	
3	12/8/2021 11:18:45 AM	\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0806.D	
2	12/8/2021 11:51:21 AM	\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0807.D	
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CCV	12/8/2021 7:59:32 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0822.D	<======

ISTD Compound:	Avg Resp	Mid Resp	CC Resp	Area%	A/M
1,4-Dichlorobenzene-d4	464105	497306	453597	91.21	M
Naphthalene-d8	799929	840196	772880	91.99	M
Acenaphthene-d10	445351	460731	444897	96.56	M
Chrysene-d12	689332	737861	694909	94.18	M

Target Compound	AvgRF/R2	CC RF	Exp. Conc	Calc. Conc	%Dev	Area%	Curve Fit
1,4-Dichlorobenzene-d4	----------ISTD----------						
Nitrobenzene-d5	0.9991	0.4566	2.00	2.04	-2.23	93.26	Quadratic
Naphthalene-d8	----------ISTD----------						
Naphthalene	0.9985	1.1005	2.00	1.99	0.49	90.01	Quadratic
2-Methylnaphthalene	0.9960	0.6748	2.00	2.12	-6.05	95.56	Quadratic
1-Methylnaphthalene	0.9985	0.7366	2.00	2.17	-8.40	95.24	Quadratic
Acenaphthene-d10	----------ISTD----------						
2-Fluorobiphenyl	2.0181	1.9480	2.00	1.93	-3.47	97.39	Avg RF
Chrysene-d12	----------ISTD----------						
Terphenyl-d14	0.7161	0.6370	2.00	1.78	-11.04	95.35	Avg RF

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

Batch name and path: \\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\QuantResults\120821 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	12/8/2021 1:33:36 PM	Create new batch \\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\120821 bna SIM 1.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\jheine	12/8/2021 1:33:58 PM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0809.D, \\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0808.D, \\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0807.D, \\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0806.D, \\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0805.D, \\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0804.D, \\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0803.D, \\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0802.D, \\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\Dec0801.D			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:34:01 PM	Set SampleType = TuneCheck for sample Dec0801.D; previous value = Sample			✓	
CmdStartMethodEditing	BL2000\jheine	12/8/2021 1:34:50 PM	Start method editing			✓	
CmdImportMethodFromBatch	BL2000\jheine	12/8/2021 1:34:51 PM	Import method from batch \\MASSHUNTER\Org\Data\SV5975.I\sh120221\1 e8270c bna SIM\120221 bna SIM 1.batch.bin			✓	
CmdApplyMethodToAllSamples	BL2000\jheine	12/8/2021 1:34:56 PM	Apply method to all samples			✓	
CmdMethodClear	BL2000\jheine	12/8/2021 1:34:56 PM	Clear method			✓	
CmdEndMethodEditing	BL2000\jheine	12/8/2021 1:34:56 PM	End method editing			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:35:02 PM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:08 PM	Set SampleType = Calibration for sample Dec0802.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:10 PM	Set SampleType = Calibration for sample Dec0803.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:13 PM	Set SampleType = Calibration for sample Dec0804.D; previous value = Sample			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:15 PM	Set SampleType = Calibration for sample Dec0805.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:17 PM	Set SampleType = Calibration for sample Dec0806.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:20 PM	Set SampleType = Calibration for sample Dec0807.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:23 PM	Set SampleType = Calibration for sample Dec0808.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:28 PM	Set SampleType = QC for sample Dec0809.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:31 PM	Set LevelName = ICV for sample Dec0809.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:34 PM	Set LevelName = 1 for sample Dec0808.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:37 PM	Set LevelName = 2 for sample Dec0807.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:40 PM	Set LevelName = 3 for sample Dec0806.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:43 PM	Set LevelName = 4 for sample Dec0805.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:47 PM	Set LevelName = 5 for sample Dec0804.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:51 PM	Set LevelName = 6 for sample Dec0803.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	12/8/2021 1:35:54 PM	Set LevelName = 7 for sample Dec0802.D; previous value =			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:35:59 PM	Quantitate all compounds in all samples			✓	
CmdSelectPeak	BL2000\jheine	12/8/2021 1:36:35 PM	Select peak for compound Naphthalene in sample Dec0804.D			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	12/8/2021 1:36:41 PM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Dec0804.D, from x, y = 5.966, 1235 to 6.078, 108, result = 1862; previous integration is from x, y = 5.928, 108 to 6.078, 108 and previous response = 12453.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/8/2021 1:36:42 PM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Dec0804.D to y = 108, new integration is from x, y = 5.966, 108 to 6.078, 108 and new response = 5661; previous integration is from x, y = 5.966, 1235 to 6.078, 108 and previous response = 1862.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSelectPeak	BL2000\jheine	12/8/2021 1:36:50 PM	Select peak for compound 2-Methylnaphthalene in sample Dec0804.D			✓	
CmdSelectPeak	BL2000\jheine	12/8/2021 1:37:05 PM	Select peak for compound Phenanthrene in sample Dec0804.D			✓	
CmdSelectPeak	BL2000\jheine	12/8/2021 1:37:18 PM	Select peak for compound Benzo(a)Anthracene in sample Dec0804.D			✓	
CmdSelectPeak	BL2000\jheine	12/8/2021 1:37:23 PM	Select peak for compound Benzo(b)fluoranthene in sample Dec0804.D			✓	
CmdSelectPeak	BL2000\jheine	12/8/2021 1:37:30 PM	Select peak for compound Benzo(a)pyrene in sample Dec0804.D			✓	
CmdSelectPeak	BL2000\jheine	12/8/2021 1:37:33 PM	Select peak for compound Indeno(1,2,3-cd)pyrene in sample Dec0804.D			✓	
CmdUpdateRetentionTimes	BL2000\jheine	12/8/2021 1:37:46 PM	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	12/8/2021 1:37:53 PM	Quantitate all compounds in all samples			✓	
CmdStartMethodEditing	BL2000\jheine	12/8/2021 1:38:07 PM	Start method editing			✓	
CmdImportMethodFromSample	BL2000\jheine	12/8/2021 1:38:07 PM	Import method from sample Dec0804.D			✓	
CmdSaveMethodAs	BL2000\jheine	12/8/2021 1:38:50 PM	Save method to file \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\120821 bna SIM.m			✓	
CmdApplyMethodToAllSamples	BL2000\jheine	12/8/2021 1:39:06 PM	Apply method to all samples			✓	
CmdMethodClear	BL2000\jheine	12/8/2021 1:39:06 PM	Clear method			✓	
CmdEndMethodEditing	BL2000\jheine	12/8/2021 1:39:07 PM	End method editing			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:39:12 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:39:50 PM	Set UserAnnotation = RT for compound 2-Methylnaphthalene in sample Dec0804.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:39:56 PM	Set UserAnnotation = RT for compound Naphthalene in sample Dec0804.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:40:01 PM	Set UserAnnotation = RT for compound Phenanthrene in sample Dec0804.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:40:04 PM	Set UserAnnotation = RT for compound Benzo(a)Anthracene in sample Dec0804.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:40:07 PM	Set UserAnnotation = RT for compound Benzo(b)fluoranthene in sample Dec0804.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:40:12 PM	Set UserAnnotation = RT for compound Benzo(a)pyrene in sample Dec0804.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:40:15 PM	Set UserAnnotation = RT for compound Indeno(1,2,3-cd)pyrene in sample Dec0804.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdUpdateQualifierRatios	BL2000\jheine	12/8/2021 1:40:30 PM	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 Benzo(g,h,i)perylene; Update qualifier ratios for compound Dibenzo(a,h)anthracene; 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 Indeno(1,2,3-cd)pyrene;			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:40:37 PM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	12/8/2021 1:41:08 PM	Manually integrate qualifier152.0 of compound Acenaphthene in sample Dec0802.D from x, y = 8.038, 20931 to 8.113, 40859; result = -38251			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	12/8/2021 1:41:09 PM	Snap baseline for qualifier 152.0 of compound Acenaphthene in sample Dec0802.D from x = 8.038 to x = 8.113, new integration is from x, y = 8.038, 434 to 8.113, 1216 and new response = 96674; previous integration is from x, y = 8.038, 20931 to 8.113, 40859 and previous response = -38251.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/8/2021 1:41:09 PM	Drop baseline for qualifier 152.0 of compound Acenaphthene in sample Dec0802.D to y = 434, new integration is from x, y = 8.038, 434 to 8.113, 434 and new response = 98428; previous integration is from x, y = 8.038, 434 to 8.113, 1216 and previous response = 96674.			✓	
CmdManuallyIntegrateSplit	BL2000\jheine	12/8/2021 1:41:43 PM	Split qualifier 102.0 of compound Naphthalene in sample Dec0803.D and keep left peak, new integration is from x, y = 5.916, 115.35 to 6.078, 115.35 and new response = 23692, previous integration is from x, y = 5.916, 115 to 6.128, 115 and previous response = 26834.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	12/8/2021 1:42:46 PM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Dec0805.D, from x, y = 5.966, 978 to 6.040, 101, result = 1165; previous integration is from x, y = 5.928, 101 to 6.040, 101 and previous response = 9306.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/8/2021 1:42:47 PM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Dec0805.D to y = 101, new integration is from x, y = 5.966, 101 to 6.040, 101 and new response = 3136; previous integration is from x, y = 5.966, 978 to 6.040, 101 and previous response = 1165.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	12/8/2021 1:43:34 PM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Dec0806.D, from x, y = 5.966, 512 to 6.041, 88, result = 651; previous integration is from x, y = 5.928, 88 to 6.041, 88 and previous response = 6987.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/8/2021 1:43:38 PM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Dec0806.D to y = 88, new integration is from x, y = 5.966, 88 to 6.041, 88 and new response = 1605; previous integration is from x, y = 5.966, 512 to 6.041, 88 and previous response = 651.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	12/8/2021 1:44:25 PM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Dec0807.D, from x, y = 5.966, 329 to 6.041, 84, result = 373; previous integration is from x, y = 5.928, 84 to 6.041, 84 and previous response = 6120.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/8/2021 1:44:27 PM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Dec0807.D to y = 84, new integration is from x, y = 5.966, 84 to 6.041, 84 and new response = 924; previous integration is from x, y = 5.966, 329 to 6.041, 84 and previous response = 373.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	12/8/2021 1:44:31 PM	Manually integrate qualifier 129.0 of compound Naphthalene in sample Dec0807.D, from x, y = 5.966, 177 to 6.058, 113, result = 298; previous integration is from x, y = 5.916, 113 to 6.058, 113 and previous response = 678.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/8/2021 1:44:33 PM	Drop baseline for qualifier 129.0 of compound Naphthalene in sample Dec0807.D to y = 113, new integration is from x, y = 5.966, 113 to 6.058, 113 and new response = 475; previous integration is from x, y = 5.966, 177 to 6.058, 113 and previous response = 298.			✓	
CmdManuallyIntegrateSplit	BL2000\jheine	12/8/2021 1:44:58 PM	Split peak for compound Acenaphthene in sample Dec0807.D and keep right peak, new integration is from x, y = 7.979, 74.5341150517142 to 8.138, 75.2393405363575 and new response = 5444, previous integration is from x, y = 7.979, 75 to 8.138, 75 and previous response = 5444.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/8/2021 1:45:03 PM	Manually integrate compound Acenaphthene in sample Dec0807.D, from x, y = 8.050, 260 to 8.138, 75, result = 2692; previous integration is from x, y = 7.979, 75 to 8.138, 75 and previous response = 5444.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/8/2021 1:45:04 PM	Drop baseline for compound Acenaphthene in sample Dec0807.D to y = 75, new integration is from x, y = 8.050, 75 to 8.138, 75 and new response = 3176; previous integration is from x, y = 8.050, 260 to 8.138, 75 and previous response = 2692.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:45:15 PM	Set UserAnnotation = CO for compound Acenaphthene in sample Dec0807.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	12/8/2021 1:45:17 PM	Manually integrate qualifier 152.0 of compound Acenaphthene in sample Dec0807.D, from x, y = 8.050, 520 to 8.050, 391, result = 0; previous integration is from x, y = 7.814, 93 to 7.938, 93 and previous response = 4204.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	12/8/2021 1:45:20 PM	Manually integrate qualifier 152.0 of compound Acenaphthene in sample Dec0807.D, from x, y = 8.038, 573 to 8.088, 839, result = -136; previous integration is from x, y = 8.050, 520 to 8.050, 520 and previous response = 0.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	12/8/2021 1:45:21 PM	Snap baseline for qualifier 152.0 of compound Acenaphthene in sample Dec0807.D from x = 8.038 to x = 8.088, new integration is from x, y = 8.038, 134 to 8.088, 156 and new response = 1542; previous integration is from x, y = 8.038, 573 to 8.088, 839 and previous response = -136.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/8/2021 1:45:22 PM	Drop baseline for qualifier 152.0 of compound Acenaphthene in sample Dec0807.D to y = 134, new integration is from x, y = 8.038, 134 to 8.088, 134 and new response = 1575; previous integration is from x, y = 8.038, 134 to 8.088, 156 and previous response = 1542.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	12/8/2021 1:45:54 PM	Manually integrate qualifier 54.0 of compound Nitrobenzene-d5 in sample Dec0808.D, from x, y = 5.131, 160 to 5.301, 154, result = 165; previous integration is from x, y = 5.006, 157 to 5.301, 154 and previous response = 309.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/8/2021 1:45:55 PM	Drop baseline for qualifier 54.0 of compound Nitrobenzene-d5 in sample Dec0808.D to y = 154, new integration is from x, y = 5.131, 154 to 5.301, 154 and new response = 196; previous integration is from x, y = 5.131, 160 to 5.301, 154 and previous response = 165.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	12/8/2021 1:45:59 PM	Manually integrate qualifier 128.0 of compound Nitrobenzene-d5 in sample Dec0808.D, from x, y = 5.143, 177 to 5.280, 174, result = 120; previous integration is from x, y = 5.143, 172 to 5.510, 155 and previous response = 427.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	12/8/2021 1:46:00 PM	Snap baseline for qualifier 128.0 of compound Nitrobenzene-d5 in sample Dec0808.D from x = 5.143 to x = 5.280, new integration is from x, y = 5.143, 175 to 5.280, 178 and new response = 111; previous integration is from x, y = 5.143, 177 to 5.280, 174 and previous response = 120.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/8/2021 1:46:01 PM	Drop baseline for qualifier 128.0 of compound Nitrobenzene-d5 in sample Dec0808.D to y = 175, new integration is from x, y = 5.143, 175 to 5.280, 175 and new response = 123; previous integration is from x, y = 5.143, 175 to 5.280, 178 and previous response = 111.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	12/8/2021 1:46:08 PM	Manually integrate qualifier 54.0 of compound Nitrobenzene-d5 in sample Dec0808.D, from x, y = 5.131, 154 to 5.230, 157, result = 138; previous integration is from x, y = 5.131, 154 to 5.301, 154 and previous response = 196.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	12/8/2021 1:46:13 PM	Manually integrate qualifier 54.0 of compound Nitrobenzene-d5 in sample Dec0808.D, from x, y = 5.131, 158 to 5.230, 157, result = 125; previous integration is from x, y = 5.131, 154 to 5.230, 157 and previous response = 138.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/8/2021 1:46:14 PM	Drop baseline for qualifier 54.0 of compound Nitrobenzene-d5 in sample Dec0808.D to y = 157, new integration is from x, y = 5.131, 157 to 5.230, 157 and new response = 129; previous integration is from x, y = 5.131, 158 to 5.230, 157 and previous response = 125.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	12/8/2021 1:46:25 PM	Manually integrate qualifier 129.0 of compound Naphthalene in sample Dec0808.D, from x, y = 5.966, 115 to 6.003, 113, result = 261; previous integration is from x, y = 5.909, 112 to 6.041, 112 and previous response = 456.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/8/2021 1:46:26 PM	Drop baseline for qualifier 129.0 of compound Naphthalene in sample Dec0808.D to y = 113, new integration is from x, y = 5.966, 113 to 6.003, 113 and new response = 263; previous integration is from x, y = 5.966, 115 to 6.003, 113 and previous response = 261.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	12/8/2021 1:46:29 PM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Dec0808.D, from x, y = 5.966, 197 to 6.041, 88, result = 458; previous integration is from x, y = 5.928, 88 to 6.041, 88 and previous response = 5029.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/8/2021 1:46:30 PM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Dec0808.D to y = 88, new integration is from x, y = 5.966, 88 to 6.041, 88 and new response = 704; previous integration is from x, y = 5.966, 197 to 6.041, 88 and previous response = 458.			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	12/8/2021 1:46:42 PM	Manually integrate compound Acenaphthene in sample Dec0808.D, from x, y = 8.050, 176 to 8.113, 84, result = 1557; previous integration is from x, y = 8.001, 84 to 8.113, 84 and previous response = 3787.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/8/2021 1:46:45 PM	Drop baseline for compound Acenaphthene in sample Dec0808.D to y = 84, new integration is from x, y = 8.050, 84 to 8.113, 84 and new response = 1729; previous integration is from x, y = 8.050, 176 to 8.113, 84 and previous response = 1557.			✓	
CmdSetTargetCompoun dAttribute	BL2000\jheine	12/8/2021 1:46:46 PM	Set UserAnnotation = CO for compound Acenaphthene in sample Dec0808.D; previous value =			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	12/8/2021 1:47:25 PM	Manually integrate qualifier 226.0 of compound Chrysene in sample Dec0808.D, from x, y = 14.801, 151 to 14.963, 120, result = 250; previous integration is from x, y = 14.801, 56 to 15.050, 56 and previous response = 1086.			✓	
CmdManuallyIntegrateS napBaseline	BL2000\jheine	12/8/2021 1:47:26 PM	Snap baseline for qualifier 226.0 of compound Chrysene in sample Dec0808.D from x = 14.801 to x = 14.963, new integration is from x, y = 14.801, 120 to 14.963, 73 and new response = 632; previous integration is from x, y = 14.801, 151 to 14.963, 120 and previous response = 250.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/8/2021 1:47:26 PM	Drop baseline for qualifier 226.0 of compound Chrysene in sample Dec0808.D to y = 73, new integration is from x, y = 14.801, 73 to 14.963, 73 and new response = 860; previous integration is from x, y = 14.801, 120 to 14.963, 73 and previous response = 632.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	12/8/2021 1:48:14 PM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Dec0809.D, from x, y = 5.966, 914 to 6.091, 127, result = 2476; previous integration is from x, y = 5.928, 106 to 6.091, 127 and previous response = 12176.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/8/2021 1:48:15 PM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Dec0809.D to y = 127, new integration is from x, y = 5.966, 127 to 6.091, 127 and new response = 5427; previous integration is from x, y = 5.966, 914 to 6.091, 127 and previous response = 2476.			✓	
CmdSaveBatchTable	BL2000\jheine	12/8/2021 1:48:50 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\jheine	12/8/2021 1:48:58 PM	Replace level ICV with QC sample Dec0809.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 Dec0808.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 Dec0807.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 Dec0806.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 Dec0805.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 Dec0804.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 Dec0803.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 Dec0802.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	12/8/2021 1:49:23 PM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:49:27 PM	Set CurveFit = fitAverageOfResponseFactors for compound Nitrobenzene-d5 in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:49:30 PM	Set CurveFit = fitQuadratic for compound Nitrobenzene-d5 in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:49:38 PM	Set CurveFitWeight = weightOneOverXSquared for compound Nitrobenzene-d5 in all samples; previous value = weightOneOverX			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:49:42 PM	Set CurveFitWeight = weightLog for compound Nitrobenzene-d5 in all samples; previous value = weightOneOverX				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Cannot include origin and use logarithmic weighting at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CalibrationCurveFit.DoFit() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.CompoundCalibration.DoCurveFit() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Batch.CurveFitChangedEventHandler(Object sender, DataColumnChangeEventArgs args) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.QuantitationDataSet.TargetCompoundDataTable.OnColumnChanged(DataColumnChangeEventArgs e) at System.Data.DataRow.set_Item(DataColumn column, Object value) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.DataSetBase.SetColumnValue(RowIdBase rowId, String columnName, Object value) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdSetTargetCompoundAttribute.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:49:47 PM	Set CurveFitOrigin = originIgnore for compound Nitrobenzene-d5 in all samples; previous value = originInclude			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:49:51 PM	Set CurveFitWeight = weightOneOverX for compound Nitrobenzene-d5 in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:49:57 PM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/8/2021 1:50:23 PM	Manually integrate compound Nitrobenzene-d5 in sample Dec0806.D, from x, y = 5.118, 231 to 5.330, 239, result = 1871; previous integration is from x, y = 5.131, 243 to 5.243, 244 and previous response = 1530.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/8/2021 1:50:24 PM	Drop baseline for compound Nitrobenzene-d5 in sample Dec0806.D to y = 231, new integration is from x, y = 5.118, 231 to 5.330, 231 and new response = 1921; previous integration is from x, y = 5.118, 231 to 5.330, 239 and previous response = 1871.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/8/2021 1:50:36 PM	Manually integrate compound Nitrobenzene-d5 in sample Dec0808.D, from x, y = 5.131, 236 to 5.280, 238, result = 295; previous integration is from x, y = 5.131, 225 to 5.347, 229 and previous response = 426.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	12/8/2021 1:50:37 PM	Snap baseline for compound Nitrobenzene-d5 in sample Dec0808.D, from x = 5.131 to x = 5.280, new integration is from x, y = 5.131, 235 to 5.280, 239 and new response = 295; previous integration is from x, y = 5.131, 236 to 5.280, 238 and previous response = 295.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/8/2021 1:50:38 PM	Drop baseline for compound Nitrobenzene-d5 in sample Dec0808.D to y = 235, new integration is from x, y = 5.131, 235 to 5.280, 235 and new response = 312; previous integration is from x, y = 5.131, 235 to 5.280, 239 and previous response = 295.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:50:46 PM	Set UserAnnotation = BA for compound Nitrobenzene-d5 in sample Dec0808.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:50:54 PM	Set UserAnnotation = BA for compound Nitrobenzene-d5 in sample Dec0806.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\jheine	12/8/2021 1:51:06 PM	Replace level ICV with QC sample Dec0809.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, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5}; Replace level 1 with Calibration sample Dec0808.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, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5}; Replace level 2 with Calibration sample Dec0807.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, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5}; Replace level 3 with Calibration sample Dec0806.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, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5}; Replace level 4 with Calibration sample Dec0805.D for compounds {Benzo(g,h,i)perylene,			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			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}; Replace level 5 with Calibration sample Dec0804.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, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5}; Replace level 6 with Calibration sample Dec0803.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, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5}; Replace level 7 with Calibration sample Dec0802.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, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5};				
CmdQuantitate	BL2000\jheine	12/8/2021 1:51:11 PM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:51:19 PM	Set CurveFitOrigin = originInclude for compound Nitrobenzene-d5 in all samples; previous value = originInclude			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:51:24 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:51:30 PM	Set CurveFit = fitQuadratic for compound Naphthalene in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:51:34 PM	Set CurveFitWeight = weightOneOverX for compound Naphthalene in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:51:39 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:51:46 PM	Set CurveFit = fitQuadratic for compound 2-Methylnaphthalene in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:51:47 PM	Set CurveFitOrigin = originInclude for compound 2-Methylnaphthalene in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:51:49 PM	Set CurveFitWeight = weightOneOverX for compound 2-Methylnaphthalene in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:51:53 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:51:58 PM	Set CurveFit = fitQuadratic for compound 1-Methylnaphthalene in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:51:59 PM	Set CurveFitOrigin = originInclude for compound 1-Methylnaphthalene in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:52:01 PM	Set CurveFitWeight = weightOneOverX for compound 1-Methylnaphthalene in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:52:05 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:52:23 PM	Set CurveFit = fitAverageOfResponseFactors for compound Fluorene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:52:26 PM	Set CurveFitOrigin = originIgnore for compound Fluorene in all samples; previous value = originInclude			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:52:27 PM	Set CurveFitWeight = weightEqual for compound Fluorene in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:52:32 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:52:37 PM	Set CurveFit = fitAverageOfResponseFactors for compound 2-Fluorobiphenyl in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:52:40 PM	Set CurveFitOrigin = originIgnore for compound 2-Fluorobiphenyl in all samples; previous value = originInclude			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:52:41 PM	Set CurveFitWeight = weightEqual for compound 2-Fluorobiphenyl in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:52:46 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:52:50 PM	Set CurveFit = fitAverageOfResponseFactors for compound Phenanthrene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:52:56 PM	Set CurveFitWeight = weightEqual for compound Phenanthrene in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:53:01 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:53:19 PM	Set CurveFit = fitAverageOfResponseFactors for compound Benzo(a)Anthracene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:53:21 PM	Set CurveFit = fitQuadratic for compound Benzo(a)Anthracene in all samples; previous value = fitQuadratic			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:53:26 PM	Set CurveFit = fitSecondOrderLog for compound Chrysene in all samples; previous value = fitQuadratic				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Cannot include the origin in a second-order log fit at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CalibrationCurveFit.DoFit() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.CompoundCalibration.DoCurveFit() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Batch.CurveFitChangedEventHandler(Object sender, DataColumnChangeEventArgs args) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.QuantitationDataSet.TargetCompoundDataTable.OnColumnChanged(DataColumnChangeEventArgs e) at System.Data.DataRow.set_Item(DataColumn column, Object value) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.DataSetBase.SetColumnValue(RowIdBase rowId, String columnName, Object value) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdSetTargetCompoundAttribute.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:53:30 PM	Set CurveFit = fitAverageOfResponseFactors for compound Chrysene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:53:33 PM	Set CurveFitOrigin = originIgnore for compound Chrysene in all samples; previous value = originInclude			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:53:35 PM	Set CurveFitWeight = weightEqual for compound Chrysene in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:53:40 PM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:53:46 PM	Set CurveFit = fitAverageOfResponseFactors for compound Terphenyl-d14 in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:53:49 PM	Set CurveFitOrigin = originInclude for compound Terphenyl-d14 in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:53:51 PM	Set CurveFitWeight = weightEqual for compound Terphenyl-d14 in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:53:56 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:54:01 PM	Set CurveFit = fitAverageOfResponseFactors for compound Benzo(b)fluoranthene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:54:03 PM	Set CurveFitOrigin = originIgnore for compound Benzo(b)fluoranthene in all samples; previous value = originInclude			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:54:05 PM	Set CurveFitWeight = weightEqual for compound Benzo(b)fluoranthene in all samples; previous value = weightOneOverXSquared			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:54:10 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:54:16 PM	Set CurveFit = fitAverageOfResponseFactors for compound Benzo(k)fluoranthene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:54:18 PM	Set CurveFit = fitQuadratic for compound Benzo(k)fluoranthene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:54:22 PM	Set CurveFit = fitAverageOfResponseFactors for compound Benzo(a)pyrene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:54:24 PM	Set CurveFit = fitQuadratic for compound Benzo(a)pyrene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:54:28 PM	Set CurveFit = fitAverageOfResponseFactors for compound Indeno(1,2,3-cd)pyrene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:54:30 PM	Set CurveFit = fitQuadratic for compound Indeno(1,2,3-cd)pyrene in all samples; previous value = fitQuadratic			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:54:34 PM	Set CurveFit = fitAverageOfResponseFactors for compound Dibenzo(a,h)anthracene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:54:36 PM	Set CurveFit = fitQuadratic for compound Dibenzo(a,h)anthracene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:54:40 PM	Set CurveFit = fitAverageOfResponseFactors for compound Benzo(g,h,i)perylene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	12/8/2021 1:54:44 PM	Set CurveFitWeight = weightEqual for compound Benzo(g,h,i)perylene in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	12/8/2021 1:54:48 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\jheine	12/8/2021 1:55:47 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin			✓	
CmdSaveBatchTable	BL2000\jheine	12/8/2021 1:56:00 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin			✓	
CmdSaveBatchTable	BL2000\jheine	12/8/2021 2:14:34 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin			✓	
CmdSaveBatchTable	BL2000\jheine	12/8/2021 2:17:28 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin			✓	
CmdOpenBatchTable	BL2000\jheine	12/9/2021 8:01:46 AM	Open batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\120821 bna SIM 1.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdImportSamplesFromWorklist	BL2000\jheine	12/9/2021 8:02:52 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\Dec0822.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\Dec0821.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\Dec0820.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\Dec0819.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\Dec0818.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\Dec0817.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\Dec0816.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\Dec0815.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\Dec0814.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\Dec0813.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\Dec0812.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\Dec0811.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\Dec0810.D			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:04:27 AM	Set SampleType = Blank for sample Dec0811.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:04:30 AM	Set SampleType = Blank for sample Dec0812.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:04:34 AM	Set SampleType = Matrix for sample Dec0813.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:04:38 AM	Set SampleType = MatrixDup for sample Dec0814.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:04:49 AM	Set SampleType = Matrix for sample Dec0821.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:04:53 AM	Set SampleType = CC for sample Dec0822.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:04:57 AM	Set LevelName = CCV for sample Dec0822.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:05:02 AM	Set MatrixSpikeGroup = B21120396-001A for sample Dec0820.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:05:05 AM	Set MatrixSpikeGroup = B21120396-001A for sample Dec0821.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:05:10 AM	Set SampleInformation = MatrixB for sample Dec0821.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:05:24 AM	Set MatrixSpikeGroup = MB-161925 for sample Dec0811.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:05:26 AM	Set MatrixSpikeGroup = MB-161925 for sample Dec0811.D; previous value = MB-161925			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:05:32 AM	Set MatrixSpikeGroup = MB-161925 for sample Dec0813.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:05:33 AM	Set MatrixSpikeGroup = MB-161925 for sample Dec0813.D; previous value = MB-161925			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:05:35 AM	Set MatrixSpikeGroup = MB-161925 for sample Dec0814.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:05:45 AM	Set SampleInformation = MatrixA for sample Dec0814.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:05:52 AM	Set SampleInformation = MatrixA for sample Dec0813.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	12/9/2021 8:06:04 AM	Set SampleInformation = MatrixA for sample Dec0821.D; previous value = MatrixB			✓	
CmdQuantitate	BL2000\jheine	12/9/2021 8:06:13 AM	Quantitate all compounds in all samples			✓	
CmdStartMethodEditing	BL2000\jheine	12/9/2021 8:06:33 AM	Start method editing			✓	
CmdImportMethodFromSample	BL2000\jheine	12/9/2021 8:06:33 AM	Import method from sample Dec0810.D			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:49 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:49 AM	Set PeakFilterThresholdValue = 1172.02208255797 for compound Naphthalene; previous value = 1067.24124999999			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:50 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:50 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:50 AM	Set PeakFilterThresholdValue = 132.053294252717 for qualifier 129.0 of compound Naphthalene; previous value = 123.726182294954			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:50 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:50 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:50 AM	Set PeakFilterThresholdValue = 140.445667398834 for qualifier 102.0 of compound Naphthalene; previous value = 181.262996609824			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:50 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:50 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:50 AM	Set PeakFilterThresholdValue = 707.289583333333 for compound 2-Methylnaphthalene; previous value = 571.415000000009			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:50 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:51 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:51 AM	Set PeakFilterThresholdValue = 920.784448280047 for qualifier 142.0 of compound 2-Methylnaphthalene; previous value = 772.889793905657			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:51 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:51 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:51 AM	Set PeakFilterThresholdValue = 399.189647420493 for qualifier 115.0 of compound 2-Methylnaphthalene; previous value = 301.935577378854			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:51 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:51 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:51 AM	Set PeakFilterThresholdValue = 787.667200000002 for compound 1-Methylnaphthalene; previous value = 636.959499999998			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:51 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:51 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:52 AM	Set PeakFilterThresholdValue = 868.775277815608 for qualifier 142.0 of compound 1-Methylnaphthalene; previous value = 728.155485333368			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:52 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:52 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:52 AM	Set PeakFilterThresholdValue = 444.447373149066 for qualifier 115.0 of compound 1-Methylnaphthalene; previous value = 342.418327542028			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:52 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:52 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:52 AM	Set PeakFilterThresholdValue = 1051.41036009318 for compound Acenaphthylene; previous value = 872.591250000007			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:52 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:52 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:52 AM	Set PeakFilterThresholdValue = 166.188779402418 for qualifier 153.0 of compound Acenaphthylene; previous value = 106.579570841977			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:53 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:53 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:53 AM	Set PeakFilterThresholdValue = 864.405138624625 for compound Acenaphthene; previous value = 819.693575961527			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:53 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:53 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:53 AM	Set PeakFilterThresholdValue = 458.460718081678 for qualifier 152.0 of compound Acenaphthene; previous value = 475.037269273616			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:53 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:53 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:53 AM	Set PeakFilterThresholdValue = 963.204594827647 for qualifier 153.0 of compound Acenaphthene; previous value = 936.967601223034			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:54 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:54 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:54 AM	Set PeakFilterThresholdValue = 969.267585952378 for compound Fluorene; previous value = 816.372249999997			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:54 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:54 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:54 AM	Set PeakFilterThresholdValue = 945.511921391597 for qualifier 165.0 of compound Fluorene; previous value = 749.760000152486			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:54 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:54 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:54 AM	Set PeakFilterThresholdValue = 130.565018199064 for qualifier 167.0 of compound Fluorene; previous value = 110.288840751804			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:54 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:55 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:55 AM	Set PeakFilterThresholdValue = 1585.63409510874 for compound Phenanthrene; previous value = 1603.635			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:55 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:55 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:55 AM	Set PeakFilterThresholdValue = 306.852514100744 for qualifier 176.0 of compound Phenanthrene; previous value = 301.40332592891			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:55 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:55 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:55 AM	Set PeakFilterThresholdValue = 1112.68413948215 for compound Anthracene; previous value = 867.372250000001			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:55 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:55 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:56 AM	Set PeakFilterThresholdValue = 206.725678359216 for qualifier 176.0 of compound Anthracene; previous value = 169.709807311365			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:56 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:56 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:56 AM	Set PeakFilterThresholdValue = 1428.72642080875 for compound Fluoranthene; previous value = 1050.99200000002			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:56 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:56 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:56 AM	Set PeakFilterThresholdValue = 159.176299788773 for qualifier 101.0 of compound Fluoranthene; previous value = 123.648741919562			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:56 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:56 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:56 AM	Set PeakFilterThresholdValue = 1549.05055467683 for compound Pyrene; previous value = 1142.17874999999			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:56 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:56 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:57 AM	Set PeakFilterThresholdValue = 212.712631911264 for qualifier 101.0 of compound Pyrene; previous value = 157.318169621624			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:57 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:57 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:57 AM	Set PeakFilterThresholdValue = 2050.86225374932 for compound Benzo(a)Anthracene; previous value = 1315.98875			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:57 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:57 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:57 AM	Set PeakFilterThresholdValue = 528.706719048736 for qualifier 229.0 of compound Benzo(a)Anthracene; previous value = 368.185465871291			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:57 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:57 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:58 AM	Set PeakFilterThresholdValue = 562.472898461912 for qualifier 226.0 of compound Benzo(a)Anthracene; previous value = 375.256372650933			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:58 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:58 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:58 AM	Set PeakFilterThresholdValue = 1328.86189321481 for compound Chrysene; previous value = 981.061500000002			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:58 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:58 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:58 AM	Set PeakFilterThresholdValue = 396.519725779388 for qualifier 226.0 of compound Chrysene; previous value = 302.451951572295			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:58 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:58 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:58 AM	Set PeakFilterThresholdValue = 282.030417391991 for qualifier 229.0 of compound Chrysene; previous value = 236.066629732305			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:59 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:59 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:59 AM	Set PeakFilterThresholdValue = 727.386447487119 for compound Benzo(b)fluoranthene; previous value = 320.613999999998			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:59 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:59 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:59 AM	Set PeakFilterThresholdValue = 174.185875607349 for qualifier 253.0 of compound Benzo(b)fluoranthene; previous value = 94.1822789620622			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:06:59 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:59 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:59 AM	Set PeakFilterThresholdValue = 974.11888914746 for compound Benzo(k)fluoranthene; previous value = 463.202519565222			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:06:59 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:00 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:00 AM	Set PeakFilterThresholdValue = 234.81138635996 for qualifier 253.0 of compound Benzo(k)fluoranthene; previous value = 116.53898637203			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:00 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:00 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:00 AM	Set PeakFilterThresholdValue = 498.628004886728 for compound Benzo(a)pyrene; previous value = 286.160499999997			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:00 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:00 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:00 AM	Set PeakFilterThresholdValue = 115.748638432174 for qualifier 253.0 of compound Benzo(a)pyrene; previous value = 74.321491770571			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:00 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:00 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:01 AM	Set PeakFilterThresholdValue = 470.01194800927 for compound Indeno(1,2,3-cd)pyrene; previous value = 194.052749999997			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:01 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:01 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:01 AM	Set PeakFilterThresholdValue = 116.961874688262 for qualifier 138.0 of compound Indeno(1,2,3-cd)pyrene; previous value = 57.6367557793			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:01 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:01 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:01 AM	Set PeakFilterThresholdValue = 564.432793162636 for compound Dibenzo(a,h)anthracene; previous value = 187.573000000002			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:01 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:01 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:01 AM	Set PeakFilterThresholdValue = 158.32063872176 for qualifier 279.0 of compound Dibenzo(a,h)anthracene; previous value = 55.472340542456			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:01 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:02 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:02 AM	Set PeakFilterThresholdValue = 110.653634936519 for qualifier 139.0 of compound Dibenzo(a,h)anthracene; previous value = 39.6877453337469			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:02 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:02 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:02 AM	Set PeakFilterThresholdValue = 873.88028923647 for compound Benzo(g,h,i)perylene; previous value = 329.526750000006			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:02 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:02 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:02 AM	Set PeakFilterThresholdValue = 180.127107726955 for qualifier 138.0 of compound Benzo(g,h,i)perylene; previous value = 75.3706171918944			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:02 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:03 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:03 AM	Set PeakFilterThresholdValue = 232.235402160673 for qualifier 277.0 of compound Benzo(g,h,i)perylene; previous value = 85.5067389012477			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:03 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:03 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:03 AM	Set PeakFilterThresholdValue = 156.245000000001 for compound Nitrobenzene-d5; previous value = 48.5754899493244			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:03 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:03 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:03 AM	Set PeakFilterThresholdValue = 52.5286895159744 for qualifier 54.0 of compound Nitrobenzene-d5; previous value = 17.4715955463317			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:03 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:03 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:04 AM	Set PeakFilterThresholdValue = 46.9706667032119 for qualifier 128.0 of compound Nitrobenzene-d5; previous value = 15.7854137341535			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:04 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:04 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:04 AM	Set PeakFilterThresholdValue = 1061.75658809525 for compound 2-Fluorobiphenyl; previous value = 918.802750000009			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:04 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:04 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:04 AM	Set PeakFilterThresholdValue = 388.55351078929 for qualifier 171.0 of compound 2-Fluorobiphenyl; previous value = 323.599543130465			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:04 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:04 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:04 AM	Set PeakFilterThresholdValue = 622.444041410623 for compound Terphenyl-d14; previous value = 451.662000000007			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:04 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:04 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:04 AM	Set PeakFilterThresholdValue = 91.3923767884041 for qualifier 122.0 of compound Terphenyl-d14; previous value = 70.7964941857942			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:05 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:05 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:05 AM	Set PeakFilterThresholdValue = 810.038799700885 for compound o-Terphenyl; previous value = 647.448749999997			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	12/9/2021 8:07:05 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:05 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:05 AM	Set PeakFilterThresholdValue = 554.150197154318 for qualifier 229.0 of compound o-Terphenyl; previous value = 438.719453622054			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:05 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:05 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:05 AM	Set PeakFilterThresholdValue = 336.358275760253 for qualifier 215.0 of compound o-Terphenyl; previous value = 274.662482382415			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	12/9/2021 8:07:06 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdApplyMethodToAllSamples	BL2000\jheine	12/9/2021 8:07:15 AM	Apply method to all samples			✓	
CmdMethodClear	BL2000\jheine	12/9/2021 8:07:15 AM	Clear method			✓	
CmdEndMethodEditing	BL2000\jheine	12/9/2021 8:07:15 AM	End method editing			✓	
CmdQuantitate	BL2000\jheine	12/9/2021 8:07:24 AM	Quantitate all compounds in all samples			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:07:58 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Dec0810.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/9/2021 8:08:07 AM	Manually integrate compound Acenaphthene in sample Dec0810.D, from x, y = 8.050, 701 to 8.113, 78, result = -915; previous integration is from x, y = 8.000, 78 to 8.113, 78 and previous response = 3051.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/9/2021 8:08:10 AM	Drop baseline for compound Acenaphthene in sample Dec0810.D to y = 78, new integration is from x, y = 8.050, 78 to 8.113, 78 and new response = 251; previous integration is from x, y = 8.050, 701 to 8.113, 78 and previous response = -915.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:08:13 AM	Zero out primary peak of compound Acenaphthene in sample Dec0810.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/9/2021 8:08:21 AM	Manually integrate compound Chrysene in sample Dec0810.D, from x, y = 14.826, 383 to 14.913, 58, result = -573; previous integration is from x, y = 14.702, 58 to 14.913, 58 and previous response = 3848.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/9/2021 8:08:24 AM	Manually integrate compound Chrysene in sample Dec0810.D, from x, y = 14.813, 466 to 14.913, 58, result = -866; previous integration is from x, y = 14.826, 383 to 14.913, 58 and previous response = -573.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/9/2021 8:08:26 AM	Drop baseline for compound Chrysene in sample Dec0810.D to y = 58, new integration is from x, y = 14.813, 58 to 14.913, 58 and new response = 353; previous integration is from x, y = 14.813, 466 to 14.913, 58 and previous response = -866.			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:08:28 AM	Zero out primary peak of compound Chrysene in sample Dec0810.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:08:32 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Dec0810.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:08:50 AM	Zero out primary peak of compound Fluorene in sample Dec0811.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:08:54 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Dec0811.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/9/2021 8:09:01 AM	Manually integrate compound Acenaphthene in sample Dec0811.D, from x, y = 8.050, 784 to 8.100, 93, result = -795; previous integration is from x, y = 7.988, 93 to 8.100, 93 and previous response = 3127.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/9/2021 8:09:04 AM	Drop baseline for compound Acenaphthene in sample Dec0811.D to y = 93, new integration is from x, y = 8.050, 93 to 8.100, 93 and new response = 238; previous integration is from x, y = 8.050, 784 to 8.100, 93 and previous response = -795.			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:09:05 AM	Zero out primary peak of compound Acenaphthene in sample Dec0811.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/9/2021 8:09:15 AM	Manually integrate compound Chrysene in sample Dec0811.D, from x, y = 14.813, 295 to 14.876, 375, result = -697; previous integration is from x, y = 14.703, 59 to 14.813, 62 and previous response = 3657.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	12/9/2021 8:09:17 AM	Snap baseline for compound Chrysene in sample Dec0811.D, from x = 14.813 to x = 14.876, new integration is from x, y = 14.813, 151 to 14.876, 88 and new response = 108; previous integration is from x, y = 14.813, 295 to 14.876, 375 and previous response = -697.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/9/2021 8:09:17 AM	Drop baseline for compound Chrysene in sample Dec0811.D to y = 88, new integration is from x, y = 14.813, 88 to 14.876, 88 and new response = 226; previous integration is from x, y = 14.813, 151 to 14.876, 88 and previous response = 108.			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:09:22 AM	Zero out primary peak of compound Chrysene in sample Dec0811.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:09:30 AM	Zero out primary peak of compound o-Terphenyl in sample Dec0811.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/9/2021 8:09:36 AM	Manually integrate compound Anthracene in sample Dec0811.D, from x, y = 9.867, 226 to 9.916, 244, result = -193; previous integration is from x, y = 9.770, 97 to 10.003, 97 and previous response = 1360.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	12/9/2021 8:09:39 AM	Snap baseline for compound Anthracene in sample Dec0811.D, from x = 9.867 to x = 9.916, new integration is from x, y = 9.867, 125 to 9.916, 112 and new response = 153; previous integration is from x, y = 9.867, 226 to 9.916, 244 and previous response = -193.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/9/2021 8:09:40 AM	Drop baseline for compound Anthracene in sample Dec0811.D to y = 112, new integration is from x, y = 9.867, 112 to 9.916, 112 and new response = 172; previous integration is from x, y = 9.867, 125 to 9.916, 112 and previous response = 153.			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:09:41 AM	Zero out primary peak of compound Anthracene in sample Dec0811.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:09:45 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Dec0811.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:10:10 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Dec0812.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/9/2021 8:10:17 AM	Manually integrate compound Acenaphthene in sample Dec0812.D, from x, y = 8.050, 634 to 8.113, 80, result = -796; previous integration is from x, y = 7.990, 80 to 8.113, 80 and previous response = 2756.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/9/2021 8:10:19 AM	Drop baseline for compound Acenaphthene in sample Dec0812.D to y = 80, new integration is from x, y = 8.050, 80 to 8.113, 80 and new response = 239; previous integration is from x, y = 8.050, 634 to 8.113, 80 and previous response = -796.			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:10:21 AM	Zero out primary peak of compound Acenaphthene in sample Dec0812.D			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	12/9/2021 8:10:27 AM	Manually integrate compound Chrysene in sample Dec0812.D, from x, y = 14.814, 395 to 14.876, 395, result = -952; previous integration is from x, y = 14.689, 58 to 14.814, 58 and previous response = 3194.			✓	
CmdManuallyIntegrateS napBaseline	BL2000\jheine	12/9/2021 8:10:29 AM	Snap baseline for compound Chrysene in sample Dec0812.D, from x = 14.814 to x = 14.876, new integration is from x, y = 14.814, 154 to 14.876, 79 and new response = 88; previous integration is from x, y = 14.814, 395 to 14.876, 395 and previous response = -952.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/9/2021 8:10:29 AM	Drop baseline for compound Chrysene in sample Dec0812.D to y = 79, new integration is from x, y = 14.814, 79 to 14.876, 79 and new response = 228; previous integration is from x, y = 14.814, 154 to 14.876, 79 and previous response = 88.			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:10:33 AM	Zero out primary peak of compound Chrysene in sample Dec0812.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:10:38 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Dec0812.D			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	12/9/2021 8:11:04 AM	Manually integrate qualifier152.0 of compound Acenaphthene in sample Dec0813.D from x, y = 8.038, 16452 to 8.113, 24384; result = -51966			✓	
CmdManuallyIntegrateS napBaseline	BL2000\jheine	12/9/2021 8:11:06 AM	Snap baseline for qualifier 152.0 of compound Acenaphthene in sample Dec0813.D from x = 8.038 to x = 8.113, new integration is from x, y = 8.038, 274 to 8.113, 613 and new response = 37638; previous integration is from x, y = 8.038, 16452 to 8.113, 24384 and previous response = -51966.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/9/2021 8:11:06 AM	Drop baseline for qualifier 152.0 of compound Acenaphthene in sample Dec0813.D to y = 274, new integration is from x, y = 8.038, 274 to 8.113, 274 and new response = 38399; previous integration is from x, y = 8.038, 274 to 8.113, 613 and previous response = 37638.			✓	
CmdManuallyIntegrateSplit	BL2000\jheine	12/9/2021 8:11:47 AM	Split qualifier 102.0 of compound Naphthalene in sample Dec0814.D and keep left peak, new integration is from x, y = 5.891, 125.113492063492 to 6.078, 125.113492063492 and new response = 20845, previous integration is from x, y = 5.891, 125 to 6.128, 125 and previous response = 23195.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	12/9/2021 8:12:01 AM	Manually integrate qualifier152.0 of compound Acenaphthene in sample Dec0814.D from x, y = 8.038, 11126 to 8.113, 18778; result = -24028			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	12/9/2021 8:12:03 AM	Snap baseline for qualifier 152.0 of compound Acenaphthene in sample Dec0814.D from x = 8.038 to x = 8.113, new integration is from x, y = 8.038, 264 to 8.113, 599 and new response = 41125; previous integration is from x, y = 8.038, 11126 to 8.113, 18778 and previous response = -24028.			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:12:57 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Dec0815.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/9/2021 8:13:05 AM	Manually integrate compound Acenaphthene in sample Dec0815.D, from x, y = 8.050, 810 to 8.100, 84, result = -893; previous integration is from x, y = 7.994, 84 to 8.100, 84 and previous response = 2736.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/9/2021 8:13:07 AM	Drop baseline for compound Acenaphthene in sample Dec0815.D to y = 84, new integration is from x, y = 8.050, 84 to 8.100, 84 and new response = 193; previous integration is from x, y = 8.050, 810 to 8.100, 84 and previous response = -893.			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:13:08 AM	Zero out primary peak of compound Acenaphthene in sample Dec0815.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:13:13 AM	Zero out primary peak of compound Chrysene in sample Dec0815.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:13:16 AM	Zero out primary peak of compound Anthracene in sample Dec0815.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:13:19 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Dec0815.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:14:38 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Dec0816.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/9/2021 8:14:48 AM	Manually integrate compound Acenaphthene in sample Dec0816.D, from x, y = 8.050, 400 to 8.088, 88, result = -155; previous integration is from x, y = 8.000, 89 to 8.088, 88 and previous response = 2838.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/9/2021 8:14:50 AM	Drop baseline for compound Acenaphthene in sample Dec0816.D to y = 88, new integration is from x, y = 8.050, 88 to 8.088, 88 and new response = 195; previous integration is from x, y = 8.050, 400 to 8.088, 88 and previous response = -155.			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:14:51 AM	Zero out primary peak of compound Acenaphthene in sample Dec0816.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/9/2021 8:14:58 AM	Manually integrate compound Chrysene in sample Dec0816.D, from x, y = 14.813, 441 to 14.901, 57, result = -687; previous integration is from x, y = 14.701, 57 to 14.901, 57 and previous response = 3654.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/9/2021 8:15:00 AM	Drop baseline for compound Chrysene in sample Dec0816.D to y = 57, new integration is from x, y = 14.813, 57 to 14.901, 57 and new response = 317; previous integration is from x, y = 14.813, 441 to 14.901, 57 and previous response = -687.			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:15:02 AM	Zero out primary peak of compound Chrysene in sample Dec0816.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:15:05 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Dec0816.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:15:21 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Dec0817.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:15:27 AM	Zero out primary peak of compound Acenaphthene in sample Dec0817.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:15:31 AM	Zero out primary peak of compound Chrysene in sample Dec0817.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:15:34 AM	Zero out primary peak of compound o-Terphenyl in sample Dec0817.D			✓	
CmdClearManualIntegration	BL2000\jheine	12/9/2021 8:15:38 AM	Clear manual integration of target signal for compound o-Terphenyl in sample Dec0817.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/9/2021 8:15:50 AM	Manually integrate compound Benzo(a)Anthracene in sample Dec0817.D, from x, y = 14.702, 60 to 14.813, 407, result = 1830; previous integration is from x, y = 14.702, 60 to 14.901, 60 and previous response = 3258.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/9/2021 8:15:52 AM	Drop baseline for compound Benzo(a)Anthracene in sample Dec0817.D to y = 60, new integration is from x, y = 14.702, 60 to 14.813, 60 and new response = 2987; previous integration is from x, y = 14.702, 60 to 14.813, 407 and previous response = 1830.			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:15:53 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Dec0817.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:16:13 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Dec0818.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:16:17 AM	Zero out primary peak of compound Acenaphthene in sample Dec0818.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:16:23 AM	Zero out primary peak of compound Chrysene in sample Dec0818.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/9/2021 8:16:28 AM	Manually integrate compound Anthracene in sample Dec0818.D, from x, y = 9.855, 194 to 9.916, 225, result = -185; previous integration is from x, y = 9.768, 90 to 10.015, 90 and previous response = 1285.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	12/9/2021 8:16:30 AM	Snap baseline for compound Anthracene in sample Dec0818.D, from x = 9.855 to x = 9.916, new integration is from x, y = 9.855, 107 to 9.916, 109 and new response = 192; previous integration is from x, y = 9.855, 194 to 9.916, 225 and previous response = -185.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	12/9/2021 8:16:31 AM	Drop baseline for compound Anthracene in sample Dec0818.D to y = 107, new integration is from x, y = 9.855, 107 to 9.916, 107 and new response = 196; previous integration is from x, y = 9.855, 107 to 9.916, 109 and previous response = 192.			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:16:32 AM	Zero out primary peak of compound Anthracene in sample Dec0818.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:16:35 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Dec0818.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:16:51 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Dec0819.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:16:55 AM	Zero out primary peak of compound Acenaphthene in sample Dec0819.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:16:59 AM	Zero out primary peak of compound Chrysene in sample Dec0819.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:17:05 AM	Zero out primary peak of compound Anthracene in sample Dec0819.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:17:06 AM	Zero out primary peak of compound Anthracene in sample Dec0819.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:17:11 AM	Zero out primary peak of compound Fluoranthene in sample Dec0819.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:17:14 AM	Zero out primary peak of compound Pyrene in sample Dec0819.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:17:17 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Dec0819.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/9/2021 8:17:32 AM	Manually integrate compound Benzo(a)pyrene in sample Dec0820.D, from x, y = 18.363, 264 to 18.462, 421, result = -1138; previous integration is from x, y = 18.476, 78 to 18.610, 80 and previous response = 2379.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	12/9/2021 8:17:34 AM	Snap baseline for compound Benzo(a)pyrene in sample Dec0820.D, from x = 18.363 to x = 18.462, new integration is from x, y = 18.363, 68 to 18.462, 76 and new response = 466; previous integration is from x, y = 18.363, 264 to 18.462, 421 and previous response = -1138.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/9/2021 8:17:35 AM	Drop baseline for compound Benzo(a)pyrene in sample Dec0820.D to y = 68, new integration is from x, y = 18.363, 68 to 18.462, 68 and new response = 489; previous integration is from x, y = 18.363, 68 to 18.462, 76 and previous response = 466.			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:17:37 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Dec0820.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	12/9/2021 8:17:46 AM	Manually integrate compound Acenaphthene in sample Dec0820.D, from x, y = 8.050, 601 to 8.113, 82, result = -730; previous integration is from x, y = 8.001, 82 to 8.113, 82 and previous response = 2505.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/9/2021 8:17:48 AM	Drop baseline for compound Acenaphthene in sample Dec0820.D to y = 82, new integration is from x, y = 8.050, 82 to 8.113, 82 and new response = 240; previous integration is from x, y = 8.050, 601 to 8.113, 82 and previous response = -730.			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:17:50 AM	Zero out primary peak of compound Acenaphthene in sample Dec0820.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:17:57 AM	Zero out primary peak of compound Chrysene in sample Dec0820.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:18:03 AM	Zero out primary peak of compound Pyrene in sample Dec0820.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:18:07 AM	Zero out primary peak of compound Fluoranthene in sample Dec0820.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:18:14 AM	Zero out primary peak of compound Dibenzo(a,h)anthracene in sample Dec0820.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:18:22 AM	Zero out primary peak of compound Benzo(b)fluoranthene in sample Dec0820.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:18:30 AM	Zero out primary peak of compound Anthracene in sample Dec0820.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:18:33 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Dec0820.D			✓	
CmdZeroOutPeak	BL2000\jheine	12/9/2021 8:18:39 AM	Zero out primary peak of compound Indeno(1,2,3-cd)pyrene in sample Dec0820.D			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	12/9/2021 8:19:13 AM	Manually integrate qualifier152.0 of compound Acenaphthene in sample Dec0821.D from x, y = 8.038, 13718 to 8.100, 17455; result = -25375			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	12/9/2021 8:19:14 AM	Snap baseline for qualifier 152.0 of compound Acenaphthene in sample Dec0821.D from x = 8.038 to x = 8.100, new integration is from x, y = 8.038, 250 to 8.100, 640 and new response = 31224; previous integration is from x, y = 8.038, 13718 to 8.100, 17455 and previous response = -25375.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/9/2021 8:19:14 AM	Drop baseline for qualifier 152.0 of compound Acenaphthene in sample Dec0821.D to y = 250, new integration is from x, y = 8.038, 250 to 8.100, 250 and new response = 31953; previous integration is from x, y = 8.038, 250 to 8.100, 640 and previous response = 31224.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	12/9/2021 8:19:53 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Dec0822.D, from x, y = 5.966, 831 to 6.040, 145, result = 3190; previous integration is from x, y = 5.928, 105 to 6.040, 145 and previous response = 11285.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	12/9/2021 8:19:55 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Dec0822.D to y = 145, new integration is from x, y = 5.966, 145 to 6.040, 145 and new response = 4723; previous integration is from x, y = 5.966, 831 to 6.040, 145 and previous response = 3190.			✓	
CmdSaveBatchTable	BL2000\jheine	12/9/2021 8:20:36 AM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSaveBatchTable	BL2000\jheine	12/9/2021 8:22:24 AM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin			✓	
CmdOpenBatchTable	BL2000\jheine	12/9/2021 2:21:21 PM	Open batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\120821 bna SIM 1.batch.bin			✓	
CmdQuantitate	BL2000\jheine	12/9/2021 2:22:31 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\jheine	12/9/2021 2:22:39 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin			✓	
GenerateReport	BL2000\jheine	12/9/2021 2:24:18 PM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\Gen_ResultsSummary.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM			✓	
GenerateReport	BL2000\jheine	12/9/2021 2:25:45 PM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\init_cal_rpt.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM			✓	
GenerateReport	BL2000\jheine	12/9/2021 2:28:03 PM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\Gen_Calibration.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM			✓	
GenerateReport	BL2000\jheine	12/9/2021 2:36:11 PM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\Env_QuantResults_wGraphics+Chromatogram.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM			✓	
GenerateReport	BL2000\jheine	12/9/2021 2:43:22 PM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Tests_for_LevelIV\AuditTrail.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\jheine	12/9/2021 2:45:11 PM	Replace level CCV with CC sample Dec0822.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, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5};			✓	
CmdQuantitate	BL2000\jheine	12/9/2021 2:45:21 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\jheine	12/9/2021 2:45:23 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin			✓	
GenerateReport	BL2000\jheine	12/9/2021 2:46:14 PM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Tests_for_LevelIV\CC_mid_SIM.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Error: The value for column 'ExpectedConcentration' in table 'TargetCompound' is DBNull. at Agilent.MassSpectrometry.DataAnalysis.Quantitative.GenerateReport.RunReportMethod(ICompliance compliance, String user, String batchFolder, String batchFile, String method, String outputPath, String applicationType, String cancelEventName, Int16[] samples, Int16[] compounds, String logonXml, Action`1 progress) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.GenerateReport.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)

Name	User	Time	Action	Reason	Comment	Succeed	Exception
GenerateReport	BL2000\jheine	12/9/2021 2:46:35 PM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Tests_for_LevelIV\CC_mid_SIM.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandCancelledException: Generating report(s) was canceled by user. at Agilent.MassSpectrometry.DataAnalysis.Quantitative.GenerateReport.RunReportMethod(ICompliance compliance, String user, String batchFolder, String batchFile, String method, String outputPath, String applicationType, String cancelEventName, Int16[] samples, Int16[] compounds, String logonXml, Action`1 progress) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.GenerateReport.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)
CmdStartMethodEditing	BL2000\jheine	12/9/2021 2:46:48 PM	Start method editing			✓	
CmdImportMethodFromSample	BL2000\jheine	12/9/2021 2:46:49 PM	Import method from sample Dec0822.D			✓	
CmdApplyMethodToAllSamples	BL2000\jheine	12/9/2021 2:46:56 PM	Apply method to all samples			✓	
CmdMethodClear	BL2000\jheine	12/9/2021 2:46:56 PM	Clear method			✓	
CmdEndMethodEditing	BL2000\jheine	12/9/2021 2:46:57 PM	End method editing			✓	
CmdQuantitate	BL2000\jheine	12/9/2021 2:47:06 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\jheine	12/9/2021 2:47:08 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin			✓	
GenerateReport	BL2000\jheine	12/9/2021 2:47:47 PM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Tests_for_LevelIV\AuditTrail.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\			✓	
GenerateReport	BL2000\jheine	12/9/2021 2:48:39 PM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Tests_for_LevelIV\CC_mid_SIM.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdOpenBatchTable	BL2000\jheine	12/17/2021 8:43:02 AM	Open batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\120821 bna SIM 1.batch.bin			✓	
CmdSaveBatchTable	BL2000\jheine	12/17/2021 8:43:07 AM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:12 AM	Set SampleApproved = True for sample Dec0801.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:13 AM	Set SampleApproved = True for sample Dec0802.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:13 AM	Set SampleApproved = True for sample Dec0803.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:14 AM	Set SampleApproved = True for sample Dec0804.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:15 AM	Set SampleApproved = True for sample Dec0805.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:16 AM	Set SampleApproved = True for sample Dec0806.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:17 AM	Set SampleApproved = True for sample Dec0807.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:18 AM	Set SampleApproved = True for sample Dec0808.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:19 AM	Set SampleApproved = True for sample Dec0809.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:20 AM	Set SampleApproved = True for sample Dec0810.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:20 AM	Set SampleApproved = True for sample Dec0811.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:22 AM	Set SampleApproved = True for sample Dec0813.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:24 AM	Set SampleApproved = True for sample Dec0814.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:25 AM	Set SampleApproved = True for sample Dec0812.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:28 AM	Set SampleApproved = True for sample Dec0815.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:30 AM	Set SampleApproved = True for sample Dec0816.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:31 AM	Set SampleApproved = True for sample Dec0817.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:32 AM	Set SampleApproved = True for sample Dec0818.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:33 AM	Set SampleApproved = True for sample Dec0819.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:34 AM	Set SampleApproved = True for sample Dec0821.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:37 AM	Set SampleApproved = True for sample Dec0820.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	12/17/2021 8:43:38 AM	Set SampleApproved = True for sample Dec0822.D; previous value = False			✓	
CmdSaveBatchTable	BL2000\jheine	12/17/2021 8:44:06 AM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\QuantResults\120821 bna SIM 1.batch.bin			✓	
GenerateReport	BL2000\jheine	12/17/2021 8:53:51 AM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\Env_QuantResults_wGraphics+Chromatogram.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM			✓	
CmdOpenBatchTable	BL2000\jheine	12/17/2021 4:22:08 PM	Open batch \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\120821 bna SIM 1.batch.bin			✓	
GenerateReport	BL2000\jheine	12/17/2021 4:24:56 PM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\Gen_Calibration.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\QuantReports\			✓	
GenerateReport	BL2000\jheine	12/17/2021 4:26:13 PM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\init_cal_rpt.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 120821\1 e8270d bna SIM\QuantReports\			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
GenerateReport	BL2000\jheine	12/17/2021 4:28:22 PM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\Gen_ResultsSummary.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\QuantReports\			✓	
GenerateReport	BL2000\jheine	12/17/2021 4:32:10 PM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\Env_QuantResults_wGraphics+Chromatogram.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh120821\1 e8270d bna SIM\QuantReports\			✓	

Energy Laboratories Inc

Spike LOG

Standard ID: SV100506
Standard Name BNA low 50 ug/mL
Date Prepared 6/2/2021
Date Expires: 3/31/2022
Department GCMSSEMI
Vendor:
Lot Number:
Balance ID:

Type: Secondary
BY: John P. Heine
Status: New

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Dichloromethane EA342	13510	0.6	mL	11/17

Final Volume: 0.8 mL

Stock Source		Base Units	Amount Added
sv100418	BNA mix 200 ug/mL	ug/mL	0.2 mL

	Analytes	CAS	Conc:	ug/mL
A	1-Methylnaphthalene	90-12-0		0
A	2,4,6-Trichlorophenol	88-06-2		0
A	2,4-Dichlorophenol	120-83-2		0
A	2,4-Dimethylphenol	105-67-9		0
A	2,4-Dinitrophenol	51-28-5		0
A	2-Chlorophenol	95-57-8		0
A	2-Nitrophenol	88-75-5		0
A	3,3´-Dichlorobenzidine	91-94-1		0
A	4,6-Dinitro-2-methylphenol	534-52-1		0
A	4-Chloro-2-methylphenol	1570-64-5		0
A	4-Chloro-3-methylphenol	59-50-7		0
A	4-Chlorophenol	106-48-9		0
A	4-Nitrophenol	100-02-7		0
A	Acenaphthene	83-32-9		0
A	Acenaphthylene	208-96-8		0
A	Anthracene	120-12-7		0
A	Benzidine	92-87-5		0
A	Benzo(a)anthracene	56-55-3		0
A	Benzo(a)pyrene	50-32-8		0
A	Benzo(b)fluoranthene	205-99-2		0
X	Benzo(e)pyrene	192-97-2		0
A	Benzo(g,h,i)perylene	191-24-2		0
A	Benzo(k)fluoranthene	207-08-9		0
A	Chrysene	218-01-9		0
A	Dibenzo(a,h)anthracene	53-70-3		0
A	Flash Point (Ignitability)			0
A	Fluoranthene	206-44-0		0
A	Fluorene	86-73-7		0
A	Indeno(1,2,3-cd)pyrene	193-39-5		0
A	Naphthalene	91-20-3		0
A	o-Terphenyl	84-15-1		0

Energy Laboratories Inc

Spike LOG

Standard ID:	SV100506		
Standard Name	BNA low 50 ug/mL	Type:	Secondary
Date Prepared	6/2/2021	BY:	John P. Heine
Date Expires:	3/31/2022		
Department	GCMSSEMI	Status:	New
Vendor:			
Lot Number:			
Balance ID:			

Comments:

A	Pentachlorophenol	87-86-5	0
A	Phenanthrene	85-01-8	0
A	Phenol	108-95-2	0
A	Pyrene	129-00-0	0
A	Pyridine	110-86-1	0
A	Triallate	2303-17-5	0

Energy Laboratories Inc

Standard LOG

Standard ID: SV100418
Standard Name BNA mix 200 ug/mL
Date Prepared 6/2/2021
Date Expires: 3/31/2022
Department GCMSSEMI
Vendor:
Lot Number:
Balance ID:

Type: Secondary
BY: John P. Heine
Status: New

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Dichloromethane EA342	13510	0.51	mL	11/17

Final Volume: 1.5 mL

Stock Source		Base Units	Amount Added
sv82908	AE surr	ug/mL	0.03 mL
sv83407	BN Surr 5000 ug/mL	ug/mL	0.06 mL
sv82917	BNA Custom for Cal	ug/mL	0.15 mL
sv83301	PAH Mix	ug/mL	0.15 mL
sv83120	BN mix	ug/mL	0.15 mL
sv83410	H.S. Mix	ug/mL	0.15 mL
sv83201	Phenols mix	ug/mL	0.15 mL
sv83419	Benzidines CAL 2000ug/mL	ug/mL	0.15 mL

	Analytes	CAS	Conc:	ug/mL
A	1-Methylnaphthalene	90-12-0		200
A	2,4,6-Trichlorophenol	88-06-2		200
A	2,4-Dichlorophenol	120-83-2		200
A	2,4-Dimethylphenol	105-67-9		200
A	2,4-Dinitrophenol	51-28-5		200
A	2-Chlorophenol	95-57-8		200
A	2-Nitrophenol	88-75-5		200
A	3,3´-Dichlorobenzidine	91-94-1		200
A	4,6-Dinitro-2-methylphenol	534-52-1		200
A	4-Chloro-2-methylphenol	1570-64-5		200
A	4-Chloro-3-methylphenol	59-50-7		200
A	4-Chlorophenol	106-48-9		200
A	4-Nitrophenol	100-02-7		200
A	Acenaphthene	83-32-9		200
A	Acenaphthylene	208-96-8		0
A	Anthracene	120-12-7		0
A	Benzidine	92-87-5		0
A	Benzo(a)anthracene	56-55-3		0
A	Benzo(a)pyrene	50-32-8		0
A	Benzo(b)fluoranthene	205-99-2		0
X	Benzo(e)pyrene	192-97-2		0
A	Benzo(g,h,i)perylene	191-24-2		0
A	Benzo(k)fluoranthene	207-08-9		0
A	Chrysene	218-01-9		0

Energy Laboratories Inc

Standard LOG

Standard ID:	SV100418		
Standard Name	BNA mix 200 ug/mL	Type:	Secondary
Date Prepared	6/2/2021	BY:	John P. Heine
Date Expires:	3/31/2022		
Department	GCMSSEMI	Status:	New
Vendor:			
Lot Number:			
Balance ID:			

Comments:

A	Dibenzo(a,h)anthracene	53-70-3	0
A	Flash Point (Ignitability)		0
A	Fluoranthene	206-44-0	0
A	Fluorene	86-73-7	0
A	Indeno(1,2,3-cd)pyrene	193-39-5	0
A	Naphthalene	91-20-3	0
A	o-Terphenyl	84-15-1	0
A	Pentachlorophenol	87-86-5	200
A	Phenanthrene	85-01-8	0
A	Phenol	108-95-2	200
A	Pyrene	129-00-0	0
A	Pyridine	110-86-1	0
A	Triallate	2303-17-5	0

Energy Laboratories Inc

Spike LOG

Standard ID: DCMSVOC13
Standard Name DCM
Date Prepared 2/1/2021
Date Expires: 11/17/2022
Department
Vendor:
Lot Number:
Balance ID:

Type: Neat
BY: John P. Heine
Status: New

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Dichloromethane EA342	13510		mL	11/17

Final Volume: mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

ID #: 13510
Opened:
Dichloromethane EA342
Expires: 11/17/2022
Rec'd: 1/26/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Honeywell

CERTIFICATE OF ANALYSIS

Honeywell Burdick & Jackson®
1953 South Harvey Street
Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
lab.honeywell.com

Brand:	Research Chemicals - B&J
Product:	CS299AA-200
Lot No.:	EA342
Production Date:	17-Nov-2020
Best Before:	17-Nov-2022

Dichloromethane, Custom, Contains Amylene Preservative, >99.9%
for pesticide residue analysis

Parameter	Specification Min.	Max.	Result	Units
Water by Karl Fischer Titration		0.010	0.0016	%
UV Cutoff		233	230	nm
Refractive Index (20°C)	1.4236	1.4246	1.4241	
Residue		1	<0.5	mg/L
GC Analysis	99.9		>99.99	%
Acidity (as HCl)		1	<1	mg/L
Chloride		10	<10	mg/L
Electron Capture GC		10	<10	ng/L
Flame Ionization GC		5	<5	ppb
UV Absorbance @ 240 nm		0.100	0.0920	AU
UV Absorbance @ 250 nm		0.010	0.0099	AU
UV Absorbance @ 300 nm		0.005	0.0008	AU
UV Absorbance @ 400 nm		0.005	0.0028	AU

Honeywell
Quality Control Approval

Janna Dickinson

Muskegon 11/17/2020 LIMS Sample No.: AL03611

Energy Laboratories Inc

Standard LOG

Standard ID:	SV83407		
Standard Name	BN Surr 5000 ug/mL	Type:	Primary
Date Prepared	12/14/2020	BY:	John P. Heine
Date Expires:	10/31/2026		
Department	GCMSSEMI	Status:	New
Vendor:	Restek		
Lot Number:	A0166081		
Balance ID:			

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
B/N Surrogate Mix (4/89 SOW)	13328	1	mL	10/31

Final Volume: 5 mL

Stock Source	**Base Units**	**Amount Added**	
Analytes	**CAS**	Conc:	**ug/mL**
S 2-Fluorobiphenyl	321-60-8		5000
S Nitrobenzene-d5	4165-60-0		5000
S Terphenyl-d14	1718-51-0		5000

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 (Lot PR-29940B) **Purity** 99%	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 (Lot 00019169) **Purity** 99%	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 (Lot PR-27278) **Purity** 99%	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)

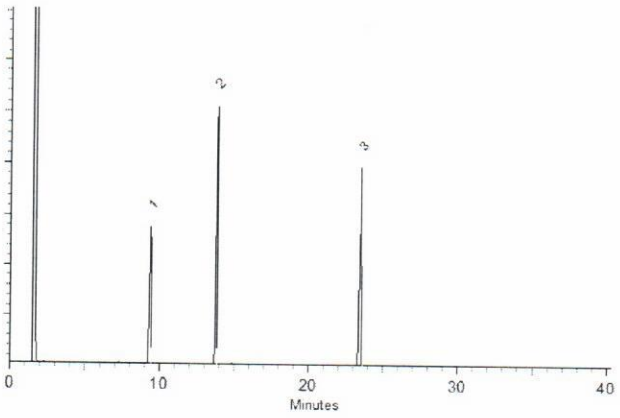
Carrier Gas:
hydrogen-constant pressure 10 psi.

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.

Energy Laboratories Inc

Spike LOG

Standard ID: SV83301
Standard Name PAH Mix
Date Prepared 7/13/2020
Date Expires: 9/30/2022
Department GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC3877
Balance ID:

Type: Primary
BY: John P. Heine

Status: New

Comments: 4 x 1mlL

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
TCL PAH Mix	12846	6	mL	9/30/

Final Volume: 6 mL

	Stock Source	**Base Units**		**Amount Added**
	Analytes	**CAS**	Conc:	**ug/mL**
A	Acenaphthene	83-32-9		2000
A	Acenaphthylene	208-96-8		2000
A	Anthracene	120-12-7		2000
A	Benzo(a)anthracene	56-55-3		2000
A	Benzo(a)pyrene	50-32-8		2000
A	Benzo(b)fluoranthene	205-99-2		2000
X	Benzo(e)pyrene	192-97-2		2000
A	Benzo(g,h,i)perylene	191-24-2		2000
A	Benzo(k)fluoranthene	207-08-9		2000
A	Chrysene	218-01-9		2000
A	Dibenzo(a,h)anthracene	53-70-3		2000
A	Fluoranthene	206-44-0		2000
A	Fluorene	86-73-7		2000
A	Indeno(1,2,3-cd)pyrene	193-39-5		2000
A	Naphthalene	91-20-3		2000
A	Phenanthrene	85-01-8		2000
A	Pyrene	129-00-0		2000

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

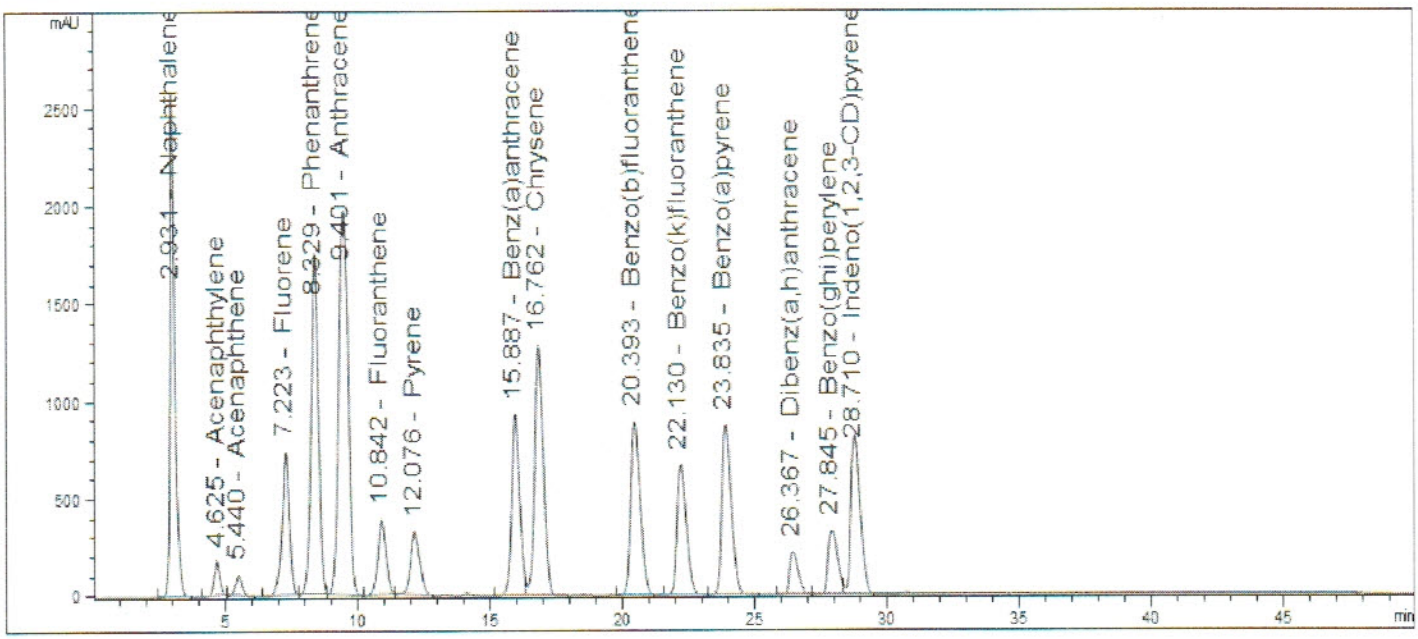
ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

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 LAB CET 1467 TESTING LABORATORY

SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
307-742-5452
rtctechgroup@sial.com www.sigma-aldrich.com

Energy Laboratories Inc

Spike LOG

Standard ID: SV100210
Standard Name BNA 2nd source 200ug/mL
Date Prepared 3/22/2021
Date Expires: 1/15/2022
Department GCMSSEMI
Vendor:
Lot Number:
Balance ID:

Type: Secondary
BY: John P. Heine
Status: New

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Dichloromethane EA342	13510	540	uL	11/17

Final Volume: 1 mL

Stock Source		Base Units	Amount Added
sv82908	AE surr	ug/mL	0.02 mL
sv83407	BN Surr 5000 ug/mL	ug/mL	0.04 mL
sv83408	625 LCS Spk	ug/mL	0.2 mL
sv83409	Additionals	ug/mL	0.1 mL
sv83008	Benzidines	ug/mL	0.1 mL

	Analytes	CAS	Conc:	ug/mL
A	1,2,4-Trichlorobenzene	120-82-1		0
A	1,2-Dichlorobenzene	95-50-1		0
A	1,3-Dichlorobenzene	541-73-1		0
A	1,4-Dichlorobenzene	106-46-7		0
A	2,4,5-Trichlorophenol	95-95-4		0
A	2,4,6-Trichlorophenol	88-06-2		0
A	2,4-Dichlorophenol	120-83-2		0
A	2,4-Dimethylphenol	105-67-9		0
A	2,4-Dinitrophenol	51-28-5		0
A	2,4-Dinitrotoluene	121-14-2		0
A	2,6-Dinitrotoluene	606-20-2		0
A	2-Chloronaphthalene	91-58-7		0
A	2-Chlorophenol	95-57-8		0
A	2-Methylnaphthalene	91-57-6		0
A	2-Nitroaniline	88-74-4		0
A	2-Nitrophenol	88-75-5		0
A	3-Nitroaniline	99-09-2		0
A	4,6-Dinitro-2-methylphenol	534-52-1		0
A	4-Bromophenyl phenyl ether	101-55-3		0
A	4-Chloro-3-methylphenol	59-50-7		0
A	4-Chlorophenyl phenyl ether	7005-72-3		0
A	4-Nitroaniline	100-01-6		0
A	4-Nitrophenol	100-02-7		0
A	Acenaphthene	83-32-9		0
A	Acenaphthylene	208-96-8		0
A	Anthracene	120-12-7		0
A	Azobenzene	103-33-3		0

Energy Laboratories Inc

Spike LOG

Standard ID: SV100210
Standard Name BNA 2nd source 200ug/mL
Date Prepared 3/22/2021
Date Expires: 1/15/2022
Department GCMSSEMI
Vendor:
Lot Number:
Balance ID:

Type: Secondary
BY: John P. Heine
Status: New

Comments:

A	Benzo(a)anthracene	56-55-3	0
A	Benzo(a)pyrene	50-32-8	0
A	Benzo(b)fluoranthene	205-99-2	0
A	Benzo(g,h,i)perylene	191-24-2	0
A	Benzo(k)fluoranthene	207-08-9	0
A	bis(-2-chloroethoxy)Methane	111-91-1	0
A	bis(-2-chloroethyl)Ether	111-44-4	0
A	bis(2-chloroisopropyl)Ether	108-60-1	0
A	bis(2-ethylhexyl)Phthalate	117-81-7	0
A	Butylbenzylphthalate	85-68-7	0
A	Carbazole	86-74-8	0
A	Chrysene	218-01-9	0
A	Di-n-butyl phthalate	84-74-2	0
A	Di-n-octyl phthalate	117-84-0	0
A	Dibenzo(a,h)anthracene	53-70-3	0
A	Dibenzofuran	132-64-9	0
A	Diethyl phthalate	84-66-2	0
A	Dimethyl phthalate	131-11-3	0
A	Fluoranthene	206-44-0	0
A	Fluorene	86-73-7	0
A	Hexachlorobenzene	118-74-1	0
A	Hexachlorobutadiene	87-68-3	0
A	Hexachlorocyclopentadiene	77-47-4	0
A	Hexachloroethane	67-72-1	0
A	Indeno(1,2,3-cd)pyrene	193-39-5	0
A	Isophorone	78-59-1	0
A	m+p-Cresols	108-39-4/106-44-5	0
A	n-Nitroso-di-n-propylamine	621-64-7	0
A	n-Nitrosodimethylamine	62-75-9	0
A	Naphthalene	91-20-3	0
A	Nitrobenzene	98-95-3	0
A	o-Cresol	95-48-7	0
A	p-Chloroaniline	106-47-8	0
A	Pentachlorophenol	87-86-5	0
A	Phenanthrene	85-01-8	0
A	Phenol	108-95-2	0
A	Pyrene	129-00-0	0

Energy Laboratories Inc

Spike LOG

Standard ID: SV83408
Standard Name 625 LCS Spk
Date Prepared 2/9/2021
Date Expires: 2/2/2026
Department GCMSPR
Vendor: Absolute Standard
Lot Number: 050120
Balance ID:

Type: Primary
BY: Ryan F. Benge
Status: Open

Comments: 12x1mL ampules

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
CLP Semi-Volatiel Calibration Standar	13539	1	mL	2/2/2

Final Volume: 1 mL

Stock Source	Base Units	Amount Added	
Analytes	**CAS**	Conc:	**ug/mL**
A 1,2,4-Trichlorobenzene	120-82-1		1000
A 1,2-Dichlorobenzene	95-50-1		1000
A 1,3-Dichlorobenzene	541-73-1		1000
A 1,4-Dichlorobenzene	106-46-7		1000
A 2,4,5-Trichlorophenol	95-95-4		1000
A 2,4,6-Trichlorophenol	88-06-2		1000
A 2,4-Dichlorophenol	120-83-2		1000
A 2,4-Dimethylphenol	105-67-9		1000
A 2,4-Dinitrophenol	51-28-5		1000
A 2,4-Dinitrotoluene	121-14-2		1000
A 2,6-Dinitrotoluene	606-20-2		1000
A 2-Chloronaphthalene	91-58-7		1000
A 2-Chlorophenol	95-57-8		1000
A 2-Methylnaphthalene	91-57-6		1000
A 2-Nitroaniline	88-74-4		1000
A 2-Nitrophenol	88-75-5		1000
A 3-Nitroaniline	99-09-2		1000
A 4,6-Dinitro-2-methylphenol	534-52-1		1000
A 4-Bromophenyl phenyl ether	101-55-3		1000
A 4-Chloro-3-methylphenol	59-50-7		1000
A 4-Chlorophenyl phenyl ether	7005-72-3		1000
A 4-Nitroaniline	100-01-6		1000
A 4-Nitrophenol	100-02-7		1000
A Acenaphthene	83-32-9		1000
A Acenaphthylene	208-96-8		1000
A Anthracene	120-12-7		1000
A Azobenzene	103-33-3		1000
A Benzo(a)anthracene	56-55-3		1000
A Benzo(a)pyrene	50-32-8		1000
A Benzo(b)fluoranthene	205-99-2		1000
A Benzo(g,h,i)perylene	191-24-2		1000
A Benzo(k)fluoranthene	207-08-9		1000

Energy Laboratories Inc

Spike LOG

Standard ID:	SV83408		
Standard Name	625 LCS Spk	Type:	Primary
Date Prepared	2/9/2021	BY:	Ryan F. Benge
Date Expires:	2/2/2026		
Department	GCMSPR	Status:	Open
Vendor:	Absolute Standard		
Lot Number:	050120		
Balance ID:			
Comments:	12x1mL ampules		

A	bis(-2-chloroethoxy)Methane	111-91-1	1000
A	bis(-2-chloroethyl)Ether	111-44-4	1000
A	bis(2-chloroisopropyl)Ether	108-60-1	1000
A	bis(2-ethylhexyl)Phthalate	117-81-7	1000
A	Butylbenzylphthalate	85-68-7	1000
A	Carbazole	86-74-8	1000
A	Chrysene	218-01-9	1000
A	Di-n-butyl phthalate	84-74-2	1000
A	Di-n-octyl phthalate	117-84-0	1000
A	Dibenzo(a,h)anthracene	53-70-3	1000
A	Dibenzofuran	132-64-9	1000
A	Diethyl phthalate	84-66-2	1000
A	Dimethyl phthalate	131-11-3	1000
A	Fluoranthene	206-44-0	1000
A	Fluorene	86-73-7	1000
A	Hexachlorobenzene	118-74-1	1000
A	Hexachlorobutadiene	87-68-3	1000
A	Hexachlorocyclopentadiene	77-47-4	1000
A	Hexachloroethane	67-72-1	1000
A	Indeno(1,2,3-cd)pyrene	193-39-5	1000
A	Isophorone	78-59-1	1000
A	m+p-Cresols	108-39-4/106-44-5	1000
A	n-Nitroso-di-n-propylamine	621-64-7	1000
A	n-Nitrosodimethylamine	62-75-9	1000
A	Naphthalene	91-20-3	1000
A	Nitrobenzene	98-95-3	1000
A	o-Cresol	95-48-7	1000
A	p-Chloroaniline	106-47-8	1000
A	Pentachlorophenol	87-86-5	1000
A	Phenanthrene	85-01-8	1000
A	Phenol	108-95-2	1000
A	Pyrene	129-00-0	1000

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

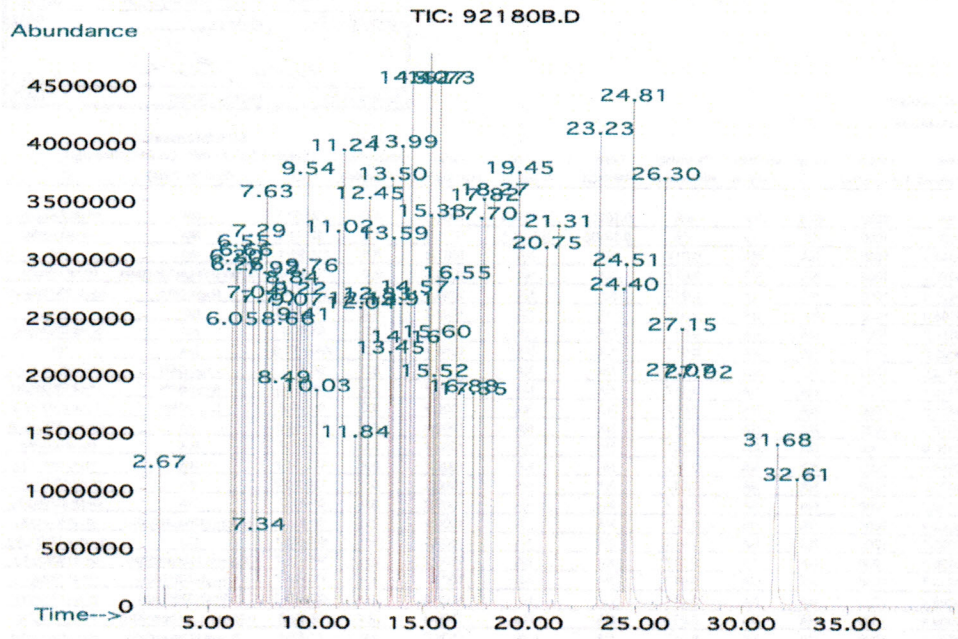
Formulated By:	Eli Aliaga	020221 DATE
Reviewed By:	Pedro L. Rentas	020221 DATE

	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	orl-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	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 #: 13539
Opened:_____
CLP Semi-Volatiel Calibration Standard
Expires: 2/2/2026
Rec'd: 2/5/2021
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	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/Dibenz(a,h)anthracene	31.68
60	Benzo(g,h,i)perylene	32.61

Energy Laboratories Inc

Standard LOG

Standard ID:	SV83407		
Standard Name	BN Surr 5000 ug/mL	Type:	Primary
Date Prepared	12/14/2020	BY:	John P. Heine
Date Expires:	10/31/2026		
Department	GCMSSEMI	Status:	New
Vendor:	Restek		
Lot Number:	A0166081		
Balance ID:			

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
B/N Surrogate Mix (4/89 SOW)	13328	1	mL	10/31

Final Volume: 5 mL

Stock Source	**Base Units**	**Amount Added**	
Analytes	**CAS**	Conc:	**ug/mL**
S 2-Fluorobiphenyl	321-60-8		5000
S Nitrobenzene-d5	4165-60-0		5000
S Terphenyl-d14	1718-51-0		5000

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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 (Lot PR-29940B) **Purity** 99%	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 (Lot 00019169) **Purity** 99%	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 (Lot PR-27278) **Purity** 99%	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)

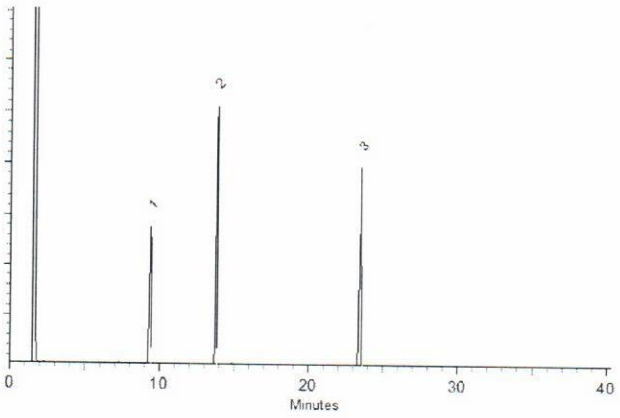
Carrier Gas:
hydrogen-constant pressure 10 psi.

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.

Energy Laboratories Inc

Spike LOG

Standard ID: DCMSVOC13
Standard Name DCM
Date Prepared 2/1/2021
Date Expires: 11/17/2022
Department
Vendor:
Lot Number:
Balance ID:

Type: Neat
BY: John P. Heine
Status: New

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Dichloromethane EA342	13510		mL	11/17

Final Volume: mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

ID #: 13510
Opened:
Dichloromethane EA342
Expires: 11/17/2022
Rec'd: 1/26/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Honeywell

CERTIFICATE OF ANALYSIS

Honeywell Burdick & Jackson®
1953 South Harvey Street
Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
lab.honeywell.com

Brand:	Research Chemicals - B&J
Product:	CS299AA-200
Lot No.:	EA342
Production Date:	17-Nov-2020
Best Before:	17-Nov-2022

Dichloromethane, Custom, Contains Amylene Preservative, >99.9%
for pesticide residue analysis

Parameter	Specification Min.	Max.	Result	Units
Water by Karl Fischer Titration		0.010	0.0016	%
UV Cutoff		233	230	nm
Refractive Index (20°C)	1.4236	1.4246	1.4241	
Residue		1	<0.5	mg/L
GC Analysis	99.9		>99.99	%
Acidity (as HCl)		1	<1	mg/L
Chloride		10	<10	mg/L
Electron Capture GC		10	<10	ng/L
Flame Ionization GC		5	<5	ppb
UV Absorbance @ 240 nm		0.100	0.0920	AU
UV Absorbance @ 250 nm		0.010	0.0099	AU
UV Absorbance @ 300 nm		0.005	0.0008	AU
UV Absorbance @ 400 nm		0.005	0.0028	AU

Honeywell
Quality Control Approval

Janna Dickinson

Muskegon 11/17/2020 LIMS Sample No.: AL03611

Energy Laboratories Inc

Spike LOG

Standard ID: SV83311
Standard Name DFTPP 1000 ug/mL
Date Prepared 9/28/2020
Date Expires: 10/31/2022
Department GCMSSEMI
Vendor: Agilent
Lot Number: 0006559405
Balance ID:

Type: Primary
BY: John P. Heine
Status: New

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Semi-Volatiles GC/MS Tuning Standar	13121		mL	10/31

Final Volume: mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

Agilent

Certificate of Analysis

Product Name: Semi-Volatiles GC/MS Tuning Standard

Product Number: GCM-150-1 **Lot Issue Date:** 16-Sep-2020

Lot Number: 0006559405 **Expiration Date:** 31-Oct-2022

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
decafluorotriphenylphosphine	005074-71-5	RM15327	1003 ± 5 µg/mL
benzidine	000092-87-5	RM10200	1003 ± 5 µg/mL
pentachlorophenol	000087-86-5	RM02474	1003 ± 5 µg/mL
4,4'-DDT	000050-29-3	RM00618	1003 ± 5 µg/mL

Matrix: methylene chloride (purified)

Storage Conditions: Store Frozen (-25° to -10°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.

ID #: 13121
Opened:_____
Semi-Volatiles GC/MS Tuning Standard
Expires: 10/31/2022
Rec'd: 9/28/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

ANAB ACCREDITED ISO17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 2
www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

Certificate of Analysis

Product Number: GCM-150-1 **Lot Number:** 0006559405

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 ISO 17034 REFERENCE MATERIAL PRODUCER

ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 2 of 2

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

ISO 17025 Cert
No. AT-1937

Energy Laboratories Inc

Spike LOG

Standard ID:	SV100516		
Standard Name	BNA Internals 2000 ug/mL	Type:	Secondary
Date Prepared	7/25/2021	BY:	John P. Heine
Date Expires:	6/30/2023		
Department	GCMSSEMI	Status:	New
Vendor:	Chemservice		
Lot Number:	8443500		
Balance ID:			

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Dichloromethane EA342	13510	1.06	mL	11/17

Final Volume: 2.12 mL

Stock Source		**Base Units**	**Amount Added**
sv83506	BNA Internals 4000 ug/mL	ug/mL	1.06 mL

Analytes	**CAS**	Conc:	**ug/mL**

Energy Laboratories Inc

Standard LOG

Standard ID:	SV83506		
Standard Name	BNA Internals 4000 ug/mL	Type:	Secondary
Date Prepared	6/18/2021	BY:	John P. Heine
Date Expires:	6/30/2023		
Department	GCMSSEMI	Status:	New
Vendor:	Chemservice		
Lot Number:	8443500		
Balance ID:			

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Mixture #8-Internal Standards	13968	8	mL	6/30/

Final Volume: 8 mL

Stock Source	**Base Units**	**Amount Added**
Analytes	**CAS**	Conc: **ug/mL**

John

CHEM SERVICE INC

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

CERTIFICATE OF ANALYSIS

Mixture #8-Internal Standards

CONCENTRATION	4000ug/ml in Methylene chloride
CATALOG NUMBER	M-PPHC8X12-1ML
LOT NUMBER	11925100
DATE CERTIFIED	06/09/21
EXPIRATION DATE	06/30/23
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	804.000	00026778	99.5	3999.9
N-11467	Chrysene-d12	1719-03-5	809.700	00025144	99.5	4028.3
N-10217	1,4-Dichlorobenzene-d4	3855-82-1	804.000	00027328	99.5	3999.9
N-12645	Naphthalene-d8	1146-65-2	807.500	00029881	99.3	4009.2
N-12851	Perylene-d12	1520-96-3	805.100	00024295	99.5	4005.4
N-12856	Phenanthrene-d10	1517-22-2	808.700	00027331	99.0	4003.1

Analytical Test	Value
CONCENTRATION (GC/FID)	VERIFIED

ID #: 13968
Opened:
Mixture #8-Internal Standards
Expires: 6/30/2023
Rec'd: 6/18/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

COA Form
Revision 3 (3/2015)

PJLA Testing
Accreditation #63520

Print Date: 06/14/21

CHEM SERVICE INC

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

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

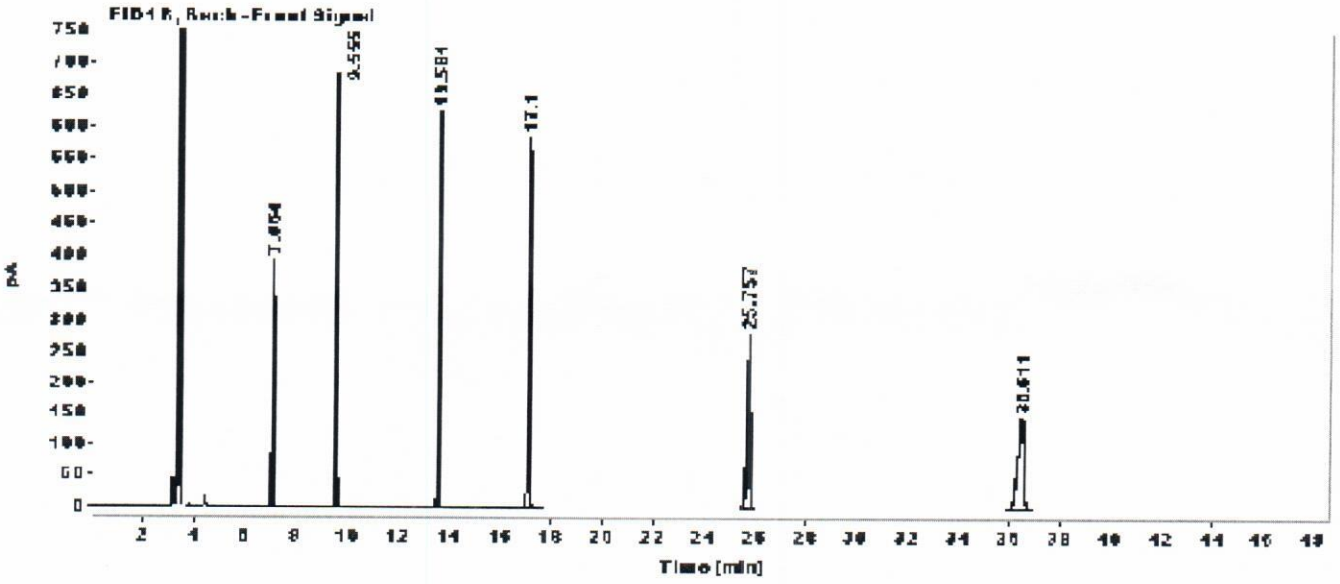
PJLA
Testing
Accreditation #63520

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

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file:	C:\CHEM32\1\DATA\2021 DATA\0621\M-PPHC8X12.D		
Sample name:	M-PPHC8X12		
Acq. method:	SCREEN-BACK.M		
Instrument:	GC3	**Location:**	201
Injection date:	6/9/2021 11:56:12 AM	**Injection Vol:**	1.000
Column name:	RTx-5MS (30m x 0.25mm x 0.5µm)	**# Of Injections:**	1



Signal: FID1 B, Back - Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
7.064	BB	0.0442	1119.2875	393.3396	8.4245
9.555	BV R	0.0512	2239.5649	684.7053	16.8565
13.581	BB	0.0598	2394.9761	624.3607	18.0262
17.100	BB	0.0685	2531.9221	584.9907	19.0569
25.757	BB	0.1314	2450.2429	284.7773	18.4422
36.511	BB	0.2375	2550.0964	149.1623	19.1937
		Sum	13286.0900		

PJLA Testing

Energy Laboratories Inc

Spike LOG

Standard ID: DCMSVOC13
Standard Name DCM
Date Prepared 2/1/2021
Date Expires: 11/17/2022
Department
Vendor:
Lot Number:
Balance ID:

Type: Neat
BY: John P. Heine
Status: New

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Dichloromethane EA342	13510		mL	11/17

Final Volume: mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

ID #: 13510
Opened:
Dichloromethane EA342
Expires: 11/17/2022
Rec'd: 1/26/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Honeywell

CERTIFICATE OF ANALYSIS

Honeywell Burdick & Jackson®
1953 South Harvey Street
Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
lab.honeywell.com

Brand:	Research Chemicals - B&J
Product:	CS299AA-200
Lot No.:	EA342
Production Date:	17-Nov-2020
Best Before:	17-Nov-2022

Dichloromethane, Custom, Contains Amylene Preservative, >99.9%
for pesticide residue analysis

Parameter	Specification Min.	Max.	Result	Units
Water by Karl Fischer Titration		0.010	0.0016	%
UV Cutoff		233	230	nm
Refractive Index (20°C)	1.4236	1.4246	1.4241	
Residue		1	<0.5	mg/L
GC Analysis	99.9		>99.99	%
Acidity (as HCl)		1	<1	mg/L
Chloride		10	<10	mg/L
Electron Capture GC		10	<10	ng/L
Flame Ionization GC		5	<5	ppb
UV Absorbance @ 240 nm		0.100	0.0920	AU
UV Absorbance @ 250 nm		0.010	0.0099	AU
UV Absorbance @ 300 nm		0.005	0.0008	AU
UV Absorbance @ 400 nm		0.005	0.0028	AU

Honeywell
Quality Control Approval

Janna Dickinson

Muskegon 11/17/2020 LIMS Sample No.: AL03611

Energy Laboratories Inc

Spike LOG

Standard ID: SV92614
Standard Name LCS/Add Extractions
Date Prepared 11/29/2021
Date Expires: 9/24/2022
Department GCMSPR
Vendor:
Lot Number:
Balance ID:

Type: Secondary
BY: Ryan F. Benge
Status: New

Comments: 100ug/mL. Spike 1mL into water.

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Acetone DZ963	13755	21.25	mL	9/24/

Final Volume: 25 mL

Stock Source		Base Units	Amount Added
sv83608	625 LCS	ug/mL	2.5 mL
sv83514	Additionals	ug/mL	1.25 mL

	Analytes	CAS	Conc:	ug/mL
X	1,1´-Biphenyl	92-52-4		0
A	1,2,4,5-Tetrachlorobenzene	95-94-3		0
A	1,2,4-Trichlorobenzene	120-82-1		0
A	1,2-Dichlorobenzene	95-50-1		0
A	1,2-Dintrobenzene	528-29-0		0
A	1,2-Diphenylhydrazine as Azobenzene	103-33-3		0
A	1,3,5-Trinitrobenzene	99-35-4		0
A	1,3-Dichlorobenzene	541-73-1		0
A	1,3-Dinitrobenzene	99-65-0		0
A	1,4-Benzenediamine	106-50-3		0
A	1,4-Dichlorobenzene	106-46-7		0
I	1,4-Dichlorobenzene-d4	3855-82-1		0
X	1,4-Dimethylnaphthalene (DMN)	571-58-4		0
A	1,4-Dinitrobenzene	100-25-4		0
A	1,4-Naphthoquinoline,1-oxide	56-57-5		0
A	1,4-Naphthoquinone	130-15-4		0
A	1-Acetyl-2-thiourea	591-08-2		0
A	1-Methyl-2-pyrrolidinone	872-50-4		0
A	1-Methylnaphthalene	90-12-0		0
A	1-Naphthylamine	134-32-7		0
x	127, % of mass 198			0
X	197, % of mass 198			0
X	198, Base Peak			0
X	199, % of mass 198			0
X	2,3,4,5-Tetrachlorophenol	4901-51-3		0
A	2,3,4,6-Tetrachlorophenol	58-90-2		0
X	2,3,4-Trichlorophenol	15950-66-0		0
X	2,3,5,6-Tetrachlorophenol	935-95-5		0
X	2,3-Dibromopropylphosphate	126-72-7		0
X	2,3-Dichloroaniline	608-27-5		0

Energy Laboratories Inc

Spike LOG

Standard ID:	SV92614		
Standard Name	LCS/Add Extractions	Type:	Secondary
Date Prepared	11/29/2021	BY:	Ryan F. Benge
Date Expires:	9/24/2022		
Department	GCMSPR	Status:	New
Vendor:			
Lot Number:			
Balance ID:			

Comments: 100ug/mL. Spike 1mL into water.

A	2,3-Dimethylphenol	526-75-0	0
A	2,4,5-Trichlorophenol	95-95-4	0
A	2,4,5-Trimethylaniline	137-17-7	0
S	2,4,6-Tribromophenol	118-79-6	0
A	2,4,6-Trichlorophenol	88-06-2	0
A	2,4-Diaminotoluene	95-80-7	0
X	2,4-Dichloroanisole	553-82-2	0
A	2,4-Dichlorophenol	120-83-2	0
X	2,4-Dichlorophenoxyacetic acid butoxyeth	1929-73-3	0
A	2,4-Dimethylphenol	105-67-9	0
A	2,4-Dinitrophenol	51-28-5	0
A	2,4-Dinitrotoluene	121-14-2	0
A	2,6-Diaminotoluene	823-40-5	0
A	2,6-Dichlorophenol	87-65-0	0
X	2,6-Diisopropylnaphthalene	24157-81-1	0
X	2,6-Dimethylnaphthalene	581-42-0	0
A	2,6-Dimethylphenol	576-26-1	0
A	2,6-Dinitrotoluene	606-20-2	0
A	2-Acetylaminofluorene	53-96-3	0
A	2-Aminoanthraquinone	117-79-3	0
A	2-Chloronaphthalene	91-58-7	0
A	2-Chlorophenol	95-57-8	0
A	2-Cyclohexyl-4-6-dinitrophenol	131-89-5	0
A	2-Ethyl hexanol	104-76-7	0
A	2-Ethylhexanoic Acid	149-57-5	0
X	2-Ethylnaphthalene	939-27-5	0
S	2-Fluorobiphenyl	321-60-8	0
S	2-Fluorophenol	367-12-4	0
A	2-Methylnaphthalene	91-57-6	0
A	2-Naphthylamine	91-59-8	0
A	2-Nitroaniline	88-74-4	0
A	2-Nitrophenol	88-75-5	0
A	2-Picoline	109-06-8	0
A	2-Secbutyl-4,6-dinitrophenol	88-85-7	0
X	275, % of mass 198		0
A	3,3´-Dichlorobenzidine	91-94-1	0
X	3,3´-Dimethoxybenzidine	119-90-4	0

Energy Laboratories Inc

Spike LOG

Standard ID:	SV92614		
Standard Name	LCS/Add Extractions	Type:	Secondary
Date Prepared	11/29/2021	BY:	Ryan F. Benge
Date Expires:	9/24/2022		
Department	GCMSPR	Status:	New
Vendor:			
Lot Number:			
Balance ID:			

Comments: 100ug/mL. Spike 1mL into water.

A	3,3´-Dimethylbenzidine	119-93-7	0
A	3,4-Dimethylphenol	95-65-8	0
A	3,5-Dimethylphenol	108-68-9	0
A	3-(Chloromethyl)pyridine hydrochloride	6959-48-4	0
A	3-Methylcholanthrene	56-49-5	0
A	3-Methylphenol	108-39-4	0
A	3-Nitroaniline	99-09-2	0
X	365, % of mass 198		0
X	4,4-Dibromooctafluorobiphenyl	10386-84-2	0
A	4,4´-Methylenebis(2-chloroaniline)	101-14-4	0
A	4,4´-Oxydianiline	101-80-4	0
A	4,6-Dinitro-2-methylphenol	534-52-1	0
A	4-Aminobiphenyl	92-67-1	0
A	4-Bromophenyl phenyl ether	101-55-3	0
A	4-Chloro-2-methylphenol	1570-64-5	0
A	4-Chloro-3-methylphenol	59-50-7	0
X	4-Chloroaniline	106-47-8	0
A	4-Chlorophenol	106-48-9	0
A	4-Chlorophenyl phenyl ether	7005-72-3	0
A	4-Methylphenol	106-44-5	0
A	4-Nitroaniline	100-01-6	0
A	4-Nitrobiphenyl	92-93-3	0
A	4-Nitrophenol	100-02-7	0
A	4-Nitroquinoline-n-oxide	56-57-5	0
X	441, % of mass 443		0
X	442, % of mass 198		0
X	443, % of mass 442		0
A	5,5-Diphenylhydantoin	57-41-0	0
A	5-Nitro-o-anisidine	99-59-2	0
A	5-Nitro-o-toluidine	99-55-8	0
A	5-Nitroacenapthene	602-87-9	0
X	51, % of mass 198		0
A	6-methylchrysene	1705-85-7	0
X	68, % of mass 69		0
X	69, % Relative Abundance		0
A	7,12-Dimethylbenz(a)anthracene	57-97-6	0
X	70, % of mass 69		0

Energy Laboratories Inc

Spike LOG

Standard ID:	SV92614		
Standard Name	LCS/Add Extractions	Type:	Secondary
Date Prepared	11/29/2021	BY:	Ryan F. Benge
Date Expires:	9/24/2022		
Department	GCMSPR	Status:	New
Vendor:			
Lot Number:			
Balance ID:			

Comments: 100ug/mL. Spike 1mL into water.

A	a,a-Dimethylphenethylamine	122-09-8	0
A	Acenaphthene	83-32-9	0
I	Acenaphthene-d10	15067-26-2	0
A	Acenaphthylene	208-96-8	0
A	Acetophenone	98-86-2	0
X	Alachlor	15972-60-8	0
X	Aldrin	309-00-2	0
A	alpha-Pinene	7785-26-4	0
X	alpha-Terpineol	10482-56-1	0
A	Anilazine	101-05-3	0
A	Aniline	62-53-3	0
A	Anthracene	120-12-7	0
A	Aramite	140-57-8	0
X	Aramite 1	140-57-8	0
X	Aramite 2	140-57-8	0
X	Atrazine	1912-24-9	0
A	Azinphos methyl	86-50-0	0
A	Azobenzene	103-33-3	0
A	Barban	101-27-9	0
X	Benzaldehyde	100-52-7	0
A	Benzidine	92-87-5	0
A	Benzo(a)anthracene	56-55-3	0
A	Benzo(a)pyrene	50-32-8	0
A	Benzo(b)fluoranthene	205-99-2	0
X	Benzo(e)pyrene	192-97-2	0
A	Benzo(g,h,i)perylene	191-24-2	0
A	Benzo(j)fluoranthene	205-82-3	0
A	Benzo(k)fluoranthene	207-08-9	0
A	Benzoic acid	65-85-0	0
A	Benzyl alcohol	100-51-6	0
A	beta-Pinene	18172-67-3	0
A	Biphenyl	92-52-4	0
A	Biphenyl oxide	101-84-8	0
A	bis(-2-chloroethoxy)Methane	111-91-1	0
A	bis(-2-chloroethyl)Ether	111-44-4	0
A	bis(2-chloroisopropyl)Ether	108-60-1	0
X	bis(2-ethylhexyl)Adipate	103-23-01	0

Energy Laboratories Inc

Spike LOG

Standard ID:	SV92614		
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Date Prepared	11/29/2021	BY:	Ryan F. Benge
Date Expires:	9/24/2022		
Department	GCMSPR	Status:	New
Vendor:			
Lot Number:			
Balance ID:			

Comments: 100ug/mL. Spike 1mL into water.

A	bis(2-ethylhexyl)Phthalate	117-81-7	0
A	Bromoxynil octanoate	1689-99-2	0
A	Butyl Carbitol	112-34-5	0
A	Butylbenzylphthalate	85-68-7	0
X	Caprolactam	105-60-2	0
A	Captafol	2425-06-1	0
A	Captan	133-06-2	0
A	Carbaryl	63-25-2	0
A	Carbazole	86-74-8	0
A	Carbofuran	1563-66-2	0
A	Carbophenothion	786-19-6	0
A	Chlorfenvinphos	470-90-6	0
A	Chlorobenzilate	510-15-6	0
X	Chlorpropham (CIPC)	101-21-3	0
A	Chrysene	218-01-9	0
I	Chrysene-d12	1719-03-5	0
A	Coumaphos	56-72-4	0
M	Cresols, Total	1319-77-3	0
A	Crotoxyphos	7700-17-6	0
S	DCAA	19719-28-9	0
X	Decachlorobiphenyl	2051-24-3	0
X	Decyl Alcohol	112-30-1	0
A	Demeton-O	8065-48-3	0
A	Demeton-S	126-75-0	0
A	Di-n-butyl phthalate	84-74-2	0
A	Di-n-octyl phthalate	117-84-0	0
A	Diallate	2303-16-4	0
X	Diallate #1	2303-16-4	0
X	Diallate #2	2303-16-4	0
A	Dibenz(a,h)acridine	226-36-8	0
A	Dibenz(a,j)acridine	224-42-0	0
A	Dibenzo(a,e)pyrene	192-65-4	0
A	Dibenzo(a,h)anthracene	53-70-3	0
A	Dibenzofuran	132-64-9	0
A	Dichlone	117-80-6	0
A	Dichlorovos	62-73-7	0
A	Dicrotophos	141-66-2	0

Energy Laboratories Inc

Spike LOG

Standard ID:	SV92614		
Standard Name	LCS/Add Extractions	Type:	Secondary
Date Prepared	11/29/2021	BY:	Ryan F. Benge
Date Expires:	9/24/2022		
Department	GCMSPR	Status:	New
Vendor:			
Lot Number:			
Balance ID:			

Comments: 100ug/mL. Spike 1mL into water.

A	Diethyl phthalate	84-66-2	0
A	Diethyl sulfate	64-67-5	0
A	Diethylstilbestrol	56-53-1	0
A	Dimethoate	60-51-5	0
A	Dimethyl phthalate	131-11-3	0
A	Dinocap	39300-45-3	0
A	Dinoseb	88-85-7	0
A	Diphenylamine	122-39-4	0
A	Diphenylhydrazine	530-50-7	0
A	Disulfoton	298-04-4	0
A	EPN	2104-64-5	0
X	Ethanol	64-17-5	0
A	Ethion	563-12-2	0
A	Ethyl carbamate	51-79-6	0
A	Ethyl methanesulfonate	62-50-0	0
X	Eugenol	97-53-0	0
A	Famphur	52-85-7	0
A	Fensulfothion	115-90-2	0
A	Fenthion	55-38-9	0
A	Fluchloralin	33245-39-5	0
A	Fluoranthene	206-44-0	0
A	Fluorene	86-73-7	0
A	Hexachlorobenzene	118-74-1	0
A	Hexachlorobutadiene	87-68-3	0
A	Hexachlorocyclopentadiene	77-47-4	0
A	Hexachloroethane	67-72-1	0
A	Hexachlorophene	70-30-4	0
A	Hexachloropropene	1888-71-7	0
A	Hexadecanoic Acid	57-10-3	0
A	Hexamethylphosphoramide	680-31-9	0
A	Hydroquinone	123-31-9	0
A	Indene	95-13-6	0
A	Indeno(1,2,3-cd)pyrene	193-39-5	0
A	Isodrin	465-73-6	0
A	Isophorone	78-59-1	0
X	Isopropanol	67-63-0	0
A	Isosafrole	120-58-1	0

Energy Laboratories Inc

Spike LOG

Standard ID:	SV92614		
Standard Name	LCS/Add Extractions	Type:	Secondary
Date Prepared	11/29/2021	BY:	Ryan F. Benge
Date Expires:	9/24/2022		
Department	GCMSPR	Status:	New
Vendor:			
Lot Number:			
Balance ID:			

Comments: 100ug/mL. Spike 1mL into water.

A	Kepone	143-50-0	0
A	Leptophos	21609-90-5	0
A	m+p-Cresols	108-39-4/106-44-5	0
A	Malathion	121-75-5	0
A	Maleic anhydride	108-31-6	0
A	MCPA	94-74-6	0
A	MCPP	93-65-2	0
A	Mestranol	72-33-3	0
A	Methapyrilene	91-80-5	0
A	Methoxychlor	72-43-5	0
A	Methyl methanesulfonate	66-27-3	0
A	Methyl parathion	298-00-0	0
X	Methyl tert-butyl ether (MTBE)	1634-04-4	0
X	Methylene Dithiocyanate	6317-18-6	0
A	Mevinphos	7768-34-7	0
A	Mexacarbate	315-18-4	0
A	Mirex	2385-85-5	0
A	Monocrotophos	6923-22-4	0
A	n-Decane	124-18-5	0
A	n-Nitroso-di-n-butylamine	924-16-3	0
A	n-Nitroso-di-n-propylamine	621-64-7	0
A	n-Nitrosodiethylamine	55-18-5	0
A	n-Nitrosodimethylamine	62-75-9	0
A	n-Nitrosodiphenylamine	86-30-6	0
A	n-Nitrosomethylethylamine	10595-95-6	0
A	n-Nitrosomorpholine	59-89-2	0
A	n-Nitrosopiperidine	100-75-4	0
A	n-Nitrosopyrrolidine	930-55-2	0
A	n-Octadecane	593-45-3	0
A	Naled	300-76-5	0
A	Naphthalene	91-20-3	0
I	Naphthalene-d8	1146-65-2	0
A	Nicotine	54-11-5	0
A	Nitrobenzene	98-95-3	0
S	Nitrobenzene-d5	4165-60-0	0
A	Nitrofen	1836-75-5	0
A	o,o,o-Triethyl phosphorothioate	126-68-1	0

Energy Laboratories Inc

Spike LOG

Standard ID:	SV92614		
Standard Name	LCS/Add Extractions	Type:	Secondary
Date Prepared	11/29/2021	BY:	Ryan F. Benge
Date Expires:	9/24/2022		
Department	GCMSPR	Status:	New
Vendor:			
Lot Number:			
Balance ID:			

Comments: 100ug/mL. Spike 1mL into water.

A	o-Anisidine	90-04-0	0
A	o-Cresol	95-48-7	0
A	o-Terphenyl	84-15-1	0
A	o-Toluidine	95-53-4	0
X	Octamethylpyrophosphoramide	152-16-9	0
A	p-(dimethylamino)Azobenzene	60-11-7	0
A	p-Aminoazobenzene	60-09-3	0
A	p-Benzoquinone	106-51-4	0
A	p-Chloroaniline	106-47-8	0
A	p-Cresidine	120-71-8	0
A	p-Phenylenediamine	106-50-3	0
A	p-Toluidine	106-49-0	0
X	PAHs, Total		0
A	Parathion	56-38-2	0
A	Pentachlorobenzene	608-93-5	0
A	Pentachloronitrobenzene	82-68-8	0
A	Pentachlorophenol	87-86-5	0
I	Perylene-d12	1520-96-3	0
A	Phenacetin	62-44-2	0
A	Phenanthrene	85-01-8	0
I	Phenanthrene-d10	1517-22-2	0
A	Phenobarbital	50-06-6	0
A	Phenol	108-95-2	0
S	Phenol-d5	4165-62-2	0
M	Phenols, Total		0
A	Phorate	298-02-2	0
A	Phosalone	2310-17-0	0
A	Phosmet	732-11-6	0
A	Phosphamidon	13171-21-6	0
A	Phthalic anhydride	85-44-9	0
A	Piperonyl sulfoxide	120-62-7	0
A	Pronamide	23950-58-5	0
A	Propythiouracil	51-52-5	0
A	Pyrene	129-00-0	0
A	Pyridine	110-86-1	0
A	Quinoline	91-22-5	0
A	Resorcinol	108-46-3	0

Energy Laboratories Inc

Spike LOG

Standard ID:	SV92614		
Standard Name	LCS/Add Extractions	Type:	Secondary
Date Prepared	11/29/2021	BY:	Ryan F. Benge
Date Expires:	9/24/2022		
Department	GCMSPR	Status:	New
Vendor:			
Lot Number:			
Balance ID:			

Comments: 100ug/mL. Spike 1mL into water.

A	Safrole	94-59-7	0
A	Strychnine	57-24-9	0
A	Sulfallate	95-06-7	0
A	Sulfotep	3689-24-5	0
A	Sym-Trinitrobenzene	99-35-4	0
A	Terbufos	13071-79-9	0
S	Terphenyl-d14	98904-43-9	0
A	Tetrachlorvinphos	22248-79-9	0
A	Tetraethyl pyrophosphate	107-49-3	0
A	Tetraethyllead	78-00-2	0
A	Thionazin	297-97-2	0
A	Thiophenol	108-98-5	0
A	Toluene 2,4-diisocyanate	584-84-9	0
A	Tri-p-tolyl phosphate(h)	78-32-0	0
A	Triallate	2303-17-5	0
A	Trifluralin	1582-09-8	0
A	Trimethyl phosphate	512-56-1	0

Energy Laboratories Inc

Spike LOG

Standard ID:	SV83608		
Standard Name	625 LCS	Type:	Secondary
Date Prepared	11/29/2021	BY:	Ryan F. Benge
Date Expires:	9/15/2026		
Department	GCMSPR	Status:	New
Vendor:			
Lot Number:			
Balance ID:			
Comments:	20x1 mL ampule		

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
CLP Semi-volatile calibration standard	14546		mL	9/15/

Final Volume: mL

Stock Source	**Base Units**	**Amount Added**
Analytes	**CAS**	Conc: **ug/mL**

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

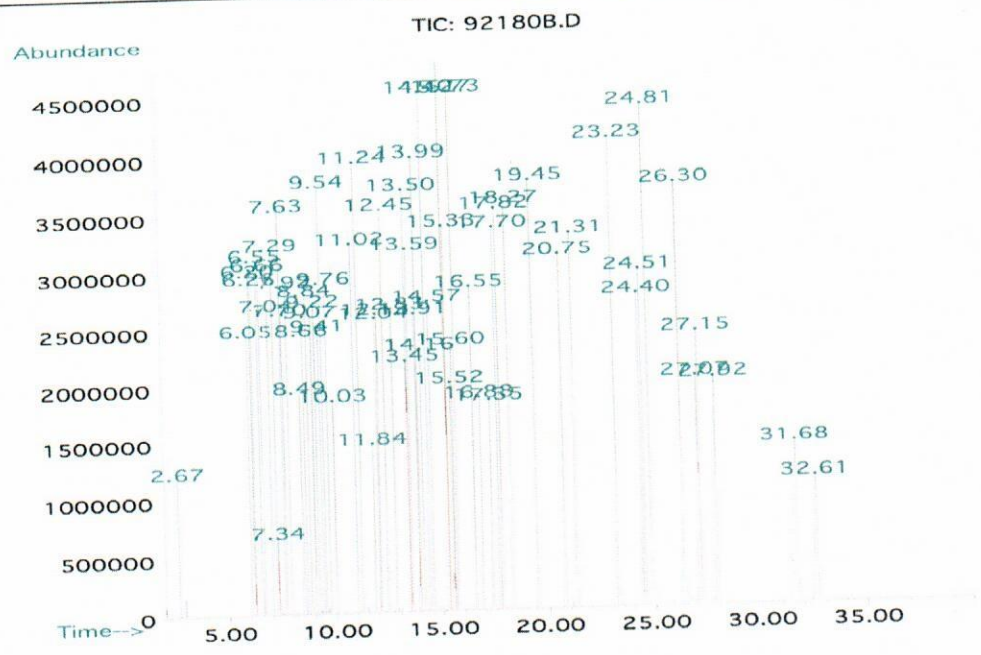
Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.003 Flask Uncertainty

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

Energy Laboratories Inc

Standard LOG

Standard ID:	SV92612		
Standard Name	BNA Surr	Type:	Tertiary
Date Prepared	11/15/2021	BY:	Ryan F. Benge
Date Expires:	3/31/2022		
Department	gcmspr	Status:	New
Vendor:			
Lot Number:			
Balance ID:			
Comments:	2000/1000ug/mL		

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Acetone DZ963	13755	17.5	mL	9/24/

Final Volume: 4 mL

Stock Source		Base Units	Amount Added
sv83609	AE Surrogate	ug/mL	2.5 mL
sv83604	BN Surr	ug/mL	5 mL

	Analytes	CAS	Conc: ug/mL
S	2,4,6-Tribromophenol	118-79-6	2000
S	2-Fluorobiphenyl	321-60-8	1000
S	2-Fluorophenol	367-12-4	2000
S	Nitrobenzene-d5	4165-60-0	1000
S	Phenol-d5	4165-62-2	2000
S	Terphenyl-d14	98904-43-9	1000

Energy Laboratories Inc

Spike LOG

Standard ID:	SV83604		
Standard Name	BN Surr	Type:	Primary
Date Prepared	10/25/2021	BY:	Ryan F. Benge
Date Expires:	7/31/2027		
Department	GCMSPR	Status:	New
Vendor:	Restek		
Lot Number:	A0175748		
Balance ID:			
Comments:	6 ampules		

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
B/N Surrogate Mix (4/89 SOW)	14431	5	mL	7/31/

Final Volume: 5 mL

Stock Source	**Base Units**	**Amount Added**
Analytes	**CAS**	Conc: **ug/mL**

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)

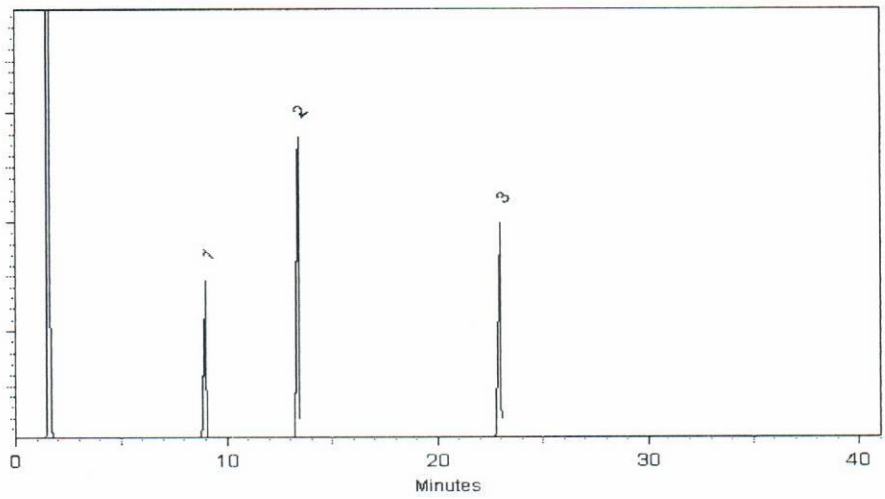
Carrier Gas:
hydrogen-constant pressure 10 psi.

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.