284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1675

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : K1P									
Q1675-18	K1P	SOIL	Methyl stearate	*	370.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	n-Hexadecanoic acid	*	11,800.000	JB	0	0	ug/Kg
Q1675-18	K1P	SOIL	Octadecanoic acid	*	12,900.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	Oleic Acid	*	410.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	Pentadecanoic acid, 14-methyl-, n	*	140.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	1-Tetracosene	*	250.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	9,12-Octadecadienoic acid (Z,Z)-	*	160.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	Benzophenone	*	530.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	Bis(2-ethylhexyl)phthalate	*	490.000	J	69.6	200	ug/Kg
			Total Tics :		**27,050.00**				
			Total Concentration:		**27,050.00**				
Client ID : K1									
Q1675-19	K1	SOIL	10-Heneicosene (c,t)	*	95.900	J	0	0	ug/Kg
Q1675-19	K1	SOIL	1-Heneicosyl formate	*	190.000	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Benzophenone	*	480.000	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Decahydro-1,1,4a,5,6-pentamethy	*	120.000	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Hexadecane, 2,6,10,14-tetramethy	*	120.000	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Methanone, (1-hydroxycyclohexy	*	76.300	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Methyl stearate	*	160.000	J	0	0	ug/Kg
Q1675-19	K1	SOIL	n-Hexadecanoic acid	*	4,200.000	JB	0	0	ug/Kg
Q1675-19	K1	SOIL	Nonadecane	*	87.100	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Octadecanoic acid	*	5,500.000	J	0	0	ug/Kg
			Total Tics :		**11,029.30**				
			Total Concentration:		**11,029.30**				
Client ID : K2									
Q1675-20	K2	SOIL	n-Nonadecanol-1	*	160.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Octadecanoic acid	*	13,000.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Oleic Acid	*	300.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Palmitic Acid, TMS derivative	*	210.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	9,12-Octadecadienoic acid (Z,Z)-	*	340.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Benzophenone	*	450.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Hexadecanoic acid, methyl ester	*	220.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Methyl stearate	*	550.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	n-Hexadecanoic acid	*	11,000.000	JB	0	0	ug/Kg
Q1675-20	K2	SOIL	Bis(2-ethylhexyl)phthalate	*	95.600	J	61.8	180	ug/Kg
			Total Tics :		**26,325.60**				

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Hit Summary Sheet
SW-846

SDG No.: Q1675

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		**26,325.60**				
Client ID : K3									
Q1675-21	K3	SOIL	.gamma.-Sitosterol	*	4,000.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	2-Methyltetracosane	*	350.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	9,12-Octadecadienoic acid (Z,Z)-	*	4,400.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Dodecanoic acid	*	1,300.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Dotriacontane, 1-iodo-	*	6,800.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Heneicosane	*	770.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Heptadecane, 9-octyl-	*	3,800.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Hexacosane	*	190.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Hexadecanamide	*	2,200.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Hexadecanoic acid, methyl ester	*	2,200.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Methyl stearate	*	4,300.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	n-Hexadecanoic acid	*	57,100.000	JB	0	0	ug/Kg
Q1675-21	K3	SOIL	Octadecane	*	6,200.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Octadecanoic acid	*	35,700.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Oxirane, tetradecyl-	*	770.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Palmitic Acid, TMS derivative	*	3,200.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Pentadecanoic acid	*	2,700.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Tetracosanal	*	840.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Tetracosane	*	540.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Tetradecanoic acid	*	770.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Diethylphthalate	*	370.000	J	29.5	180	ug/Kg
Q1675-21	K3	SOIL	Bis(2-ethylhexyl)phthalate	*	110.000	J	61.6	180	ug/Kg
			Total Tics :		**138,610.00**				
			Total Concentration:		**138,610.00**				

SAMPLE DATA

Raw Data: **BM049838.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/28/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	K1P	SDG No.:	Q1675
Lab Sample ID:	Q1675-18	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049838.D	1	04/04/25 10:32	04/07/25 14:04	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	26.7	U	26.7	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.1	U	30.1	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	57.5		30 (18) - 130 (107)	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.6		30 (20) - 130 (109)	55%	SPK: 100
1718-51-0	Terphenyl-d14	57.2		30 (10) - 130 (105)	57%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	360000	7.781			
1146-65-2	Naphthalene-d8	1260000	10.58			
15067-26-2	Acenaphthene-d10	812000	14.427			
1517-22-2	Phenanthrene-d10	1510000	17.168			
1719-03-5	Chrysene-d12	1440000	21.403			
1520-96-3	Perylene-d12	1640000	24.409			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	530	J		15.8	ug/Kg
005129-60-2	Pentadecanoic acid, 14-methyl-, me	140	J		17.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	11800	JB		18.1	ug/Kg
000112-61-8	Methyl stearate	370	J		19.2	ug/Kg
000060-33-3	9,12-Octadecadienoic acid (Z,Z)-	160	J		19.2	ug/Kg
000112-80-1	Oleic Acid	410	J		19.2	ug/Kg
000057-11-4	Octadecanoic acid	12900	J		19.4	ug/Kg
010192-32-2	1-Tetracosene	250	J		21.1	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	490	J		21.3	ug/Kg

Raw Data: **BM049838.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K1P			SDG No.:	Q1675
Lab Sample ID:	Q1675-18			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	84.8
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049838.D	1	04/04/25 10:32	04/07/25 14:04	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **BM049839.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K1			SDG No.:	Q1675
Lab Sample ID:	Q1675-19			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	95.5
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049839.D	1	04/04/25 10:32	04/07/25 14:43	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	23.7	U	23.7	180	ug/Kg
91-57-6	2-Methylnaphthalene	26.8	U	26.8	180	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	58.0		30 (18) - 130 (107)	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.2		30 (20) - 130 (109)	58%	SPK: 100
1718-51-0	Terphenyl-d14	62.1		30 (10) - 130 (105)	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	378000	7.781			
1146-65-2	Naphthalene-d8	1320000	10.581			
15067-26-2	Acenaphthene-d10	832000	14.427			
1517-22-2	Phenanthrene-d10	1560000	17.168			
1719-03-5	Chrysene-d12	1480000	21.403			
1520-96-3	Perylene-d12	1670000	24.409			
TENTATIVE IDENTIFIED COMPOUNDS						
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	120	J		13.2	ug/Kg
000119-61-9	Benzophenone	480	J		15.8	ug/Kg
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	120	J		16.2	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	76.3	J		16.3	ug/Kg
000629-92-5	Nonadecane	87.1	J		17.0	ug/Kg
000057-10-3	n-Hexadecanoic acid	4200	JB		18.1	ug/Kg
000112-61-8	Methyl stearate	160	J		19.2	ug/Kg
095008-11-0	10-Heneicosene (c,t)	95.9	J		19.2	ug/Kg
000057-11-4	Octadecanoic acid	5500	J		19.4	ug/Kg
077899-03-7	1-Heneicosyl formate	190	J		21.1	ug/Kg

Raw Data: **BM049839.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K1			SDG No.:	Q1675
Lab Sample ID:	Q1675-19			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	95.5
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049839.D	1	04/04/25 10:32	04/07/25 14:43	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **BM049837.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K2			SDG No.:	Q1675
Lab Sample ID:	Q1675-20			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	95.7
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049837.D	1	04/04/25 10:32	04/07/25 13:24	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	23.7	U	23.7	180	ug/Kg
91-57-6	2-Methylnaphthalene	26.7	U	26.7	180	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	52.3		30 (18) - 130 (107)	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.8		30 (20) - 130 (109)	52%	SPK: 100
1718-51-0	Terphenyl-d14	56.1		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	389000	7.786			
1146-65-2	Naphthalene-d8	1350000	10.58			
15067-26-2	Acenaphthene-d10	890000	14.427			
1517-22-2	Phenanthrene-d10	1740000	17.168			
1719-03-5	Chrysene-d12	1660000	21.403			
1520-96-3	Perylene-d12	1900000	24.409			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	450	J		15.8	ug/Kg
000112-39-0	Hexadecanoic acid, methyl ester	220	J		17.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	11000	JB		18.1	ug/Kg
055520-89-3	Palmitic Acid, TMS derivative	210	J		18.6	ug/Kg
000112-61-8	Methyl stearate	550	J		19.2	ug/Kg
000060-33-3	9,12-Octadecadienoic acid (Z,Z)-	340	J		19.2	ug/Kg
000112-80-1	Oleic Acid	300	J		19.2	ug/Kg
000057-11-4	Octadecanoic acid	13000	J		19.4	ug/Kg
001454-84-8	n-Nonadecanol-1	160	J		21.1	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.6	J		21.3	ug/Kg

Raw Data: **BM049837.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K2			SDG No.:	Q1675
Lab Sample ID:	Q1675-20			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	95.7
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049837.D	1	04/04/25 10:32	04/07/25 13:24	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **BM049836.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K3			SDG No.:	Q1675
Lab Sample ID:	Q1675-21			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	95.9
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049836.D	1	04/04/25 10:32	04/07/25 12:45	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	23.6	U	23.6	180	ug/Kg
91-57-6	2-Methylnaphthalene	26.7	U	26.7	180	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	96.6		30 (18) - 130 (107)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.5		30 (20) - 130 (109)	97%	SPK: 100
1718-51-0	Terphenyl-d14	88.9		30 (10) - 130 (105)	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	364000	7.787			
1146-65-2	Naphthalene-d8	1270000	10.581			
15067-26-2	Acenaphthene-d10	789000	14.427			
1517-22-2	Phenanthrene-d10	1590000	17.168			
1719-03-5	Chrysene-d12	1820000	21.409			
1520-96-3	Perylene-d12	1860000	24.415			
TENTATIVE IDENTIFIED COMPOUNDS						
000143-07-7	Dodecanoic acid	1300	J		14.9	ug/Kg
84-66-2	Diethylphthalate	370	J		15.2	ug/Kg
000057-11-4	Octadecanoic acid	35700	J		15.5	ug/Kg
007320-37-8	Oxirane, tetradecyl-	770	J		17.1	ug/Kg
000112-39-0	Hexadecanoic acid, methyl ester	2200	J		17.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	57100	JB		18.2	ug/Kg
057866-08-7	Tetracosanal	840	J		18.5	ug/Kg
055520-89-3	Palmitic Acid, TMS derivative	3200	J		18.6	ug/Kg
000629-54-9	Hexadecanamide	2200	J		18.7	ug/Kg
000544-63-8	Tetradecanoic acid	770	J		18.8	ug/Kg
000112-61-8	Methyl stearate	4300	J		19.2	ug/Kg
000060-33-3	9,12-Octadecadienoic acid (Z,Z)-	4400	J		19.2	ug/Kg
001002-84-2	Pentadecanoic acid	2700	J		19.4	ug/Kg
000630-01-3	Hexacosane	190	J		20.4	ug/Kg
001560-78-7	2-Methyltetracosane	350	J		21.1	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K3			SDG No.:	Q1675
Lab Sample ID:	Q1675-21			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	95.9
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049836.D	1	04/04/25 10:32	04/07/25 12:45	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
117-81-7	Bis(2-ethylhexyl)phthalate	110	J		21.3	ug/Kg
000646-31-1	Tetracosane	540	J		21.8	ug/Kg
000629-94-7	Heneicosane	770	J		22.6	ug/Kg
1000406-32-4	Dotriacontane, 1-iodo-	6800	J		23.6	ug/Kg
000593-45-3	Octadecane	6200	J		24.6	ug/Kg
007225-64-1	Heptadecane, 9-octyl-	3800	J		25.9	ug/Kg
000083-47-6	.gamma.-Sitosterol	4000	J		28.5	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167457BL	PB167457BL	Nitrobenzene-d5	100	86.4	86		30 (18)	130 (107)
		2-Fluorobiphenyl	100	86.4	86		30 (20)	130 (109)
		Terphenyl-d14	100	102	102		30 (10)	130 (105)
PB167457BS	PB167457BS	Nitrobenzene-d5	100	89.7	90		30 (18)	130 (107)
		2-Fluorobiphenyl	100	91.6	92		30 (20)	130 (109)
		Terphenyl-d14	100	102	102		30 (10)	130 (105)
Q1675-18	K1P	Nitrobenzene-d5	100	57.5	58		30 (18)	130 (107)
		2-Fluorobiphenyl	100	54.6	55		30 (20)	130 (109)
		Terphenyl-d14	100	57.2	57		30 (10)	130 (105)
Q1675-19	K1	Nitrobenzene-d5	100	58.0	58		30 (18)	130 (107)
		2-Fluorobiphenyl	100	58.2	58		30 (20)	130 (109)
		Terphenyl-d14	100	62.1	62		30 (10)	130 (105)
Q1675-20	K2	Nitrobenzene-d5	100	52.3	52		30 (18)	130 (107)
		2-Fluorobiphenyl	100	51.8	52		30 (20)	130 (109)
		Terphenyl-d14	100	56.1	56		30 (10)	130 (105)
Q1675-21	K3	Nitrobenzene-d5	100	96.6	97		30 (18)	130 (107)
		2-Fluorobiphenyl	100	96.5	97		30 (20)	130 (109)
		Terphenyl-d14	100	88.9	89		30 (10)	130 (105)
Q1721-02MS	AU-05-040325MS	Nitrobenzene-d5	100	64.4	64		30 (18)	130 (107)
		2-Fluorobiphenyl	100	61.3	61		30 (20)	130 (109)
		Terphenyl-d14	100	57.9	58		30 (10)	130 (105)
Q1721-02MSD	AU-05-040325MSD	Nitrobenzene-d5	100	69.5	69		30 (18)	130 (107)
		2-Fluorobiphenyl	100	67.3	67		30 (20)	130 (109)
		Terphenyl-d14	100	61.8	62		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1721-02MS		**Client Sample ID:** AU-05-040325MS						**DataFile:** BM049840.D			
Naphthalene	1100	0	1200	ug/Kg	109				70 (72)	130 (110)	
2-Methylnaphthalene	1100	0	1100	ug/Kg	100				70 (59)	130 (123)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q1721-02MSD		**Client Sample ID:** AU-05-040325MSD						**DataFile:** BM049841.D			
Naphthalene	1100	0	1300	ug/Kg	118		8		70 (72)	130 (110)	30 (20)
2-Methylnaphthalene	1100	0	1200	ug/Kg	109		9		70 (59)	130 (123)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: 8270E **DataFile:** BM049835.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167457BS	Naphthalene	1700	1600	ug/Kg	94				70 (62)	130 (100)	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				70 (60)	130 (104)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167457BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: BM049834.D Lab Sample ID: PB167457BL

Instrument ID: BNA_M Date Extracted: 04/04/2025

Matrix: (soil/water) SOIL Date Analyzed: 04/07/2025

Level: (low/med) LOW Time Analyzed: 11:23

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167457BS	PB167457BS	BM049835.D	04/07/2025
K3	Q1675-21	BM049836.D	04/07/2025
K2	Q1675-20	BM049837.D	04/07/2025
K1P	Q1675-18	BM049838.D	04/07/2025
K1	Q1675-19	BM049839.D	04/07/2025
AU-05-040325MS	Q1721-02MS	BM049840.D	04/07/2025
AU-05-040325MSD	Q1721-02MSD	BM049841.D	04/07/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: BM049705.D DFTPP Injection Date: 03/13/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.2
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.3
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	40.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	10.2
442	Greater than 50% of mass 198	63.7
443	15.0 - 24.0% of mass 442	12.4 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM049706.D	03/13/2025	09:02
SSTDICC005	SSTDICC005	BM049707.D	03/13/2025	09:42
SSTDICC010	SSTDICC010	BM049708.D	03/13/2025	10:21
SSTDICC020	SSTDICC020	BM049709.D	03/13/2025	11:00
SSTDICCC040	SSTDICCC040	BM049710.D	03/13/2025	11:39
SSTDICC050	SSTDICC050	BM049711.D	03/13/2025	12:19
SSTDICC060	SSTDICC060	BM049712.D	03/13/2025	12:58
SSTDICC080	SSTDICC080	BM049713.D	03/13/2025	13:37

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: BM049832.D DFTPP Injection Date: 04/07/2025

Instrument ID: BNA_M DFTPP Injection Time: 10:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	25
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	29.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	37
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	10.9
442	Greater than 50% of mass 198	69.3
443	15.0 - 24.0% of mass 442	13.5 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM049833.D	04/07/2025	10:43
PB167457BL	PB167457BL	BM049834.D	04/07/2025	11:23
PB167457BS	PB167457BS	BM049835.D	04/07/2025	12:02
K3	Q1675-21	BM049836.D	04/07/2025	12:45
K2	Q1675-20	BM049837.D	04/07/2025	13:24
K1P	Q1675-18	BM049838.D	04/07/2025	14:04
K1	Q1675-19	BM049839.D	04/07/2025	14:43
AU-05-040325MS	Q1721-02MS	BM049840.D	04/07/2025	15:22
AU-05-040325MSD	Q1721-02MSD	BM049841.D	04/07/2025	16:02

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/07/2025

Lab File ID: BM049833.D Time Analyzed: 10:43

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	332328	7.787	1151320	10.58	736916	14.43
	UPPER LIMIT	664656	8.287	2302640	11.081	1473830	14.927
	LOWER LIMIT	166164	7.287	575660	10.081	368458	13.927
	EPA SAMPLE NO.						
01	PB167457BL	317785	7.79	1088350	10.58	684928	14.43
02	PB167457BS	302641	7.79	1057940	10.58	655262	14.43
03	K2	388663	7.79	1349630	10.58	890473	14.43
04	K3	363599	7.79	1272900	10.58	788938	14.43
05	K1P	359832	7.78	1263450	10.58	811796	14.43
06	K1	377673	7.78	1316950	10.58	831557	14.43
07	AU-05-040325MS	392804	7.79	1404250	10.58	888245	14.43
08	AU-05-040325MSD	368877	7.79	1283320	10.58	802650	14.43

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/07/2025

Lab File ID: BM049833.D Time Analyzed: 10:43

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1449930	17.168	1423470	21.409	1559770	24.415
	UPPER LIMIT	2899860	17.668	2846940	21.909	3119540	24.915
	LOWER LIMIT	724965	16.668	711735	20.909	779885	23.915
	EPA SAMPLE NO.						
01	PB167457BL	1337160	17.17	1275920	21.40	1458540	24.41
02	PB167457BS	1274580	17.17	1227510	21.41	1340440	24.41
03	K2	1740090	17.17	1657120	21.40	1901760	24.41
04	K3	1589870	17.17	1823030	21.41	1861600	24.42
05	K1P	1511490	17.17	1443650	21.40	1643720	24.41
06	K1	1563940	17.17	1483520	21.40	1673410	24.41
07	AU-05-040325MS	1716280	17.17	1693340	21.41	1886440	24.41
08	AU-05-040325MSD	1533780	17.17	1544490	21.41	1732650	24.42

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Stockton			Date Received:	
Client Sample ID:	PB167457BL			SDG No.:	Q1675
Lab Sample ID:	PB167457BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049834.D	1	04/04/25 10:32	04/07/25 11:23	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	86.4		30 (18) - 130 (107)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.4		30 (20) - 130 (109)	86%	SPK: 100
1718-51-0	Terphenyl-d14	102		30 (10) - 130 (105)	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	318000	7.787			
1146-65-2	Naphthalene-d8	1090000	10.58			
15067-26-2	Acenaphthene-d10	685000	14.427			
1517-22-2	Phenanthrene-d10	1340000	17.168			
1719-03-5	Chrysene-d12	1280000	21.403			
1520-96-3	Perylene-d12	1460000	24.409			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	340	A		4.90	ug/Kg
000057-10-3	n-Hexadecanoic acid	110	J		18.1	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Stockton			Date Received:	
Client Sample ID:	PB167457BS			SDG No.:	Q1675
Lab Sample ID:	PB167457BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049835.D	1	04/04/25 10:32	04/07/25 12:02	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1600		22.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	89.7		30 (18) - 130 (107)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.6		30 (20) - 130 (109)	92%	SPK: 100
1718-51-0	Terphenyl-d14	102		30 (10) - 130 (105)	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	303000	7.787			
1146-65-2	Naphthalene-d8	1060000	10.58			
15067-26-2	Acenaphthene-d10	655000	14.427			
1517-22-2	Phenanthrene-d10	1270000	17.168			
1719-03-5	Chrysene-d12	1230000	21.409			
1520-96-3	Perylene-d12	1340000	24.409			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	04/03/25
Project:	Stockton	Date Received:	04/03/25
Client Sample ID:	AU-05-040325MS	SDG No.:	Q1675
Lab Sample ID:	Q1721-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.1
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049840.D	2	04/04/25 10:32	04/07/25 15:22	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1200		31.3	230	ug/Kg
91-57-6	2-Methylnaphthalene	1100		35.2	230	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	64.4		30 (18) - 130 (107)	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.3		30 (20) - 130 (109)	61%	SPK: 100
1718-51-0	Terphenyl-d14	57.9		30 (10) - 130 (105)	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	393000	7.787			
1146-65-2	Naphthalene-d8	1400000	10.581			
15067-26-2	Acenaphthene-d10	888000	14.427			
1517-22-2	Phenanthrene-d10	1720000	17.168			
1719-03-5	Chrysene-d12	1690000	21.409			
1520-96-3	Perylene-d12	1890000	24.409			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	04/03/25
Project:	Stockton	Date Received:	04/03/25
Client Sample ID:	AU-05-040325MSD	SDG No.:	Q1675
Lab Sample ID:	Q1721-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.1
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049841.D	2	04/04/25 10:32	04/07/25 16:02	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1300		31.2	230	ug/Kg
91-57-6	2-Methylnaphthalene	1200		35.2	230	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	69.5		30 (18) - 130 (107)	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.3		30 (20) - 130 (109)	67%	SPK: 100
1718-51-0	Terphenyl-d14	61.8		30 (10) - 130 (105)	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	369000	7.787			
1146-65-2	Naphthalene-d8	1280000	10.581			
15067-26-2	Acenaphthene-d10	803000	14.428			
1517-22-2	Phenanthrene-d10	1530000	17.169			
1719-03-5	Chrysene-d12	1540000	21.41			
1520-96-3	Perylene-d12	1730000	24.415			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM031325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 14:55:34 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM049706.D 5 =BM049707.D 10 =BM049708.D 20 =BM049709.D 40 =BM049710.D 50 =BM049711.D 60 =BM049712.D 80 =BM0497
13.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.503	0.485	0.525	0.497	0.512	0.528	0.541	0.513	3.81
3)		Pyridine		1.250	1.282	1.329	1.299	1.307	1.352	1.353	1.310	2.88
4)		n-Nitrosodimet...		0.546	0.572	0.600	0.565	0.584	0.600	0.592	0.580	3.48
5)	S	2-Fluorophenol		1.027	1.092	1.201	1.176	1.239	1.275	1.288	1.185	8.14
6)		Aniline		1.219	1.276	1.306	1.221	1.246	1.246	1.209	1.246	2.78
7)	S	Phenol-d6		1.325	1.383	1.498	1.470	1.553	1.580	1.603	1.487	6.93
8)		2-Chlorophenol		1.091	1.111	1.193	1.148	1.209	1.226	1.237	1.174	4.89
9)		Benzaldehyde			0.864	0.830	0.683	0.685	0.615		0.735	14.48
10)	C	Phenol		1.356	1.372	1.463	1.400	1.478	1.509	1.518	1.442	4.56
11)		bis(2-Chloroet...		1.132	1.141	1.189	1.122	1.178	1.201	1.212	1.168	3.06
12)		1,3-Dichlorobe...		1.376	1.380	1.438	1.367	1.462	1.471	1.491	1.426	3.60
13)	C	1,4-Dichlorobe...		1.384	1.386	1.470	1.390	1.460	1.483	1.501	1.439	3.52
14)		1,2-Dichlorobe...		1.307	1.325	1.405	1.330	1.397	1.398	1.412	1.368	3.27
15)		Benzyl Alcohol		0.818	0.862	0.932	0.929	0.977	0.996	1.019	0.933	7.78
16)		2,2'-oxybis(1-...		1.386	1.374	1.425	1.323	1.367	1.364	1.368	1.373	2.21
17)		2-Methylphenol		0.769	0.805	0.876	0.847	0.890	0.899	0.909	0.856	6.09
18)		Hexachloroethane		0.481	0.488	0.512	0.499	0.522	0.521	0.535	0.508	3.87
19)	P	n-Nitroso-di-n...	0.766	0.820	0.815	0.892	0.867	0.901	0.914	0.925	0.863	6.54
20)		3+4-Methylphenols		1.022	1.077	1.168	1.139	1.183	1.211	1.234	1.148	6.55
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.480	0.483	0.516	0.506	0.527	0.548	0.549	0.516	5.43
23)	S	Nitrobenzene-d5		0.343	0.361	0.392	0.385	0.403	0.420	0.422	0.390	7.57
24)		Nitrobenzene		0.340	0.341	0.375	0.360	0.375	0.389	0.392	0.367	5.79
25)		Isophorone		0.531	0.533	0.599	0.590	0.619	0.647	0.668	0.598	8.78
26)	C	2-Nitrophenol		0.115	0.129	0.153	0.158	0.171	0.181	0.188	0.156	17.03
27)		2,4-Dimethylph...		0.169	0.179	0.199	0.197	0.209	0.218	0.223	0.199	9.96
28)		bis(2-Chloroet...		0.399	0.389	0.430	0.407	0.431	0.440	0.453	0.421	5.57
29)	C	2,4-Dichloroph...		0.272	0.289	0.328	0.323	0.342	0.353	0.364	0.324	10.32
30)		1,2,4-Trichlor...		0.376	0.376	0.416	0.391	0.414	0.428	0.439	0.406	6.13
31)		Naphthalene		0.947	0.952	1.029	0.998	1.059	1.097	1.117	1.028	6.50
32)		Benzoic acid			0.122	0.144	0.164	0.179	0.199	0.208	0.169	19.39
33)		4-Chloroaniline		0.315	0.329	0.359	0.350	0.357	0.371	0.377	0.351	6.34
34)	C	Hexachlorobuta...		0.224	0.229	0.254	0.243	0.261	0.267	0.276	0.250	7.76
35)		Caprolactam		0.058	0.061	0.073	0.078	0.079	0.087	0.090	0.075	16.14
36)	C	4-Chloro-3-met...		0.233	0.240	0.273	0.281	0.289	0.310	0.323	0.278	12.01
37)		2-Methylnaphth...		0.663	0.656	0.713	0.704	0.735	0.768	0.794	0.719	7.10
38)		1-Methylnaphth...		0.639	0.640	0.684	0.675	0.711	0.741	0.765	0.694	6.96

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM031325.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.633	0.653	0.724	0.720	0.781	0.799	0.833	0.735	10.17
41)	P	Hexachlorocycl...	0.223	0.232	0.266	0.275	0.300	0.300	0.309	0.272	12.53
42)	S	2,4,6-Tribromo...	0.173	0.193	0.226	0.250	0.270	0.289		0.234	19.21
43)	C	2,4,6-Trichlor...	0.315	0.344	0.404	0.418	0.448	0.465	0.485	0.411	15.24
44)		2,4,5-Trichlor...	0.358	0.385	0.443	0.458	0.478	0.504	0.517	0.449	13.13
45)	S	2-Fluorobiphenyl	1.388	1.419	1.563	1.587	1.696	1.744	1.781	1.597	9.62
46)		1,1'-Biphenyl	1.398	1.399	1.539	1.523	1.606	1.642	1.683	1.541	7.28
47)		2-Chloronaphth...	1.085	1.115	1.194	1.177	1.244	1.283	1.301	1.200	6.80
48)		2-Nitroaniline	0.193	0.225	0.262	0.280	0.294	0.312	0.320	0.269	17.26
49)		Acenaphthylene	1.455	1.502	1.656	1.671	1.755	1.823	1.877	1.677	9.36
50)		Dimethylphthalate	1.253	1.262	1.377	1.370	1.402	1.464	1.512	1.377	6.97
51)		2,6-Dinitrotol...	0.225	0.246	0.274	0.281	0.288	0.304	0.314	0.276	11.34
52)	C	Acenaphthene	0.979	0.985	1.072	1.101	1.145	1.194	1.223	1.100	8.69
53)		3-Nitroaniline	0.198	0.222	0.259	0.273	0.277	0.300	0.310	0.263	15.43
54)	P	2,4-Dinitrophenol		0.083	0.111	0.132	0.145	0.159	0.174	0.134	24.72
55)		Dibenzofuran	1.664	1.705	1.814	1.791	1.882	1.956	2.018	1.833	7.00
56)	P	4-Nitrophenol		0.172	0.210	0.233	0.232	0.257	0.267	0.229	15.05
57)		2,4-Dinitrotol...	0.260	0.294	0.345	0.371	0.379	0.411	0.425	0.355	17.00
58)		Fluorene	1.255	1.297	1.454	1.498	1.564	1.646	1.732	1.492	11.67
59)		2,3,4,6-Tetrac...	0.292	0.325	0.366	0.385	0.394	0.419	0.450	0.376	14.39
60)		Diethylphthalate	1.135	1.170	1.285	1.299	1.338	1.388	1.463	1.297	8.90
61)		4-Chlorophenyl...	0.666	0.702	0.783	0.818	0.870	0.902	0.963	0.815	13.12
62)		4-Nitroaniline	0.182	0.219	0.267	0.299	0.297	0.323	0.329	0.274	20.05
63)		Azobenzene	1.072	1.109	1.232	1.245	1.286	1.337	1.390	1.239	9.30
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.067	0.087	0.100	0.109	0.119	0.128	0.102	21.84
66)	c	n-Nitrosodiphe...	0.530	0.530	0.603	0.600	0.644	0.656	0.679	0.606	9.72
67)		4-Bromophenyl-...	0.192	0.201	0.227	0.226	0.249	0.251	0.270	0.231	12.13
68)		Hexachlorobenzene	0.229	0.232	0.253	0.251	0.274	0.281	0.297	0.260	9.77
69)		Atrazine	0.146	0.151	0.144	0.128	0.098			0.134	16.15
70)	C	Pentachlorophenol		0.118	0.145	0.161	0.171	0.185	0.200	0.163	17.87
71)		Phenanthrene	0.968	1.001	1.085	1.093	1.158	1.216	1.253	1.111	9.52
72)		Anthracene	0.892	0.933	1.055	1.066	1.144	1.193	1.246	1.076	12.13
73)		Carbazole	0.785	0.855	0.952	0.991	1.016	1.091	1.128	0.974	12.57
74)		Di-n-butylphth...	0.808	0.885	1.042	1.082	1.164	1.201	1.289	1.068	16.12
75)	C	Fluoranthene	0.974	1.060	1.203	1.300	1.353	1.482	1.579	1.279	17.01
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.185	0.287	0.210	0.273	0.219	0.267	0.240	17.00
78)		Pyrene	1.240	1.253	1.390	1.328	1.468	1.540	1.562	1.397	9.37
79)	S	Terphenyl-d14	0.978	1.021	1.204	1.207	1.352	1.374	1.171	1.187	12.60
80)		Butylbenzylpht...	0.323	0.352	0.428	0.432	0.482	0.491	0.527	0.434	17.19
81)		Benzo(a)anthra...	1.150	1.186	1.318	1.307	1.414	1.462	1.515	1.336	10.23
82)		3,3'-Dichlorob...		0.317	0.396	0.411	0.474	0.479	0.532	0.435	17.44
83)		Chrysene	1.072	1.134	1.259	1.242	1.333	1.390	1.436	1.266	10.41
84)		Bis(2-ethylhex...	0.491	0.541	0.678	0.678	0.771	0.748	0.824	0.676	17.97
85)	c	Di-n-octyl pht...		0.774	0.954	1.009	1.146	1.130	1.290	1.050	17.04

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM031325.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.135	1.213	1.382	1.431	1.567	1.630	1.720	1.440	14.96
88)		Benzo(b)fluora...	1.088	1.138	1.297	1.330	1.433	1.508	1.636	1.347	14.54
89)		Benzo(k)fluora...	1.086	1.148	1.294	1.291	1.408	1.479	1.573	1.325	13.16
90)	C	Benzo(a)pyrene	0.899	0.948	1.085	1.120	1.210	1.280	1.378	1.131	15.28
91)		Dibenzo(a,h)an...	0.940	1.023	1.151	1.188	1.299	1.354	1.440	1.199	14.94
92)		Benzo(g,h,i)pe...	0.990	1.043	1.173	1.203	1.296	1.345	1.407	1.208	12.76

(#) = Out of Range

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: BNA_M Calibration Date/Time: 04/07/2025 10:43

Lab File ID: BM049833.D Init. Calib. Date(s): 03/13/2025 03/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:37

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.185	1.053		-11.1	
Phenol-d6	1.488	1.338		-10.1	
Nitrobenzene-d5	0.390	0.329		-15.6	
Naphthalene	1.028	0.931		-9.4	
2-Methylnaphthalene	0.719	0.666		-7.4	
2-Fluorobiphenyl	1.597	1.351		-15.4	
2,4,6-Tribromophenol	0.234	0.259		10.7	
Terphenyl-d14	1.187	1.070		-9.9	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049838.D
Acq On : 07 Apr 2025 14:04
Operator : RC/JU
Sample : Q1675-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1P

Quant Time: Apr 07 14:55:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

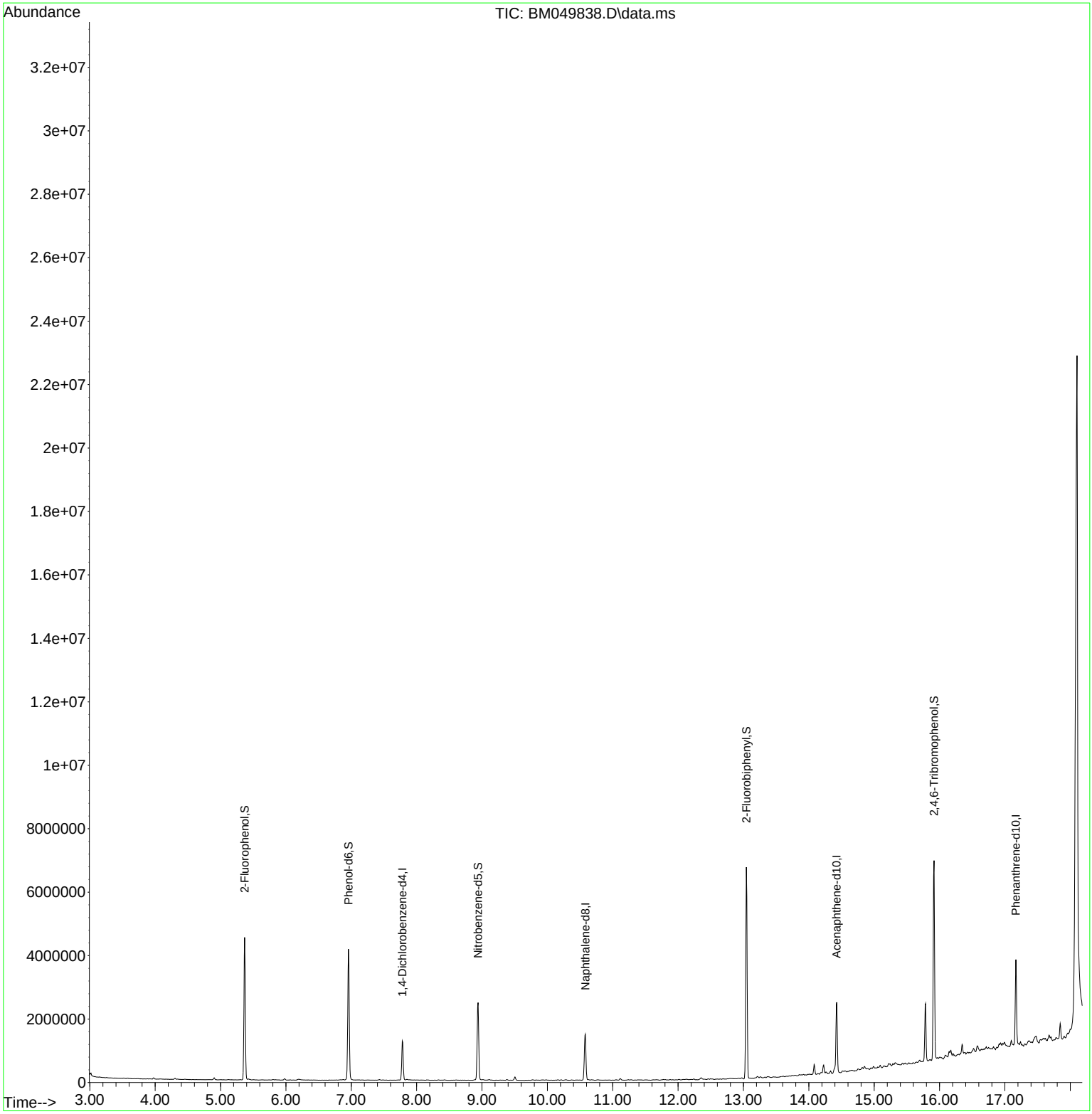
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	359832	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	1263445	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	811796	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1511487	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1443653	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1643723	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1985128	93.087	ng	-0.02
7) Phenol-d6	6.957	99	2415578	90.260	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1416069	57.544	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	1303619	137.522	ng	-0.02
45) 2-Fluorobiphenyl	13.045	172	3537935	54.581	ng	-0.02
79) Terphenyl-d14	19.798	244	4902521	57.225	ng	-0.01
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.315	149	610951	12.524	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049838.D
Acq On : 07 Apr 2025 14:04
Operator : RC/JU
Sample : Q1675-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1P

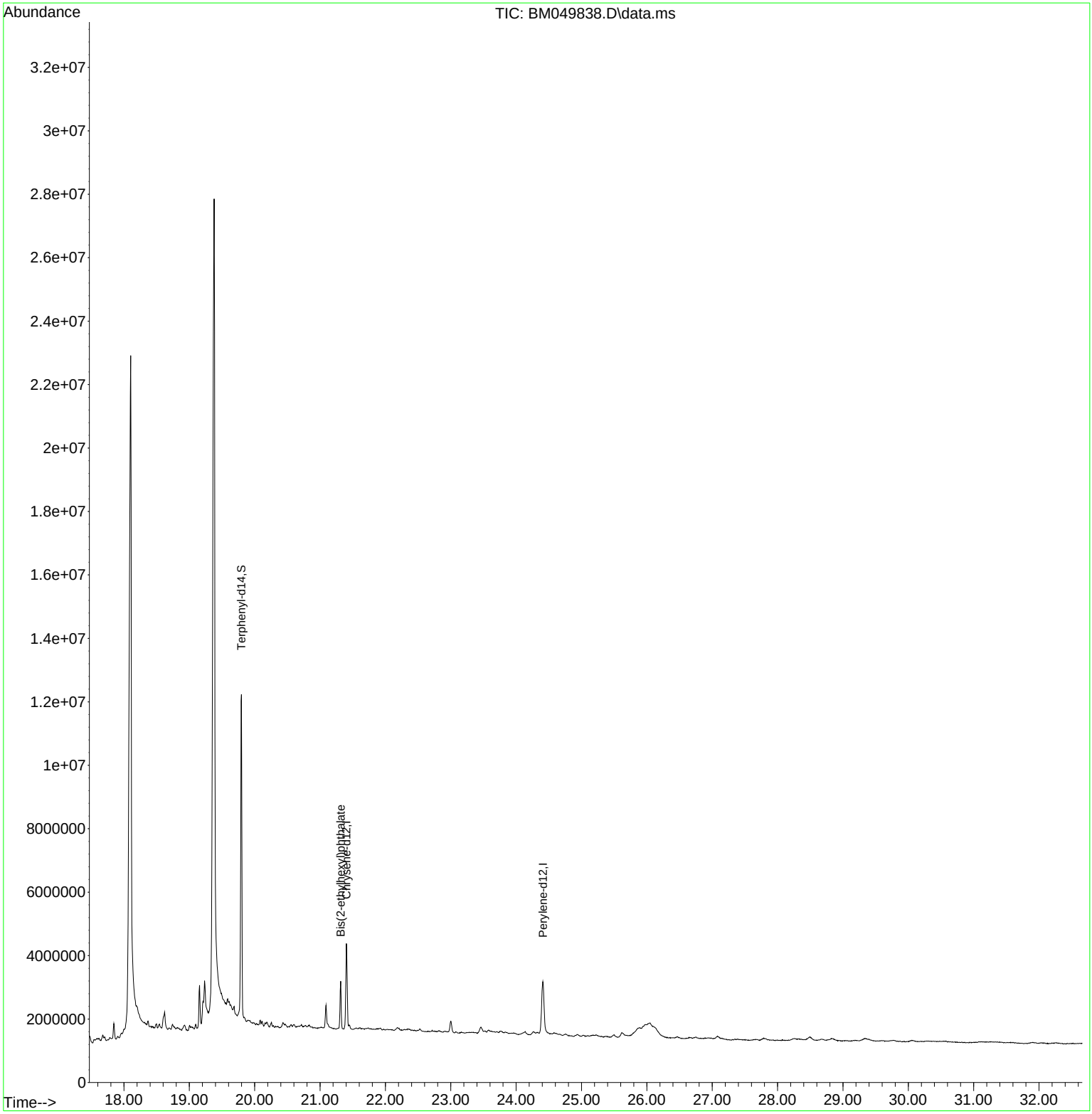
Quant Time: Apr 07 14:55:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

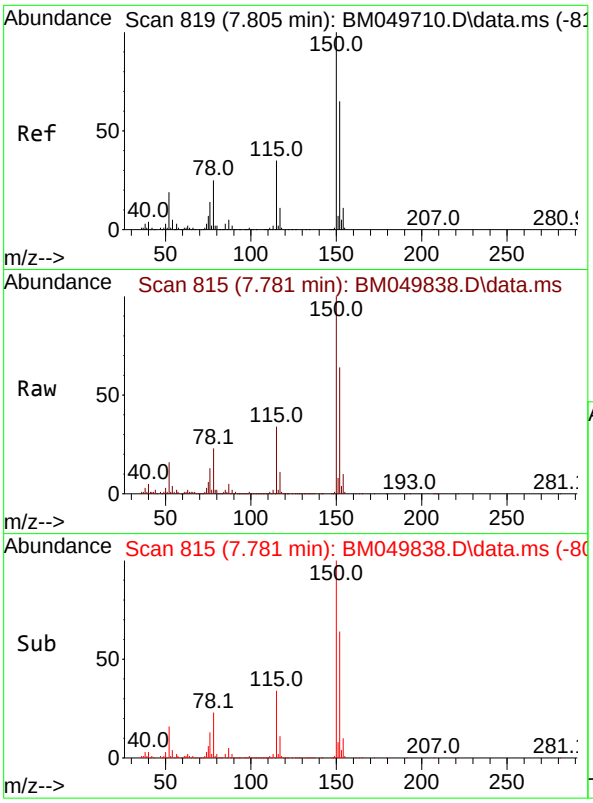


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049838.D
Acq On : 07 Apr 2025 14:04
Operator : RC/JU
Sample : Q1675-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1P

Quant Time: Apr 07 14:55:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



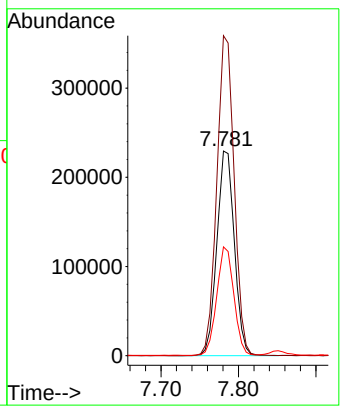


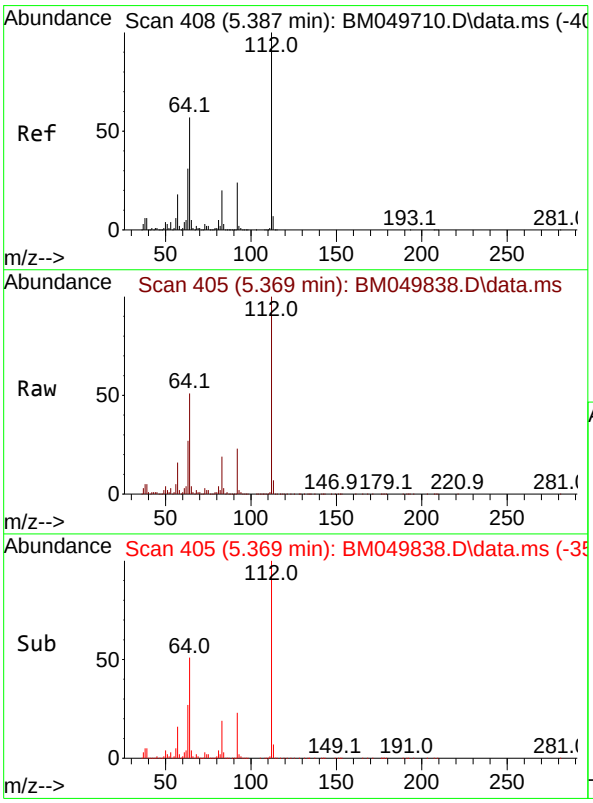
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion:152 Resp: 359832

Ion	Ratio	Lower	Upper
152	100		
150	156.3	123.8	185.8
115	53.1	43.0	64.6

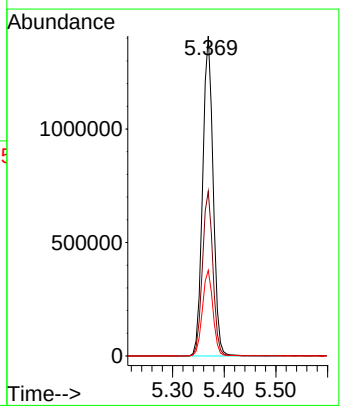


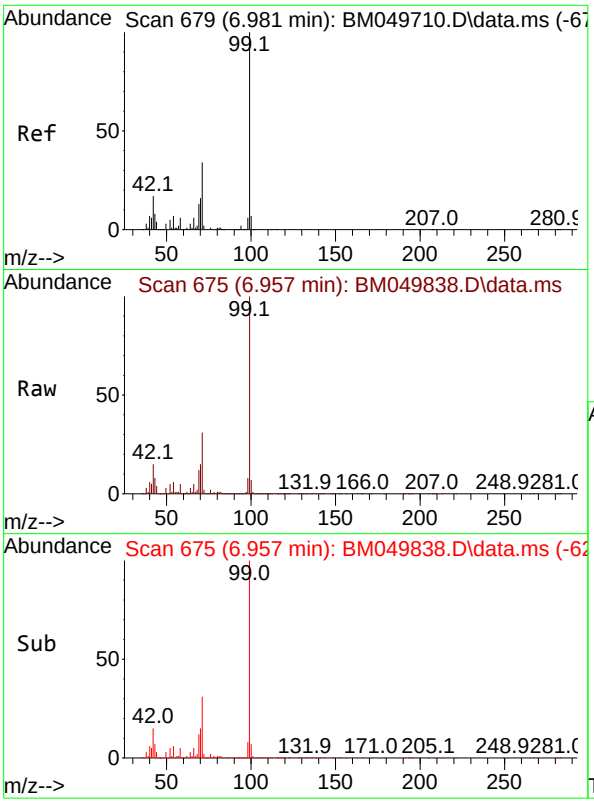


#5
2-Fluorophenol
Concen: 93.087 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:112 Resp: 1985128

Ion	Ratio	Lower	Upper
112	100		
64	51.5	45.3	67.9
63	26.7	24.4	36.6



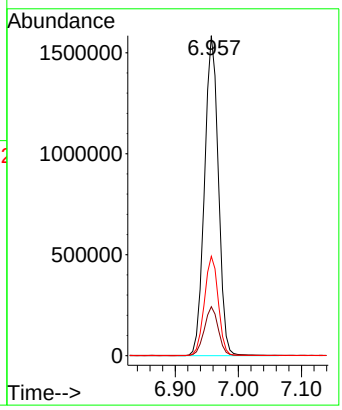


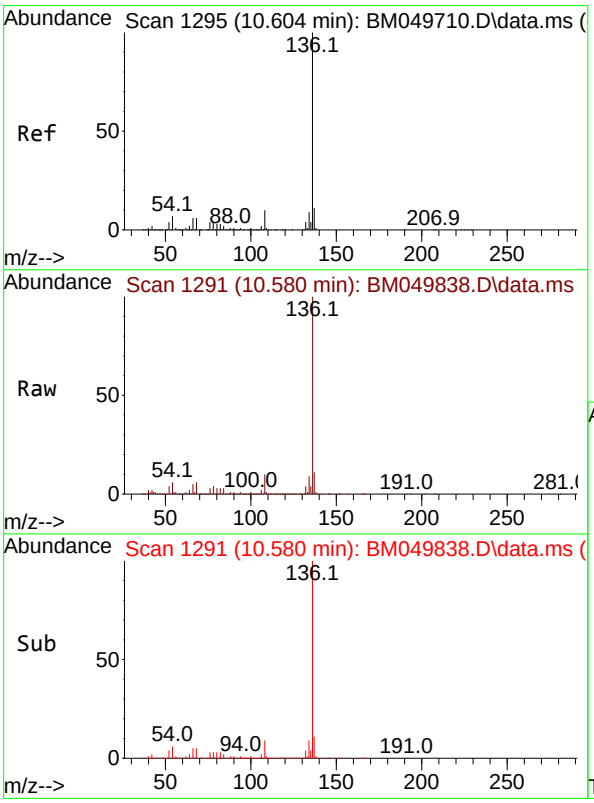
#7
Phenol-d6
Concen: 90.260 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion: 99 Resp: 2415578

Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.6	20.4
71	31.1	27.0	40.6

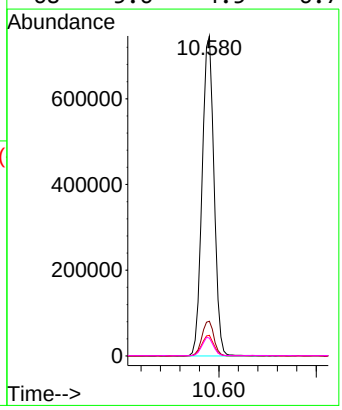


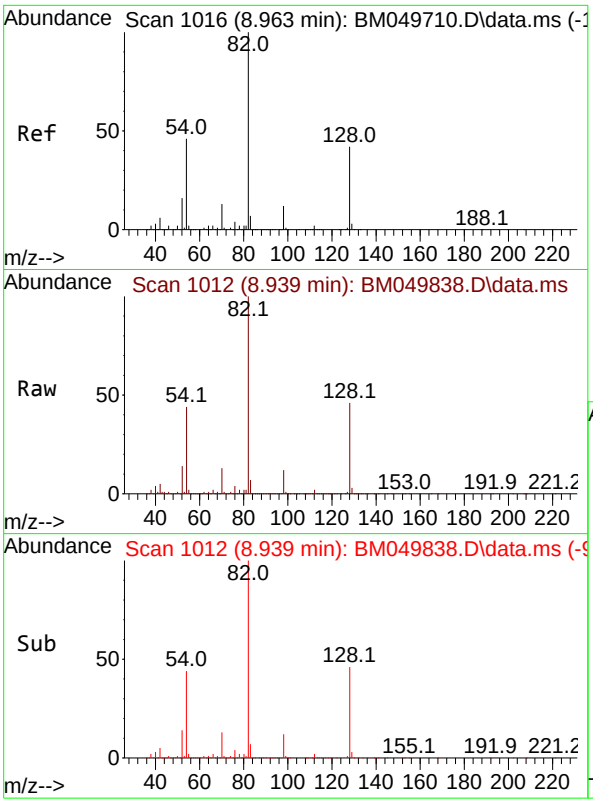


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:136 Resp: 1263445

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	6.4	5.8	8.8
68	5.6	4.5	6.7



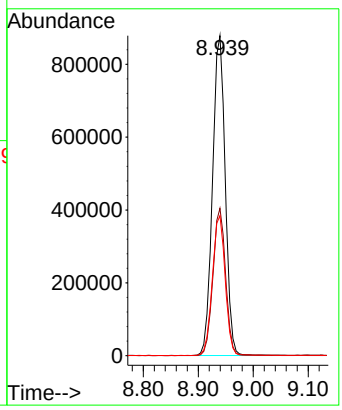


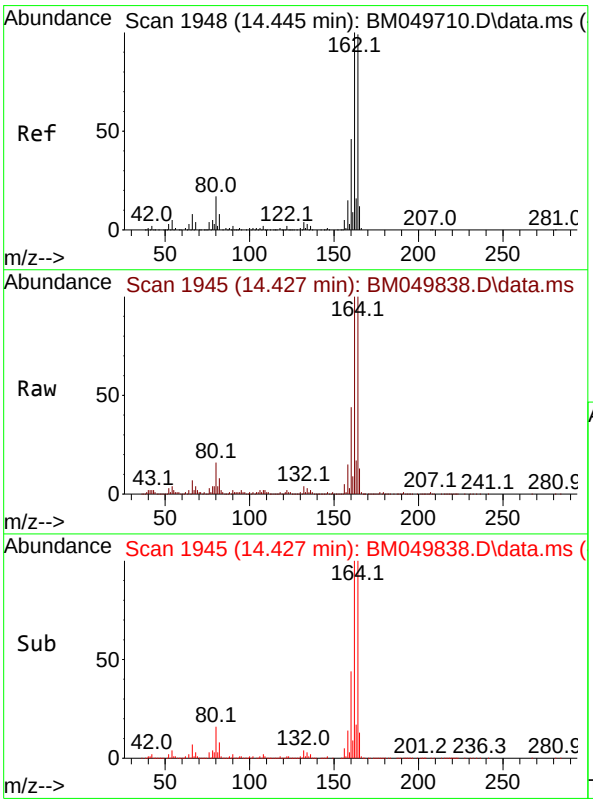
#23
Nitrobenzene-d5
Concen: 57.544 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion: 82 Resp: 1416069

Ion	Ratio	Lower	Upper
82	100		
128	46.0	33.4	50.0
54	43.7	36.4	54.6

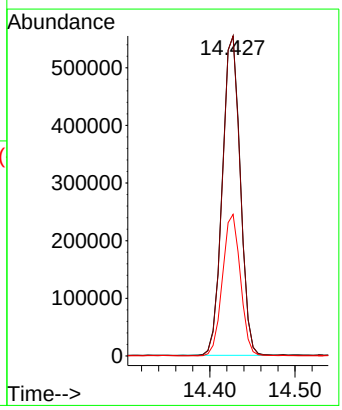


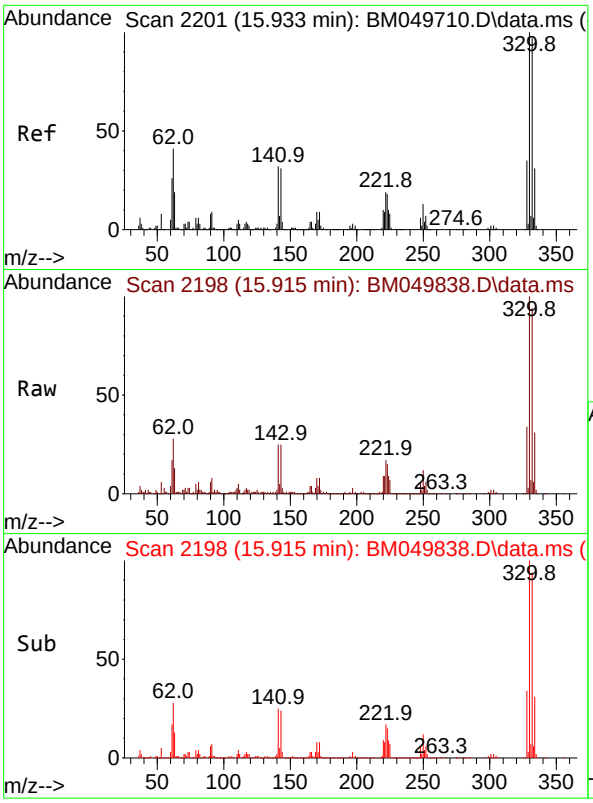


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:164 Resp: 811796

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.5	120.7
160	44.3	36.9	55.3



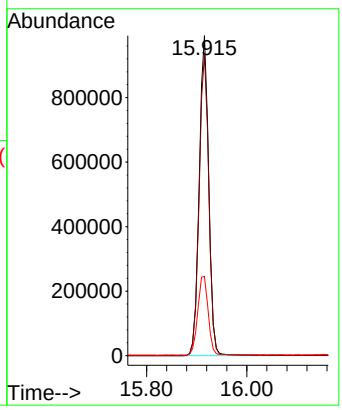


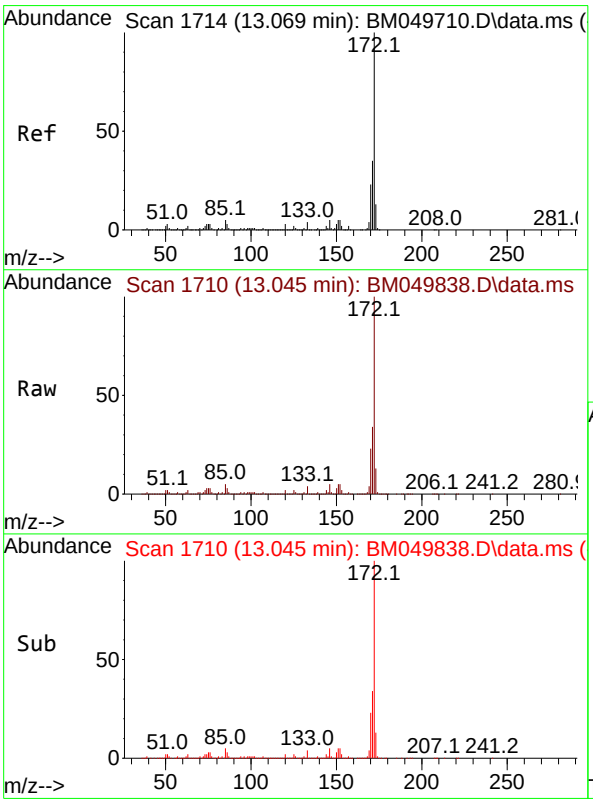
#42
2,4,6-Tribromophenol
Concen: 137.522 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion:330 Resp: 1303619

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.4
141	27.0	27.8	41.6#

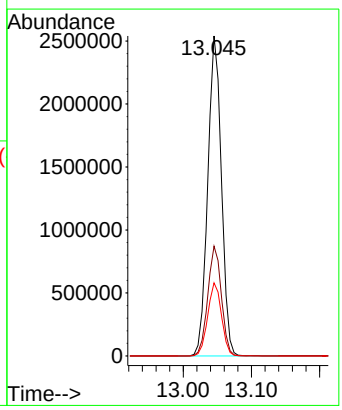


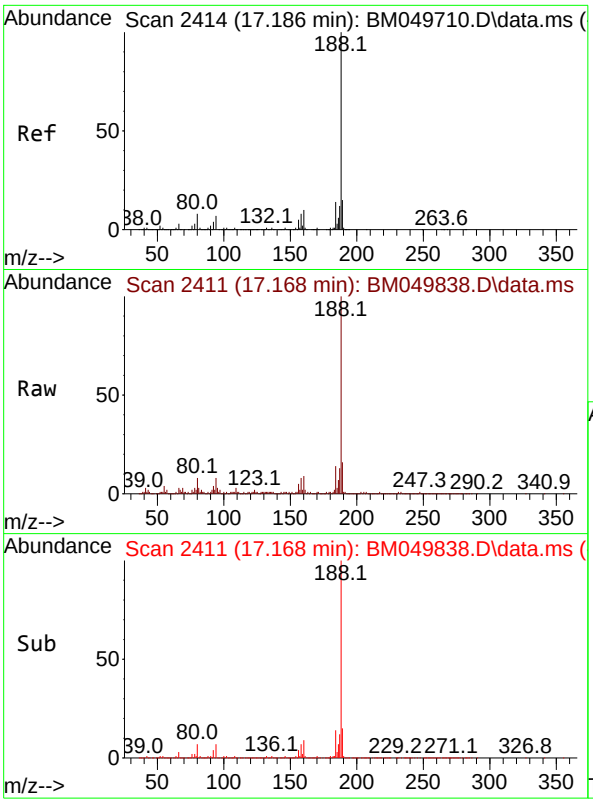


#45
2-Fluorobiphenyl
Concen: 54.581 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:172 Resp: 3537935

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.9	41.9
170	22.8	18.6	28.0



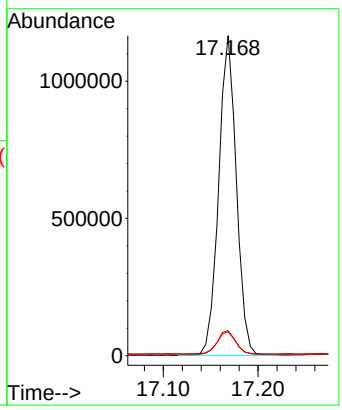


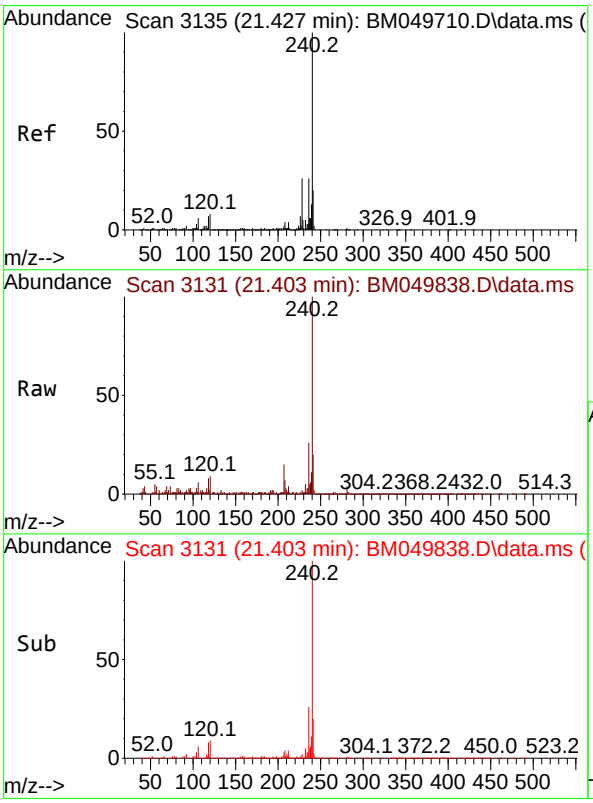
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion:188 Resp: 1511487

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	7.8	6.3	9.5

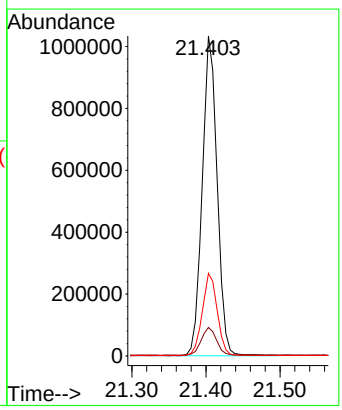


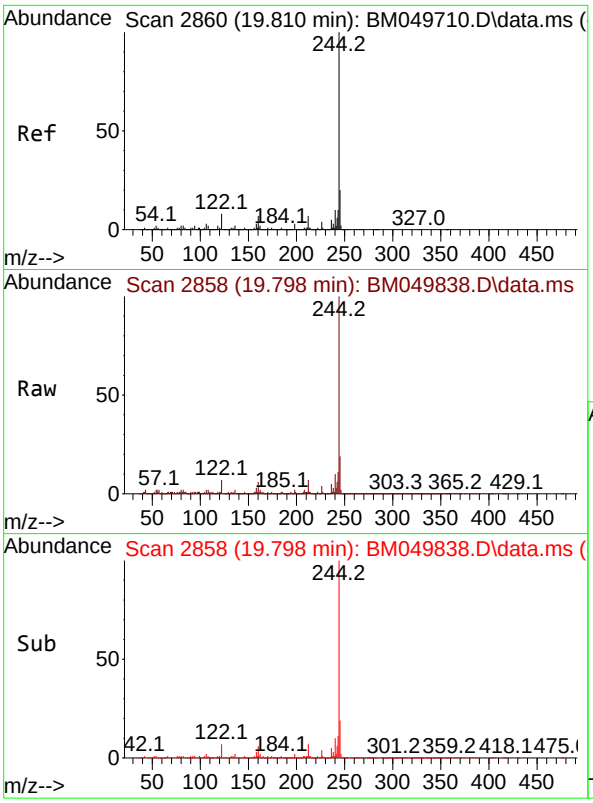


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:240 Resp: 1443653

Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.5	9.7
236	25.8	20.7	31.1



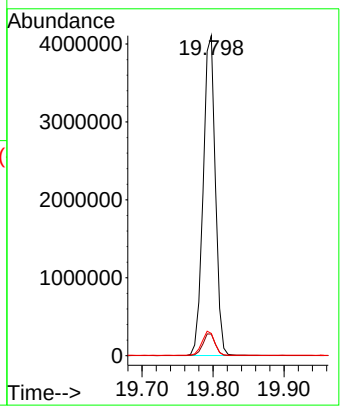


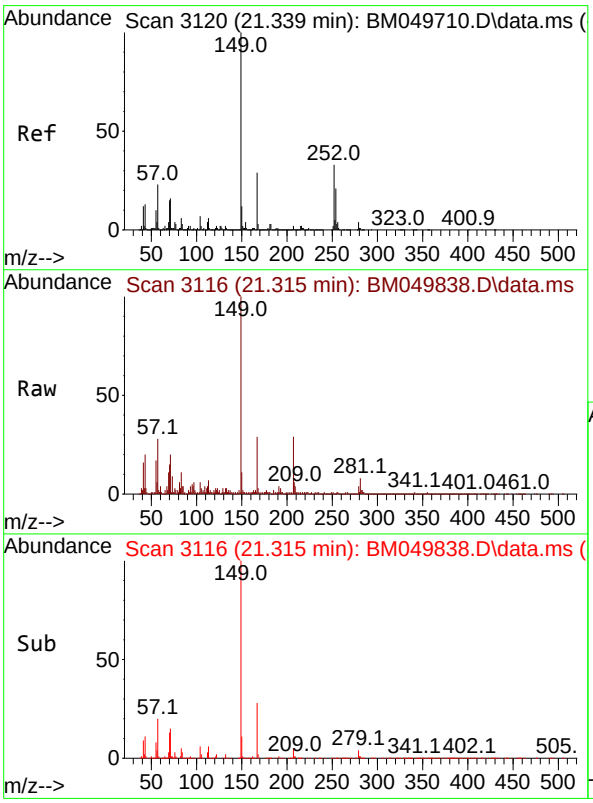
#79
Terphenyl-d14
Concen: 57.225 ng
RT: 19.798 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion:244 Resp: 4902521

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	6.9	6.0	9.0

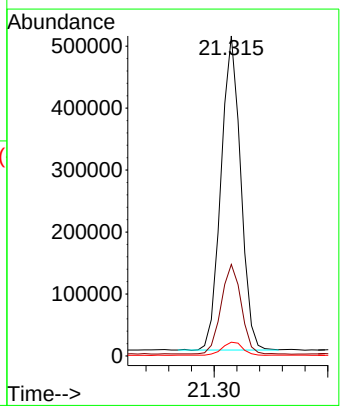


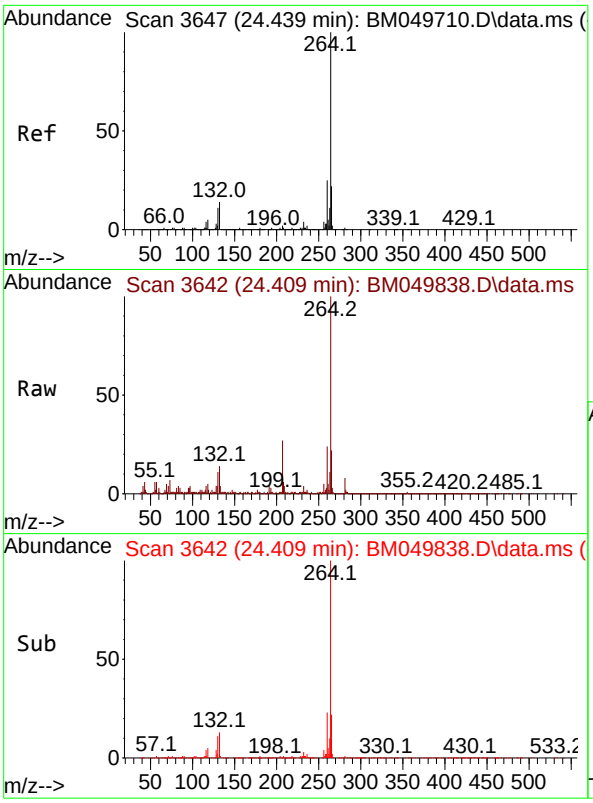


#84
Bis(2-ethylhexyl)phthalate
Concen: 12.524 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:149 Resp: 610951

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.9	34.3
279	4.3	3.5	5.3



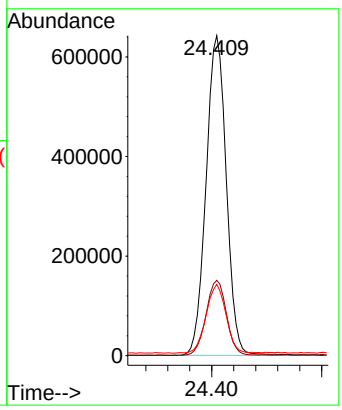


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3
Delta R.T. -0.030 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion:264 Resp: 1643723

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.6	29.4
265	22.3	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049839.D
Acq On : 07 Apr 2025 14:43
Operator : RC/JU
Sample : Q1675-19
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1

Quant Time: Apr 07 15:40:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

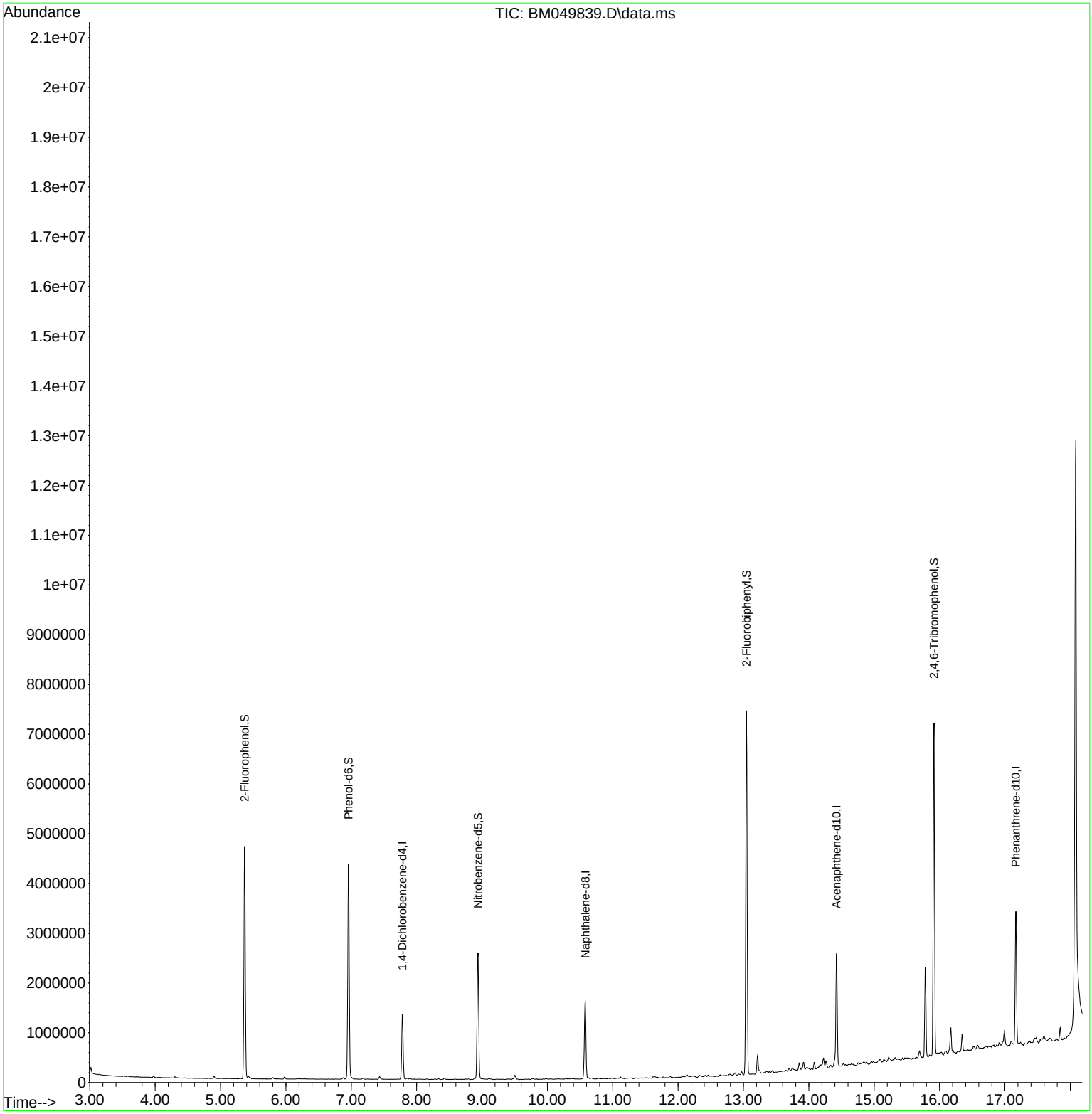
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	377673	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	1316947	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	831557	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1563937	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1483521	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1673412	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2098672	93.762	ng	-0.02
7) Phenol-d6	6.957	99	2507550	89.270	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1488547	58.032	ng	-0.02
42) 2,4,6-Tribromophenol	15.916	330	1363728	140.444	ng	-0.02
45) 2-Fluorobiphenyl	13.045	172	3865895	58.223	ng	-0.02
79) Terphenyl-d14	19.792	244	5465209	62.079	ng	-0.02
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049839.D
Acq On : 07 Apr 2025 14:43
Operator : RC/JU
Sample : Q1675-19
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1

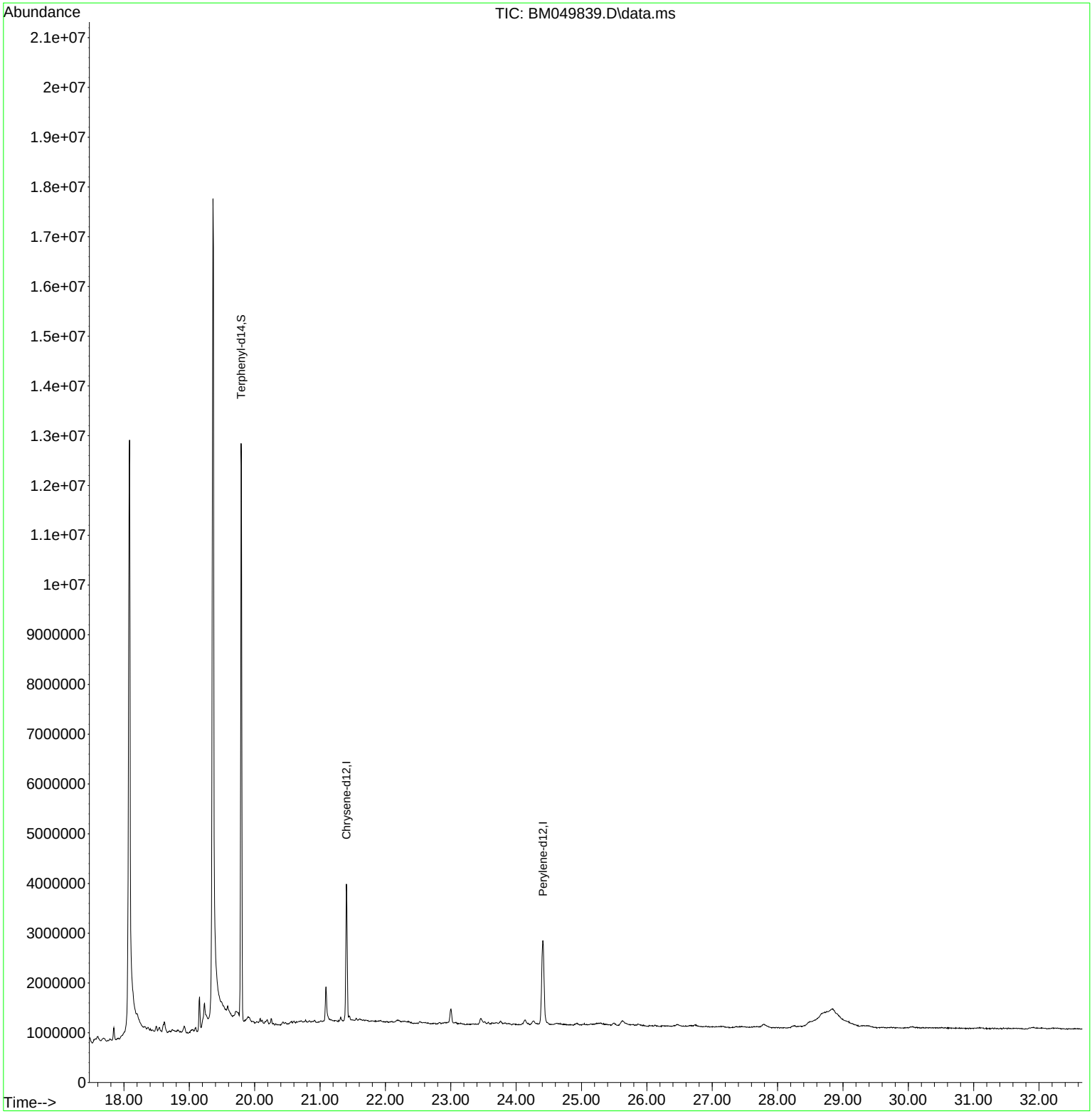
Quant Time: Apr 07 15:40:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

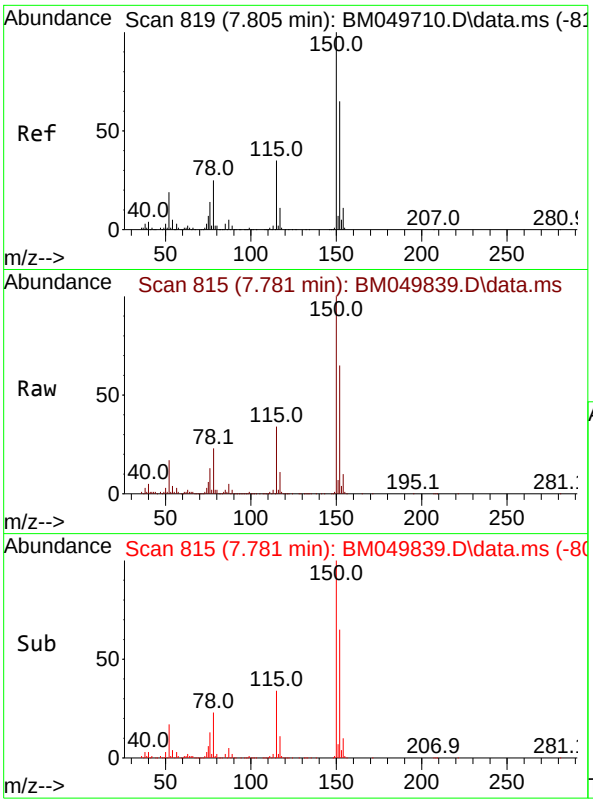


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049839.D
Acq On : 07 Apr 2025 14:43
Operator : RC/JU
Sample : Q1675-19
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1

Quant Time: Apr 07 15:40:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



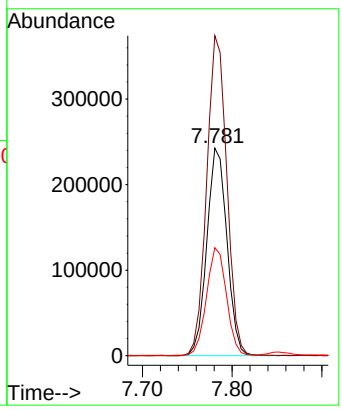


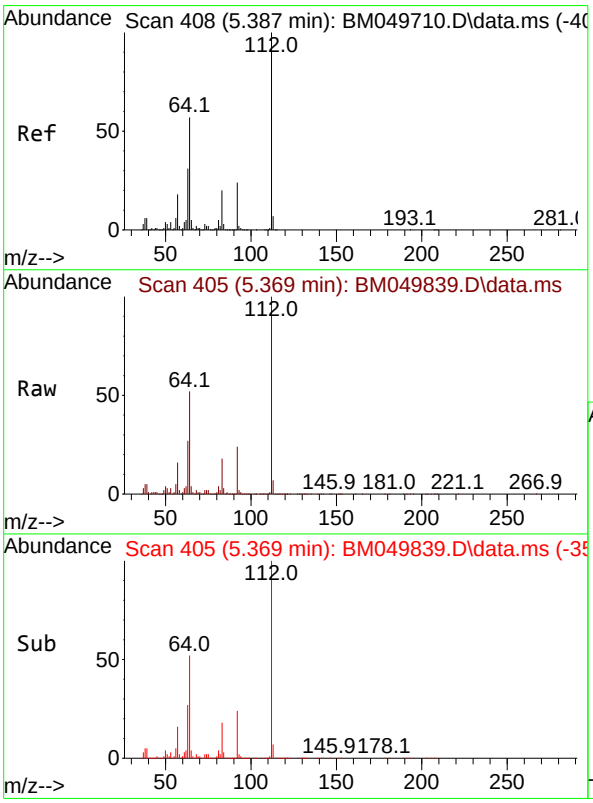
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion:152 Resp: 377673

Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.8	185.8
115	52.0	43.0	64.6

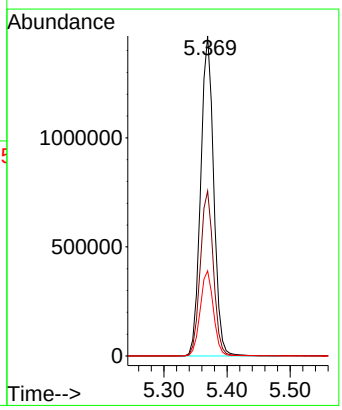


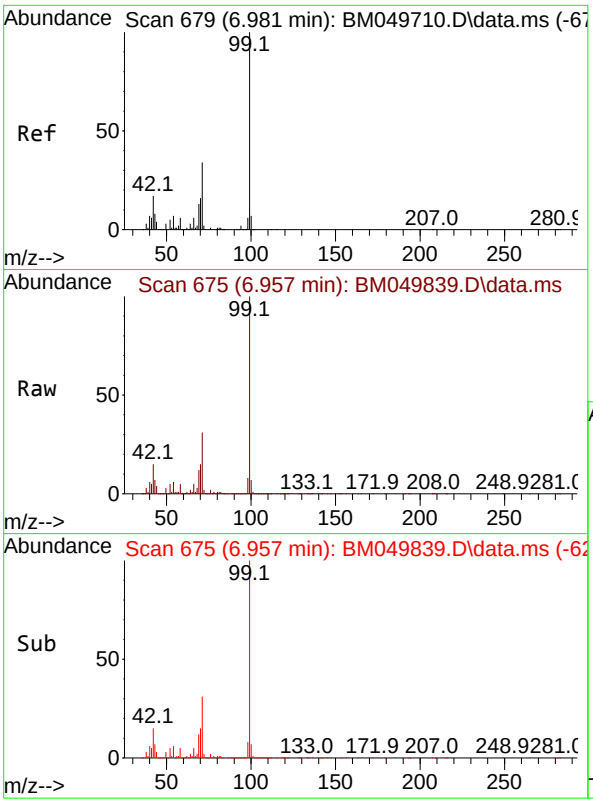


#5
2-Fluorophenol
Concen: 93.762 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:112 Resp: 2098672

Ion	Ratio	Lower	Upper
112	100		
64	51.5	45.3	67.9
63	26.6	24.4	36.6



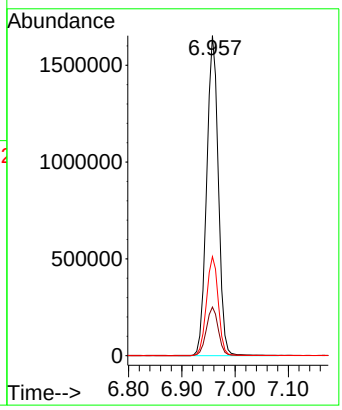


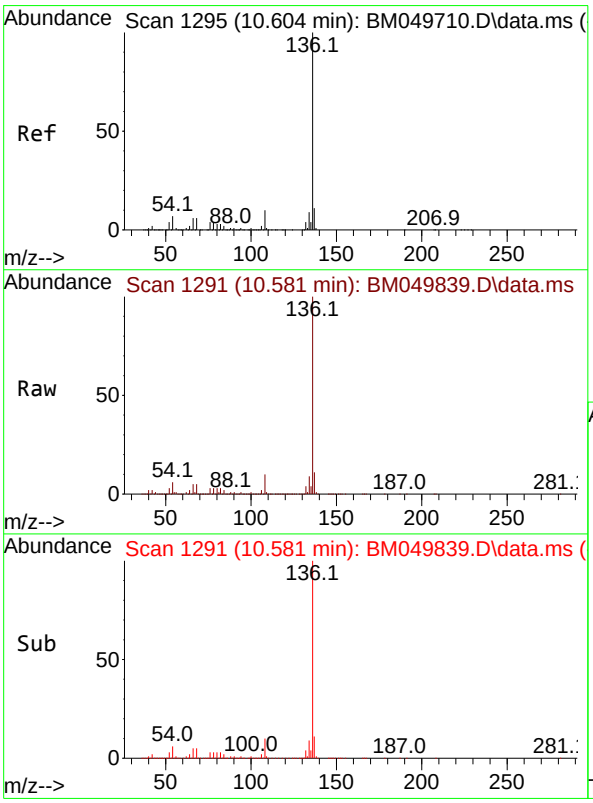
#7
Phenol-d6
Concen: 89.270 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion: 99 Resp: 2507550

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.6	20.4
71	31.0	27.0	40.6

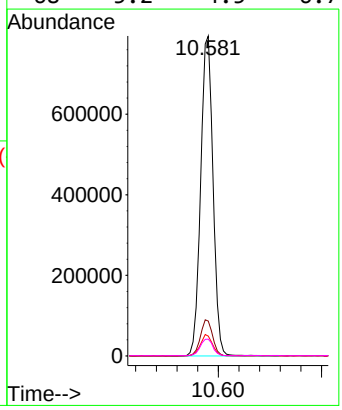


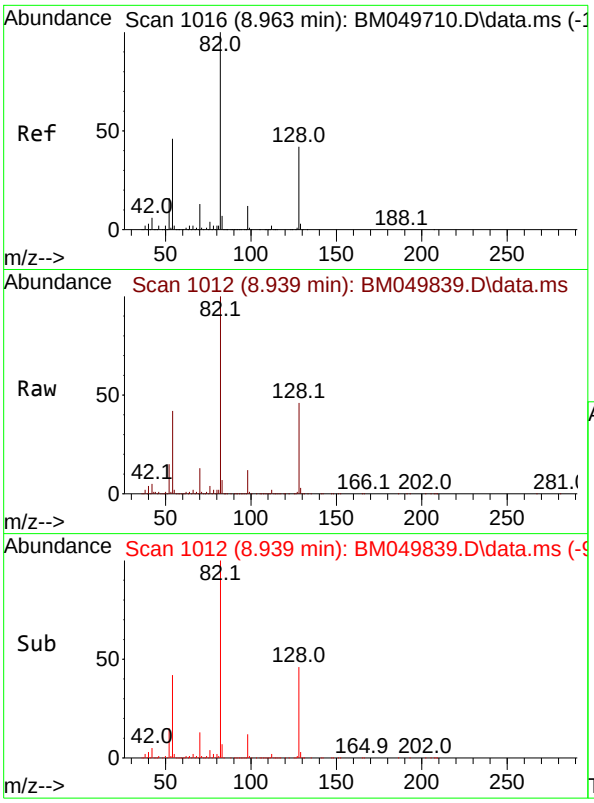


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:136 Resp: 1316947

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	6.2	5.8	8.8
68	5.2	4.5	6.7



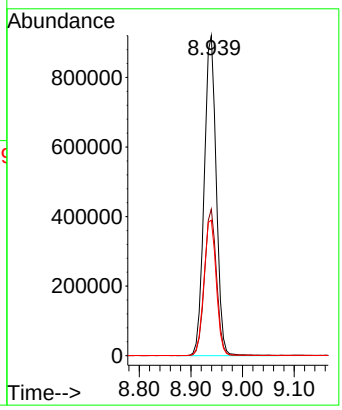


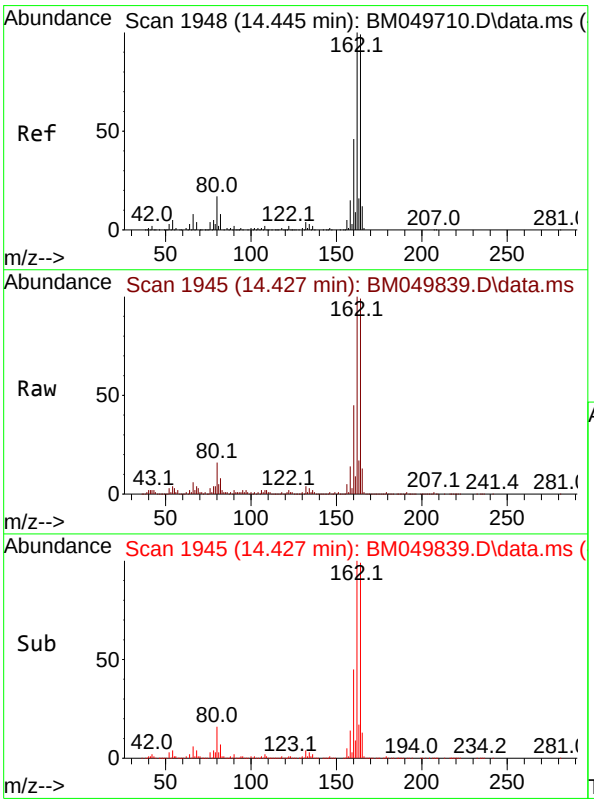
#23
Nitrobenzene-d5
Concen: 58.032 ng
RT: 8.939 min Scan# 1(
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion: 82 Resp: 1488547

Ion	Ratio	Lower	Upper
82	100		
128	45.8	33.4	50.0
54	42.3	36.4	54.6

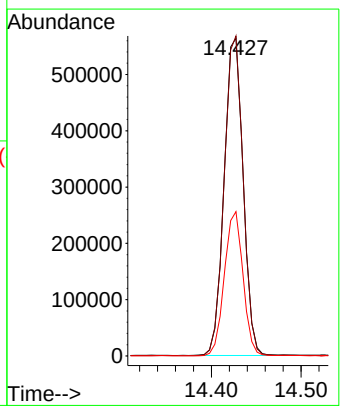


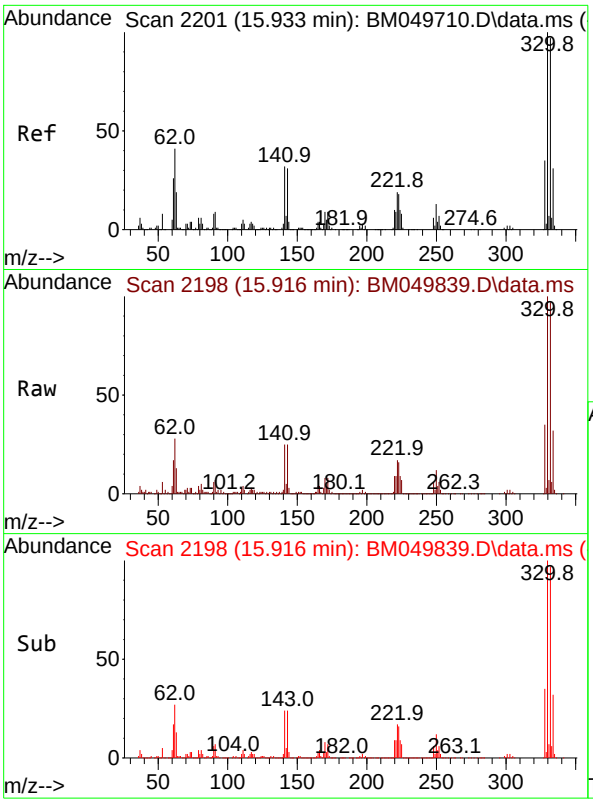


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:164 Resp: 831557

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.5	120.7
160	45.4	36.9	55.3



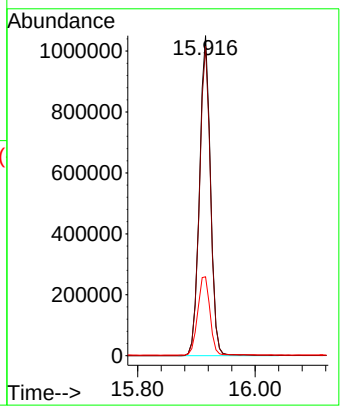


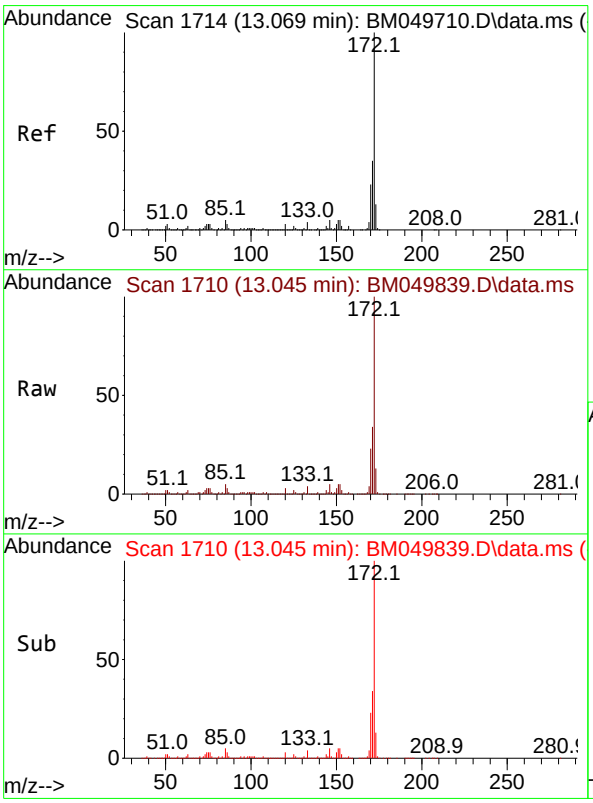
#42
2,4,6-Tribromophenol
Concen: 140.444 ng
RT: 15.916 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion:330 Resp: 1363728

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.4
141	27.1	27.8	41.6#

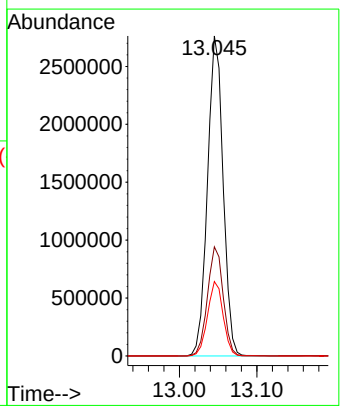


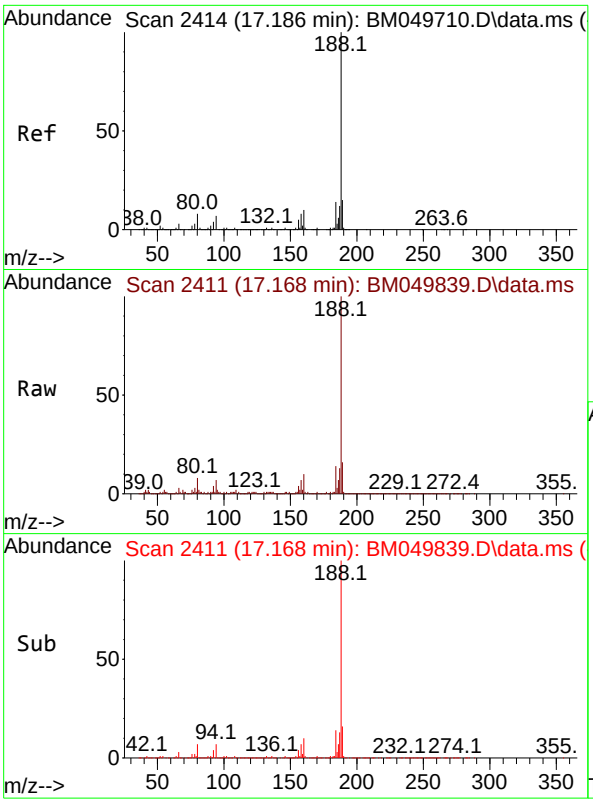


#45
2-Fluorobiphenyl
Concen: 58.223 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:172 Resp: 3865895

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.9	41.9
170	23.2	18.6	28.0



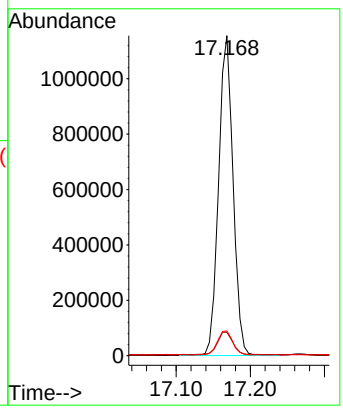


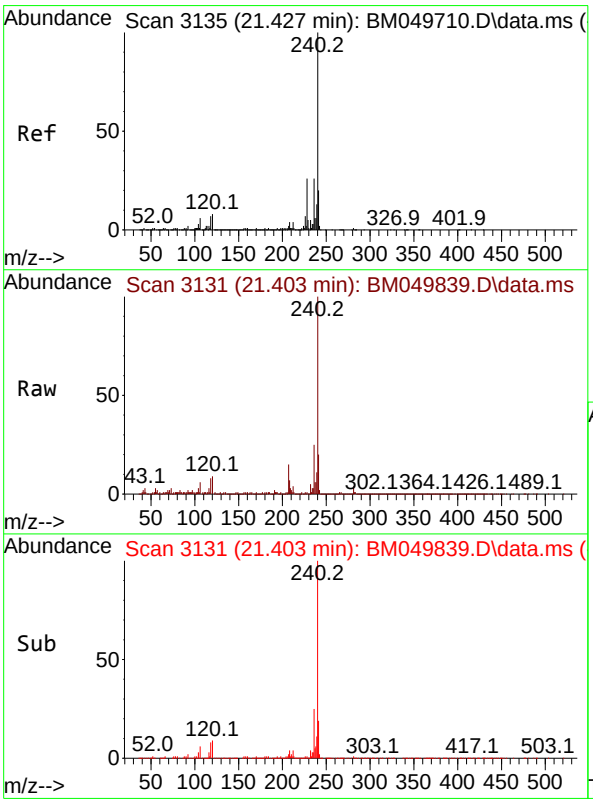
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion:188 Resp: 1563937

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	7.8	6.3	9.5

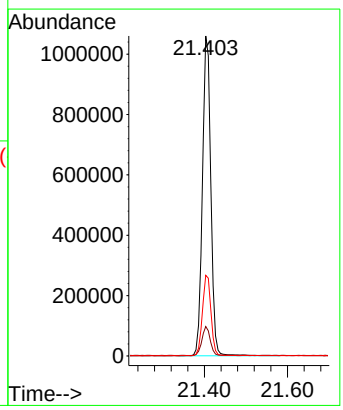


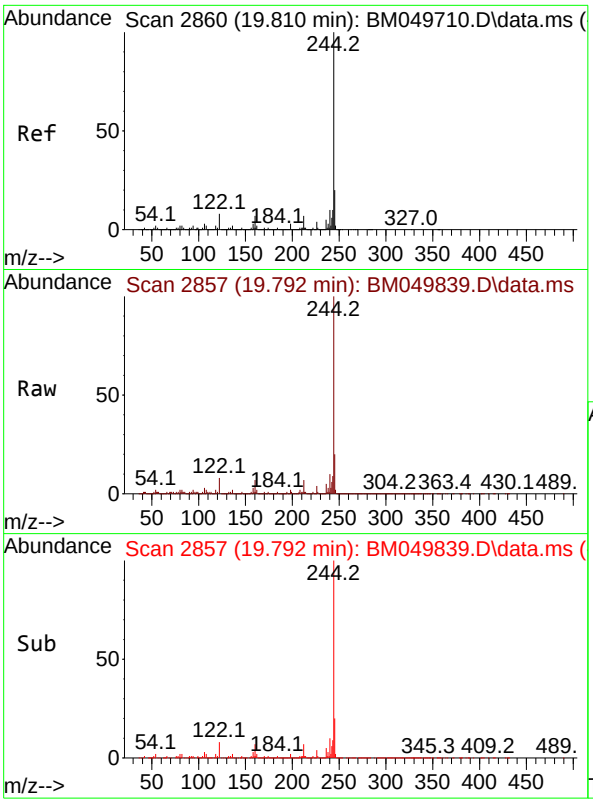


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:240 Resp: 1483521

Ion	Ratio	Lower	Upper
240	100		
120	9.2	6.5	9.7
236	25.2	20.7	31.1



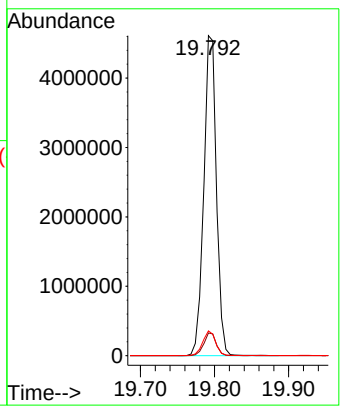


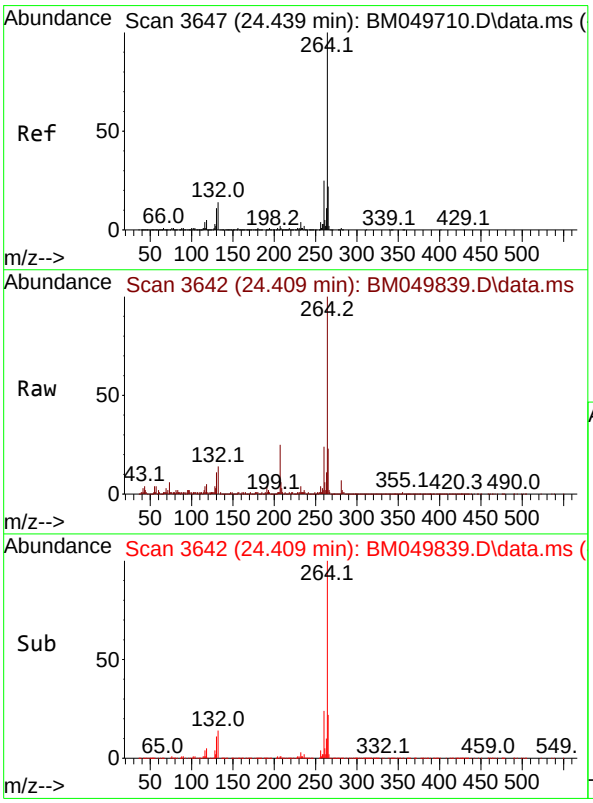
#79
Terphenyl-d14
Concen: 62.079 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion:244 Resp: 5465209

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	7.8	6.0	9.0

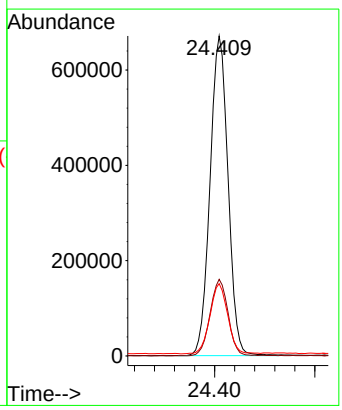




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. -0.030 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:264 Resp: 1673412

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	22.6	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049837.D
Acq On : 07 Apr 2025 13:24
Operator : RC/JU
Sample : Q1675-20
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K2

Quant Time: Apr 07 14:11:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.786	152	388663	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	1349629	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	890473	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1740086	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1657124	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1901763	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2017653	87.594	ng	-0.02
7) Phenol-d6	6.957	99	2393051	82.785	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1375296	52.318	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	1406785	135.293	ng	-0.02
45) 2-Fluorobiphenyl	13.045	172	3685119	51.828	ng	-0.02
79) Terphenyl-d14	19.797	244	5518910	56.122	ng	-0.01
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.315	149	153685	2.745	ng	98

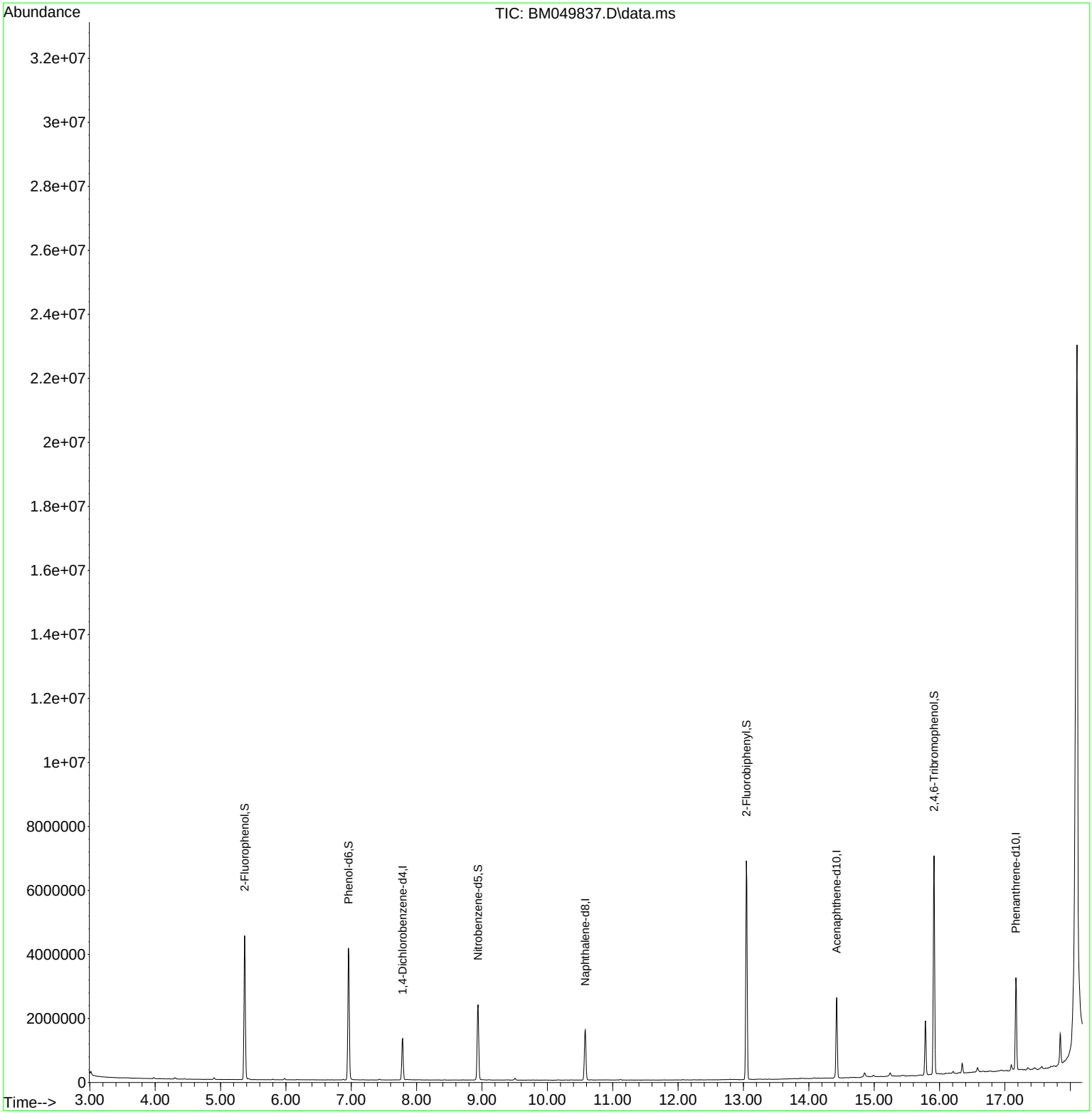
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BM049837.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049837.D
Acq On : 07 Apr 2025 13:24
Operator : RC/JU
Sample : Q1675-20
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K2

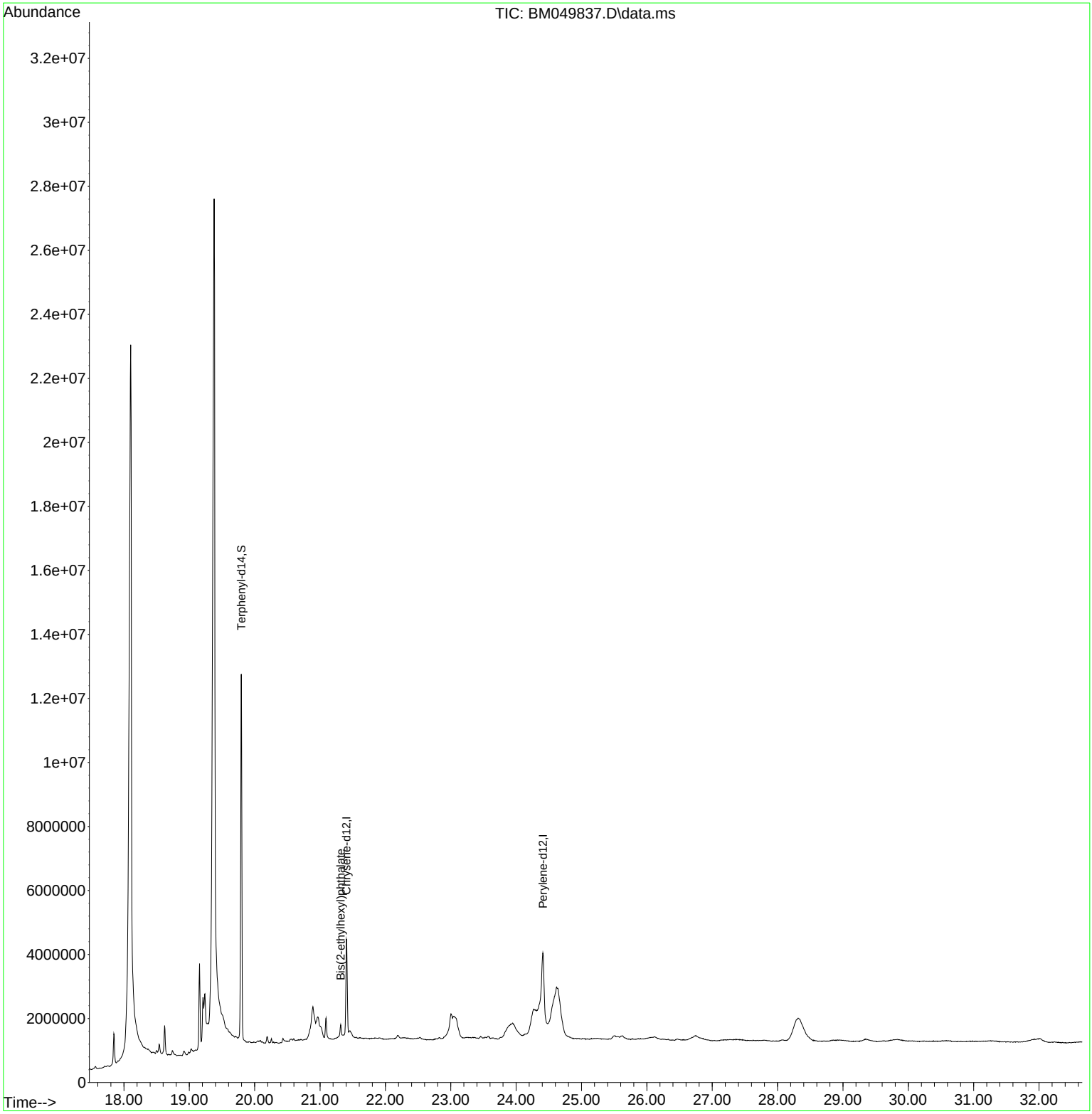
Quant Time: Apr 07 14:11:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

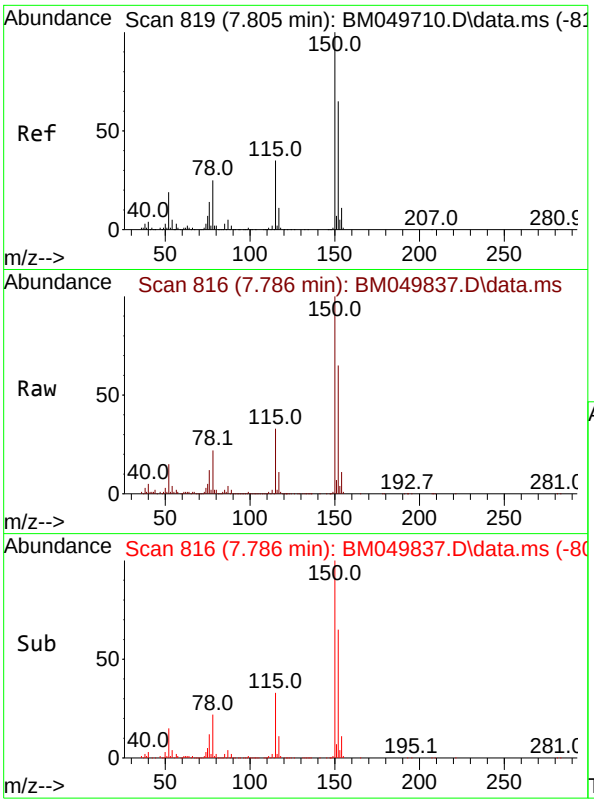


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049837.D
Acq On : 07 Apr 2025 13:24
Operator : RC/JU
Sample : Q1675-20
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K2

Quant Time: Apr 07 14:11:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



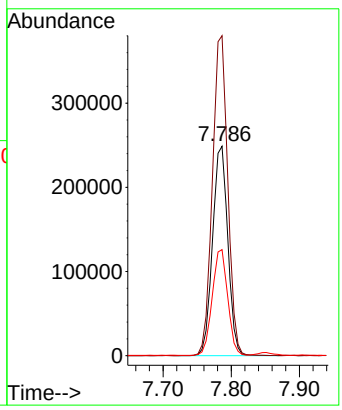


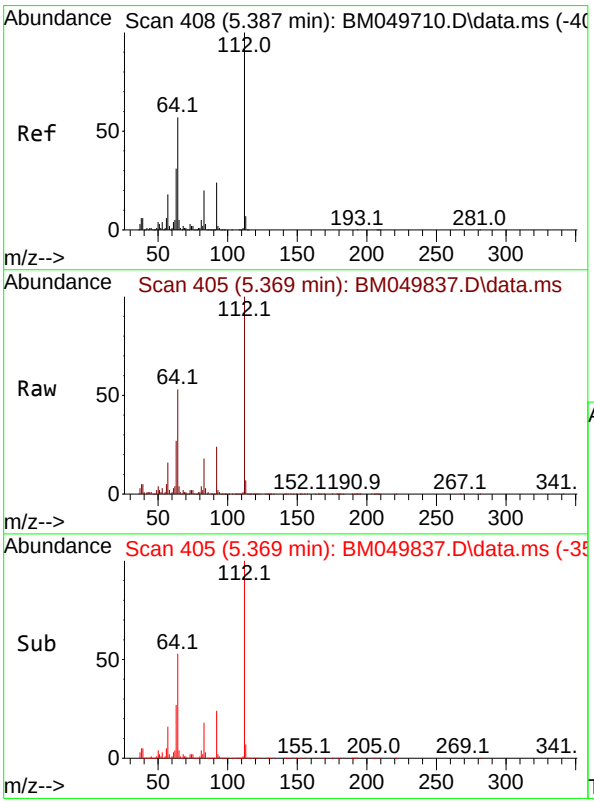
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.786 min Scan# 81
Delta R.T. -0.019 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion:152 Resp: 388663

Ion	Ratio	Lower	Upper
152	100		
150	152.7	123.8	185.8
115	50.6	43.0	64.6

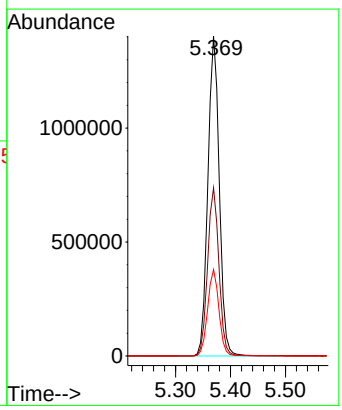


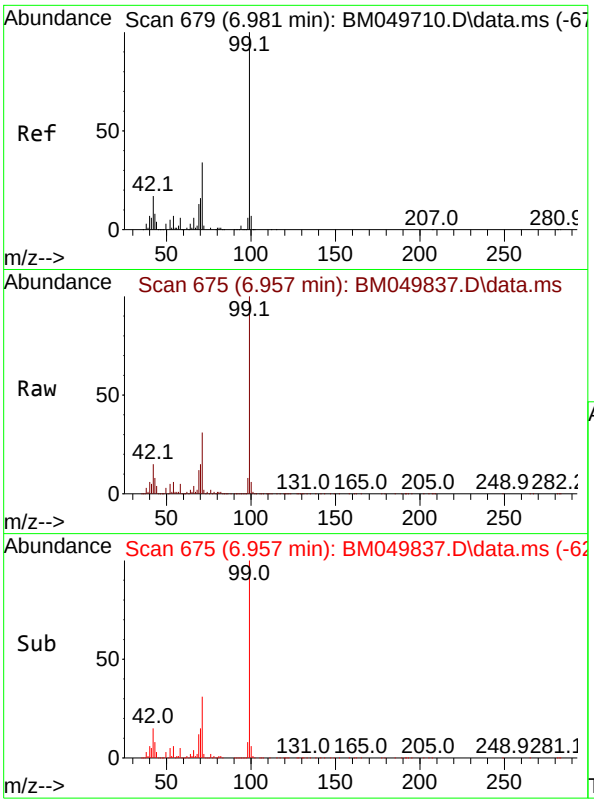


#5
2-Fluorophenol
Concen: 87.594 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:112 Resp: 2017653

Ion	Ratio	Lower	Upper
112	100		
64	52.6	45.3	67.9
63	27.0	24.4	36.6



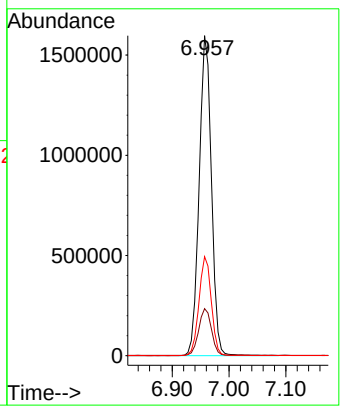


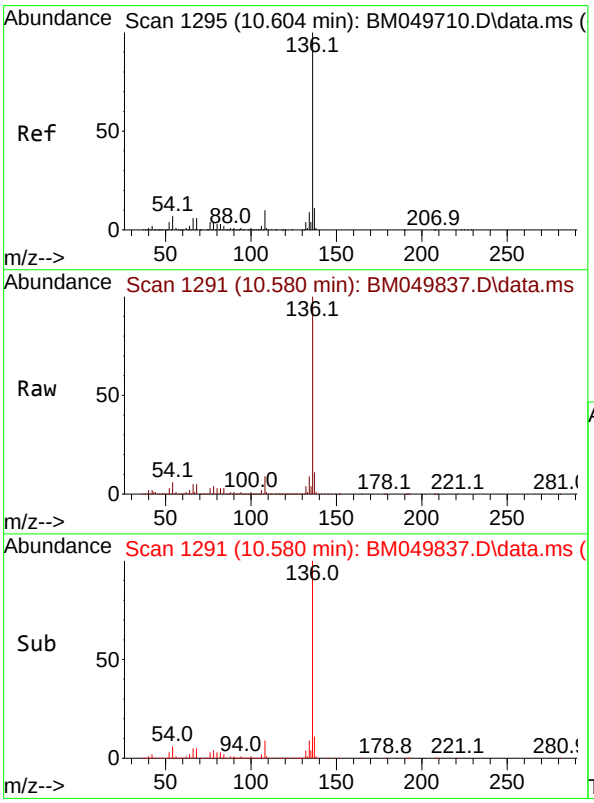
#7
Phenol-d6
Concen: 82.785 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion: 99 Resp: 2393051

Ion	Ratio	Lower	Upper
99	100		
42	14.7	13.6	20.4
71	31.0	27.0	40.6

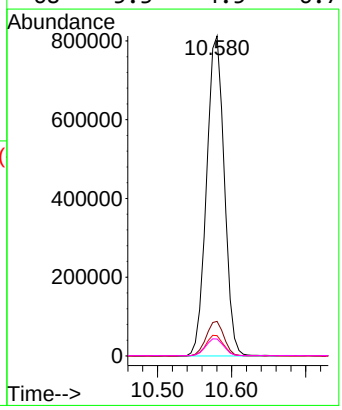


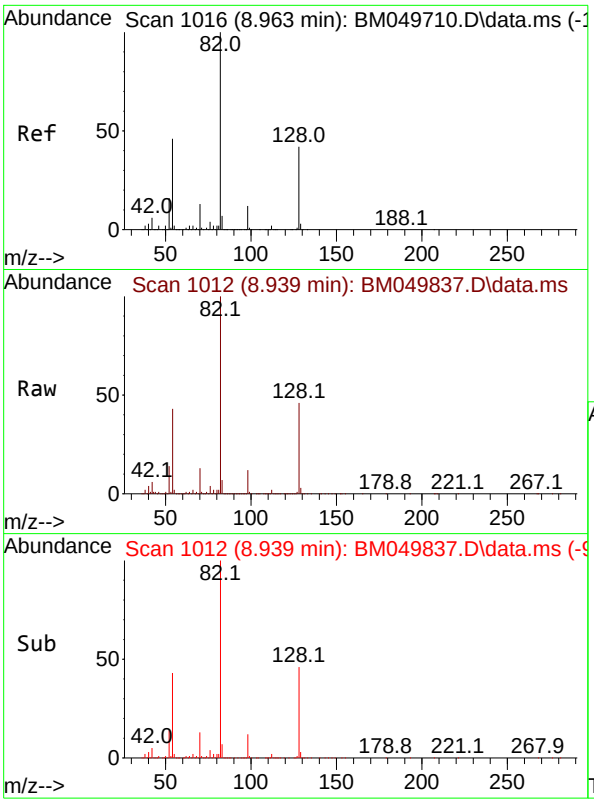


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:136 Resp: 1349629

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	6.4	5.8	8.8
68	5.3	4.5	6.7



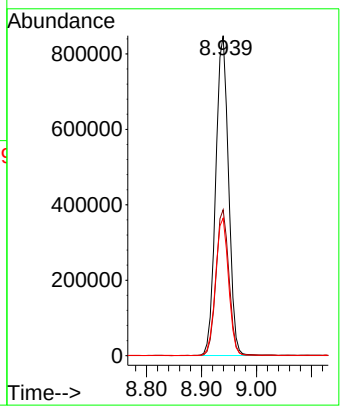


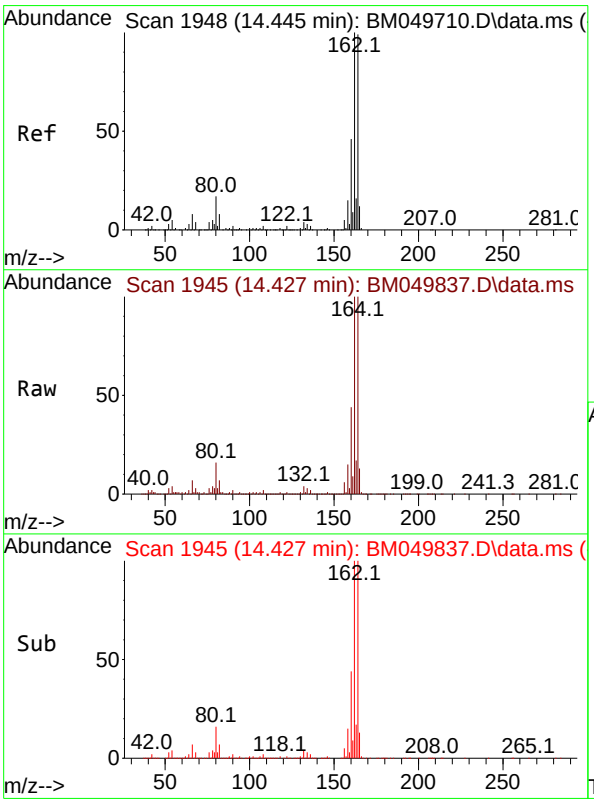
#23
Nitrobenzene-d5
Concen: 52.318 ng
RT: 8.939 min Scan# 1(
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion: 82 Resp: 1375296

Ion	Ratio	Lower	Upper
82	100		
128	45.6	33.4	50.0
54	43.0	36.4	54.6

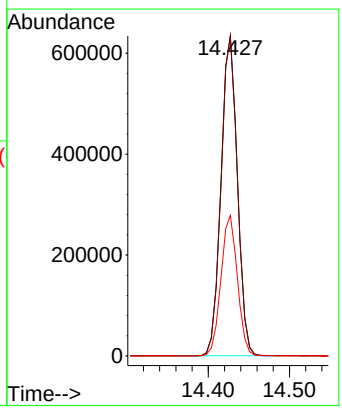


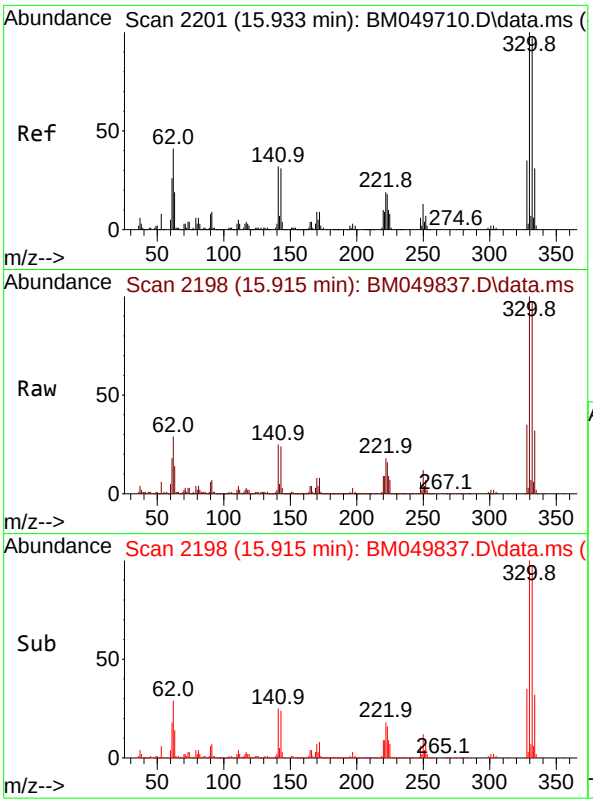


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:164 Resp: 890473

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.5	120.7
160	44.0	36.9	55.3



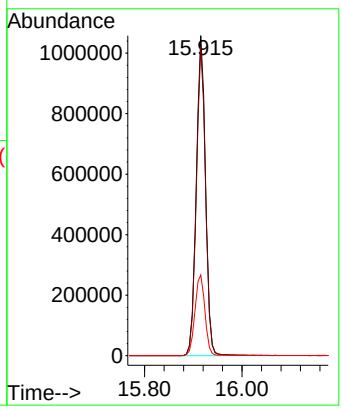


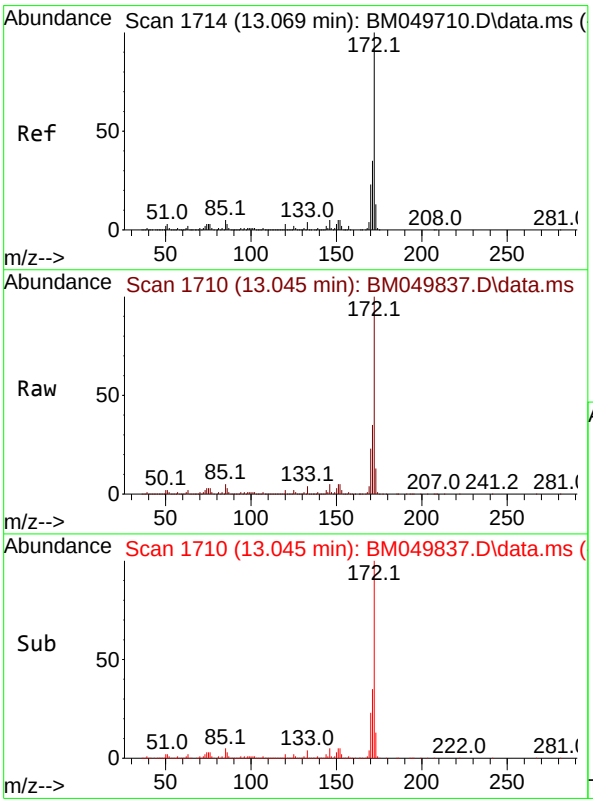
#42
2,4,6-Tribromophenol
Concen: 135.293 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion:330 Resp: 1406785

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.4
141	27.0	27.8	41.6#

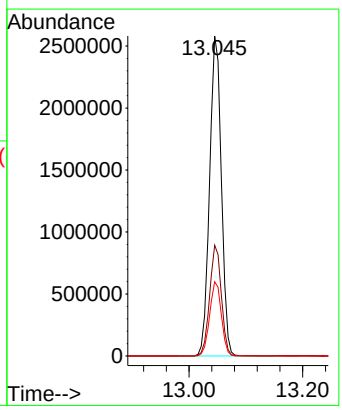


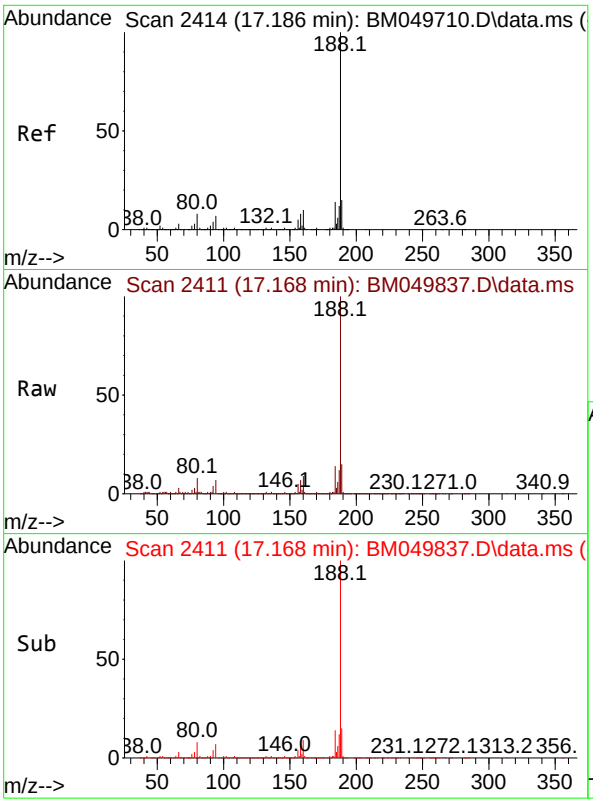


#45
2-Fluorobiphenyl
Concen: 51.828 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:172 Resp: 3685119

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.9	41.9
170	23.2	18.6	28.0



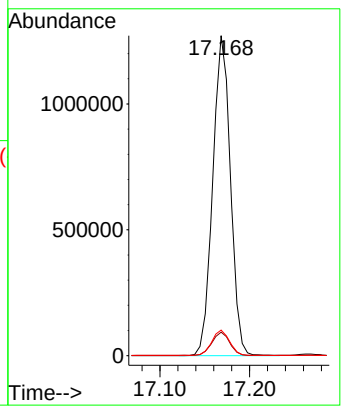


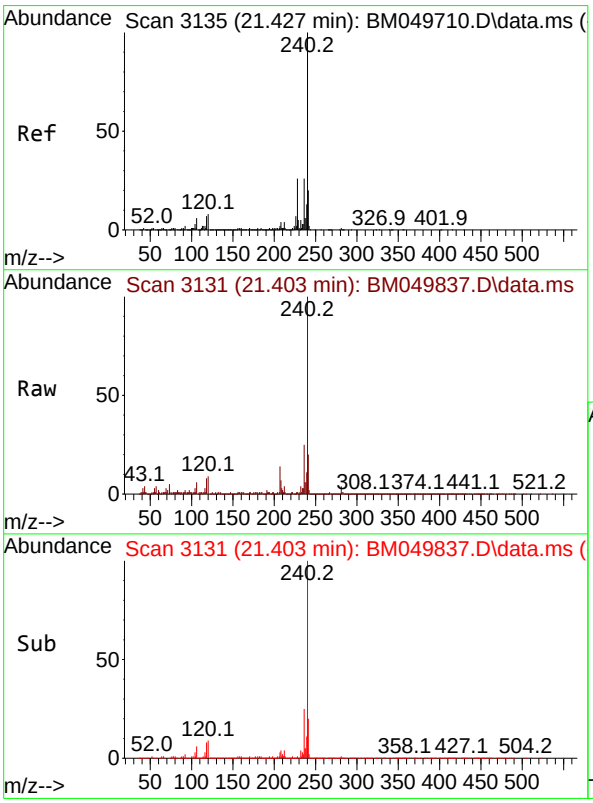
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion:188 Resp: 1740086

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	8.0	6.3	9.5

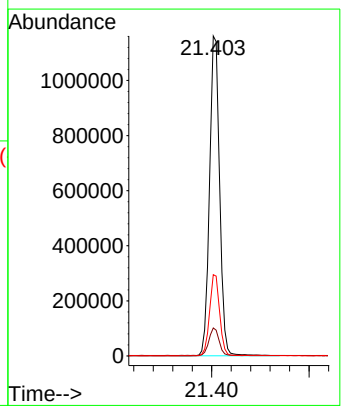


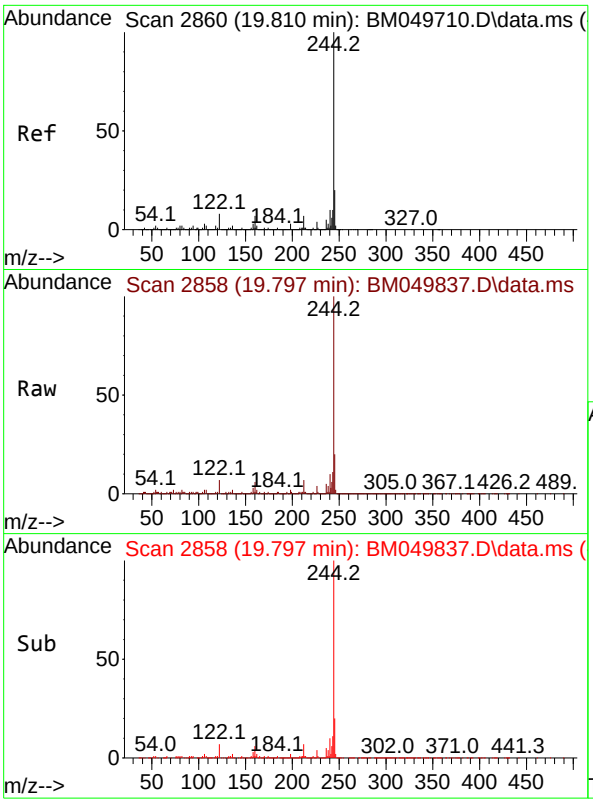


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:240 Resp: 1657124

Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.5	9.7
236	25.4	20.7	31.1



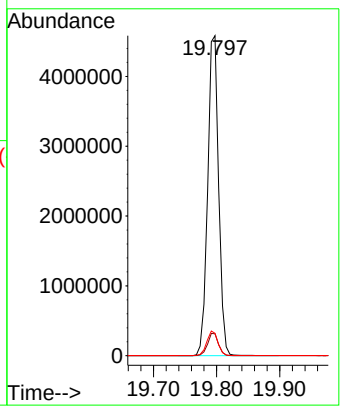


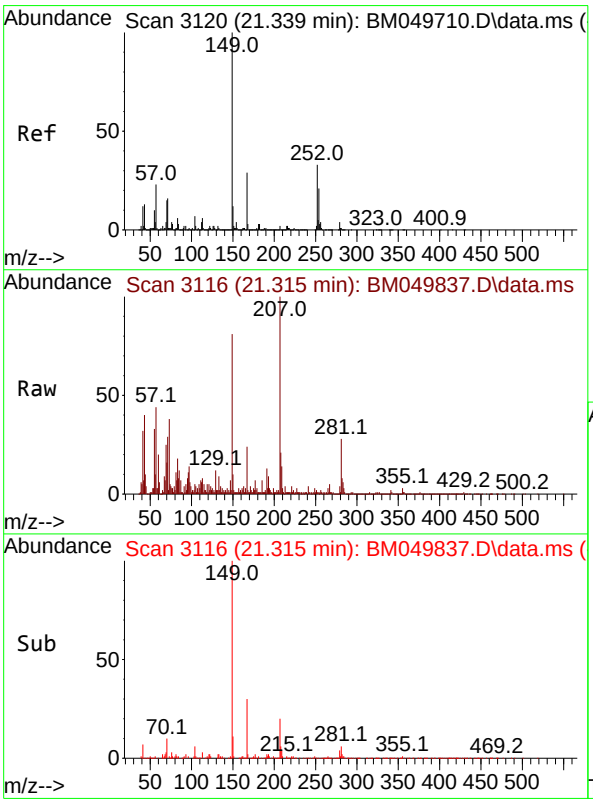
#79
Terphenyl-d14
Concen: 56.122 ng
RT: 19.797 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion:244 Resp: 5518910

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	7.0	6.0	9.0

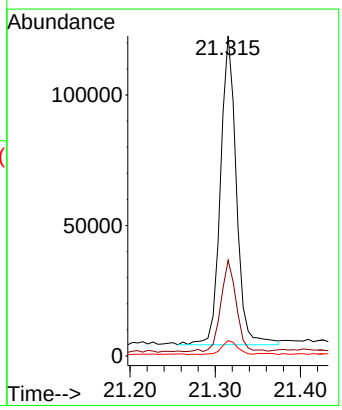


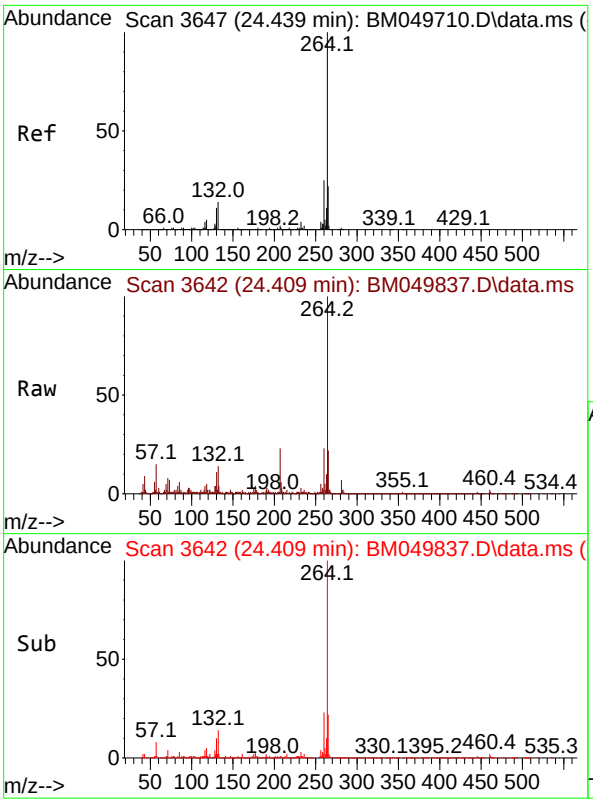


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.745 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:149 Resp: 153685

Ion	Ratio	Lower	Upper
149	100		
167	29.9	22.9	34.3
279	4.8	3.5	5.3



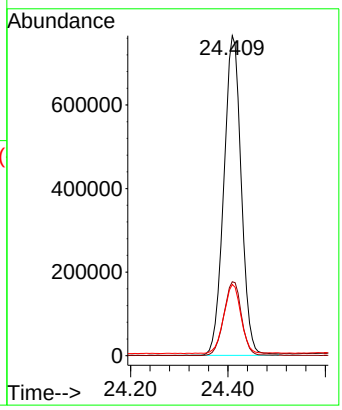


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3
Delta R.T. -0.030 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion:264 Resp: 1901763

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.6	29.4
265	22.3	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049836.D
Acq On : 07 Apr 2025 12:45
Operator : RC/JU
Sample : Q1675-21
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K3

Quant Time: Apr 07 13:29:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

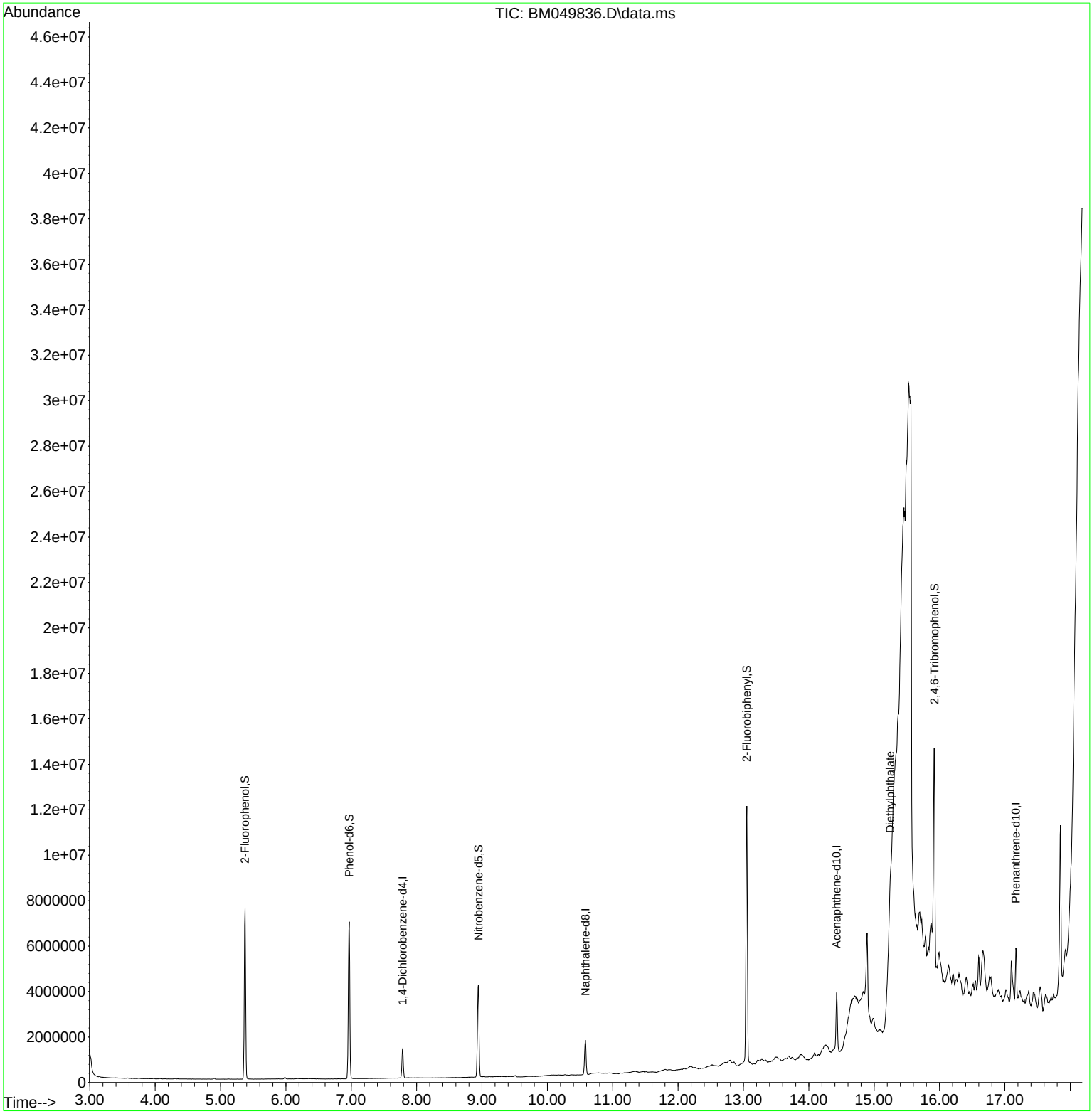
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	363599	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	1272904	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	788938	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1589873	20.000	ng	-0.02
76) Chrysene-d12	21.409	240	1823026	20.000	ng	-0.02
86) Perylene-d12	24.415	264	1861603	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	3364924	156.153	ng	-0.01
7) Phenol-d6	6.969	99	4105952	151.832	ng	-0.01
23) Nitrobenzene-d5	8.945	82	2393867	96.555	ng	-0.02
42) 2,4,6-Tribromophenol	15.922	330	2402066	260.742	ng	-0.01
45) 2-Fluorobiphenyl	13.051	172	6079965	96.515	ng	-0.02
79) Terphenyl-d14	19.804	244	9616381	88.889	ng	0.00
Target Compounds						Qvalue
60) Diethylphthalate	15.245	149	540955	10.574	ng	95
84) Bis(2-ethylhexyl)phtha...	21.321	149	202063	3.280	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049836.D
Acq On : 07 Apr 2025 12:45
Operator : RC/JU
Sample : Q1675-21
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K3

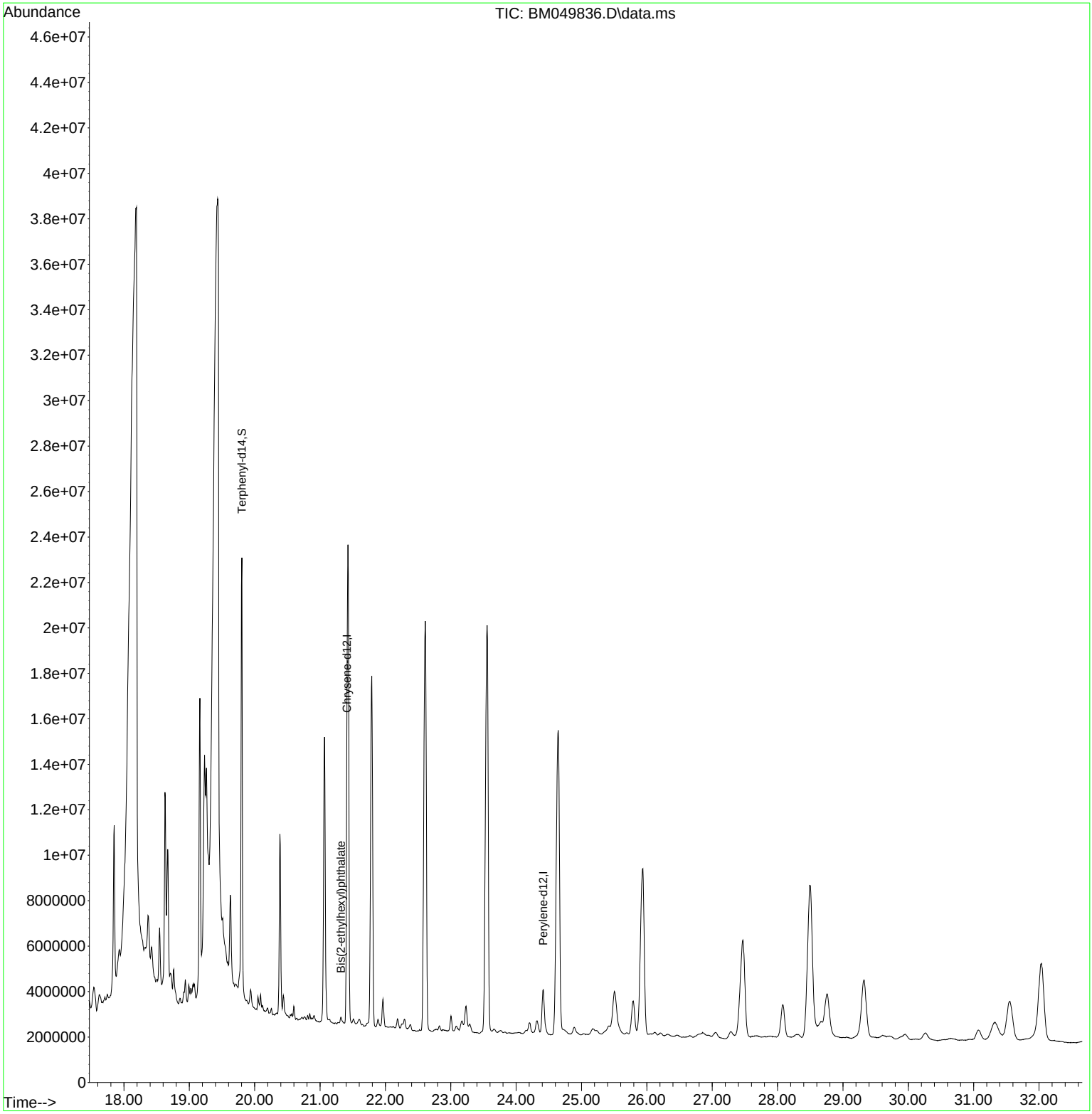
Quant Time: Apr 07 13:29:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

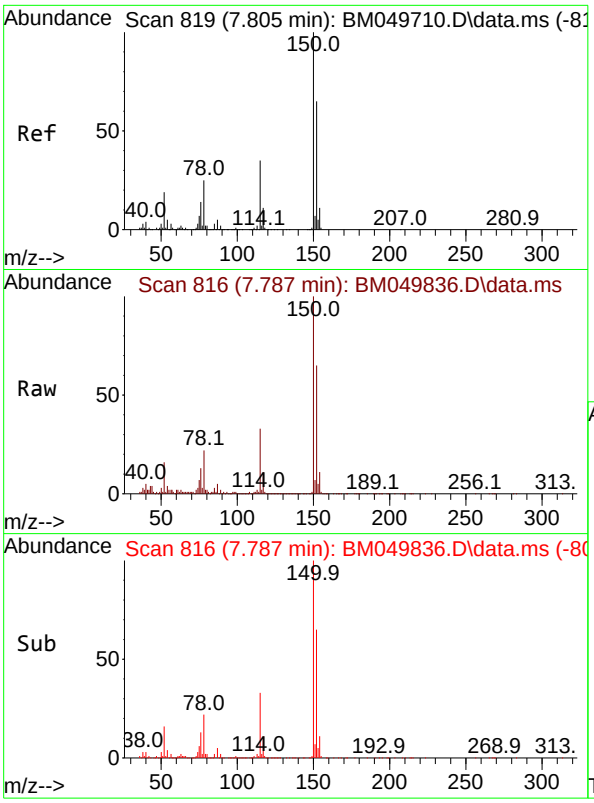


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049836.D
Acq On : 07 Apr 2025 12:45
Operator : RC/JU
Sample : Q1675-21
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K3

Quant Time: Apr 07 13:29:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



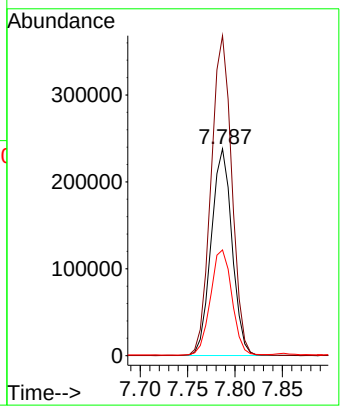


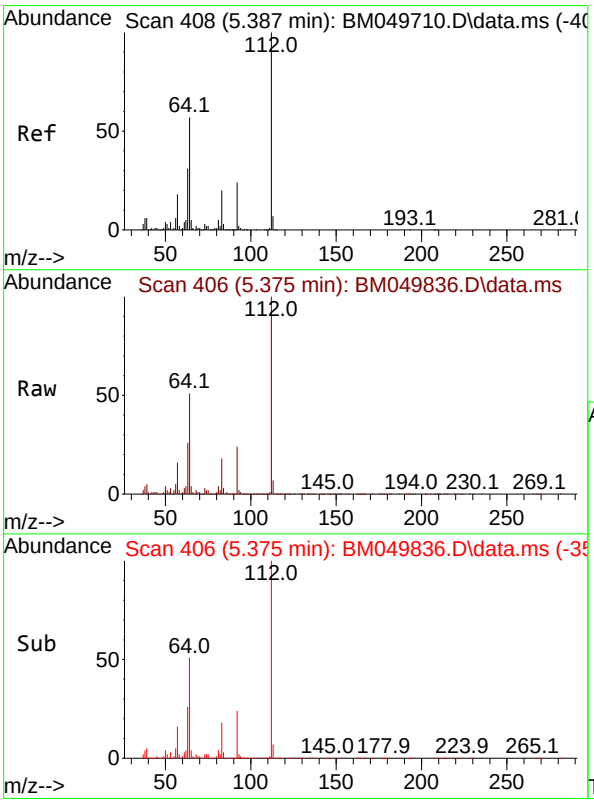
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion:152 Resp: 363599

Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.8	185.8
115	51.1	43.0	64.6

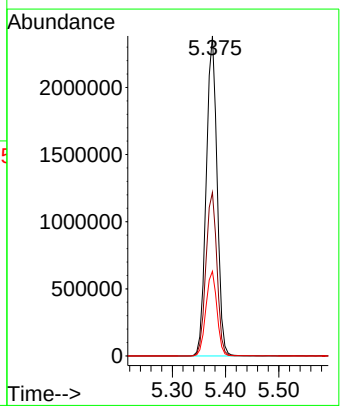




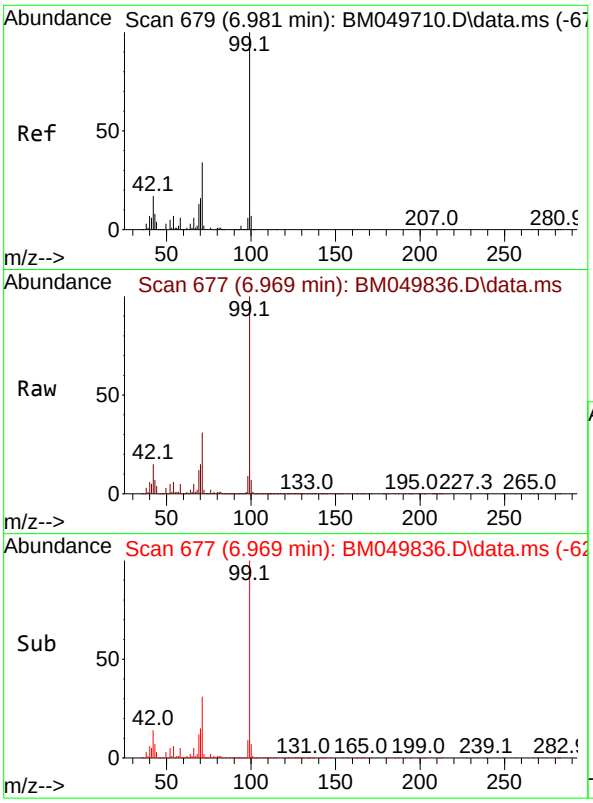
#5
2-Fluorophenol
Concen: 156.153 ng
RT: 5.375 min Scan# 406
Delta R.T. -0.012 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:112 Resp: 3364924

Ion	Ratio	Lower	Upper
112	100		
64	51.1	45.3	67.9
63	26.5	24.4	36.6



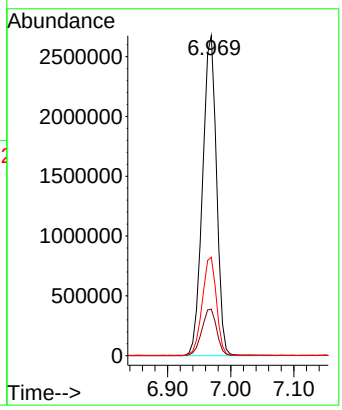
Instrument :
BNA_M
ClientSampleId :
K3

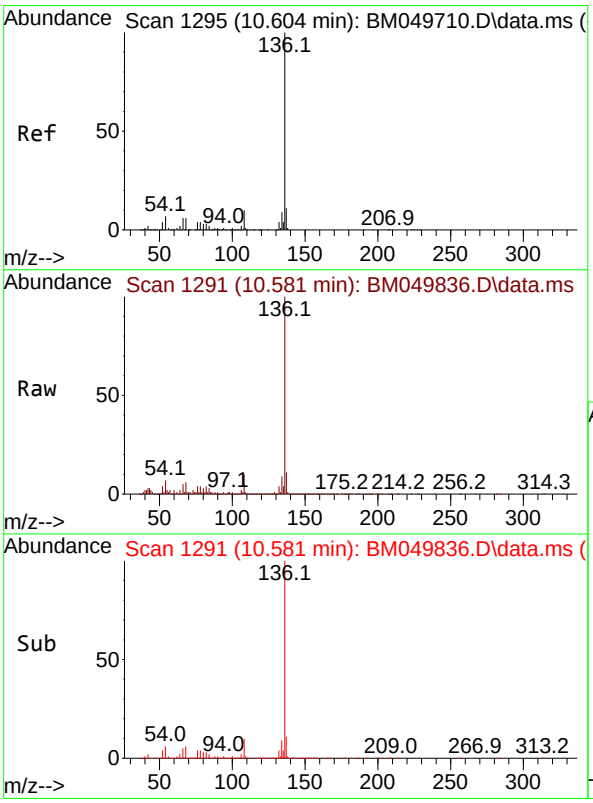


#7
Phenol-d6
Concen: 151.832 ng
RT: 6.969 min Scan# 6
Delta R.T. -0.012 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion: 99 Resp: 4105952

Ion	Ratio	Lower	Upper
99	100		
42	14.5	13.6	20.4
71	30.8	27.0	40.6

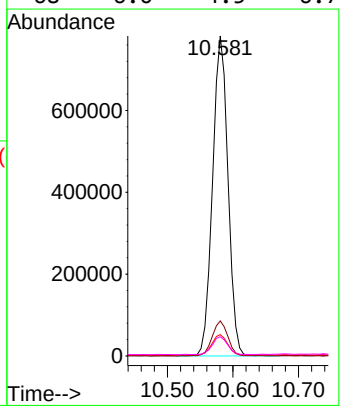


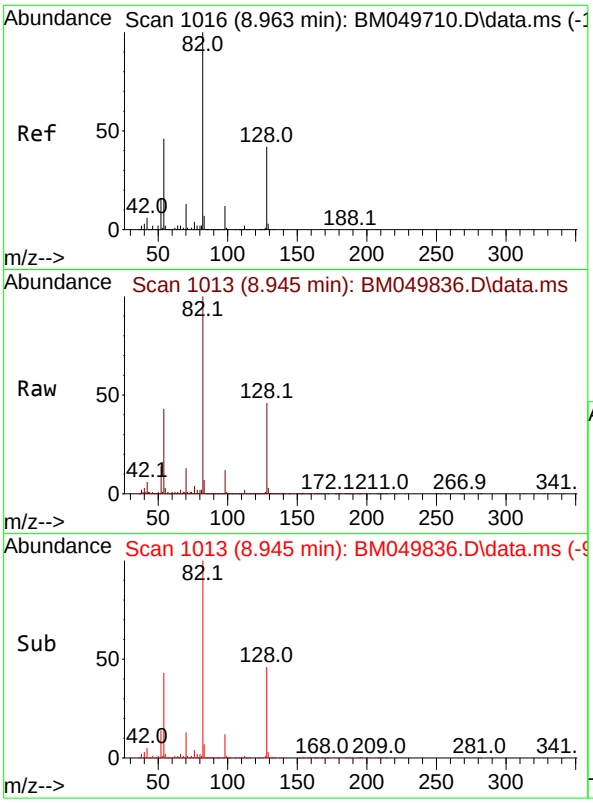


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:136 Resp: 1272904

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	6.7	5.8	8.8
68	6.0	4.5	6.7



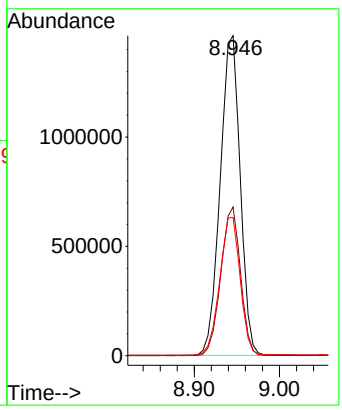


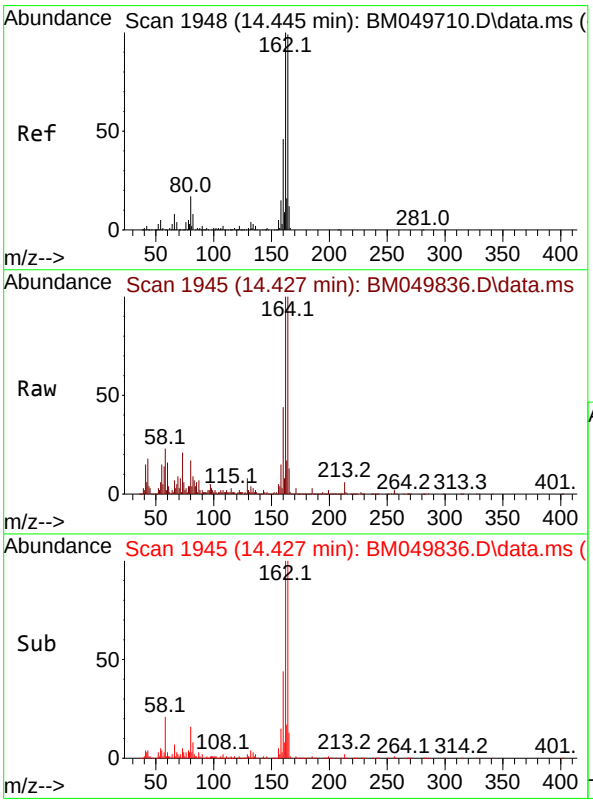
#23
Nitrobenzene-d5
Concen: 96.555 ng
RT: 8.945 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion: 82 Resp: 2393867

Ion	Ratio	Lower	Upper
82	100		
128	46.4	33.4	50.0
54	43.2	36.4	54.6

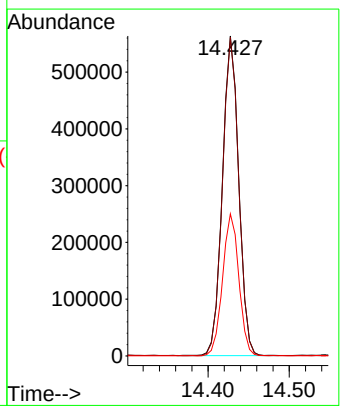


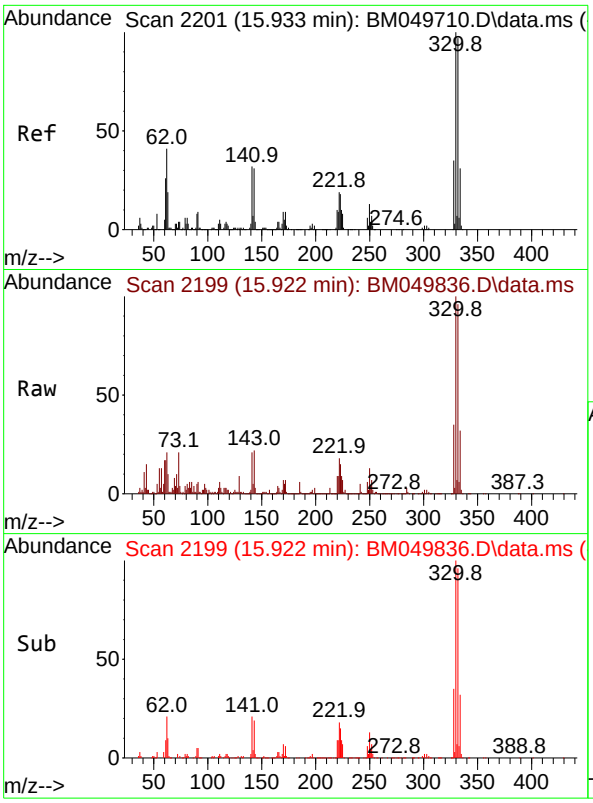


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:164 Resp: 788938

Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.5	120.7
160	44.4	36.9	55.3



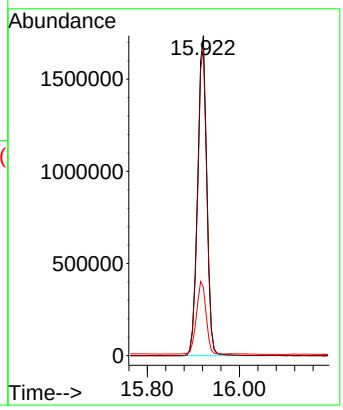


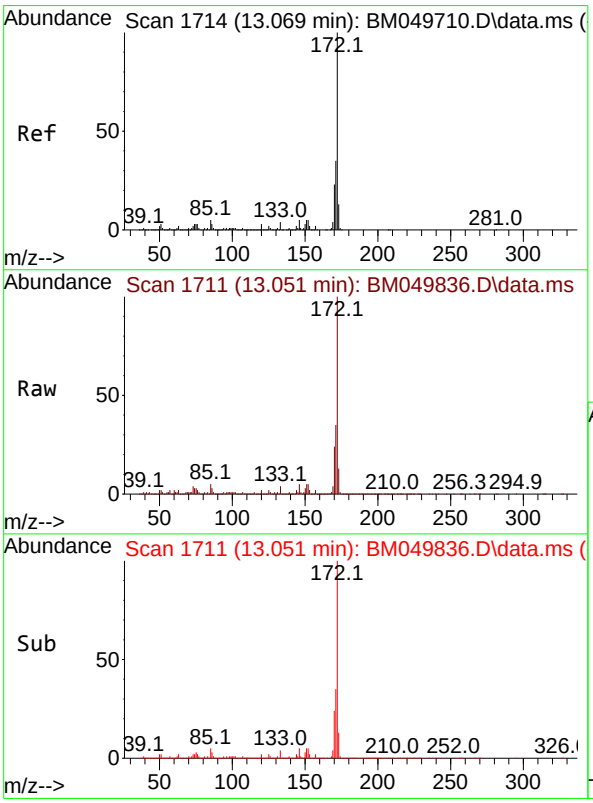
#42
2,4,6-Tribromophenol
Concen: 260.742 ng
RT: 15.922 min Scan# 21
Delta R.T. -0.011 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion:330 Resp: 2402066

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.4
141	23.5	27.8	41.6#

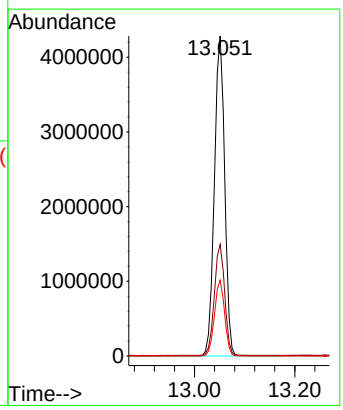


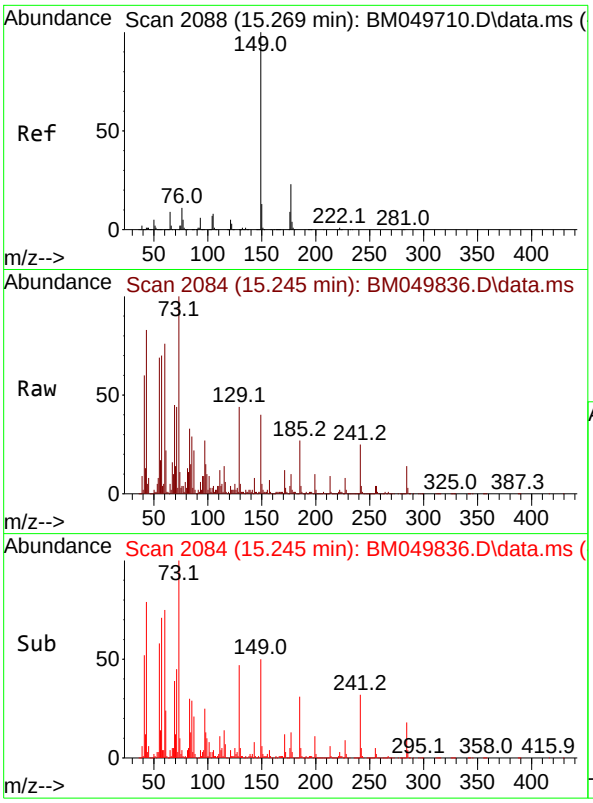


#45
2-Fluorobiphenyl
Concen: 96.515 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:172 Resp: 6079965

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.9	41.9
170	23.7	18.6	28.0



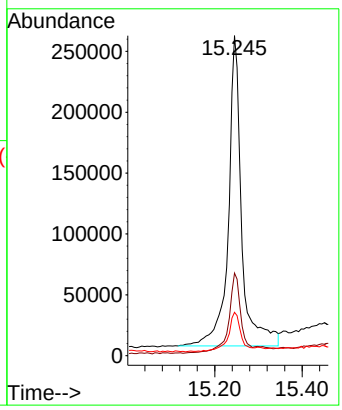


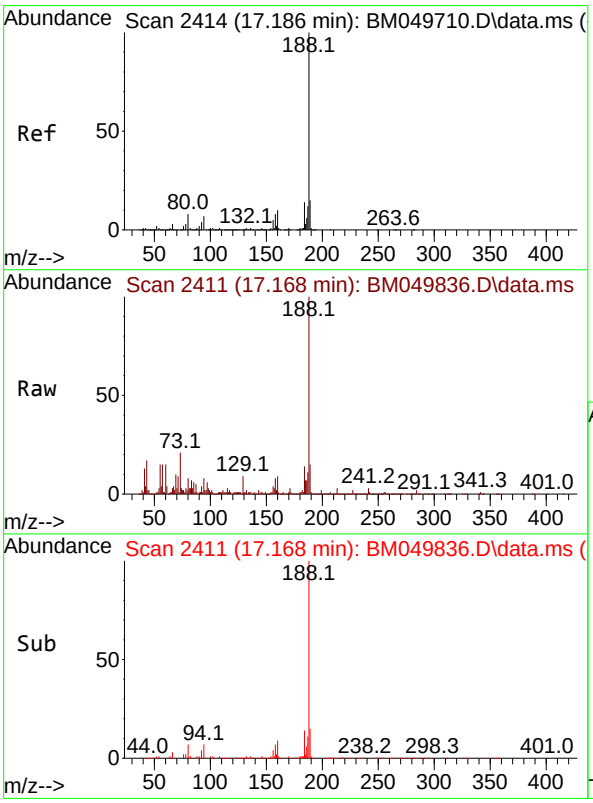
#60
Diethylphthalate
Concen: 10.574 ng
RT: 15.245 min Scan# 2
Delta R.T. -0.024 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion:149 Resp: 540955

Ion	Ratio	Lower	Upper
149	100		
177	25.8	18.2	27.2
150	13.6	10.0	15.0

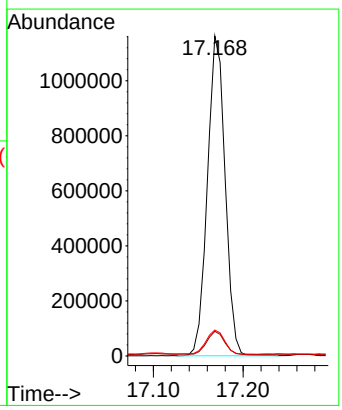


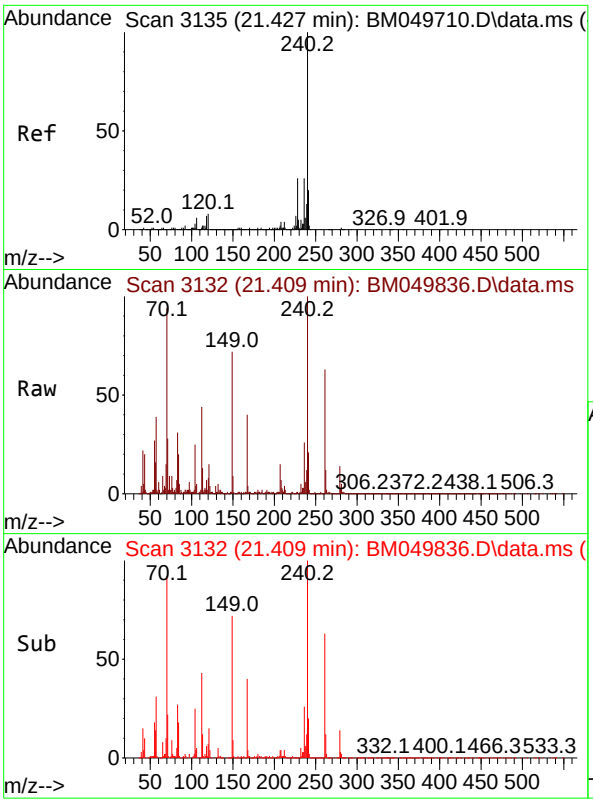


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 2411
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:188 Resp: 1589873

Ion	Ratio	Lower	Upper
188	100		
94	7.7	5.8	8.6
80	8.1	6.3	9.5



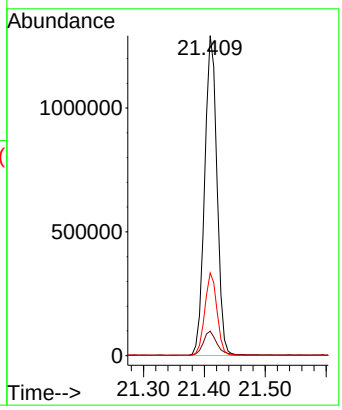


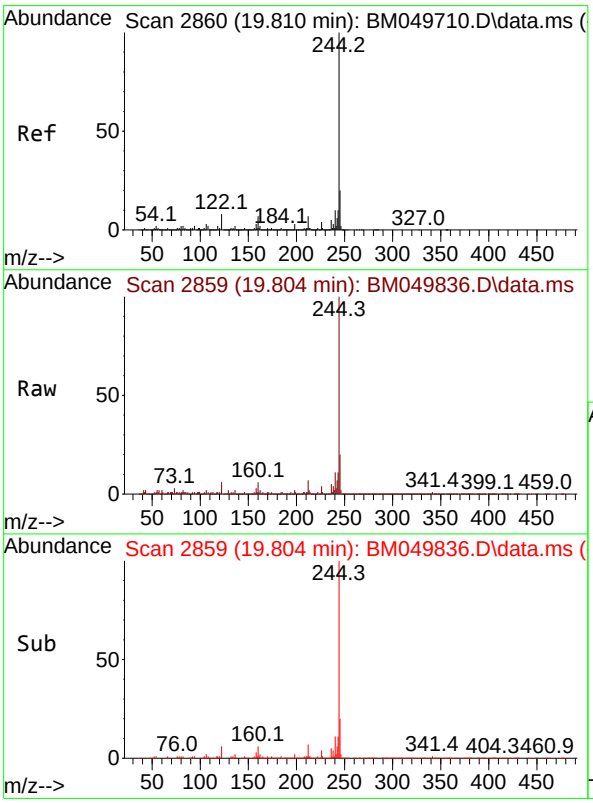
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion:240 Resp: 1823026

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	25.8	20.7	31.1

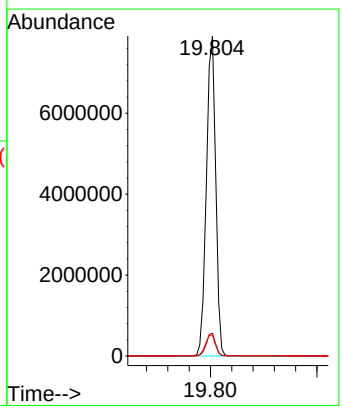


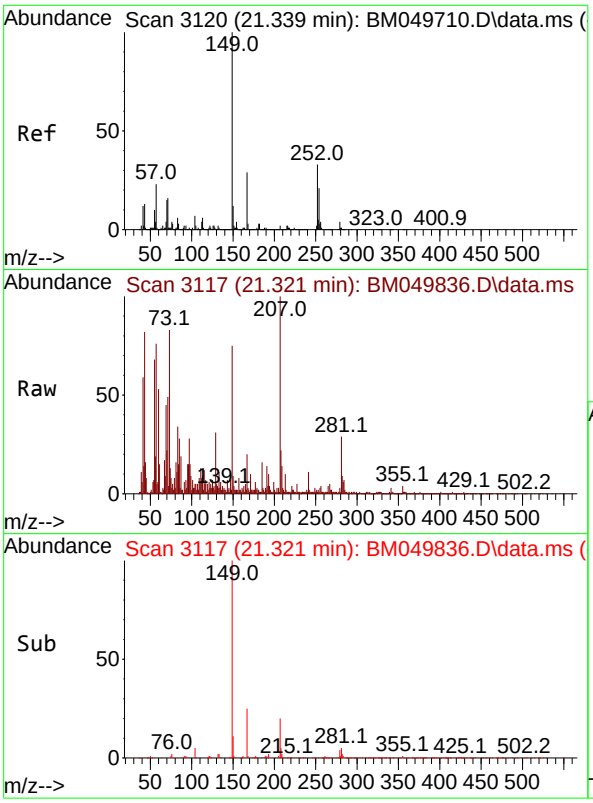


#79
Terphenyl-d14
Concen: 88.889 ng
RT: 19.804 min Scan# 2859
Delta R.T. -0.006 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:244 Resp: 9616381

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	6.5	6.0	9.0



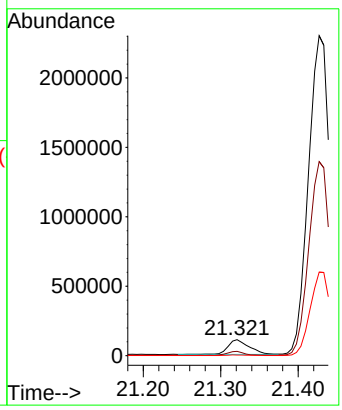


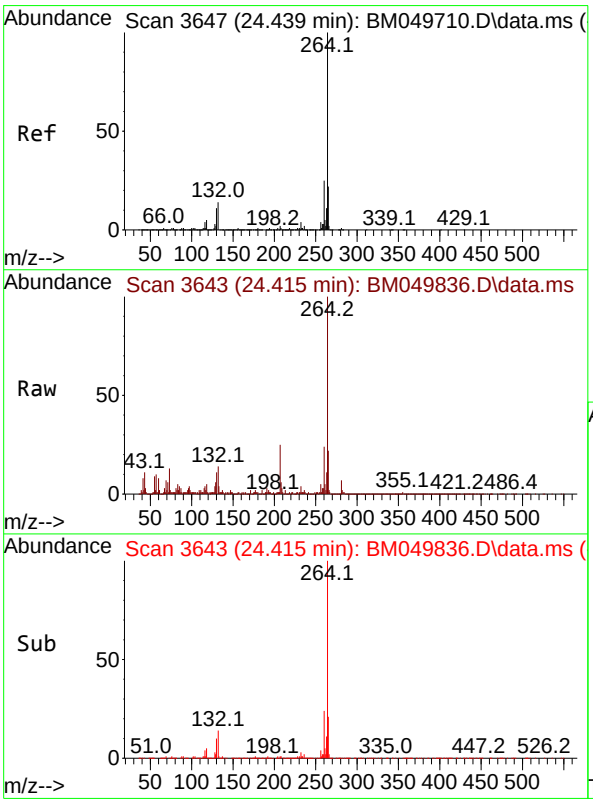
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.280 ng
RT: 21.321 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion:149 Resp: 202063

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.9	34.3
279	4.5	3.5	5.3

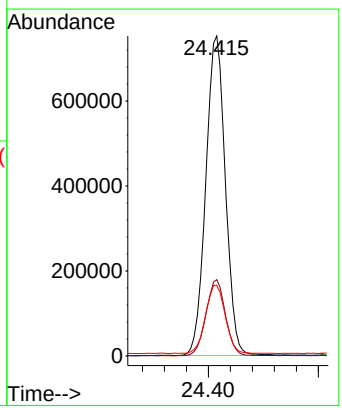




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.415 min Scan# 3643
Delta R.T. -0.024 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:264 Resp: 1861603

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	22.0	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049834.D
Acq On : 07 Apr 2025 11:23
Operator : RC/JU
Sample : PB167457BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Quant Time: Apr 07 12:18:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

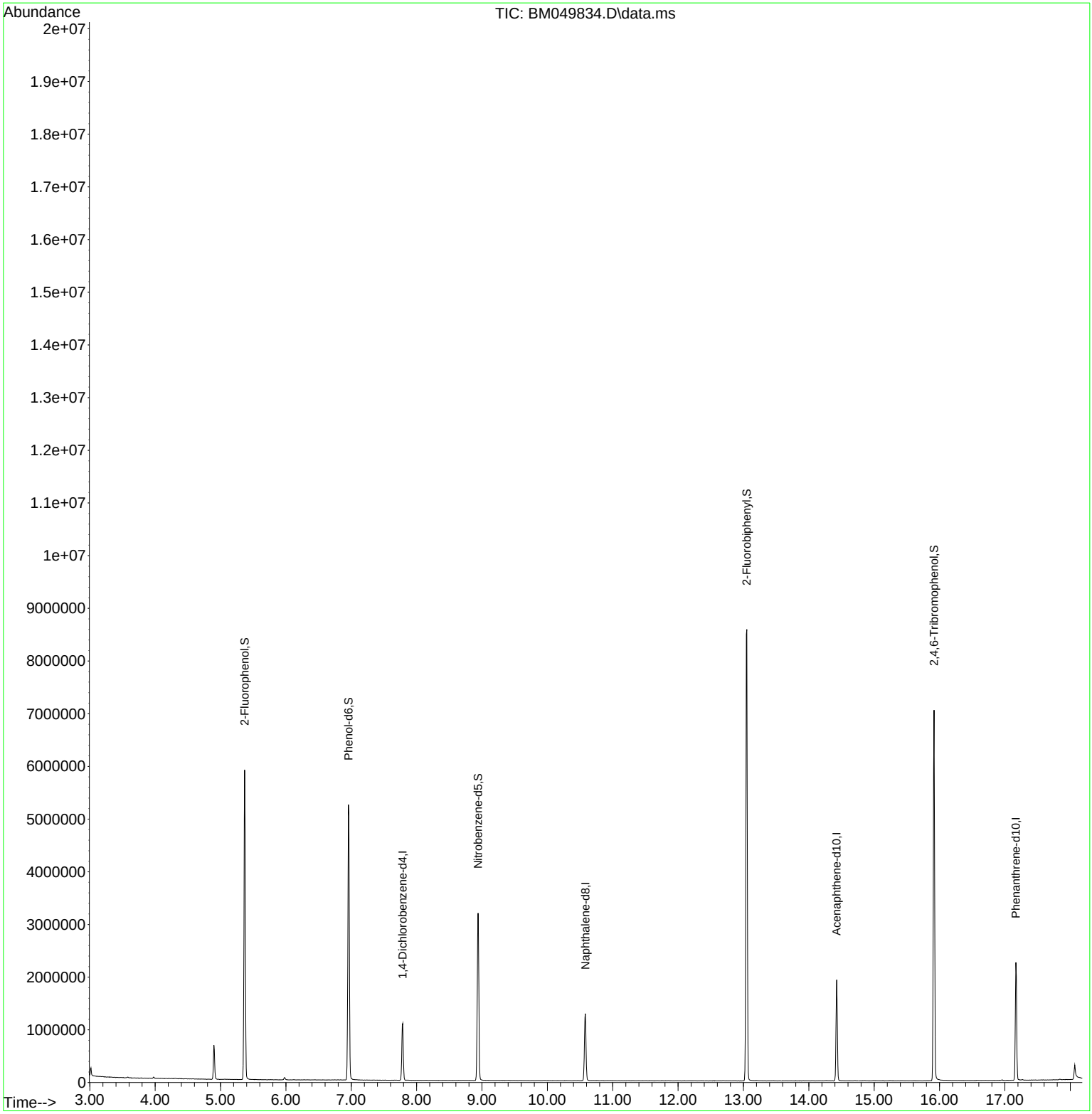
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	317785	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	1088351	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	684928	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1337160	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1275922	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1458537	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2552711	135.540	ng	-0.02
7) Phenol-d6	6.957	99	3081086	130.360	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1830612	86.357	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	1396852	174.652	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	4727924	86.449	ng	-0.02
79) Terphenyl-d14	19.797	244	7746331	102.306	ng	-0.01
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049834.D
Acq On : 07 Apr 2025 11:23
Operator : RC/JU
Sample : PB167457BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BL

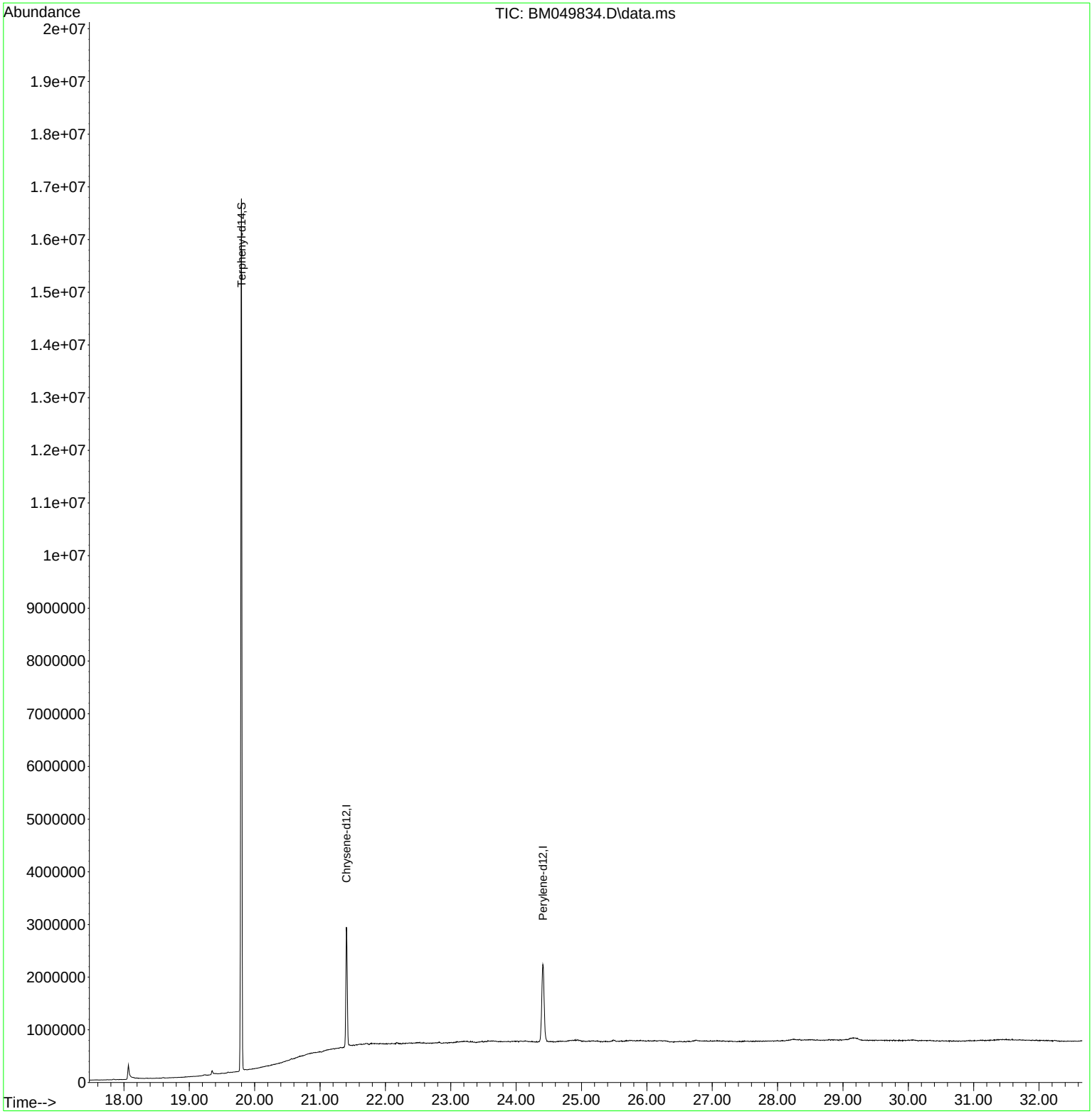
Quant Time: Apr 07 12:18:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

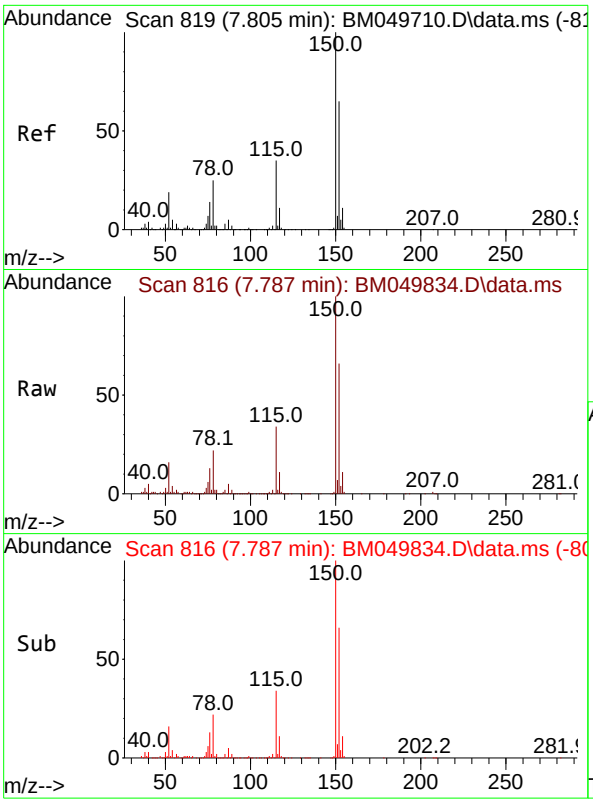


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049834.D
Acq On : 07 Apr 2025 11:23
Operator : RC/JU
Sample : PB167457BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Quant Time: Apr 07 12:18:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



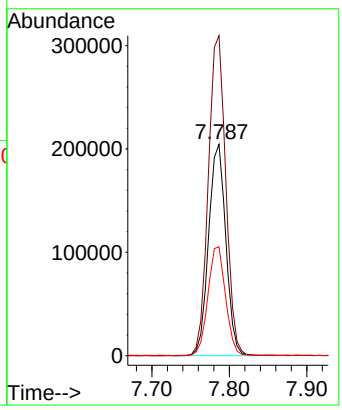


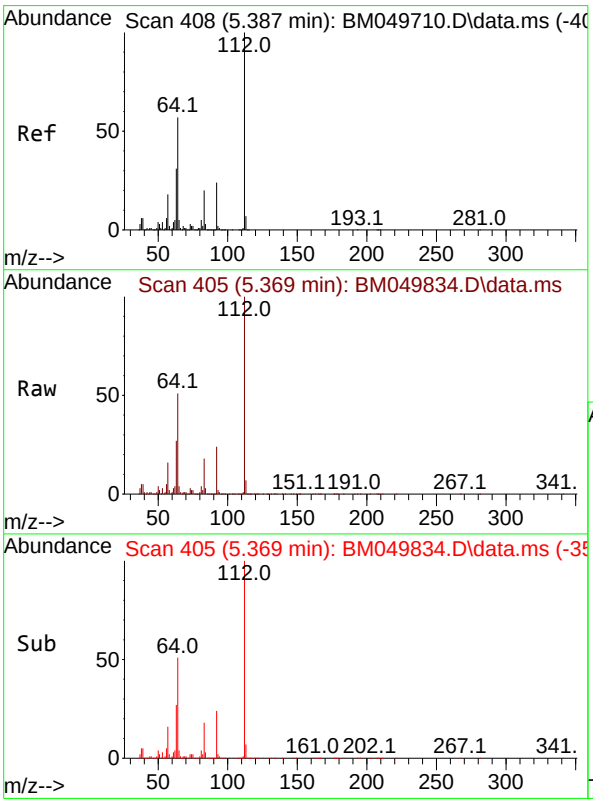
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion:152 Resp: 317785

Ion	Ratio	Lower	Upper
152	100		
150	151.4	123.8	185.8
115	51.6	43.0	64.6

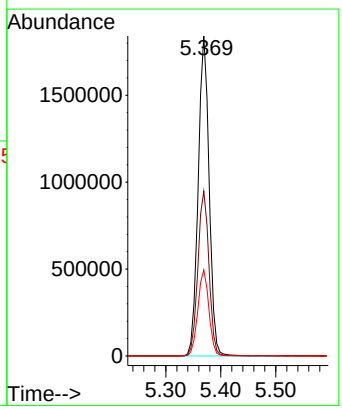


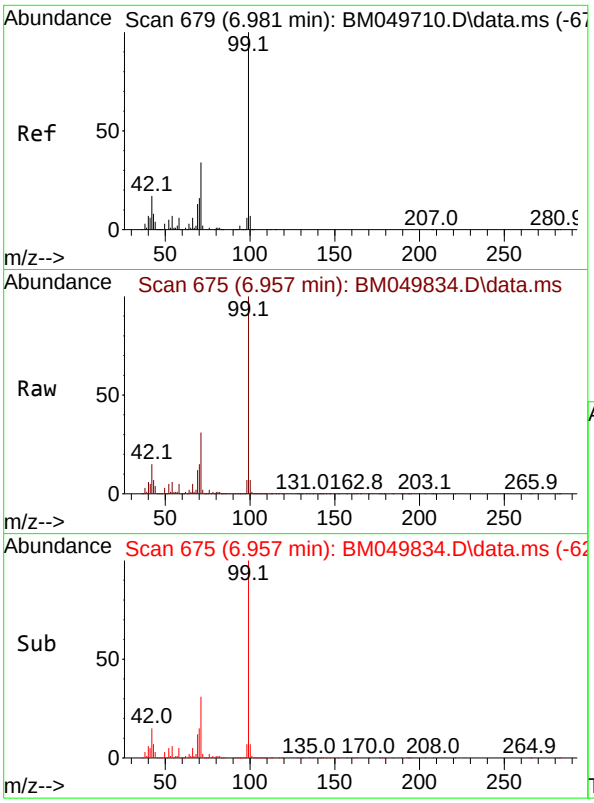


#5
2-Fluorophenol
Concen: 135.540 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:112 Resp: 2552711

Ion	Ratio	Lower	Upper
112	100		
64	51.5	45.3	67.9
63	26.9	24.4	36.6



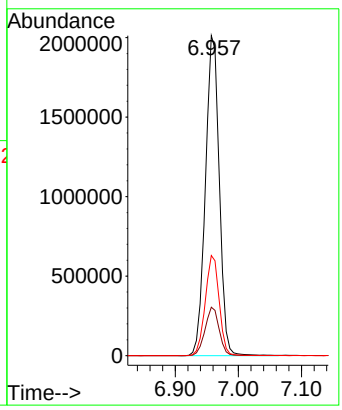


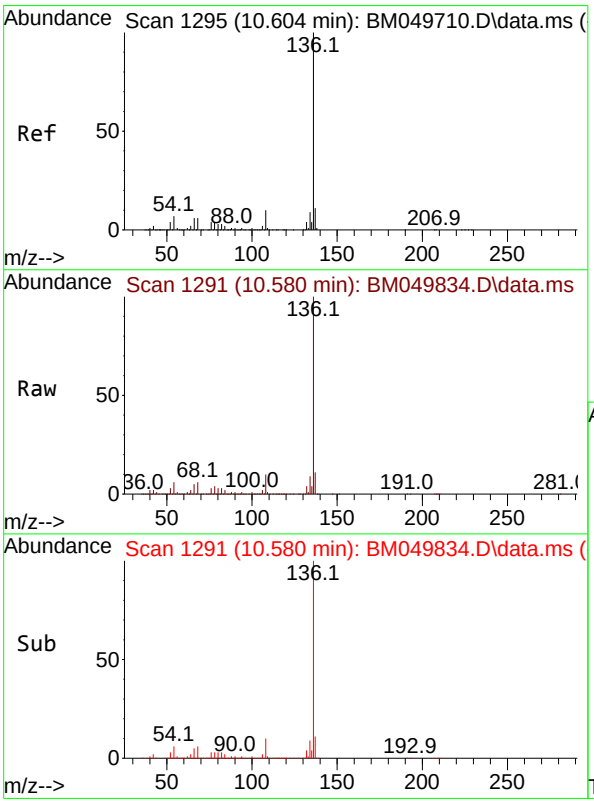
#7
Phenol-d6
Concen: 130.360 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion: 99 Resp: 3081086

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.6	20.4
71	31.3	27.0	40.6

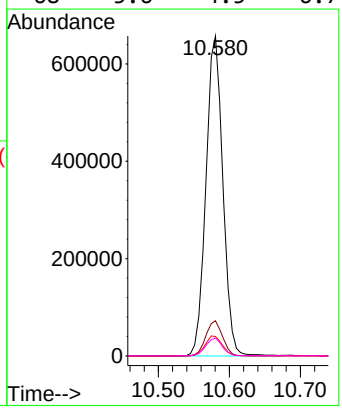


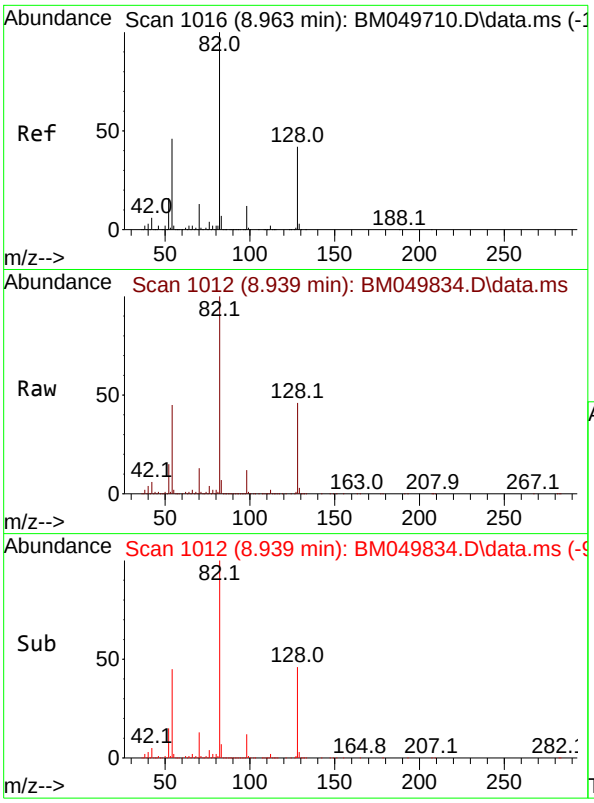


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:136 Resp: 1088351

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	6.1	5.8	8.8
68	5.6	4.5	6.7



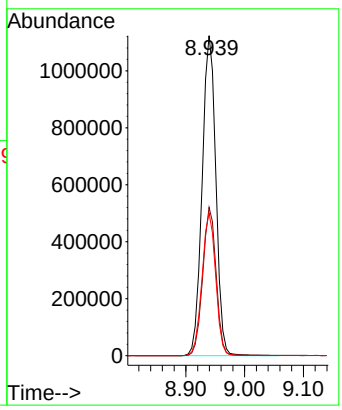


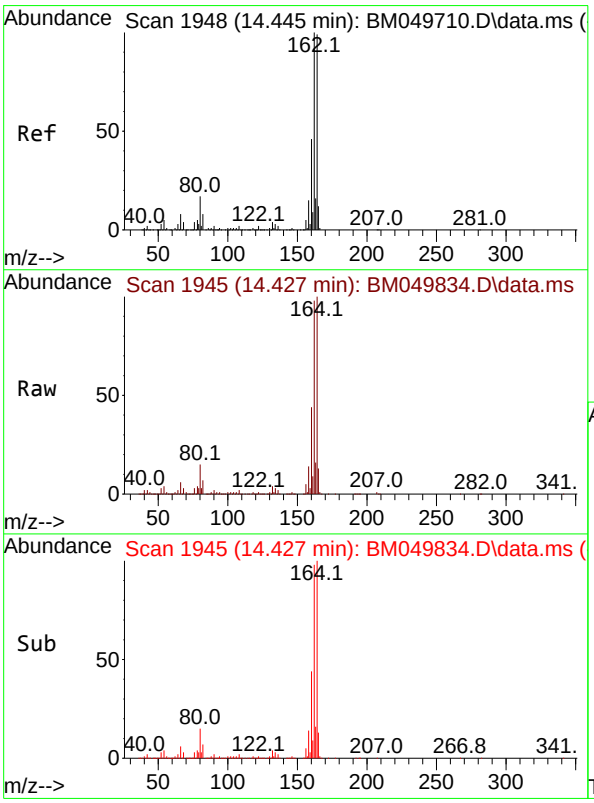
#23
Nitrobenzene-d5
Concen: 86.357 ng
RT: 8.939 min Scan# 1(
Delta R.T. -0.024 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion: 82 Resp: 1830612

Ion	Ratio	Lower	Upper
82	100		
128	46.4	33.4	50.0
54	44.6	36.4	54.6

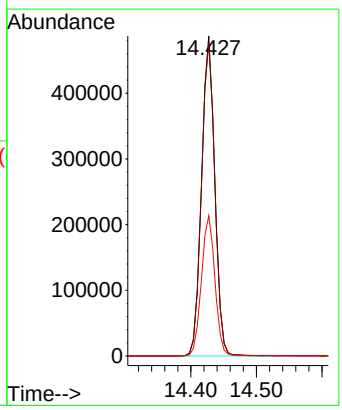


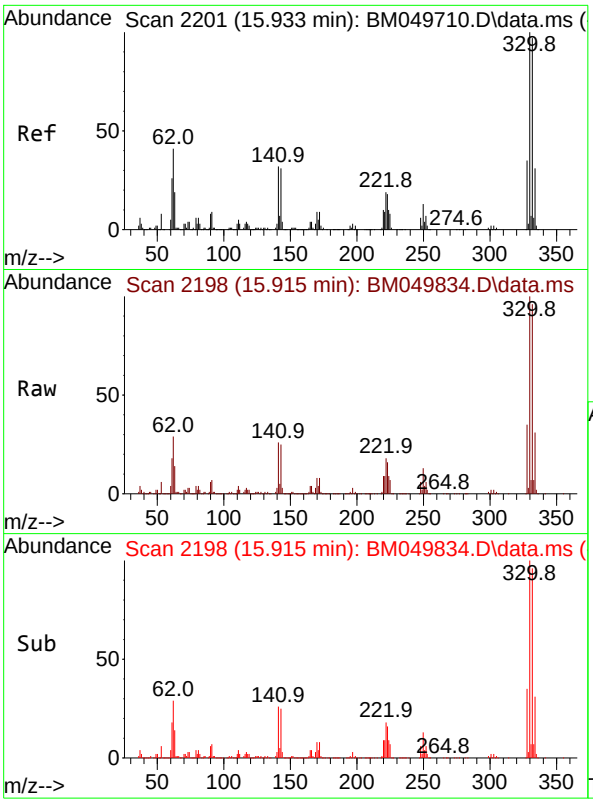


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:164 Resp: 684928

Ion	Ratio	Lower	Upper
164	100		
162	97.6	80.5	120.7
160	43.8	36.9	55.3



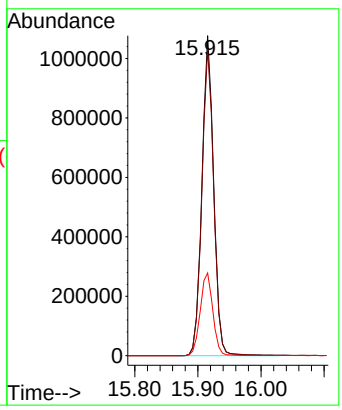


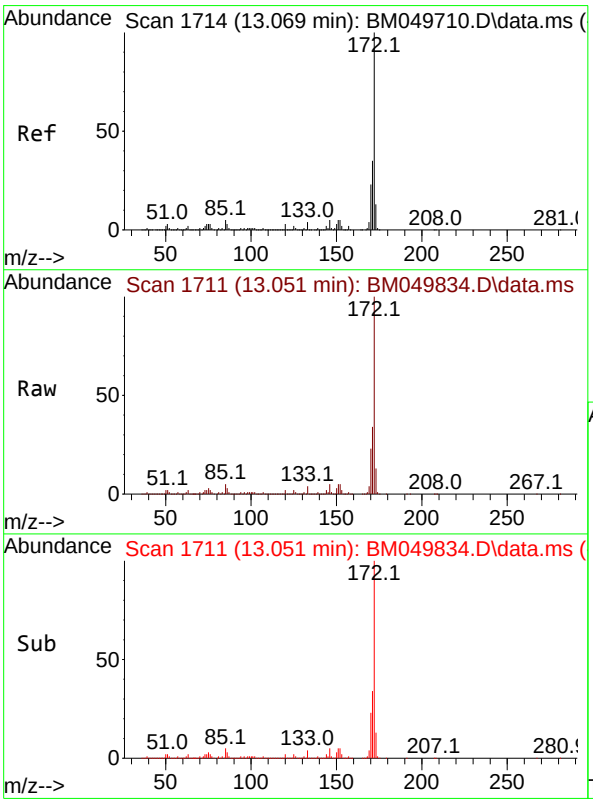
#42
2,4,6-Tribromophenol
Concen: 174.652 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion:330 Resp: 1396852

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.4
141	27.8	27.8	41.6

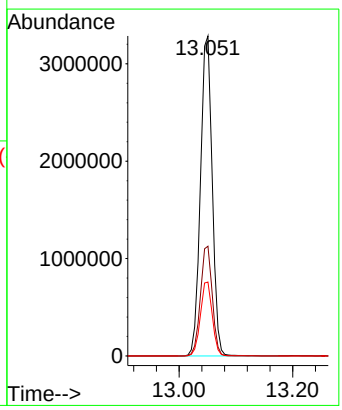


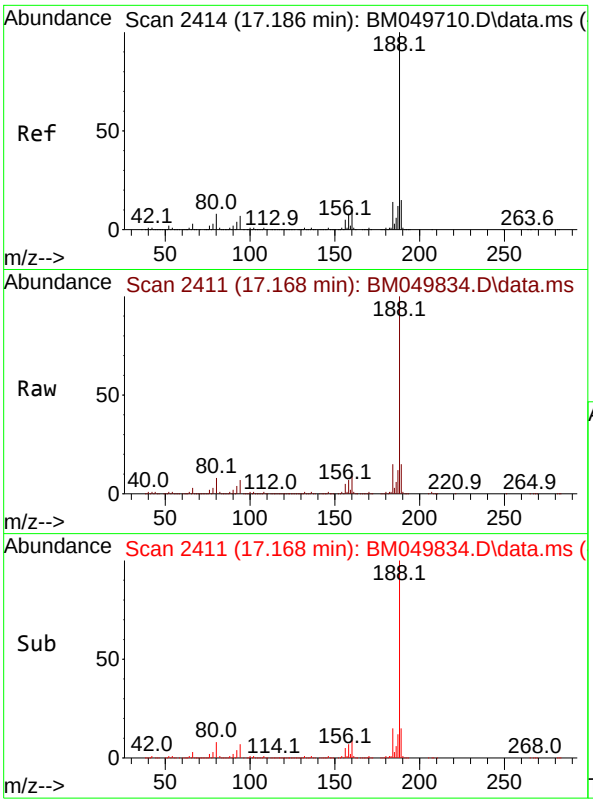


#45
2-Fluorobiphenyl
Concen: 86.449 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:172 Resp: 4727924

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.9	41.9
170	23.1	18.6	28.0



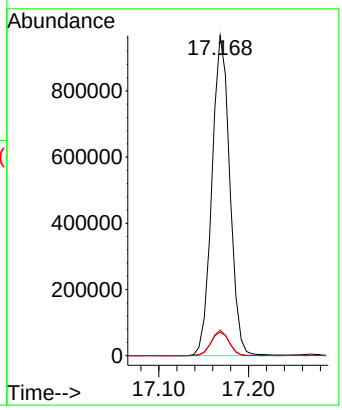


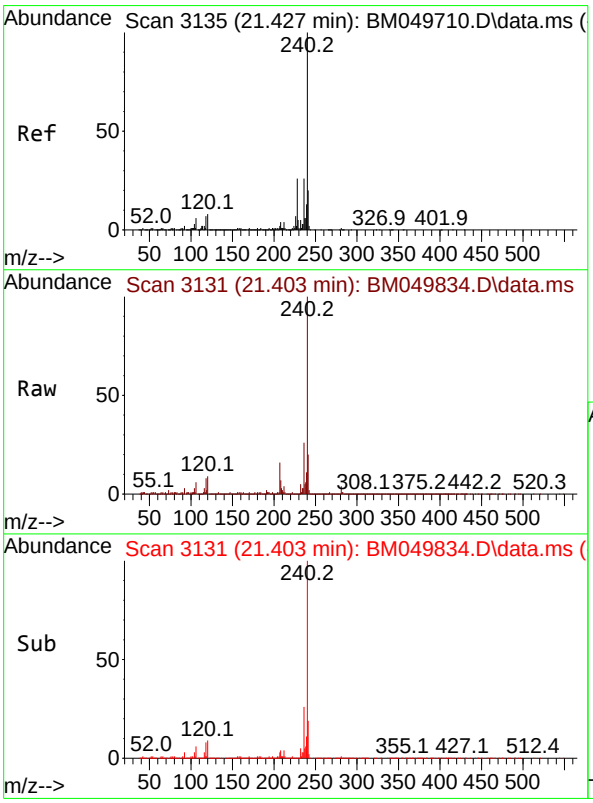
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion:188 Resp: 1337160

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.6
80	8.0	6.3	9.5

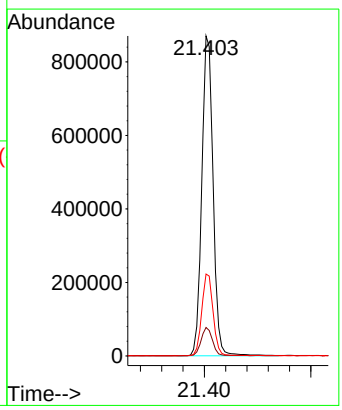


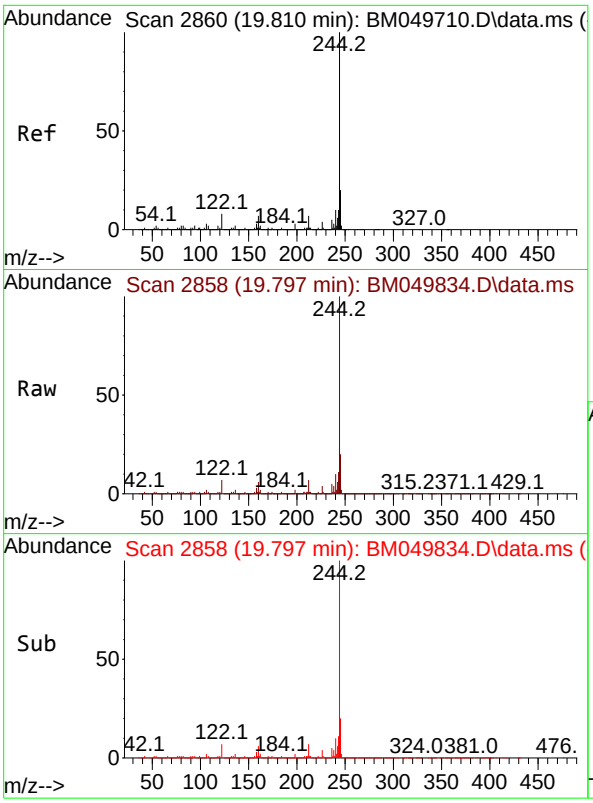


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:240 Resp: 1275922

Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.5	9.7
236	25.6	20.7	31.1



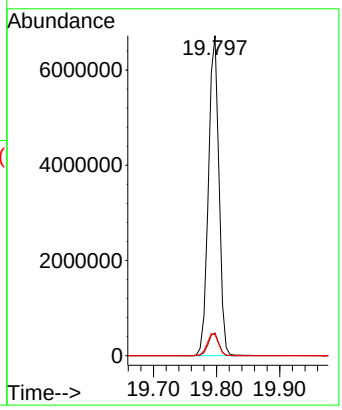


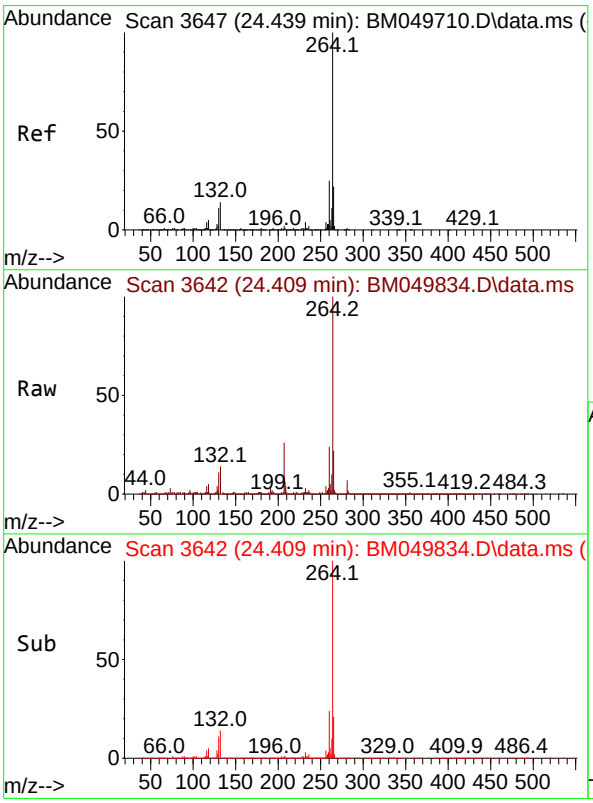
#79
Terphenyl-d14
Concen: 102.306 ng
RT: 19.797 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion:244 Resp: 7746331

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	6.6	6.0	9.0

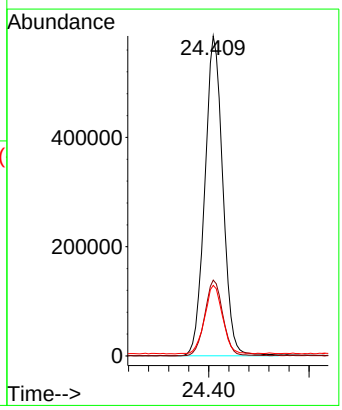




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. -0.030 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:264 Resp: 1458537

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	22.0	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049835.D
Acq On : 07 Apr 2025 12:02
Operator : RC/JU
Sample : PB167457BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Quant Time: Apr 07 12:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.787	152	302641	20.000	ng		-0.02
21) Naphthalene-d8	10.580	136	1057941	20.000	ng		-0.02
39) Acenaphthene-d10	14.427	164	655262	20.000	ng		-0.02
64) Phenanthrene-d10	17.168	188	1274582	20.000	ng		-0.02
76) Chrysene-d12	21.409	240	1227514	20.000	ng		-0.02
86) Perylene-d12	24.409	264	1340439	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	2603223	145.138	ng		-0.02
7) Phenol-d6	6.963	99	3170979	140.877	ng		-0.02
23) Nitrobenzene-d5	8.939	82	1848286	89.697	ng		-0.02
42) 2,4,6-Tribromophenol	15.915	330	1440540	188.269	ng		-0.02
45) 2-Fluorobiphenyl	13.051	172	4794312	91.632	ng		-0.02
79) Terphenyl-d14	19.792	244	7449014	102.259	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	310954	40.048	ng		97
3) Pyridine	3.663	79	866549	43.700	ng		98
4) n-Nitrosodimethylamine	3.569	42	361709	41.226	ng		88
6) Aniline	7.110	93	970965	51.489	ng		97
8) 2-Chlorophenol	7.351	128	960731	54.090	ng		97
9) Benzaldehyde	6.922	77	531809	47.792	ng		98
10) Phenol	6.987	94	1135143	52.010	ng		94
11) bis(2-Chloroethyl)ether	7.204	93	889584	50.333	ng		98
12) 1,3-Dichlorobenzene	7.675	146	1117467	51.770	ng		98
13) 1,4-Dichlorobenzene	7.822	146	1123597	51.598	ng		97
14) 1,2-Dichlorobenzene	8.139	146	1077518	52.066	ng		98
15) Benzyl Alcohol	8.022	79	764536	54.125	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.310	45	1026287m	49.406	ng		
17) 2-Methylphenol	8.234	107	733756	56.627	ng		96
18) Hexachloroethane	8.863	117	392683	51.064	ng		92
19) n-Nitroso-di-n-propyla...	8.592	70	642257	49.208	ng		97
20) 3+4-Methylphenols	8.557	107	982039	56.553	ng		97
22) Acetophenone	8.604	105	1296521	47.529	ng	#	98
24) Nitrobenzene	8.981	77	926570	47.688	ng		95
25) Isophorone	9.510	82	1731740	54.737	ng		98
26) 2-Nitrophenol	9.692	139	494383	59.782	ng		95
27) 2,4-Dimethylphenol	9.757	122	825041	78.378	ng		95
28) bis(2-Chloroethoxy)met...	9.992	93	1102948	49.498	ng		100
29) 2,4-Dichlorophenol	10.233	162	931527	54.309	ng		98
30) 1,2,4-Trichlorobenzene	10.445	180	1064144	49.587	ng		99
31) Naphthalene	10.628	128	2653033	48.769	ng		100
32) Benzoic acid	9.898	122	573772	64.092	ng		96
33) 4-Chloroaniline	10.733	127	498642	26.858	ng		98
34) Hexachlorobutadiene	10.922	225	668135	50.433	ng		100
35) Caprolactam	11.522	113	252703	63.457	ng		88
36) 4-Chloro-3-methylphenol	11.874	107	803565	54.591	ng		97
37) 2-Methylnaphthalene	12.245	142	1727651	45.418	ng		99
38) 1-Methylnaphthalene	12.463	142	1816645	49.500	ng		99
40) 1,2,4,5-Tetrachloroben...	12.616	216	1188547	49.381	ng		99
41) Hexachlorocyclopentadiene	12.598	237	1735350	194.615	ng		98
43) 2,4,6-Trichlorophenol	12.857	196	763484	56.637	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049835.D
Acq On : 07 Apr 2025 12:02
Operator : RC/JU
Sample : PB167457BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Quant Time: Apr 07 12:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

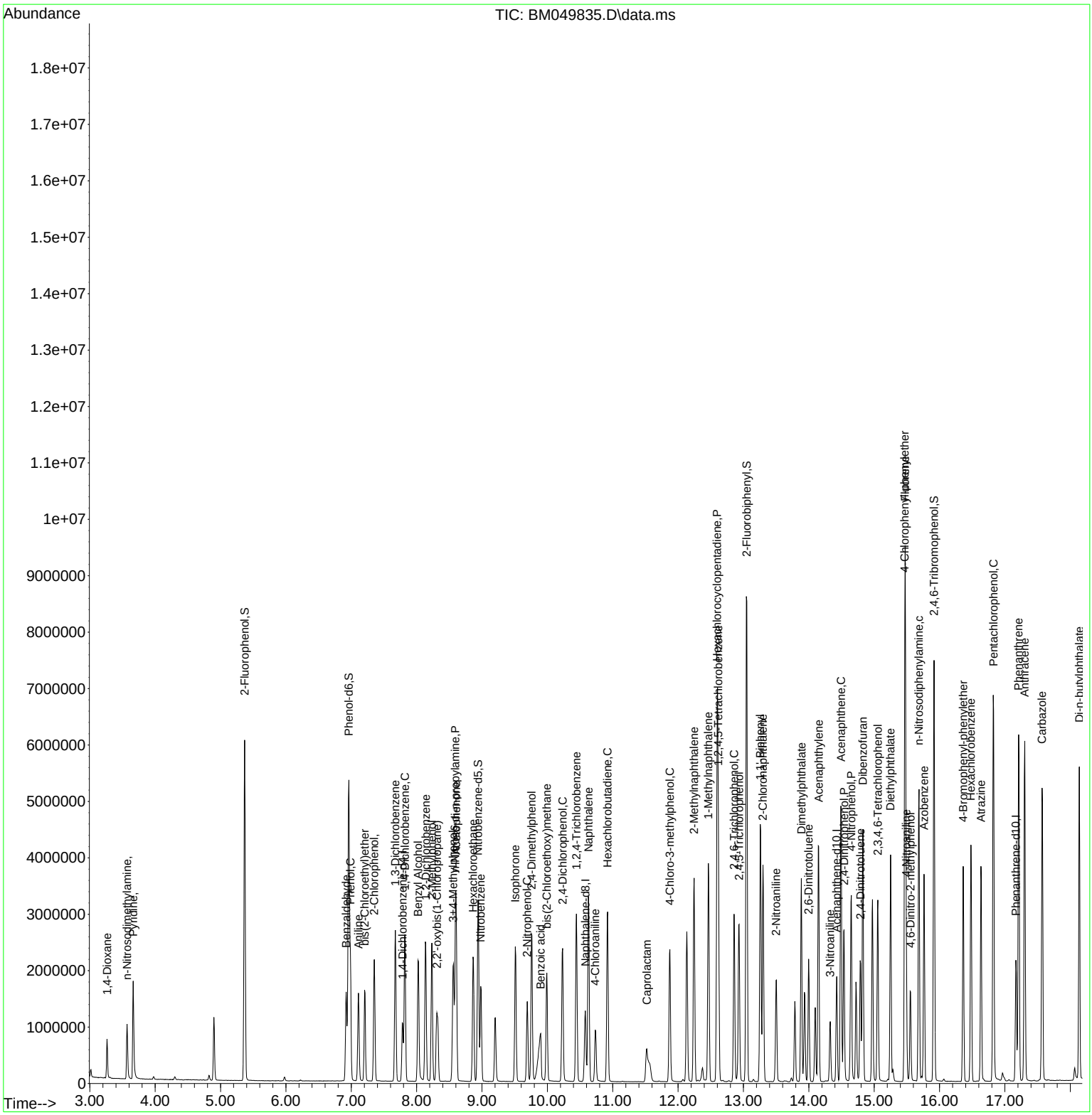
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	828758	56.338	ng		97
46) 1,1'-Biphenyl	13.257	154	2488311	49.272	ng		99
47) 2-Chloronaphthalene	13.298	162	1986776	50.543	ng		99
48) 2-Nitroaniline	13.498	65	474795	53.805	ng		92
49) Acenaphthylene	14.151	152	3078171	56.023	ng		100
50) Dimethylphthalate	13.886	163	2369811	52.529	ng		99
51) 2,6-Dinitrotoluene	13.998	165	512724	56.720	ng		90
52) Acenaphthene	14.492	154	1788612	49.628	ng		98
53) 3-Nitroaniline	14.327	138	292564	34.011	ng		95
54) 2,4-Dinitrophenol	14.539	184	670138	103.811	ng	#	88
55) Dibenzofuran	14.827	168	2910751	48.468	ng		98
56) 4-Nitrophenol	14.651	139	935144	124.890	ng		88
57) 2,4-Dinitrotoluene	14.792	165	714379	61.416	ng		89
58) Fluorene	15.474	166	2421737	49.529	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.057	232	700873	56.918	ng		98
60) Diethylphthalate	15.251	149	2223354	52.327	ng		98
61) 4-Chlorophenyl-phenyle...	15.468	204	1309037	49.027	ng		97
62) 4-Nitroaniline	15.492	138	496912	48.508	ng		92
63) Azobenzene	15.762	77	1920304	47.315	ng		95
65) 4,6-Dinitro-2-methylph...	15.557	198	415746	57.020	ng		96
66) n-Nitrosodiphenylamine	15.686	169	2055011	53.215	ng		97
67) 4-Bromophenyl-phenylether	16.362	248	778250	52.885	ng		98
68) Hexachlorobenzene	16.480	284	882335	53.319	ng		98
69) Atrazine	16.633	200	755933	88.822	ng		100
70) Pentachlorophenol	16.827	266	1294388	124.467	ng		99
71) Phenanthrene	17.209	178	3712945	52.462	ng		100
72) Anthracene	17.304	178	3775589	55.085	ng		99
73) Carbazole	17.568	167	3426771	55.205	ng		100
74) Di-n-butylphthalate	18.139	149	3958932	58.189	ng		99
75) Fluoranthene	19.227	202	4411665	54.143	ng		99
77) Benzidine	19.409	184	2406945	163.212	ng		99
78) Pyrene	19.592	202	4541810	52.959	ng		100
80) Butylbenzylphthalate	20.492	149	1736401	65.242	ng		96
81) Benzo(a)anthracene	21.392	228	4431789	54.053	ng		100
82) 3,3'-Dichlorobenzidine	21.309	252	986523	36.957	ng		99
83) Chrysene	21.450	228	4125400	53.079	ng		100
84) Bis(2-ethylhexyl)phtha...	21.315	149	2538850	61.209	ng		98
85) Di-n-octyl phthalate	22.450	149	4373488	67.839	ng		97
87) Indeno(1,2,3-cd)pyrene	27.803	276	5466399	56.659	ng		100
88) Benzo(b)fluoranthene	23.468	252	4380628	48.521	ng		99
89) Benzo(k)fluoranthene	23.527	252	4337874	48.829	ng		99
90) Benzo(a)pyrene	24.274	252	4244481	55.970	ng		99
91) Dibenzo(a,h)anthracene	27.862	278	4490850	55.869	ng		99
92) Benzo(g,h,i)perylene	28.868	276	4374612	54.030	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049835.D
Acq On : 07 Apr 2025 12:02
Operator : RC/JU
Sample : PB167457BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Quant Time: Apr 07 12:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

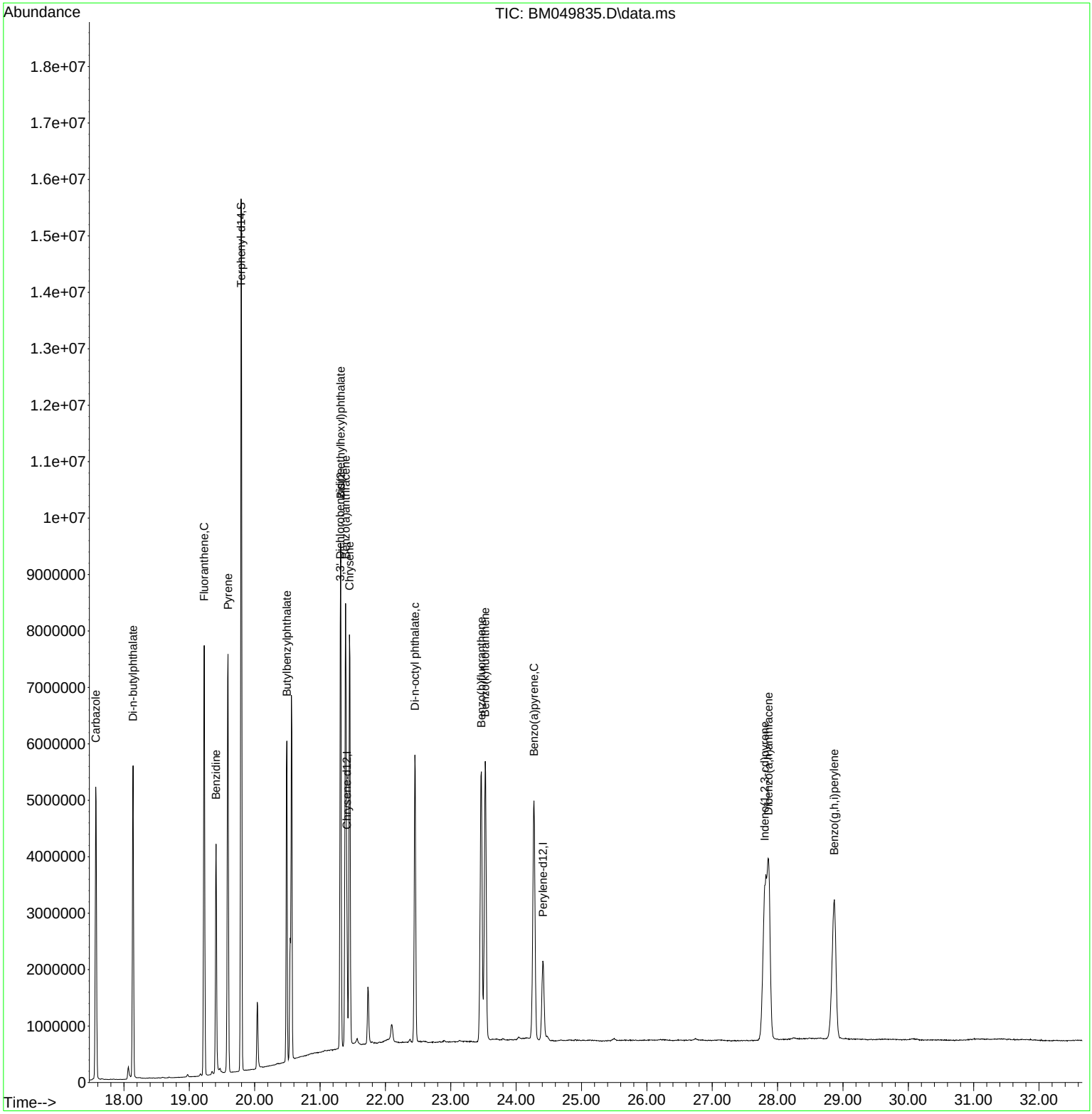


Sample Results: **BM049835.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049835.D
Acq On : 07 Apr 2025 12:02
Operator : RC/JU
Sample : PB167457BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Quant Time: Apr 07 12:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049840.D
Acq On : 07 Apr 2025 15:22
Operator : RC/JU
Sample : Q1721-02MS 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Quant Time: Apr 07 16:21:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.787	152	392804	20.000	ng		-0.02
21) Naphthalene-d8	10.581	136	1404251	20.000	ng		-0.02
39) Acenaphthene-d10	14.427	164	888245	20.000	ng		-0.02
64) Phenanthrene-d10	17.168	188	1716279	20.000	ng		-0.02
76) Chrysene-d12	21.409	240	1693342	20.000	ng		-0.02
86) Perylene-d12	24.409	264	1886435	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	1225224	52.631	ng		-0.02
7) Phenol-d6	6.957	99	1535286	52.552	ng		-0.02
23) Nitrobenzene-d5	8.939	82	880861	32.206	ng		-0.02
42) 2,4,6-Tribromophenol	15.915	330	712614	68.705	ng		-0.02
45) 2-Fluorobiphenyl	13.045	172	2175235	30.670	ng		-0.02
79) Terphenyl-d14	19.792	244	2908837	28.947	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	185355	18.393	ng		98
3) Pyridine	3.669	79	539454	20.960	ng		97
4) n-Nitrosodimethylamine	3.575	42	220833	19.392	ng	#	86
6) Aniline	7.110	93	565121	23.089	ng		99
8) 2-Chlorophenol	7.351	128	654462	28.389	ng		96
9) Benzaldehyde	6.922	77	348406	24.123	ng		95
10) Phenol	6.987	94	771862	27.247	ng		93
11) bis(2-Chloroethyl)ether	7.204	93	592450	25.827	ng		97
12) 1,3-Dichlorobenzene	7.675	146	726775	25.941	ng		97
13) 1,4-Dichlorobenzene	7.816	146	731656	25.887	ng		98
14) 1,2-Dichlorobenzene	8.134	146	703837	26.203	ng		98
15) Benzyl Alcohol	8.022	79	506673	27.636	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.310	45	681728m	25.285	ng		
17) 2-Methylphenol	8.234	107	494812	29.421	ng		95
18) Hexachloroethane	8.863	117	251351	25.183	ng		90
19) n-Nitroso-di-n-propyla...	8.586	70	423645	25.008	ng		97
20) 3+4-Methylphenols	8.557	107	672290	29.829	ng		97
22) Acetophenone	8.604	105	869534	24.015	ng		97
24) Nitrobenzene	8.981	77	613433	23.786	ng		92
25) Isophorone	9.510	82	1154874	27.501	ng		96
26) 2-Nitrophenol	9.692	139	367434	33.474	ng		94
27) 2,4-Dimethylphenol	9.757	122	560761	40.134	ng		95
28) bis(2-Chloroethoxy)met...	9.992	93	735485	24.867	ng		98
29) 2,4-Dichlorophenol	10.228	162	673450	29.580	ng		97
30) 1,2,4-Trichlorobenzene	10.445	180	725722	25.477	ng		99
31) Naphthalene	10.628	128	1824307	25.265	ng		99
33) 4-Chloroaniline	10.733	127	487832	19.796	ng		98
34) Hexachlorobutadiene	10.922	225	452652	25.741	ng		99
35) Caprolactam	11.516	113	182886	34.599	ng		87
36) 4-Chloro-3-methylphenol	11.869	107	563512	28.841	ng		98
37) 2-Methylnaphthalene	12.245	142	1200338	23.773	ng		98
38) 1-Methylnaphthalene	12.463	142	1258072	25.826	ng		98
40) 1,2,4,5-Tetrachloroben...	12.616	216	803247	24.619	ng		99
41) Hexachlorocyclopentadiene	12.598	237	235515	19.485	ng		100
43) 2,4,6-Trichlorophenol	12.857	196	594044	32.509	ng		98
44) 2,4,5-Trichlorophenol	12.927	196	641644	32.177	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049840.D
Acq On : 07 Apr 2025 15:22
Operator : RC/JU
Sample : Q1721-02MS 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Quant Time: Apr 07 16:21:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

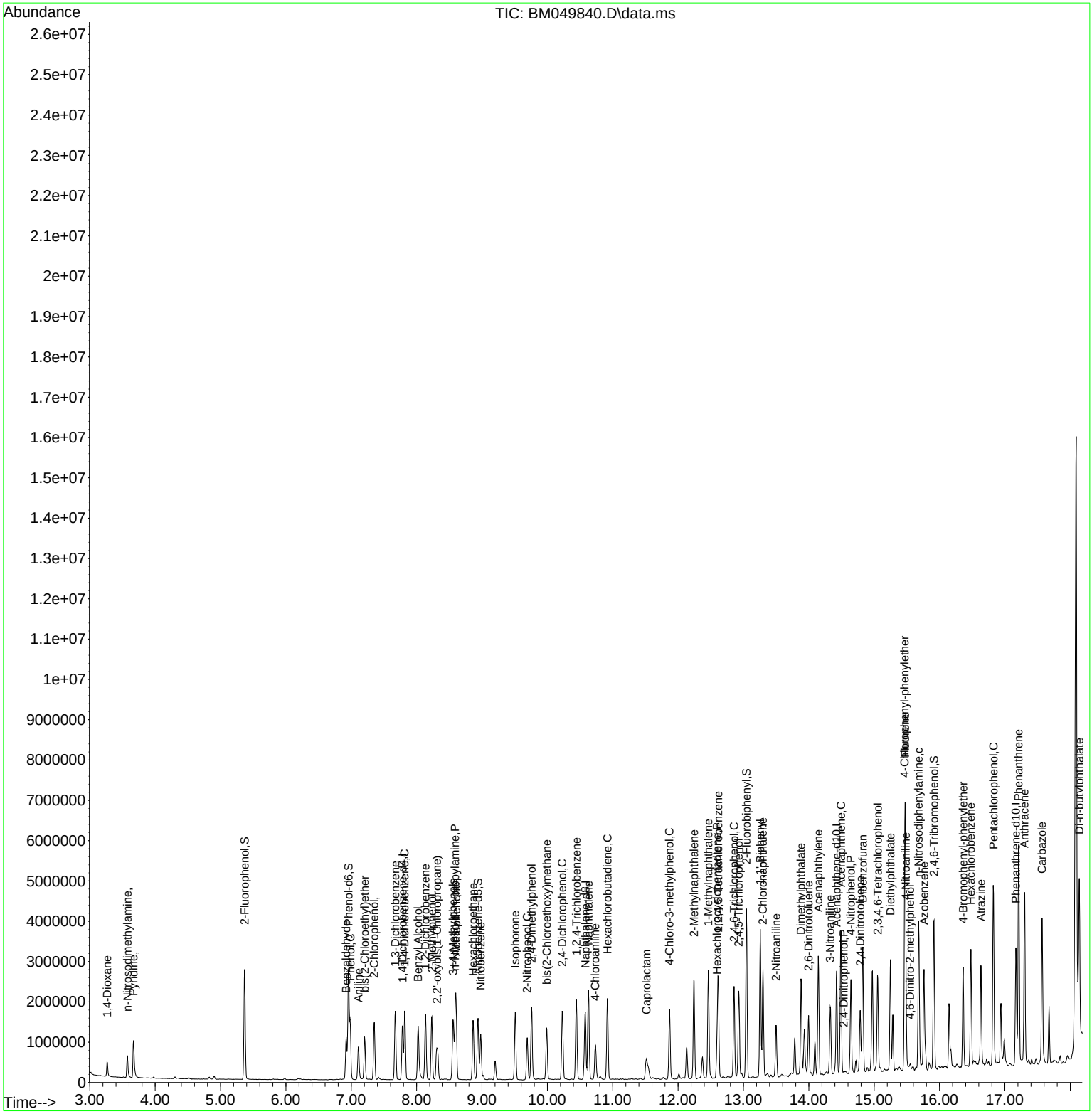
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.257	154	1728179	25.244	ng		99
47) 2-Chloronaphthalene	13.298	162	1361107	25.544	ng		99
48) 2-Nitroaniline	13.498	65	322997	27.002	ng		90
49) Acenaphthylene	14.145	152	2086203	28.010	ng		99
50) Dimethylphthalate	13.880	163	1592660	26.043	ng		100
51) 2,6-Dinitrotoluene	13.998	165	336940	27.497	ng	#	86
52) Acenaphthene	14.492	154	1288995	26.384	ng		99
53) 3-Nitroaniline	14.327	138	289665	24.841	ng		92
54) 2,4-Dinitrophenol	14.533	184	11567	5.415	ng		95
55) Dibenzofuran	14.827	168	2094904	25.733	ng		98
56) 4-Nitrophenol	14.645	139	645977	63.643	ng		89
57) 2,4-Dinitrotoluene	14.786	165	452917	28.724	ng		92
58) Fluorene	15.474	166	1780330	26.860	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.057	232	535877	32.104	ng		99
60) Diethylphthalate	15.251	149	1509646	26.210	ng		97
61) 4-Chlorophenyl-phenyle...	15.468	204	866175	23.932	ng		95
62) 4-Nitroaniline	15.486	138	344075	26.616	ng		91
63) Azobenzene	15.763	77	1370571	24.912	ng		93
65) 4,6-Dinitro-2-methylph...	15.551	198	32208	7.036	ng		82
66) n-Nitrosodiphenylamine	15.680	169	1397700	26.879	ng		98
67) 4-Bromophenyl-phenylether	16.362	248	519400	26.212	ng		98
68) Hexachlorobenzene	16.480	284	593045	26.614	ng		98
69) Atrazine	16.633	200	483864	42.222	ng		99
70) Pentachlorophenol	16.827	266	873322	62.366	ng		98
71) Phenanthrene	17.209	178	3346295	35.113	ng		100
72) Anthracene	17.298	178	2740257	29.690	ng		99
73) Carbazole	17.568	167	2370604	28.362	ng		100
74) Di-n-butylphthalate	18.139	149	2609863	28.488	ng		99
75) Fluoranthene	19.227	202	3769266	34.354	ng		100
77) Benzidine	19.409	184	364922	17.938	ng	#	75
78) Pyrene	19.592	202	3702863	31.299	ng		100
80) Butylbenzylphthalate	20.492	149	1174213	31.982	ng		95
81) Benzo(a)anthracene	21.392	228	3352891	29.644	ng		100
82) 3,3'-Dichlorobenzidine	21.309	252	602033	16.349	ng		99
83) Chrysene	21.450	228	3024622	28.211	ng		99
84) Bis(2-ethylhexyl)phtha...	21.315	149	1737937	30.373	ng		98
85) Di-n-octyl phthalate	22.450	149	2983839	33.551	ng	#	96
87) Indeno(1,2,3-cd)pyrene	27.809	276	3814615	28.095	ng		99
88) Benzo(b)fluoranthene	23.462	252	3377304	26.581	ng		98
89) Benzo(k)fluoranthene	23.527	252	3109134	24.868	ng		98
90) Benzo(a)pyrene	24.274	252	3159107	29.601	ng		99
91) Dibenzo(a,h)anthracene	27.868	278	2987633	26.410	ng		100
92) Benzo(g,h,i)perylene	28.868	276	3065814	26.906	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049840.D
Acq On : 07 Apr 2025 15:22
Operator : RC/JU
Sample : Q1721-02MS 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

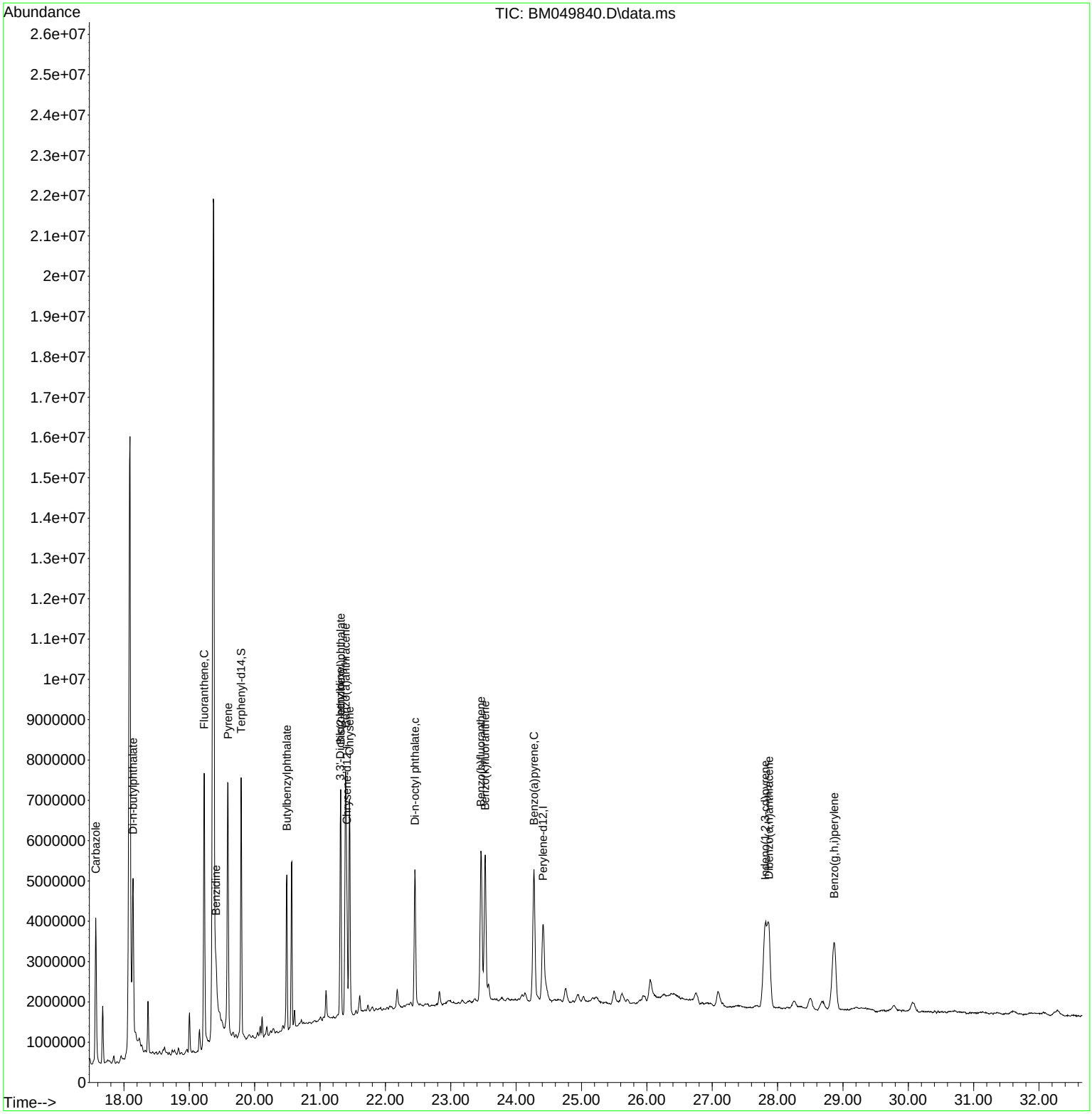
Quant Time: Apr 07 16:21:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049840.D
Acq On : 07 Apr 2025 15:22
Operator : RC/JU
Sample : Q1721-02MS 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Quant Time: Apr 07 16:21:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049841.D
Acq On : 07 Apr 2025 16:02
Operator : RC/JU
Sample : Q1721-02MSD 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Quant Time: Apr 07 16:43:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.787	152	368877	20.000	ng		-0.02
21) Naphthalene-d8	10.581	136	1283324	20.000	ng		-0.02
39) Acenaphthene-d10	14.428	164	802650	20.000	ng		-0.02
64) Phenanthrene-d10	17.169	188	1533775	20.000	ng		-0.02
76) Chrysene-d12	21.410	240	1544485	20.000	ng		-0.02
86) Perylene-d12	24.415	264	1732654	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	1210931	55.391	ng		-0.02
7) Phenol-d6	6.958	99	1498515	54.620	ng		-0.02
23) Nitrobenzene-d5	8.940	82	868593	34.750	ng		-0.02
42) 2,4,6-Tribromophenol	15.916	330	710977	75.857	ng		-0.02
45) 2-Fluorobiphenyl	13.045	172	2155380	33.630	ng		-0.02
79) Terphenyl-d14	19.792	244	2832951	30.909	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.270	88	189318	20.004	ng		98
3) Pyridine	3.670	79	529139	21.893	ng		97
4) n-Nitrosodimethylamine	3.575	42	220143	20.585	ng	#	86
6) Aniline	7.110	93	556961	24.232	ng		97
8) 2-Chlorophenol	7.352	128	645297	29.807	ng		97
9) Benzaldehyde	6.922	77	343247	25.308	ng		93
10) Phenol	6.987	94	755236	28.390	ng		94
11) bis(2-Chloroethyl)ether	7.205	93	575757	26.727	ng		96
12) 1,3-Dichlorobenzene	7.675	146	732678	27.848	ng		96
13) 1,4-Dichlorobenzene	7.822	146	734481	27.672	ng		97
14) 1,2-Dichlorobenzene	8.140	146	713298	28.278	ng		98
15) Benzyl Alcohol	8.022	79	496335	28.829	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.310	45	675021m	26.661	ng		
17) 2-Methylphenol	8.234	107	489726	31.008	ng		96
18) Hexachloroethane	8.863	117	242953	25.920	ng		91
19) n-Nitroso-di-n-propyla...	8.593	70	419971	26.399	ng		98
20) 3+4-Methylphenols	8.557	107	656796	31.032	ng		96
22) Acetophenone	8.604	105	853897	25.806	ng		98
24) Nitrobenzene	8.981	77	606481	25.732	ng		94
25) Isophorone	9.510	82	1151214	29.997	ng		97
26) 2-Nitrophenol	9.693	139	349379	34.828	ng		96
27) 2,4-Dimethylphenol	9.757	122	552266	43.251	ng		96
28) bis(2-Chloroethoxy)met...	9.987	93	731619	27.067	ng		99
29) 2,4-Dichlorophenol	10.234	162	660103	31.726	ng		97
30) 1,2,4-Trichlorobenzene	10.446	180	727179	27.934	ng		98
31) Naphthalene	10.628	128	1809880	27.427	ng		100
32) Benzoic acid	9.857	122	44923m	4.137	ng		
33) 4-Chloroaniline	10.740	127	499624	22.185	ng		97
34) Hexachlorobutadiene	10.922	225	455382	28.337	ng		98
35) Caprolactam	11.516	113	173517	35.920	ng		89
36) 4-Chloro-3-methylphenol	11.869	107	553591	31.004	ng		98
37) 2-Methylnaphthalene	12.245	142	1187231	25.730	ng		99
38) 1-Methylnaphthalene	12.463	142	1229265	27.612	ng		100
40) 1,2,4,5-Tetrachloroben...	12.616	216	799730	27.125	ng		99
41) Hexachlorocyclopentadiene	12.598	237	115800	10.602	ng		99
43) 2,4,6-Trichlorophenol	12.857	196	584269	35.384	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049841.D
Acq On : 07 Apr 2025 16:02
Operator : RC/JU
Sample : Q1721-02MSD 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Quant Time: Apr 07 16:43:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

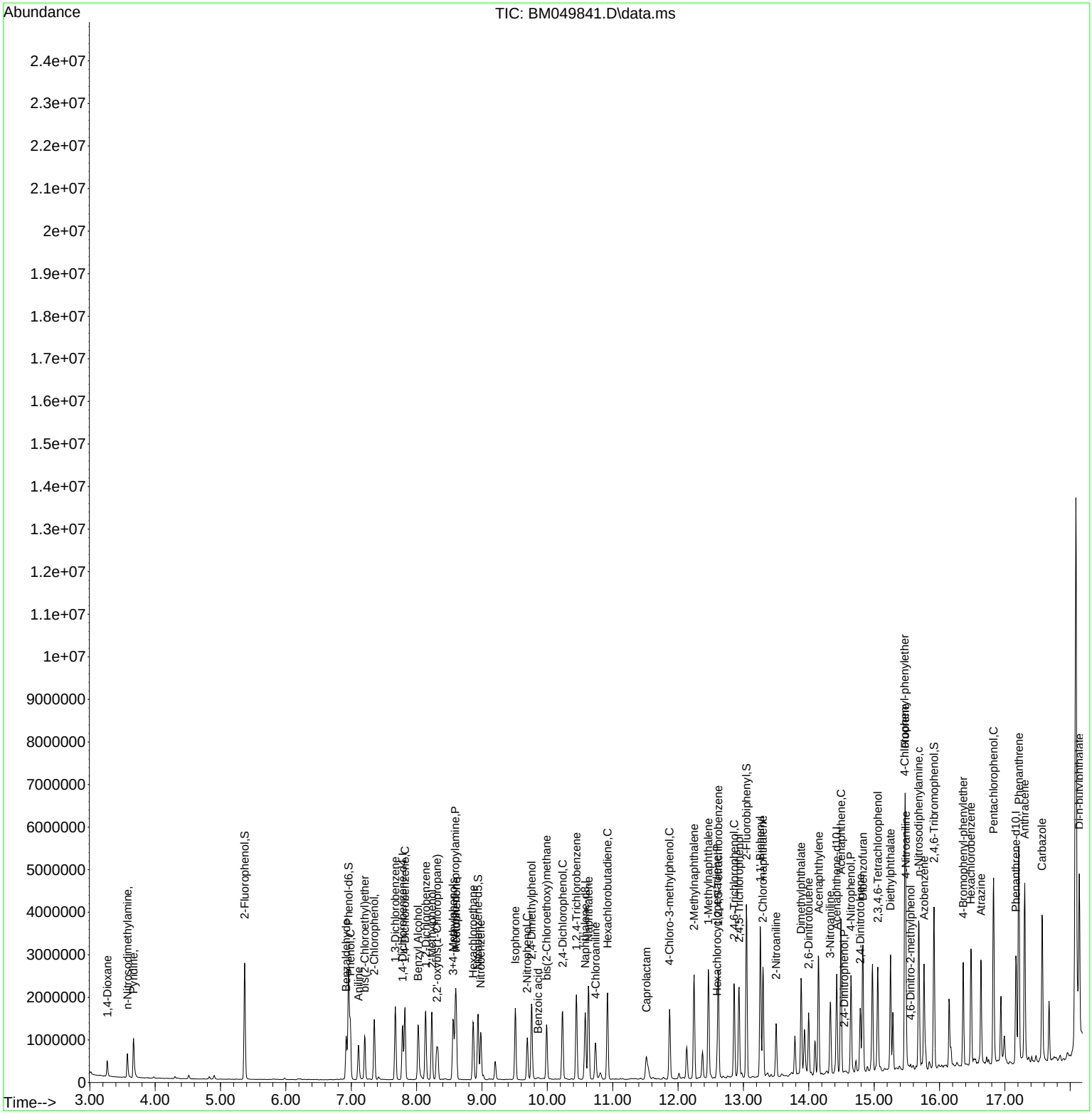
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	625465	34.711	ng		98
46) 1,1'-Biphenyl	13.257	154	1713141	27.693	ng		99
47) 2-Chloronaphthalene	13.298	162	1344485	27.922	ng		99
48) 2-Nitroaniline	13.498	65	317057	29.332	ng		91
49) Acenaphthylene	14.151	152	2065672	30.692	ng		99
50) Dimethylphthalate	13.881	163	1574344	28.489	ng		100
51) 2,6-Dinitrotoluene	13.998	165	327121	29.543	ng		88
52) Acenaphthene	14.492	154	1274700	28.874	ng		98
53) 3-Nitroaniline	14.328	138	296063	28.098	ng		95
54) 2,4-Dinitrophenol	14.539	184	6233	4.524	ng	#	87
55) Dibenzofuran	14.828	168	2061694	28.026	ng		98
56) 4-Nitrophenol	14.645	139	636380	69.383	ng		89
57) 2,4-Dinitrotoluene	14.786	165	442642	31.066	ng		92
58) Fluorene	15.475	166	1744955	29.134	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.057	232	532004m	35.271	ng		
60) Diethylphthalate	15.251	149	1487883	28.587	ng		97
61) 4-Chlorophenyl-phenyle...	15.469	204	857672	26.224	ng		95
62) 4-Nitroaniline	15.486	138	343901	29.041	ng		91
63) Azobenzene	15.763	77	1325193	26.656	ng		94
65) 4,6-Dinitro-2-methylph...	15.557	198	20773	5.936	ng	#	68
66) n-Nitrosodiphenylamine	15.680	169	1370027	29.482	ng		98
67) 4-Bromophenyl-phenylether	16.363	248	512850	28.961	ng		99
68) Hexachlorobenzene	16.480	284	586199	29.437	ng		99
69) Atrazine	16.633	200	478186	46.692	ng		99
70) Pentachlorophenol	16.827	266	862396	68.913	ng		98
71) Phenanthrene	17.216	178	3279776	38.510	ng		99
72) Anthracene	17.304	178	2687250	32.581	ng		100
73) Carbazole	17.569	167	2309010	30.912	ng		100
74) Di-n-butylphthalate	18.139	149	2540858	31.035	ng		99
75) Fluoranthene	19.227	202	3672649	37.456	ng		99
77) Benzidine	19.410	184	549114	29.593	ng	#	84
78) Pyrene	19.592	202	3620268	33.550	ng		100
80) Butylbenzylphthalate	20.492	149	1120117	33.449	ng		95
81) Benzo(a)anthracene	21.392	228	3330942	32.289	ng		100
82) 3,3'-Dichlorobenzidine	21.315	252	657250	19.569	ng		98
83) Chrysene	21.451	228	3025428	30.938	ng		99
84) Bis(2-ethylhexyl)phtha...	21.315	149	1678514	32.162	ng		98
85) Di-n-octyl phthalate	22.457	149	2934404	36.176	ng	#	96
87) Indeno(1,2,3-cd)pyrene	27.815	276	3786957	30.366	ng		99
88) Benzo(b)fluoranthene	23.468	252	3326545	28.505	ng		98
89) Benzo(k)fluoranthene	23.533	252	3164065	27.554	ng		98
90) Benzo(a)pyrene	24.274	252	3150499	32.140	ng		98
91) Dibenzo(a,h)anthracene	27.874	278	2981571	28.696	ng		99
92) Benzo(g,h,i)perylene	28.880	276	3072357	29.356	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049841.D
Acq On : 07 Apr 2025 16:02
Operator : RC/JU
Sample : Q1721-02MSD 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

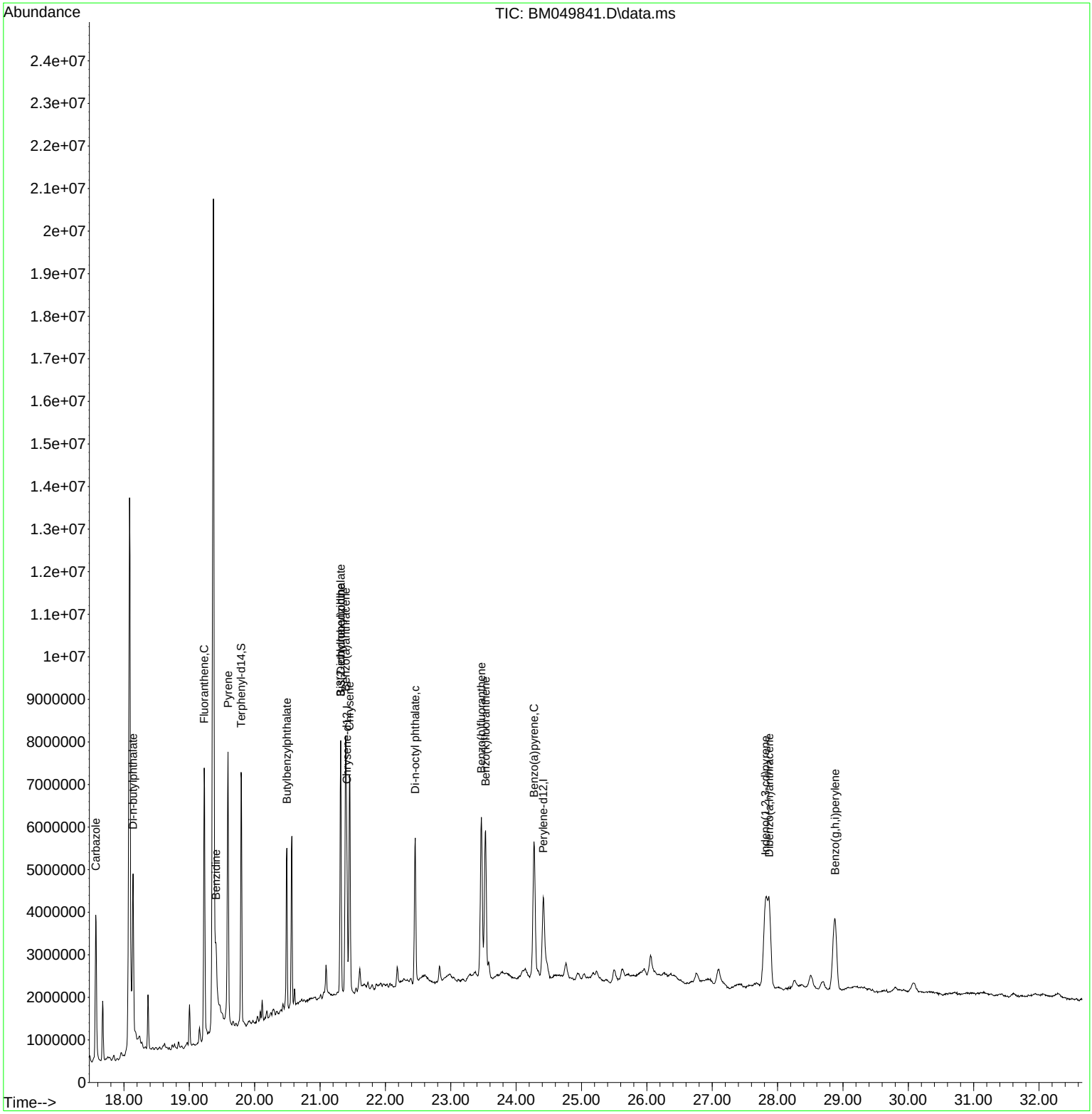
Quant Time: Apr 07 16:43:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049841.D
Acq On : 07 Apr 2025 16:02
Operator : RC/JU
Sample : Q1721-02MSD 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Quant Time: Apr 07 16:43:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



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Manual Integration Report

Sequence:	BM031325	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM049707.D	Acenaphthene	anahy	3/14/2025 4:37:23 PM	Jagrut	3/14/2025 4:41:35 PM	Peak Integrated by Software
SSTDICC010	BM049708.D	Acenaphthene	anahy	3/14/2025 4:38:02 PM	Jagrut	3/14/2025 4:41:38 PM	Peak Integrated by Software
SSTDICC010	BM049708.D	Benzoic acid	anahy	3/14/2025 4:38:02 PM	Jagrut	3/14/2025 4:41:38 PM	Peak Integrated by Software
SSTDICC050	BM049711.D	Pyridine	anahy	3/14/2025 4:38:46 PM	Jagrut	3/14/2025 4:41:41 PM	Peak Integrated by Software
SSTDICC060	BM049712.D	Pyridine	anahy	3/14/2025 4:39:20 PM	Jagrut	3/14/2025 4:41:43 PM	Peak Integrated by Software
SSTDICC080	BM049713.D	Pyridine	anahy	3/14/2025 4:39:55 PM	Jagrut	3/14/2025 4:41:46 PM	Peak Integrated by Software
SSTDICV040	BM049714.D	Pyridine	anahy	3/14/2025 4:40:27 PM	Jagrut	3/14/2025 4:41:48 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM040725	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167457BS	BM049835.D	2,2"-oxybis(1-Chloropropane)	anahy	4/8/2025 11:51:17 AM	Jagrut	4/8/2025 4:14:30 PM	Peak Integrated by Software
Q1721-02MS	BM049840.D	2,2"-oxybis(1-Chloropropane)	anahy	4/8/2025 11:52:00 AM	Jagrut	4/8/2025 4:14:33 PM	Peak Integrated by Software
Q1721-02MSD	BM049841.D	2,2"-oxybis(1-Chloropropane)	anahy	4/8/2025 11:53:04 AM	Jagrut	4/8/2025 4:14:36 PM	Peak Integrated by Software
Q1721-02MSD	BM049841.D	2,3,4,6-Tetrachlorophenol	anahy	4/8/2025 11:53:04 AM	Jagrut	4/8/2025 4:14:36 PM	Peak Integrated by Software
Q1721-02MSD	BM049841.D	Benzoic acid	anahy	4/8/2025 11:53:04 AM	Jagrut	4/8/2025 4:14:36 PM	Peak Integrated by Software

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM031325

Review By	anahy	Review On	3/14/2025 4:40:45 PM		
Supervise By	Jagrut	Supervise On	3/14/2025 4:41:58 PM		
SubDirectory	BM031325	HP Acquire Method	BNA_M	HP Processing Method	bm031325

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12655,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049705.D	13 Mar 2025 08:24	RC/JU	Ok
2	SSTDICC2.5	BM049706.D	13 Mar 2025 09:02	RC/JU	Ok
3	SSTDICC005	BM049707.D	13 Mar 2025 09:42	RC/JU	Ok,M
4	SSTDICC010	BM049708.D	13 Mar 2025 10:21	RC/JU	Ok,M
5	SSTDICC020	BM049709.D	13 Mar 2025 11:00	RC/JU	Ok
6	SSTDICCC040	BM049710.D	13 Mar 2025 11:39	RC/JU	Ok
7	SSTDICC050	BM049711.D	13 Mar 2025 12:19	RC/JU	Ok,M
8	SSTDICC060	BM049712.D	13 Mar 2025 12:58	RC/JU	Ok,M
9	SSTDICC080	BM049713.D	13 Mar 2025 13:37	RC/JU	Ok,M
10	SSTDICV040	BM049714.D	13 Mar 2025 14:41	RC/JU	Ok,M
11	PB167097BL	BM049715.D	13 Mar 2025 15:20	RC/JU	Ok
12	Q1502-22	BM049716.D	13 Mar 2025 16:00	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040725

Review By	anahy	Review On	4/8/2025 12:29:39 PM		
Supervise By	Jagrut	Supervise On	4/8/2025 4:14:54 PM		
SubDirectory	BM040725	HP Acquire Method	BNA_M	HP Processing Method	bm031325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049832.D	07 Apr 2025 10:04	RC/JU	Ok
2	SSTDCCC040	BM049833.D	07 Apr 2025 10:43	RC/JU	Ok
3	PB167457BL	BM049834.D	07 Apr 2025 11:23	RC/JU	Ok
4	PB167457BS	BM049835.D	07 Apr 2025 12:02	RC/JU	Ok,M
5	Q1675-21	BM049836.D	07 Apr 2025 12:45	RC/JU	Ok
6	Q1675-20	BM049837.D	07 Apr 2025 13:24	RC/JU	Ok
7	Q1675-18	BM049838.D	07 Apr 2025 14:04	RC/JU	Ok
8	Q1675-19	BM049839.D	07 Apr 2025 14:43	RC/JU	Ok
9	Q1721-02MS	BM049840.D	07 Apr 2025 15:22	RC/JU	Ok,M
10	Q1721-02MSD	BM049841.D	07 Apr 2025 16:02	RC/JU	Ok,M
11	Q1737-01	BM049842.D	07 Apr 2025 16:41	RC/JU	Ok,M
12	Q1738-01	BM049843.D	07 Apr 2025 17:20	RC/JU	Ok
13	Q1712-01DL	BM049844.D	07 Apr 2025 17:59	RC/JU	Not Ok
14	Q1733-01	BM049845.D	07 Apr 2025 18:39	RC/JU	Ok,M
15	Q1732-01	BM049846.D	07 Apr 2025 19:18	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM031325

Review By	anahy	Review On	3/14/2025 4:40:45 PM		
Supervise By	Jagrut	Supervise On	3/14/2025 4:41:58 PM		
SubDirectory	BM031325	HP Acquire Method	BNA_M	HP Processing Method	bm031325

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12655,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049705.D	13 Mar 2025 08:24		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM049706.D	13 Mar 2025 09:02		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM049707.D	13 Mar 2025 09:42	Compound#9,32,54,56,65,70,77, 82,85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM049708.D	13 Mar 2025 10:21		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM049709.D	13 Mar 2025 11:00		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BM049710.D	13 Mar 2025 11:39	Compound#62 Kept on LR & 54,65 Kept on QR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM049711.D	13 Mar 2025 12:19		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BM049712.D	13 Mar 2025 12:58	Compound#69 removed from 60 ppm	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM049713.D	13 Mar 2025 13:37	Compound#9,42,69 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBM031325	BM049714.D	13 Mar 2025 14:41		RC/JU	Ok,M
11	PB167097BL	PB167097BL	BM049715.D	13 Mar 2025 15:20	Use for DOD Projects only	RC/JU	Ok
12	Q1502-22	RR-TRIAZINE-WP	BM049716.D	13 Mar 2025 16:00	PT Sample - Already analyzed.	RC/JU	Not Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040725

Review By	anahy	Review On	4/8/2025 12:29:39 PM		
Supervise By	Jagrut	Supervise On	4/8/2025 4:14:54 PM		
SubDirectory	BM040725	HP Acquire Method	BNA_M	HP Processing Method	bm031325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049832.D	07 Apr 2025 10:04		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM049833.D	07 Apr 2025 10:43		RC/JU	Ok
3	PB167457BL	PB167457BL	BM049834.D	07 Apr 2025 11:23		RC/JU	Ok
4	PB167457BS	PB167457BS	BM049835.D	07 Apr 2025 12:02		RC/JU	Ok,M
5	Q1675-21	K3	BM049836.D	07 Apr 2025 12:45		RC/JU	Ok
6	Q1675-20	K2	BM049837.D	07 Apr 2025 13:24		RC/JU	Ok
7	Q1675-18	K1P	BM049838.D	07 Apr 2025 14:04		RC/JU	Ok
8	Q1675-19	K1	BM049839.D	07 Apr 2025 14:43		RC/JU	Ok
9	Q1721-02MS	AU-05-040325MS	BM049840.D	07 Apr 2025 15:22		RC/JU	Ok,M
10	Q1721-02MSD	AU-05-040325MSD	BM049841.D	07 Apr 2025 16:02		RC/JU	Ok,M
11	Q1737-01	RT3069	BM049842.D	07 Apr 2025 16:41		RC/JU	Ok,M
12	Q1738-01	OK-02-040425	BM049843.D	07 Apr 2025 17:20		RC/JU	Ok
13	Q1712-01DL	Z-05ADL	BM049844.D	07 Apr 2025 17:59	Need further 5X Dilution, Not used not ok	RC/JU	Not Ok
14	Q1733-01	ETGI-328	BM049845.D	07 Apr 2025 18:39		RC/JU	Ok,M
15	Q1732-01	TT-8	BM049846.D	07 Apr 2025 19:18		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167457

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 04/04/2025

Extraction Start Time : 08:55

Extraction End Date : 04/04/2025

Extraction End Time : 13:25

Concentration By: EH

Supervisor By : rajesh

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6752
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2591
Baked Na2SO4	N/A	EP2597
Sand	N/A	EP2865
Methylene Chloride	N/A	E3904
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673. Q1675-18,19,20,21 Added in batch at 10:32.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/04/25	RP (Soxtec)	RC/SVOC
13:30	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167457

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/04/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167457BL	SBLK457	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U3-1
PB167457BS	SLCS457	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q1675-18	K1P	SVOCMS Group1	30.07	N/A	ritesh	Evelyn	1		Stone	3
Q1675-19	K1	SVOCMS Group1	30.04	N/A	ritesh	Evelyn	1		Stone	4
Q1675-20	K2	SVOCMS Group1	30.01	N/A	ritesh	Evelyn	1	A	Stone	5
Q1675-21	K3	SVOCMS Group1	30.05	N/A	ritesh	Evelyn	1	A	Stone	6
Q1712-01	Z-05A	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	C		3
Q1712-05	TT-7	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	C		4
Q1721-02	AU-05-040325	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		5
Q1721-02MS	AU-05-040325MS	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		6
Q1721-02MS D	AU-05-040325MSD	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		U2-1

* **Extracts relinquished on the same date as received.**

10745?
8:55

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1721S **WorkList ID :** 188723 **Department :** Extraction **Date :** 04-04-2025 08:11:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1712-01	Z-05A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L22	04/02/2025	8270E
Q1712-05	TT-7	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L22	04/03/2025	8270E
Q1721-02	AU-05-040325	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L31	04/03/2025	8270E

Date/Time 04/04/25 8:50
Raw Sample Received by: RJ (Est 1.4)
Raw Sample Relinquished by: SM

Date/Time 04/04/25 9:10
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Est 4.5)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1675S **WorkList ID :** 188744 **Department :** Extraction **Date :** 04-04-2025 10:32:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1675-18	K1P	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	I31	03/28/2025	8270E
Q1675-19	K1	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	I31	03/28/2025	8270E
Q1675-20	K2	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	I31	03/28/2025	8270E
Q1675-21	K3	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	I31	03/28/2025	8270E

Date/Time 04/04/25 10:32

Raw Sample Received by:

Raw Sample Relinquished by: SR

Date/Time 04/04/25 10:05

Raw Sample Received by: SR

Raw Sample Relinquished by:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q1675	**OrderDate:**	3/28/2025 11:22:41 AM
Client:	G Environmental	**Project:**	Stockton
Contact:	Gary Landis	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1675-18	**K1P**	**SOIL**			**03/28/25**			**03/28/25**
			SVOCMS Group1	8270E		04/04/25	04/07/25	
Q1675-19	**K1**	**SOIL**			**03/28/25**			**03/28/25**
			SVOCMS Group1	8270E		04/04/25	04/07/25	
Q1675-20	**K2**	**SOIL**			**03/28/25**			**03/28/25**
			SVOCMS Group1	8270E		04/04/25	04/07/25	
Q1675-21	**K3**	**SOIL**			**03/28/25**			**03/28/25**
			SVOCMS Group1	8270E		04/04/25	04/07/25	