

Hit Summary Sheet SW-846

SDG No.: Q1746
Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	B-149-SB01							
Q1746-01	B-149-SB01	SOIL	Phenanthrene	110.000	J	23.4	190	ug/Kg
Q1746-01	B-149-SB01	SOIL	Fluoranthene	200.000		33.6	190	ug/Kg
Q1746-01	B-149-SB01	SOIL	Pyrene	190.000		40.3	190	ug/Kg
Q1746-01	B-149-SB01	SOIL	Benzo(a)anthracene	100.000	J	25.7	190	ug/Kg
Q1746-01	B-149-SB01	SOIL	Chrysene	120.000	J	22.3	190	ug/Kg
Q1746-01	B-149-SB01	SOIL	Benzo(b)fluoranthene	130.000	J	21.3	190	ug/Kg
Q1746-01	B-149-SB01	SOIL	Benzo(a)pyrene	100.000	J	33	190	ug/Kg
Total Svoc :				950.00				
Q1746-01	B-149-SB01	SOIL	Hexanedioic acid, bis(2-ethylhexy *	160.000	J	0	0	ug/Kg
Q1746-01	B-149-SB01	SOIL	n-Hexadecanoic acid *	210.000	JB	0	0	ug/Kg
Q1746-01	B-149-SB01	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	350.000	AB	0	0	ug/Kg
Q1746-01	B-149-SB01	SOIL	3-Eicosene, (E)- *	75.300	J	0	0	ug/Kg
Q1746-01	B-149-SB01	SOIL	Benzophenone *	290.000	J	0	0	ug/Kg
Q1746-01	B-149-SB01	SOIL	Butyl citrate *	120.000	J	0	0	ug/Kg
Total Tics :				1,205.30				
Total Concentration:				2,155.30				
Client ID :	B-149-SB02							
Q1746-03	B-149-SB02	SOIL	Chrysene	86.400	J	23.4	200	ug/Kg
Q1746-03	B-149-SB02	SOIL	Benzo(b)fluoranthene	110.000	J	22.4	200	ug/Kg
Q1746-03	B-149-SB02	SOIL	Benzo(k)fluoranthene	100.000	J	26.4	200	ug/Kg
Total Svoc :				296.40				
Q1746-03	B-149-SB02	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	530.000	AB	0	0	ug/Kg
Q1746-03	B-149-SB02	SOIL	Benzophenone *	410.000	J	0	0	ug/Kg
Q1746-03	B-149-SB02	SOIL	Cyclotetracosane *	160.000	J	0	0	ug/Kg
Q1746-03	B-149-SB02	SOIL	n-Hexadecanoic acid *	450.000	JB	0	0	ug/Kg
Q1746-03	B-149-SB02	SOIL	Octadecanoic acid *	140.000	JB	0	0	ug/Kg
Total Tics :				1,690.00				
Total Concentration:				1,986.40				
Client ID :	B-158-GW01							
Q1746-05	B-158-GW01	WATER	1-Heneicosanol *	10.500	J	0	0	ug/L
Q1746-05	B-158-GW01	WATER	1-Phenyl-1-butene *	3.500	J	0	0	ug/L
Q1746-05	B-158-GW01	WATER	2-Pentanone, 4-hydroxy-4-methyl *	3.600	AB	0	0	ug/L
Q1746-05	B-158-GW01	WATER	Benzene, 1,2,3,4-tetramethyl- *	2.300	J	0	0	ug/L
Q1746-05	B-158-GW01	WATER	Benzene, 1,2,3,5-tetramethyl- *	4.700	J	0	0	ug/L
Q1746-05	B-158-GW01	WATER	Benzene, 1,2,4,5-tetramethyl- *	2.800	J	0	0	ug/L
Q1746-05	B-158-GW01	WATER	Benzophenone *	11.100	J	0	0	ug/L
Q1746-05	B-158-GW01	WATER	Butyl citrate *	8.900	J	0	0	ug/L

Hit Summary Sheet SW-846

SDG No.: Q1746
Client: Portal Partners Tri-Venture

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Q1746-05	B-158-GW01	WATER	Ethanol, 2-(2-butoxyethoxy)-	*	24.400	J 0	0	ug/L
Q1746-05	B-158-GW01	WATER	n-Hexadecanoic acid	*	17.700	J 0	0	ug/L
Q1746-05	B-158-GW01	WATER	Octadecanoic acid	*	20.800	J 0	0	ug/L
Total Tics :				110.30				
Total Concentration:				110.30				
Client ID : B-149-GW01								
Q1746-06	B-149-GW01	WATER	Di-n-butylphthalate		4.100	J 1.3	5.2	ug/L
Total Svoc :				4.10				
Q1746-06	B-149-GW01	WATER	1,2-Benzenedicarboxylic acid, bis *	2.500	J 0		0	ug/L
Q1746-06	B-149-GW01	WATER	1,4-Dibutyl benzene-1,4-dicarbox *	4.600	J 0		0	ug/L
Q1746-06	B-149-GW01	WATER	1-Hexacosene *	3.200	J 0		0	ug/L
Q1746-06	B-149-GW01	WATER	2-Pentanone, 4-hydroxy-4-methyl *	4.900	AB 0		0	ug/L
Q1746-06	B-149-GW01	WATER	Adipic acid, butyl 3-pentyl ester *	69.500	J 0		0	ug/L
Q1746-06	B-149-GW01	WATER	Benzophenone *	3.600	J 0		0	ug/L
Q1746-06	B-149-GW01	WATER	Butyl citrate *	5.800	J 0		0	ug/L
Q1746-06	B-149-GW01	WATER	Ethanol, 2-(2-butoxyethoxy)- *	8.900	J 0		0	ug/L
Q1746-06	B-149-GW01	WATER	Ethanol, 2-[2-(2-butoxyethoxy)eth] *	2.300	J 0		0	ug/L
Q1746-06	B-149-GW01	WATER	Hexanoic acid, 2-ethyl- *	31.100	J 0		0	ug/L
Q1746-06	B-149-GW01	WATER	n-Hexadecanoic acid *	31.200	J 0		0	ug/L
Q1746-06	B-149-GW01	WATER	Octadecanoic acid *	51.500	J 0		0	ug/L
Q1746-06	B-149-GW01	WATER	Pentanoic acid, 2,2,4-trimethyl-3- *	5.700	J 0		0	ug/L
Q1746-06	B-149-GW01	WATER	Benzoic acid *	5.000	J 4.3		10.3	ug/L
Total Tics :				229.80				
Total Concentration:				233.90				
Client ID : EB-2025-4-7								
Q1746-07	EB-2025-4-7	WATER	2-Pentanone, 4-hydroxy-4-methyl *	5.400	AB 0		0	ug/L
Q1746-07	EB-2025-4-7	WATER	7,9-Di-tert-butyl-1-oxaspiro(4,5)d *	4.200	J 0		0	ug/L
Q1746-07	EB-2025-4-7	WATER	trans-13-Octadecenoic acid *	2.500	J 0		0	ug/L
Total Tics :				12.10				
Total Concentration:				12.10				



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB01	SDG No.:	Q1746
Lab Sample ID:	Q1746-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024240.D	1	04/08/25 08:59	04/09/25 18:22	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	370	ug/Kg
108-95-2	Phenol	24.7	U	24.7	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.2	U	27.2	190	ug/Kg
95-57-8	2-Chlorophenol	27.3	U	27.3	190	ug/Kg
95-48-7	2-Methylphenol	33.4	U	33.4	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.0	U	42.0	190	ug/Kg
98-86-2	Acetophenone	33.0	U	33.0	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.0	U	46.0	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.0	U	53.0	89.5	ug/Kg
67-72-1	Hexachloroethane	19.7	U	19.7	190	ug/Kg
98-95-3	Nitrobenzene	20.5	U	20.5	190	ug/Kg
78-59-1	Isophorone	36.7	U	36.7	190	ug/Kg
88-75-5	2-Nitrophenol	65.1	U	65.1	190	ug/Kg
105-67-9	2,4-Dimethylphenol	72.5	U	72.5	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.5	U	34.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.7	U	31.7	190	ug/Kg
91-20-3	Naphthalene	25.4	U	25.4	190	ug/Kg
106-47-8	4-Chloroaniline	39.6	UQ	39.6	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.3	U	28.3	190	ug/Kg
105-60-2	Caprolactam	58.3	U	58.3	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.1	U	32.1	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.6	U	28.6	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	UQ	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.2	U	22.2	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.6	U	32.6	190	ug/Kg
92-52-4	1,1-Biphenyl	24.4	U	24.4	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.2	U	25.2	190	ug/Kg
88-74-4	2-Nitroaniline	53.8	U	53.8	190	ug/Kg
131-11-3	Dimethylphthalate	30.3	U	30.3	190	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB01	SDG No.:	Q1746
Lab Sample ID:	Q1746-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024240.D	1	04/08/25 08:59	04/09/25 18:22	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.3	U	32.3	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.6	U	37.6	190	ug/Kg
99-09-2	3-Nitroaniline	51.5	UQ	51.5	190	ug/Kg
83-32-9	Acenaphthene	23.8	U	23.8	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	370	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	370	ug/Kg
132-64-9	Dibenzofuran	25.4	U	25.4	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.0	U	56.0	190	ug/Kg
84-66-2	Diethylphthalate	31.7	U	31.7	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.9	U	29.9	190	ug/Kg
86-73-7	Fluorene	28.3	U	28.3	190	ug/Kg
100-01-6	4-Nitroaniline	71.8	U	71.8	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.8	U	36.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.1	U	31.1	190	ug/Kg
118-74-1	Hexachlorobenzene	28.3	U	28.3	190	ug/Kg
1912-24-9	Atrazine	38.0	U	38.0	190	ug/Kg
87-86-5	Pentachlorophenol	57.4	U	57.4	370	ug/Kg
85-01-8	Phenanthrene	110	J	23.4	190	ug/Kg
120-12-7	Anthracene	37.3	U	37.3	190	ug/Kg
86-74-8	Carbazole	34.9	U	34.9	190	ug/Kg
84-74-2	Di-n-butylphthalate	53.6	U	53.6	190	ug/Kg
206-44-0	Fluoranthene	200		33.6	190	ug/Kg
129-00-0	Pyrene	190		40.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	79.9	U	79.9	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.1	U	41.1	370	ug/Kg
56-55-3	Benzo(a)anthracene	100	J	25.7	190	ug/Kg
218-01-9	Chrysene	120	J	22.3	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	66.2	U	66.2	190	ug/Kg
117-84-0	Di-n-octyl phthalate	97.1	U	97.1	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	J	21.3	190	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB01	SDG No.:	Q1746
Lab Sample ID:	Q1746-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024240.D	1	04/08/25 08:59	04/09/25 18:22	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.1	U	25.1	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	J	33.0	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.6	U	32.6	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.7	U	30.7	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.8	U	28.8	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.6	U	28.6	190	ug/Kg
123-91-1	1,4-Dioxane	50.6	U	50.6	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.7	U	30.7	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	107		30 (18) - 130 (112)	71%	SPK: 150
13127-88-3	Phenol-d6	105		30 (15) - 130 (107)	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.2		30 (18) - 130 (107)	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.6		30 (20) - 130 (109)	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	103		30 (10) - 130 (116)	69%	SPK: 150
1718-51-0	Terphenyl-d14	62.9		30 (10) - 130 (105)	63%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	274000	7.74
1146-65-2	Naphthalene-d8	1110000	10.516
15067-26-2	Acenaphthene-d10	675000	14.375
1517-22-2	Phenanthrene-d10	1350000	17.175
1719-03-5	Chrysene-d12	1470000	21.621
1520-96-3	Perylene-d12	1670000	24.992

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	350	AB	4.90	ug/Kg
000119-61-9	Benzophenone	290	J	15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	JB	18.1	ug/Kg
000077-94-1	Butyl citrate	120	J	19.6	ug/Kg
000103-23-1	Hexanedioic acid, bis(2-ethylhexyl	160	J	20.7	ug/Kg
074685-33-9	3-Eicosene, (E)-	75.3	J	21.3	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB01	SDG No.:	Q1746
Lab Sample ID:	Q1746-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024240.D	1	04/08/25 08:59	04/09/25 18:22	PB167509

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB02	SDG No.:	Q1746
Lab Sample ID:	Q1746-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049868.D	1	04/08/25 08:59	04/09/25 15:05	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	390	ug/Kg
108-95-2	Phenol	26.0	U	26.0	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.6	U	28.6	200	ug/Kg
95-57-8	2-Chlorophenol	28.7	U	28.7	200	ug/Kg
95-48-7	2-Methylphenol	35.2	U	35.2	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.1	U	44.1	200	ug/Kg
98-86-2	Acetophenone	34.7	U	34.7	200	ug/Kg
65794-96-9	3+4-Methylphenols	48.4	U	48.4	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.8	U	55.8	94.1	ug/Kg
67-72-1	Hexachloroethane	20.7	U	20.7	200	ug/Kg
98-95-3	Nitrobenzene	21.5	U	21.5	200	ug/Kg
78-59-1	Isophorone	38.6	U	38.6	200	ug/Kg
88-75-5	2-Nitrophenol	68.5	U	68.5	200	ug/Kg
105-67-9	2,4-Dimethylphenol	76.2	U	76.2	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.2	U	36.2	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.3	U	33.3	200	ug/Kg
91-20-3	Naphthalene	26.7	U	26.7	200	ug/Kg
106-47-8	4-Chloroaniline	41.6	UQ	41.6	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.8	U	29.8	200	ug/Kg
105-60-2	Caprolactam	61.3	U	61.3	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.8	U	33.8	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.1	U	30.1	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	UQ	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.3	U	23.3	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.2	U	34.2	200	ug/Kg
92-52-4	1,1-Biphenyl	25.6	U	25.6	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.5	U	26.5	200	ug/Kg
88-74-4	2-Nitroaniline	56.6	U	56.6	200	ug/Kg
131-11-3	Dimethylphthalate	31.9	U	31.9	200	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB02	SDG No.:	Q1746
Lab Sample ID:	Q1746-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049868.D	1	04/08/25 08:59	04/09/25 15:05	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.0	U	34.0	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.5	U	39.5	200	ug/Kg
99-09-2	3-Nitroaniline	54.1	UQ	54.1	200	ug/Kg
83-32-9	Acenaphthene	25.1	U	25.1	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	390	ug/Kg
132-64-9	Dibenzofuran	26.7	U	26.7	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.9	U	58.9	200	ug/Kg
84-66-2	Diethylphthalate	33.3	U	33.3	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.4	U	31.4	200	ug/Kg
86-73-7	Fluorene	29.8	U	29.8	200	ug/Kg
100-01-6	4-Nitroaniline	75.5	U	75.5	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.7	U	38.7	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.7	U	32.7	200	ug/Kg
118-74-1	Hexachlorobenzene	29.8	U	29.8	200	ug/Kg
1912-24-9	Atrazine	40.0	U	40.0	200	ug/Kg
87-86-5	Pentachlorophenol	60.4	U	60.4	390	ug/Kg
85-01-8	Phenanthrene	24.6	U	24.6	200	ug/Kg
120-12-7	Anthracene	39.2	U	39.2	200	ug/Kg
86-74-8	Carbazole	36.7	U	36.7	200	ug/Kg
84-74-2	Di-n-butylphthalate	56.4	U	56.4	200	ug/Kg
206-44-0	Fluoranthene	35.3	U	35.3	200	ug/Kg
129-00-0	Pyrene	42.4	U	42.4	200	ug/Kg
85-68-7	Butylbenzylphthalate	84.0	U	84.0	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.2	U	43.2	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.1	U	27.1	200	ug/Kg
218-01-9	Chrysene	86.4	J	23.4	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	69.6	U	69.6	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	22.4	200	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB02	SDG No.:	Q1746
Lab Sample ID:	Q1746-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049868.D	1	04/08/25 08:59	04/09/25 15:05	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	100	J	26.4	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.7	U	34.7	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.2	U	34.2	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.2	U	32.2	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.2	U	30.2	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.1	U	30.1	200	ug/Kg
123-91-1	1,4-Dioxane	53.2	U	53.2	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.2	U	32.2	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	152		30 (18) - 130 (112)	102%	SPK: 150
13127-88-3	Phenol-d6	155		30 (15) - 130 (107)	104%	SPK: 150
4165-60-0	Nitrobenzene-d5	105		30 (18) - 130 (107)	105%	SPK: 100
321-60-8	2-Fluorobiphenyl	101		30 (20) - 130 (109)	101%	SPK: 100
118-79-6	2,4,6-Tribromophenol	177		30 (10) - 130 (116)	118%	SPK: 150
1718-51-0	Terphenyl-d14	109		30 (10) - 130 (105)	109%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	322000	7.781
1146-65-2	Naphthalene-d8	1150000	10.575
15067-26-2	Acenaphthene-d10	771000	14.421
1517-22-2	Phenanthrene-d10	1530000	17.162
1719-03-5	Chrysene-d12	1430000	21.397
1520-96-3	Perylene-d12	1580000	24.397

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	530	AB	4.90	ug/Kg
000119-61-9	Benzophenone	410	J	15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	450	JB	18.1	ug/Kg
000057-11-4	Octadecanoic acid	140	JB	19.3	ug/Kg
000297-03-0	Cyclotetrasiloxane	160	J	21.1	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB02	SDG No.:	Q1746
Lab Sample ID:	Q1746-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049868.D	1	04/08/25 08:59	04/09/25 15:05	PB167509

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024252.D	1	04/08/25 11:55	04/10/25 14:36	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.2	ug/L
108-95-2	Phenol	0.93	U	0.93	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.83	U	0.83	5.10	ug/L
95-57-8	2-Chlorophenol	0.59	U	0.59	5.10	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.10	ug/L
98-86-2	Acetophenone	0.76	U	0.76	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.60	ug/L
67-72-1	Hexachloroethane	0.66	U	0.66	5.10	ug/L
98-95-3	Nitrobenzene	0.78	U	0.78	5.10	ug/L
78-59-1	Isophorone	0.77	U	0.77	5.10	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.10	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.69	U	0.69	5.10	ug/L
120-83-2	2,4-Dichlorophenol	0.53	U	0.53	5.10	ug/L
91-20-3	Naphthalene	0.51	U	0.51	5.10	ug/L
106-47-8	4-Chloroaniline	0.86	UQ	0.86	5.10	ug/L
87-68-3	Hexachlorobutadiene	0.55	U	0.55	5.10	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	0.60	U	0.60	5.10	ug/L
91-57-6	2-Methylnaphthalene	0.57	U	0.57	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	UQ	3.70	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	0.52	U	0.52	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	0.63	U	0.63	5.10	ug/L
92-52-4	1,1-Biphenyl	0.54	U	0.54	5.10	ug/L
91-58-7	2-Chloronaphthalene	0.62	U	0.62	5.10	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.10	ug/L
131-11-3	Dimethylphthalate	0.62	U	0.62	5.10	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024252.D	1	04/08/25 11:55	04/10/25 14:36	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.77	U	0.77	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	0.94	U	0.94	5.10	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.10	ug/L
83-32-9	Acenaphthene	0.56	U	0.56	5.10	ug/L
51-28-5	2,4-Dinitrophenol	6.10	U	6.10	10.2	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.2	ug/L
132-64-9	Dibenzofuran	0.62	U	0.62	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.10	ug/L
84-66-2	Diethylphthalate	0.70	U	0.70	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.69	U	0.69	5.10	ug/L
86-73-7	Fluorene	0.64	U	0.64	5.10	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	0.59	U	0.59	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	0.41	U	0.41	5.10	ug/L
118-74-1	Hexachlorobenzene	0.53	U	0.53	5.10	ug/L
1912-24-9	Atrazine	1.00	UQ	1.00	5.10	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.2	ug/L
85-01-8	Phenanthrene	0.51	U	0.51	5.10	ug/L
120-12-7	Anthracene	0.62	U	0.62	5.10	ug/L
86-74-8	Carbazole	0.73	U	0.73	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.10	ug/L
206-44-0	Fluoranthene	0.84	U	0.84	5.10	ug/L
129-00-0	Pyrene	0.51	U	0.51	5.10	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	0.95	UQ	0.95	10.2	ug/L
56-55-3	Benzo(a)anthracene	0.46	U	0.46	5.10	ug/L
218-01-9	Chrysene	0.45	U	0.45	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.10	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	5.10	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024252.D	1	04/08/25 11:55	04/10/25 14:36	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	5.10	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.60	U	0.60	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.68	U	0.68	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.70	U	0.70	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.53	U	0.53	5.10	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.73	U	0.73	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	37.1		15 (10) - 110 (139)	25%	SPK: 150
13127-88-3	Phenol-d6	23.0		15 (10) - 110 (134)	15%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.7		30 (49) - 130 (133)	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.4		30 (52) - 130 (132)	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.8		15 (44) - 110 (137)	56%	SPK: 150
1718-51-0	Terphenyl-d14	58.4		30 (48) - 130 (125)	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	263000	7.74			
1146-65-2	Naphthalene-d8	1030000	10.516			
15067-26-2	Acenaphthene-d10	601000	14.369			
1517-22-2	Phenanthrene-d10	1140000	17.175			
1719-03-5	Chrysene-d12	1210000	21.616			
1520-96-3	Perylene-d12	1470000	24.974			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.60	AB		4.90	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	2.30	J		8.37	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	2.80	J		9.35	ug/L
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	4.70	J		9.41	ug/L
000824-90-8	1-Phenyl-1-butene	3.50	J		9.92	ug/L
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	24.4	J		10.3	ug/L
000119-61-9	Benzophenone	11.1	J		15.8	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024252.D	1	04/08/25 11:55	04/10/25 14:36	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000057-10-3	n-Hexadecanoic acid	17.7	J		18.1	ug/L
000057-11-4	Octadecanoic acid	20.8	J		19.4	ug/L
000077-94-1	Butyl citrate	8.90	J		19.6	ug/L
015594-90-8	1-Heneicosanol	10.5	J		21.3	ug/L

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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	04/06/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	04/07/25	
Client Sample ID:	B-149-GW01		SDG No.:	Q1746	
Lab Sample ID:	Q1746-06		Matrix:	Water	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	970	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-TCL BNA -20	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024253.D	1	04/08/25 11:55	04/10/25 15:17	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.3	ug/L
108-95-2	Phenol	0.94	U	0.94	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.84	U	0.84	5.20	ug/L
95-57-8	2-Chlorophenol	0.60	U	0.60	5.20	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.20	ug/L
98-86-2	Acetophenone	0.76	U	0.76	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.3	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.60	ug/L
67-72-1	Hexachloroethane	0.67	U	0.67	5.20	ug/L
98-95-3	Nitrobenzene	0.78	U	0.78	5.20	ug/L
78-59-1	Isophorone	0.77	U	0.77	5.20	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.20	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.70	U	0.70	5.20	ug/L
120-83-2	2,4-Dichlorophenol	0.54	U	0.54	5.20	ug/L
91-20-3	Naphthalene	0.52	U	0.52	5.20	ug/L
106-47-8	4-Chloroaniline	0.87	UQ	0.87	5.20	ug/L
87-68-3	Hexachlorobutadiene	0.56	U	0.56	5.20	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.3	ug/L
59-50-7	4-Chloro-3-methylphenol	0.61	U	0.61	5.20	ug/L
91-57-6	2-Methylnaphthalene	0.58	U	0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	UQ	3.70	10.3	ug/L
88-06-2	2,4,6-Trichlorophenol	0.53	U	0.53	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	0.64	U	0.64	5.20	ug/L
92-52-4	1,1-Biphenyl	0.55	U	0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	0.63	U	0.63	5.20	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.20	ug/L
131-11-3	Dimethylphthalate	0.63	U	0.63	5.20	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024253.D	1	04/08/25 11:55	04/10/25 15:17	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.77	U	0.77	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	0.95	U	0.95	5.20	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.20	ug/L
83-32-9	Acenaphthene	0.57	U	0.57	5.20	ug/L
51-28-5	2,4-Dinitrophenol	6.20	U	6.20	10.3	ug/L
100-02-7	4-Nitrophenol	2.50	U	2.50	10.3	ug/L
132-64-9	Dibenzofuran	0.63	U	0.63	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.30	U	1.30	5.20	ug/L
84-66-2	Diethylphthalate	0.71	U	0.71	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.70	U	0.70	5.20	ug/L
86-73-7	Fluorene	0.65	U	0.65	5.20	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.00	U	3.00	10.3	ug/L
86-30-6	n-Nitrosodiphenylamine	0.60	U	0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	0.41	U	0.41	5.20	ug/L
118-74-1	Hexachlorobenzene	0.54	U	0.54	5.20	ug/L
1912-24-9	Atrazine	1.00	UQ	1.00	5.20	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.3	ug/L
85-01-8	Phenanthrene	0.52	U	0.52	5.20	ug/L
120-12-7	Anthracene	0.63	U	0.63	5.20	ug/L
86-74-8	Carbazole	0.74	U	0.74	5.20	ug/L
84-74-2	Di-n-butylphthalate	4.10	J	1.30	5.20	ug/L
206-44-0	Fluoranthene	0.85	U	0.85	5.20	ug/L
129-00-0	Pyrene	0.52	U	0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	0.96	UQ	0.96	10.3	ug/L
56-55-3	Benzo(a)anthracene	0.46	U	0.46	5.20	ug/L
218-01-9	Chrysene	0.45	U	0.45	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.20	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	0.51	U	0.51	5.20	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024253.D	1	04/08/25 11:55	04/10/25 15:17	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	5.20	ug/L
50-32-8	Benzo(a)pyrene	0.57	U	0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.61	U	0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.69	U	0.69	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	0.71	U	0.71	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.54	U	0.54	5.20	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.74	U	0.74	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	68.5		15 (10) - 110 (139)	46%	SPK: 150
13127-88-3	Phenol-d6	40.8		15 (10) - 110 (134)	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.7		30 (49) - 130 (133)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.1		30 (52) - 130 (132)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	172	*	15 (44) - 110 (137)	114%	SPK: 150
1718-51-0	Terphenyl-d14	96.3		30 (48) - 130 (125)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	263000	7.74			
1146-65-2	Naphthalene-d8	1040000	10.516			
15067-26-2	Acenaphthene-d10	640000	14.375			
1517-22-2	Phenanthrene-d10	1290000	17.175			
1719-03-5	Chrysene-d12	1390000	21.622			
1520-96-3	Perylene-d12	1580000	24.992			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.90	AB		4.90	ug/L
000149-57-5	Hexanoic acid, 2-ethyl-	31.1	J		9.07	ug/L
65-85-0	Benzoic acid	5.00	J		9.78	ug/L
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	8.90	J		10.3	ug/L
000143-22-6	Ethanol, 2-[2-(2-butoxyethoxy)etho	2.30	J		13.9	ug/L
1000140-77-5	Pentanoic acid, 2,2,4-trimethyl-3-	5.70	J		15.2	ug/L
000119-61-9	Benzophenone	3.60	J		15.8	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024253.D	1	04/08/25 11:55	04/10/25 15:17	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000084-69-5	1,2-Benzenedicarboxylic acid, bis(	2.50	J		17.5	ug/L
001962-75-0	1,4-Dibutyl benzene-1,4-dicarboxyl	4.60	J		17.8	ug/L
000057-10-3	n-Hexadecanoic acid	31.2	J		18.1	ug/L
000077-94-1	Butyl citrate	5.80	J		19.3	ug/L
000057-11-4	Octadecanoic acid	51.5	J		19.5	ug/L
1000324-60-5	Adipic acid, butyl 3-pentyl ester	69.5	J		19.6	ug/L
018835-33-1	1-Hexacosene	3.20	J		21.3	ug/L

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	EB-2025-4-7	SDG No.:	Q1746
Lab Sample ID:	Q1746-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024239.D	1	04/08/25 11:55	04/09/25 17:41	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.3	ug/L
108-95-2	Phenol	0.94	U	0.94	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.84	U	0.84	5.20	ug/L
95-57-8	2-Chlorophenol	0.60	U	0.60	5.20	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.20	ug/L
98-86-2	Acetophenone	0.76	U	0.76	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.3	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.60	ug/L
67-72-1	Hexachloroethane	0.67	U	0.67	5.20	ug/L
98-95-3	Nitrobenzene	0.78	U	0.78	5.20	ug/L
78-59-1	Isophorone	0.77	U	0.77	5.20	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.20	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.70	U	0.70	5.20	ug/L
120-83-2	2,4-Dichlorophenol	0.54	U	0.54	5.20	ug/L
91-20-3	Naphthalene	0.52	U	0.52	5.20	ug/L
106-47-8	4-Chloroaniline	0.87	UQ	0.87	5.20	ug/L
87-68-3	Hexachlorobutadiene	0.56	U	0.56	5.20	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.3	ug/L
59-50-7	4-Chloro-3-methylphenol	0.61	U	0.61	5.20	ug/L
91-57-6	2-Methylnaphthalene	0.58	U	0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	UQ	3.70	10.3	ug/L
88-06-2	2,4,6-Trichlorophenol	0.53	U	0.53	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	0.64	U	0.64	5.20	ug/L
92-52-4	1,1-Biphenyl	0.55	U	0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	0.63	U	0.63	5.20	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.20	ug/L
131-11-3	Dimethylphthalate	0.63	U	0.63	5.20	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	EB-2025-4-7	SDG No.:	Q1746
Lab Sample ID:	Q1746-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024239.D	1	04/08/25 11:55	04/09/25 17:41	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.77	U	0.77	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	0.95	U	0.95	5.20	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.20	ug/L
83-32-9	Acenaphthene	0.57	U	0.57	5.20	ug/L
51-28-5	2,4-Dinitrophenol	6.20	U	6.20	10.3	ug/L
100-02-7	4-Nitrophenol	2.50	U	2.50	10.3	ug/L
132-64-9	Dibenzofuran	0.63	U	0.63	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.30	U	1.30	5.20	ug/L
84-66-2	Diethylphthalate	0.71	U	0.71	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.70	U	0.70	5.20	ug/L
86-73-7	Fluorene	0.65	U	0.65	5.20	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.00	U	3.00	10.3	ug/L
86-30-6	n-Nitrosodiphenylamine	0.60	U	0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	0.41	U	0.41	5.20	ug/L
118-74-1	Hexachlorobenzene	0.54	U	0.54	5.20	ug/L
1912-24-9	Atrazine	1.00	UQ	1.00	5.20	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.3	ug/L
85-01-8	Phenanthrene	0.52	U	0.52	5.20	ug/L
120-12-7	Anthracene	0.63	U	0.63	5.20	ug/L
86-74-8	Carbazole	0.74	U	0.74	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.30	U	1.30	5.20	ug/L
206-44-0	Fluoranthene	0.85	U	0.85	5.20	ug/L
129-00-0	Pyrene	0.52	U	0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	0.96	UQ	0.96	10.3	ug/L
56-55-3	Benzo(a)anthracene	0.46	U	0.46	5.20	ug/L
218-01-9	Chrysene	0.45	U	0.45	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.20	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	0.51	U	0.51	5.20	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	EB-2025-4-7	SDG No.:	Q1746
Lab Sample ID:	Q1746-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024239.D	1	04/08/25 11:55	04/09/25 17:41	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	5.20	ug/L
50-32-8	Benzo(a)pyrene	0.57	U	0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.61	U	0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.69	U	0.69	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	0.71	U	0.71	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.54	U	0.54	5.20	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.74	U	0.74	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	68.3		15 (10) - 110 (139)	46%	SPK: 150
13127-88-3	Phenol-d6	38.6		15 (10) - 110 (134)	26%	SPK: 150
4165-60-0	Nitrobenzene-d5	105		30 (49) - 130 (133)	105%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.4		30 (52) - 130 (132)	92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	172	*	15 (44) - 110 (137)	115%	SPK: 150
1718-51-0	Terphenyl-d14	104		30 (48) - 130 (125)	104%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	236000	7.74			
1146-65-2	Naphthalene-d8	911000	10.516			
15067-26-2	Acenaphthene-d10	559000	14.381			
1517-22-2	Phenanthrene-d10	1170000	17.175			
1719-03-5	Chrysene-d12	1380000	21.616			
1520-96-3	Perylene-d12	1470000	24.992			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.40	AB		4.90	ug/L
082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	4.20	J		17.9	ug/L
000693-71-0	trans-13-Octadecenoic acid	2.50	J		19.3	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	EB-2025-4-7	SDG No.:	Q1746
Lab Sample ID:	Q1746-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024239.D	1	04/08/25 11:55	04/09/25 17:41	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Surrogate Summary

SW-846

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167509BL	PB167509BL	2-Fluorophenol	150	138	92		30 (18)	130 (112)
		Phenol-d6	150	134	89		30 (15)	130 (107)
		Nitrobenzene-d5	100	95.5	95		30 (18)	130 (107)
		2-Fluorobiphenyl	100	96.3	96		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	146	97		30 (10)	130 (116)
		Terphenyl-d14	100	112	112		30 (10)	130 (105)
PB167509BS	PB167509BS	2-Fluorophenol	150	127	85		30 (18)	130 (112)
		Phenol-d6	150	126	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	87.2	87		30 (18)	130 (107)
		2-Fluorobiphenyl	100	89.2	89		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	145	97		30 (10)	130 (116)
		Terphenyl-d14	100	101	101		30 (10)	130 (105)
Q1744-01MS	B-158-SB01MS	2-Fluorophenol	150	123	82		30 (18)	130 (112)
		Phenol-d6	150	125	83		30 (15)	130 (107)
		Nitrobenzene-d5	100	82.9	83		30 (18)	130 (107)
		2-Fluorobiphenyl	100	81.7	82		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	135	90		30 (10)	130 (116)
		Terphenyl-d14	100	89.4	89		30 (10)	130 (105)
Q1744-01MSD	B-158-SB01MSD	2-Fluorophenol	150	127	85		30 (18)	130 (112)
		Phenol-d6	150	130	87		30 (15)	130 (107)
		Nitrobenzene-d5	100	86.2	86		30 (18)	130 (107)
		2-Fluorobiphenyl	100	85.2	85		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	141	94		30 (10)	130 (116)
		Terphenyl-d14	100	93.3	93		30 (10)	130 (105)
Q1746-01	B-149-SB01	2-Fluorophenol	150	107	71		30 (18)	130 (112)
		Phenol-d6	150	105	70		30 (15)	130 (107)
		Nitrobenzene-d5	100	73.2	73		30 (18)	130 (107)
		2-Fluorobiphenyl	100	65.6	66		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	103	69		30 (10)	130 (116)
		Terphenyl-d14	100	62.9	63		30 (10)	130 (105)
Q1746-03	B-149-SB02	2-Fluorophenol	150	152	102		30 (18)	130 (112)
		Phenol-d6	150	155	104		30 (15)	130 (107)
		Nitrobenzene-d5	100	105	105		30 (18)	130 (107)
		2-Fluorobiphenyl	100	101	101		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	177	118		30 (10)	130 (116)
		Terphenyl-d14	100	109	109		30 (10)	130 (105)

Surrogate Summary

SW-846

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167521BL	PB167521BL	2-Fluorophenol	150	128	86		15 (10)	110 (139)
		Phenol-d6	150	125	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	88.3	88		30 (49)	130 (133)
		2-Fluorobiphenyl	100	89.2	89		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	136	91		15 (44)	110 (137)
		Terphenyl-d14	100	108	108		30 (48)	130 (125)
PB167521BS	PB167521BS	2-Fluorophenol	150	119	79		15 (10)	110 (139)
		Phenol-d6	150	118	78		15 (10)	110 (134)
		Nitrobenzene-d5	100	79.5	79		30 (49)	130 (133)
		2-Fluorobiphenyl	100	82.6	83		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	130	87		15 (44)	110 (137)
		Terphenyl-d14	100	94.4	94		30 (48)	130 (125)
PB167521BSD	PB167521BSD	2-Fluorophenol	150	125	83		15 (10)	110 (139)
		Phenol-d6	150	122	82		15 (10)	110 (134)
		Nitrobenzene-d5	100	84.5	84		30 (49)	130 (133)
		2-Fluorobiphenyl	100	84.4	84		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	136	91		15 (44)	110 (137)
		Terphenyl-d14	100	98.6	99		30 (48)	130 (125)
Q1746-05	B-158-GW01	2-Fluorophenol	150	37.1	25		15 (10)	110 (139)
		Phenol-d6	150	23.0	15		15 (10)	110 (134)
		Nitrobenzene-d5	100	65.7	66		30 (49)	130 (133)
		2-Fluorobiphenyl	100	61.4	61		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	83.8	56		15 (44)	110 (137)
		Terphenyl-d14	100	58.4	58		30 (48)	130 (125)
Q1746-06	B-149-GW01	2-Fluorophenol	150	68.5	46		15 (10)	110 (139)
		Phenol-d6	150	40.8	27		15 (10)	110 (134)
		Nitrobenzene-d5	100	99.7	100		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.1	94		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	172	114	*	15 (44)	110 (137)
		Terphenyl-d14	100	96.3	96		30 (48)	130 (125)
Q1746-07	EB-2025-4-7	2-Fluorophenol	150	68.3	46		15 (10)	110 (139)
		Phenol-d6	150	38.6	26		15 (10)	110 (134)
		Nitrobenzene-d5	100	105	105		30 (49)	130 (133)
		2-Fluorobiphenyl	100	92.4	92		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	172	115	*	15 (44)	110 (137)
		Terphenyl-d14	100	104	104		30 (48)	130 (125)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q1744-01MS		Client Sample ID: B-158-SB01MS		DataFile: BM049865.D							
Benzaldehyde	1800	0	1600	ug/Kg	89				20 (10)	160 (86)	
Phenol	1800	0	1900	ug/Kg	106				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1800	0	1700	ug/Kg	94				70 (54)	130 (125)	
2-Chlorophenol	1800	0	1800	ug/Kg	100				70 (79)	130 (107)	
2-Methylphenol	1800	0	1900	ug/Kg	106				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1800	0	1800	ug/Kg	100				70 (65)	130 (110)	
Acetophenone	1800	0	1700	ug/Kg	94				70 (75)	130 (111)	
3+4-Methylphenols	1800	0	1900	ug/Kg	106				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1800	0	1800	ug/Kg	100				70 (59)	130 (119)	
Hexachloroethane	1800	0	1700	ug/Kg	94				20 (65)	160 (117)	
Nitrobenzene	1800	0	1700	ug/Kg	94				70 (70)	130 (119)	
Isophorone	1800	0	1900	ug/Kg	106				70 (76)	130 (122)	
2-Nitrophenol	1800	0	1700	ug/Kg	94				70 (54)	130 (145)	
2,4-Dimethylphenol	1800	0	2600	ug/Kg	144	*			70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1800	0	1700	ug/Kg	94				70 (68)	130 (112)	
2,4-Dichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (118)	
Naphthalene	1800	0	1700	ug/Kg	94				70 (72)	130 (110)	
4-Chloroaniline	1800	0	410	ug/Kg	23	*			70 (10)	130 (91)	
Hexachlorobutadiene	1800	0	1700	ug/Kg	94				70 (66)	130 (114)	
Caprolactam	1800	0	1700	ug/Kg	94				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1800	0	1800	ug/Kg	100				70 (57)	130 (132)	
2-Methylnaphthalene	1800	0	1600	ug/Kg	89				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3700	0	6500	ug/Kg	176	*			20 (10)	160 (175)	
2,4,6-Trichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (117)	
1,1-Biphenyl	1800	0	1700	ug/Kg	94				70 (75)	130 (113)	
2-Chloronaphthalene	1800	0	1700	ug/Kg	94				70 (67)	130 (118)	
2-Nitroaniline	1800	0	1800	ug/Kg	100				70 (69)	130 (127)	
Dimethylphthalate	1800	0	1700	ug/Kg	94				70 (70)	130 (113)	
Acenaphthylene	1800	0	1900	ug/Kg	106				70 (79)	130 (118)	
2,6-Dinitrotoluene	1800	0	1800	ug/Kg	100				70 (70)	130 (125)	
3-Nitroaniline	1800	0	500	ug/Kg	28	*			70 (30)	130 (99)	
Acenaphthene	1800	0	1700	ug/Kg	94				70 (70)	130 (121)	
2,4-Dinitrophenol	3700	0	3100	ug/Kg	84				20 (10)	160 (155)	
4-Nitrophenol	3700	0	3900	ug/Kg	105				20 (45)	160 (133)	
Dibenzofuran	1800	0	1700	ug/Kg	94				70 (72)	130 (110)	
2,4-Dinitrotoluene	1800	0	1900	ug/Kg	106				70 (55)	130 (128)	
Diethylphthalate	1800	0	1700	ug/Kg	94				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1800	0	1800	ug/Kg	100				70 (71)	130 (108)	
Fluorene	1800	0	1800	ug/Kg	100				70 (68)	130 (116)	
4-Nitroaniline	1800	0	1600	ug/Kg	89				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1800	0	1700	ug/Kg	94				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1800	0	1800	ug/Kg	100				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1800	0	1700	ug/Kg	94				70 (65)	130 (121)	
Hexachlorobenzene	1800	0	1800	ug/Kg	100				70 (67)	130 (118)	
Atrazine	1800	0	2500	ug/Kg	139	*			70 (79)	130 (127)	

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3700	0	3600	ug/Kg	97				20 (47)	160 (128)	
Phenanthrene	1800	0	1800	ug/Kg	100				70 (52)	130 (128)	
Anthracene	1800	0	1800	ug/Kg	100				70 (62)	130 (124)	
Carbazole	1800	0	1800	ug/Kg	100				70 (59)	130 (119)	
Di-n-butylphthalate	1800	0	1700	ug/Kg	94				70 (69)	130 (118)	
Fluoranthene	1800	0	1800	ug/Kg	100				70 (44)	130 (125)	
Pyrene	1800	0	1700	ug/Kg	94				70 (26)	130 (142)	
Butylbenzylphthalate	1800	0	1600	ug/Kg	89				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1800	0	550	ug/Kg	31	*			70 (33)	130 (116)	
Benzo(a)anthracene	1800	81.9	1800	ug/Kg	95				70 (71)	130 (114)	
Chrysene	1800	160	1900	ug/Kg	97				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1800	0	1700	ug/Kg	94				70 (42)	130 (169)	
Di-n-octyl phthalate	1800	0	1600	ug/Kg	89				70 (23)	130 (175)	
Benzo(b)fluoranthene	1800	160	1900	ug/Kg	97				70 (67)	130 (121)	
Benzo(k)fluoranthene	1800	160	1900	ug/Kg	97				70 (57)	130 (134)	
Benzo(a)pyrene	1800	0	1900	ug/Kg	106				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1800	0	1800	ug/Kg	100				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1800	0	1800	ug/Kg	100				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1800	0	1700	ug/Kg	94				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1800	0	1700	ug/Kg	94				70 (69)	130 (124)	
1,4-Dioxane	1800	0	1600	ug/Kg	89				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1800	0	1700	ug/Kg	94				70 (69)	130 (112)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1744-01MSD	Client Sample ID:	B-158-SB01MSD					DataFile:	BM049866.D		
Benzaldehyde	1800	0	1600	ug/Kg	89		0		20 (10)	160 (86)	30 (20)
Phenol	1800	0	1900	ug/Kg	106		0		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1800	0	1800	ug/Kg	100		6		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1800	0	1900	ug/Kg	106		6		70 (79)	130 (107)	30 (20)
2-Methylphenol	1800	0	2000	ug/Kg	111		5		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1800	0	1900	ug/Kg	106		6		70 (65)	130 (110)	30 (20)
Acetophenone	1800	0	1800	ug/Kg	100		6		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1800	0	2000	ug/Kg	111		5		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1800	0	1900	ug/Kg	106		6		70 (59)	130 (119)	30 (20)
Hexachloroethane	1800	0	1800	ug/Kg	100		6		20 (65)	160 (117)	30 (20)
Nitrobenzene	1800	0	1800	ug/Kg	100		6		70 (70)	130 (119)	30 (20)
Isophorone	1800	0	1900	ug/Kg	106		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1800	0	1800	ug/Kg	100		6		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1800	0	2700	ug/Kg	150	*	4		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100		6		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1800	0	1900	ug/Kg	106		6		70 (72)	130 (118)	30 (20)
Naphthalene	1800	0	1700	ug/Kg	94		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1800	0	450	ug/Kg	25	*	8		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1800	0	1800	ug/Kg	100		6		70 (66)	130 (114)	30 (20)
Caprolactam	1800	0	1800	ug/Kg	100		6		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1800	0	1900	ug/Kg	106		6		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1800	0	1600	ug/Kg	89		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3700	0	6800	ug/Kg	184	*	4		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1800	0	1800	ug/Kg	100		0		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1800	0	1900	ug/Kg	106		6		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1800	0	1800	ug/Kg	100		6		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1800	0	1800	ug/Kg	100		6		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1800	0	1900	ug/Kg	106		6		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1800	0	1800	ug/Kg	100		6		70 (70)	130 (113)	30 (20)
Acenaphthylene	1800	0	1900	ug/Kg	106		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1800	0	1900	ug/Kg	106		6		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1800	0	510	ug/Kg	28	*	0		70 (30)	130 (99)	30 (20)
Acenaphthene	1800	0	1800	ug/Kg	100		6		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	3700	0	3200	ug/Kg	86		2		20 (10)	160 (155)	30 (20)
4-Nitrophenol	3700	0	4100	ug/Kg	111		6		20 (45)	160 (133)	30 (20)
Dibenzofuran	1800	0	1700	ug/Kg	94		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1800	0	2000	ug/Kg	111		5		70 (55)	130 (128)	30 (20)
Diethylphthalate	1800	0	1800	ug/Kg	100		6		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1800	0	1900	ug/Kg	106		6		70 (71)	130 (108)	30 (20)
Fluorene	1800	0	1800	ug/Kg	100		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1800	0	1700	ug/Kg	94		5		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1800	0	1800	ug/Kg	100		6		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1800	0	1800	ug/Kg	100		0		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1800	0	1800	ug/Kg	100		6		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1800	0	1800	ug/Kg	100		0		70 (67)	130 (118)	30 (20)
Atrazine	1800	0	2600	ug/Kg	144	*	4		70 (79)	130 (127)	30 (20)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3700	0	3700	ug/Kg	100		3		20 (47)	160 (128)	30 (20)
Phenanthrene	1800	0	1800	ug/Kg	100		0		70 (52)	130 (128)	30 (20)
Anthracene	1800	0	1900	ug/Kg	106		6		70 (62)	130 (124)	30 (20)
Carbazole	1800	0	1900	ug/Kg	106		6		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1800	0	1800	ug/Kg	100		6		70 (69)	130 (118)	30 (20)
Fluoranthene	1800	0	1900	ug/Kg	106		6		70 (44)	130 (125)	30 (20)
Pyrene	1800	0	1800	ug/Kg	100		6		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1800	0	1700	ug/Kg	94		5		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1800	0	580	ug/Kg	32	*	3		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1800	81.9	1900	ug/Kg	101		6		70 (71)	130 (114)	30 (20)
Chrysene	1800	160	1900	ug/Kg	97		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1800	0	1700	ug/Kg	94		0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1800	0	1700	ug/Kg	94		5		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1800	160	1900	ug/Kg	97		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1800	160	2000	ug/Kg	102		5		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1800	0	2000	ug/Kg	111		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1800	0	1900	ug/Kg	106		6		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1800	0	1900	ug/Kg	106		6		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1800	0	1800	ug/Kg	100		6		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1800	0	1800	ug/Kg	100		6		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1800	0	1600	ug/Kg	89		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1800	0	1800	ug/Kg	100		6		70 (69)	130 (112)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BM049861.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB167521BS	Benzaldehyde	50	35.7	ug/L	71				20 (10)	160 (162)	
	Phenol	50	42.1	ug/L	84				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	41.4	ug/L	83				70 (62)	130 (103)	
	2-Chlorophenol	50	41.6	ug/L	83				70 (70)	130 (117)	
	2-Methylphenol	50	44.0	ug/L	88				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	43.2	ug/L	86				70 (65)	130 (100)	
	Acetophenone	50	41.0	ug/L	82				70 (60)	130 (104)	
	3+4-Methylphenols	50	43.6	ug/L	87				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	42.8	ug/L	86				70 (57)	130 (107)	
	Hexachloroethane	50	41.0	ug/L	82				20 (76)	160 (118)	
	Nitrobenzene	50	40.6	ug/L	81				70 (58)	130 (106)	
	Isophorone	50	43.6	ug/L	87				70 (61)	130 (102)	
	2-Nitrophenol	50	40.0	ug/L	80				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	60.6	ug/L	121				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	41.6	ug/L	83				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	41.7	ug/L	83				70 (66)	130 (115)	
	Naphthalene	50	39.4	ug/L	79				70 (64)	130 (107)	
	4-Chloroaniline	50	21.2	ug/L	42		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	41.2	ug/L	82				70 (69)	130 (101)	
	Caprolactam	50	39.5	ug/L	79				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	41.8	ug/L	84				70 (65)	130 (114)	
	2-Methylnaphthalene	50	36.8	ug/L	74				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	180	ug/L	180		*		20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	43.1	ug/L	86				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	43.2	ug/L	86				70 (70)	130 (106)	
	1,1-Biphenyl	50	41.6	ug/L	83				70 (72)	130 (98)	
	2-Chloronaphthalene	50	42.2	ug/L	84				70 (59)	130 (106)	
	2-Nitroaniline	50	43.8	ug/L	88				70 (73)	130 (114)	
	Dimethylphthalate	50	42.1	ug/L	84				70 (64)	130 (103)	
	Acenaphthylene	50	45.7	ug/L	91				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	43.4	ug/L	87				70 (64)	130 (110)	
	3-Nitroaniline	50	22.2	ug/L	44		*		70 (28)	130 (100)	
	Acenaphthene	50	41.7	ug/L	83				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	80.2	ug/L	80				20 (36)	160 (166)	
	4-Nitrophenol	100	92.4	ug/L	92				20 (45)	160 (147)	
	Dibenzofuran	50	40.7	ug/L	81				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	45.8	ug/L	92				70 (60)	130 (115)	
	Diethylphthalate	50	41.2	ug/L	82				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	43.1	ug/L	86				70 (61)	130 (104)	
	Fluorene	50	42.7	ug/L	85				70 (64)	130 (107)	
	4-Nitroaniline	50	41.6	ug/L	83				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	43.6	ug/L	87				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	44.3	ug/L	89				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	43.4	ug/L	87				70 (73)	130 (103)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BM049861.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB167521BS	Hexachlorobenzene	50	43.8	ug/L	88				70 (73)	130 (106)	
	Atrazine	50	62.2	ug/L	124				70 (76)	130 (120)	
	Pentachlorophenol	100	87.0	ug/L	87				20 (47)	160 (114)	
	Phenanthrene	50	43.8	ug/L	88				70 (62)	130 (109)	
	Anthracene	50	45.4	ug/L	91				70 (65)	130 (110)	
	Carbazole	50	43.7	ug/L	87				70 (62)	130 (106)	
	Di-n-butylphthalate	50	41.8	ug/L	84				70 (64)	130 (106)	
	Fluoranthene	50	42.1	ug/L	84				70 (64)	130 (110)	
	Pyrene	50	43.8	ug/L	88				70 (71)	130 (103)	
	Butylbenzylphthalate	50	42.3	ug/L	85				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	23.5	ug/L	47		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	44.0	ug/L	88				70 (62)	130 (107)	
	Chrysene	50	43.1	ug/L	86				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	41.7	ug/L	83				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	40.0	ug/L	80				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	41.9	ug/L	84				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	44.5	ug/L	89				70 (77)	130 (105)	
	Benzo(a)pyrene	50	46.4	ug/L	93				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	44.5	ug/L	89				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	44.0	ug/L	88				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	42.3	ug/L	85				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	42.4	ug/L	85				70 (72)	130 (101)	
	1,4-Dioxane	50	32.1	ug/L	64				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	42.1	ug/L	84				70 (63)	130 (116)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: 8270E DataFile: BM049862.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB167521BSD	Benzaldehyde	50	37.4	ug/L	75	5			20 (10)	160 (162)	20 (20)
	Phenol	50	44.7	ug/L	89	6			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	43.9	ug/L	88	6			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	44.4	ug/L	89	7			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	46.6	ug/L	93	6			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	45.5	ug/L	91	5			70 (65)	130 (100)	20 (20)
	Acetophenone	50	43.3	ug/L	87	5			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	45.7	ug/L	91	5			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	44.1	ug/L	88	3			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	43.4	ug/L	87	6			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	43.6	ug/L	87	7			70 (58)	130 (106)	20 (20)
	Isophorone	50	46.7	ug/L	93	7			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	43.4	ug/L	87	8			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	63.9	ug/L	128	5			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	44.3	ug/L	89	6			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	44.3	ug/L	89	6			70 (66)	130 (115)	20 (20)
	Naphthalene	50	42.1	ug/L	84	7			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	25.5	ug/L	51	18	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	44.3	ug/L	89	7			70 (69)	130 (101)	20 (20)
	Caprolactam	50	42.2	ug/L	84	7			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	43.7	ug/L	87	4			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	39.1	ug/L	78	6			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	190	ug/L	190	5	*		20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	44.4	ug/L	89	3			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	45.0	ug/L	90	4			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	43.1	ug/L	86	4			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	43.6	ug/L	87	3			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	45.9	ug/L	92	5			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	43.8	ug/L	88	4			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	47.0	ug/L	94	3			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	45.4	ug/L	91	5			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	26.5	ug/L	53	18	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	42.9	ug/L	86	3			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	84.7	ug/L	85	5			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	99.6	ug/L	100	7			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	41.8	ug/L	84	3			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	48.1	ug/L	96	5			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	42.9	ug/L	86	4			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	44.7	ug/L	89	4			70 (61)	130 (104)	20 (20)
	Fluorene	50	44.5	ug/L	89	4			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	44.6	ug/L	89	7			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	45.4	ug/L	91	4			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	45.8	ug/L	92	3			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	44.9	ug/L	90	3			70 (73)	130 (103)	20 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BM049862.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		
								Qual	Low	High	RPD
PB167521BSD	Hexachlorobenzene	50	45.6	ug/L	91	4			70 (73)	130 (106)	20 (20)
	Atrazine	50	66.0	ug/L	132	6	*		70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	92.0	ug/L	92	6			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	45.9	ug/L	92	5			70 (62)	130 (109)	20 (20)
	Anthracene	50	47.6	ug/L	95	5			70 (65)	130 (110)	20 (20)
	Carbazole	50	46.1	ug/L	92	5			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	44.1	ug/L	88	5			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	45.0	ug/L	90	7			70 (64)	130 (110)	20 (20)
	Pyrene	50	45.9	ug/L	92	5			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	44.3	ug/L	89	5			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	25.9	ug/L	52	10	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	46.5	ug/L	93	6			70 (62)	130 (107)	20 (20)
	Chrysene	50	45.1	ug/L	90	5			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	44.1	ug/L	88	6			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	42.3	ug/L	85	6			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	45.0	ug/L	90	7			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	47.2	ug/L	94	6			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	49.1	ug/L	98	6			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	46.9	ug/L	94	5			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	46.2	ug/L	92	5			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	44.3	ug/L	89	5			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	44.4	ug/L	89	5			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	35.7	ug/L	71	11			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	43.7	ug/L	87	4			70 (63)	130 (116)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: 8270E DataFile: BM049947.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB167509BS	Benzaldehyde	1700	1100	ug/Kg	65				20 (10)	160 (133)	
	Phenol	1700	1500	ug/Kg	88				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	2-Chlorophenol	1700	1500	ug/Kg	88				70 (65)	130 (112)	
	2-Methylphenol	1700	1600	ug/Kg	94				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				70 (51)	130 (100)	
	Acetophenone	1700	1500	ug/Kg	88				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1600	ug/Kg	94				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				70 (63)	130 (95)	
	Hexachloroethane	1700	1500	ug/Kg	88				20 (72)	160 (108)	
	Nitrobenzene	1700	1500	ug/Kg	88				70 (57)	130 (101)	
	Isophorone	1700	1600	ug/Kg	94				70 (59)	130 (99)	
	2-Nitrophenol	1700	1500	ug/Kg	88				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	2200	ug/Kg	129				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	820	ug/Kg	48		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				70 (53)	130 (98)	
	Caprolactam	1700	1500	ug/Kg	88				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	5400	ug/Kg	164		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Acenaphthylene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				70 (61)	130 (104)	
	3-Nitroaniline	1700	1100	ug/Kg	65		*		70 (28)	130 (100)	
	Acenaphthene	1700	1500	ug/Kg	88				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	2900	ug/Kg	88				20 (37)	160 (128)	
	4-Nitrophenol	3300	3200	ug/Kg	97				20 (48)	160 (119)	
	Dibenzofuran	1700	1500	ug/Kg	88				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				70 (60)	130 (106)	
	Diethylphthalate	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				70 (58)	130 (98)	
	Fluorene	1700	1500	ug/Kg	88				70 (61)	130 (101)	
	4-Nitroaniline	1700	1600	ug/Kg	94				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				70 (66)	130 (102)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BM049947.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB167509BS	Hexachlorobenzene	1700	1600	ug/Kg	94				70 (64)	130 (98)	
	Atrazine	1700	2200	ug/Kg	129				70 (47)	130 (152)	
	Pentachlorophenol	3300	3100	ug/Kg	94				20 (67)	160 (105)	
	Phenanthrene	1700	1600	ug/Kg	94				70 (59)	130 (103)	
	Anthracene	1700	1700	ug/Kg	100				70 (61)	130 (105)	
	Carbazole	1700	1600	ug/Kg	94				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				70 (58)	130 (104)	
	Fluoranthene	1700	1600	ug/Kg	94				70 (57)	130 (107)	
	Pyrene	1700	1600	ug/Kg	94				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				70 (60)	130 (102)	
	Chrysene	1700	1600	ug/Kg	94				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				70 (53)	130 (101)	
	1,4-Dioxane	1700	1200	ug/Kg	71				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (108)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167509BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1746

SAS No.: Q1746 SDG NO.: Q1746

Lab File ID: BM049877.D

Lab Sample ID: PB167509BL

Instrument ID: BNA_M

Date Extracted: 04/08/2025

Matrix: (soil/water) SOIL

Date Analyzed: 04/10/2025

Level: (low/med) LOW

Time Analyzed: 10:11

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167509BS	PB167509BS	BM049947.D	04/16/2025
B-149-SB01	Q1746-01	BP024240.D	04/09/2025
B-158-SB01MS	Q1744-01MS	BM049865.D	04/09/2025
B-158-SB01MSD	Q1744-01MSD	BM049866.D	04/09/2025
B-149-SB02	Q1746-03	BM049868.D	04/09/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167521BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1746

SAS No.: Q1746 SDG NO.: Q1746

Lab File ID: BM049860.D

Lab Sample ID: PB167521BL

Instrument ID: BNA_M

Date Extracted: 04/08/2025

Matrix: (soil/water) Water

Date Analyzed: 04/09/2025

Level: (low/med) LOW

Time Analyzed: 09:48

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167521BS	PB167521BS	BM049861.D	04/09/2025
PB167521BSD	PB167521BSD	BM049862.D	04/09/2025
B-158-GW01	Q1746-05	BP024252.D	04/10/2025
B-149-GW01	Q1746-06	BP024253.D	04/10/2025
EB-2025-4-7	Q1746-07	BP024239.D	04/09/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q1746 SDG NO.: Q1746

Lab File ID: BM049847.D

DFTPP Injection Date: 04/08/2025

Instrument ID: BNA_M

DFTPP Injection Time: 12:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.1
68	Less than 2.0% of mass 69	0.3 (1.2) 1
69	Mass 69 relative abundance	26.5
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	34.9
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	7
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	12.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.3 (18.8) 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	BM049848.D	04/08/2025	13:35
SSTDICC005	SSTDICC005	BM049849.D	04/08/2025	14:14
SSTDICC010	SSTDICC010	BM049850.D	04/08/2025	14:53
SSTDICC020	SSTDICC020	BM049851.D	04/08/2025	15:32
SSTDICCC040	SSTDICCC040	BM049852.D	04/08/2025	16:12
SSTDICC050	SSTDICC050	BM049853.D	04/08/2025	17:30
SSTDICC060	SSTDICC060	BM049854.D	04/08/2025	19:28
SSTDICC080	SSTDICC080	BM049855.D	04/08/2025	20:07

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q1746 SDG NO.: Q1746

Lab File ID: BM049858.D

DFTPP Injection Date: 04/09/2025

Instrument ID: BNA_M

DFTPP Injection Time: 08:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.8
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	28.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	35.4
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	7.1
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	11.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	13.8 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM049859.D	04/09/2025	09:09
PB167521BL	PB167521BL	BM049860.D	04/09/2025	09:48
PB167521BS	PB167521BS	BM049861.D	04/09/2025	10:27
PB167521BSD	PB167521BSD	BM049862.D	04/09/2025	11:06
B-158-SB01MS	Q1744-01MS	BM049865.D	04/09/2025	13:08
B-158-SB01MSD	Q1744-01MSD	BM049866.D	04/09/2025	13:47
B-149-SB02	Q1746-03	BM049868.D	04/09/2025	15:05

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q1746 SDG NO.: Q1746

Lab File ID: BM049875.D

DFTPP Injection Date: 04/10/2025

Instrument ID: BNA_M

DFTPP Injection Time: 08:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.6
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	25.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	33.2
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	6.8
275	10.0 - 60.0% of mass 198	25.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	11.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15 (19.7) 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	BM049876.D	04/10/2025	09:32
PB167509BL	PB167509BL	BM049877.D	04/10/2025	10:11

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q1746 SDG NO.: Q1746

Lab File ID: BM049943.D

DFTPP Injection Date: 04/16/2025

Instrument ID: BNA_M

DFTPP Injection Time: 08:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	27.6
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	34.9
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	26.1
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	11.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.6 (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
SSTDCCC040	SSTDCCC040	BM049944.D	04/16/2025	09:28
PB167509BS	PB167509BS	BM049947.D	04/16/2025	11:26

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q1746 SDG NO.: Q1746

Lab File ID: BP024159.D

DFTPP Injection Date: 03/12/2025

Instrument ID: BNA_P

DFTPP Injection Time: 15:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.5
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	33.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.1
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	6.8
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.4 (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
SSTDICC2.5	SSTDICC2.5	BP024160.D	03/12/2025	16:17
SSTDICC005	SSTDICC005	BP024161.D	03/12/2025	16:57
SSTDICC010	SSTDICC010	BP024162.D	03/12/2025	17:38
SSTDICC020	SSTDICC020	BP024163.D	03/12/2025	18:19
SSTDICCC040	SSTDICCC040	BP024164.D	03/12/2025	19:00
SSTDICC050	SSTDICC050	BP024165.D	03/12/2025	19:41
SSTDICC060	SSTDICC060	BP024166.D	03/12/2025	20:21
SSTDICC080	SSTDICC080	BP024167.D	03/12/2025	21:02

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q1746

SDG NO.: Q1746

Lab File ID: BP024227.D

DFTPP Injection Date: 04/09/2025

Instrument ID: BNA_P

DFTPP Injection Time: 08:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.2
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	34.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.7
197	Less than 2.0% of mass 198	0.5
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	28.9
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.3 (19.7) 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	BP024228.D	04/09/2025	10:08
EB-2025-4-7	Q1746-07	BP024239.D	04/09/2025	17:41
B-149-SB01	Q1746-01	BP024240.D	04/09/2025	18:22

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q1746 SDG NO.: Q1746

Lab File ID: BP024244.D

DFTPP Injection Date: 04/10/2025

Instrument ID: BNA_P

DFTPP Injection Time: 09:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.8
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	28.5
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (19.7) 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	BP024245.D	04/10/2025	09:46
B-158-GW01	Q1746-05	BP024252.D	04/10/2025	14:36
B-149-GW01	Q1746-06	BP024253.D	04/10/2025	15:17

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/09/2025

Lab File ID: BM049859.D Time Analyzed: 09:09

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	296698	7.775	1015270	10.57	639621	14.42
UPPER LIMIT	593396	8.275	2030540	11.069	1279240	14.922
LOWER LIMIT	148349	7.275	507635	10.069	319811	13.922
EPA SAMPLE NO.						
01 B-158-SB01MS	298114	7.78	1050150	10.57	691142	14.42
02 B-158-SB01MSD	285351	7.78	1005760	10.57	663787	14.42
03 B-149-SB02	322464	7.78	1148080	10.58	770952	14.42
04 PB167521BL	332281	7.78	1132680	10.57	701970	14.42
05 PB167521BS	336910	7.78	1172190	10.57	730256	14.42
06 PB167521BSD	335066	7.78	1150030	10.57	735598	14.42

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/09/2025

Lab File ID: BM049859.D Time Analyzed: 09:09

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	1259630	17.163	1253560	21.398	1316820	24.397
UPPER LIMIT	2519260	17.663	2507120	21.898	2633640	24.897
LOWER LIMIT	629815	16.663	626780	20.898	658410	23.897
EPA SAMPLE NO.						
01 B-158-SB01MS	1385050	17.16	1462180	21.40	1514540	24.39
02 B-158-SB01MSD	1342340	17.16	1401870	21.40	1461450	24.39
03 B-149-SB02	1525450	17.16	1431870	21.40	1579360	24.40
04 PB167521BL	1345530	17.16	1270010	21.40	1381060	24.39
05 PB167521BS	1422910	17.16	1400190	21.40	1421400	24.39
06 PB167521BSD	1446570	17.16	1438520	21.40	1424300	24.39

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/10/2025

Lab File ID: BM049876.D Time Analyzed: 09:32

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	319220	7.781	1042650	10.57	653251	14.42
UPPER LIMIT	638440	8.281	2085300	11.074	1306500	14.921
LOWER LIMIT	159610	7.281	521325	10.074	326626	13.921
EPA SAMPLE NO.						
01 PB167509BL	304918	7.78	1031960	10.57	649646	14.42

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/10/2025

Lab File ID: BM049876.D Time Analyzed: 09:32

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	1279700	17.162	1240970	21.397	1368350	24.397
UPPER LIMIT	2559400	17.662	2481940	21.897	2736700	24.897
LOWER LIMIT	639850	16.662	620485	20.897	684175	23.897
EPA SAMPLE NO.						
01 PB167509BL	1225290	17.16	1173500	21.40	1306480	24.40

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/16/2025

Lab File ID: BM049944.D Time Analyzed: 09:28

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	390253	7.769	1356600	10.56	881748	14.42
UPPER LIMIT	780506	8.269	2713200	11.063	1763500	14.916
LOWER LIMIT	195127	7.269	678300	10.063	440874	13.916
EPA SAMPLE NO.						
01 PB167509BS	335569	7.77	1154160	10.56	723173	14.42

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/16/2025

Lab File ID: BM049944.D Time Analyzed: 09:28

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	1791610	17.163	1770470	21.403	1819920	24.409
UPPER LIMIT	3583220	17.663	3540940	21.903	3639840	24.909
LOWER LIMIT	895805	16.663	885235	20.903	909960	23.909
EPA SAMPLE NO.						
01 PB167509BS	1408530	17.16	1396790	21.40	1468800	24.40

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/09/2025

Lab File ID: BP024228.D Time Analyzed: 10:08

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	293576	7.769	1173450	10.55	712048	14.40
UPPER LIMIT	587152	8.269	2346900	11.052	1424100	14.904
LOWER LIMIT	146788	7.269	586725	10.052	356024	13.904
EPA SAMPLE NO.						
01 B-149-SB01	273538	7.74	1106820	10.52	675246	14.38
02 EB-2025-4-7	235704	7.74	911036	10.52	559100	14.38

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/09/2025

Lab File ID: BP024228.D Time Analyzed: 10:08

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1380060	17.222	1470280	21.651	1654290	25.033
UPPER LIMIT	2760120	17.722	2940560	22.151	3308580	25.533
LOWER LIMIT	690030	16.722	735140	21.151	827145	24.533
EPA SAMPLE NO.						
01 B-149-SB01	1352000	17.18	1469550	21.62	1665460	24.99
02 EB-2025-4-7	1174140	17.18	1378630	21.62	1470680	24.99

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/10/2025

Lab File ID: BP024245.D Time Analyzed: 09:46

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	322953	7.746	1317780	10.53	792808	14.39
UPPER LIMIT	645906	8.246	2635560	11.028	1585620	14.892
LOWER LIMIT	161477	7.246	658890	10.028	396404	13.892
EPA SAMPLE NO.						
01 B-158-GW01	262571	7.74	1031590	10.52	601225	14.37
02 B-149-GW01	262973	7.74	1043720	10.52	640452	14.38

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/10/2025

Lab File ID: BP024245.D Time Analyzed: 09:46

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1512090	17.192	1553360	21.645	1762600	25.009
UPPER LIMIT	3024180	17.692	3106720	22.145	3525200	25.509
LOWER LIMIT	756045	16.692	776680	21.145	881300	24.509
EPA SAMPLE NO.						
01 B-158-GW01	1138230	17.18	1210780	21.62	1465710	24.97
02 B-149-GW01	1285270	17.18	1386090	21.62	1576980	24.99

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167509BL	SDG No.:	Q1746
Lab Sample ID:	PB167509BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049877.D	1	04/08/25 08:59	04/10/25 10:11	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.1	U	58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.7	U	64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.0	U	52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167509BL	SDG No.:	Q1746
Lab Sample ID:	PB167509BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049877.D	1	04/08/25 08:59	04/10/25 10:11	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.0	U	50.0	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.1	U	64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.2	U	51.2	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.3	U	71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.1	U	59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.7	U	86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167509BL	SDG No.:	Q1746
Lab Sample ID:	PB167509BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049877.D	1	04/08/25 08:59	04/10/25 10:11	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	138		30 (18) - 130 (112)	92%	SPK: 150
13127-88-3	Phenol-d6	134		30 (15) - 130 (107)	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.5		30 (18) - 130 (107)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.3		30 (20) - 130 (109)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		30 (10) - 130 (116)	97%	SPK: 150
1718-51-0	Terphenyl-d14	112		30 (10) - 130 (105)	112%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	305000	7.775
1146-65-2	Naphthalene-d8	1030000	10.569
15067-26-2	Acenaphthene-d10	650000	14.421
1517-22-2	Phenanthrene-d10	1230000	17.162
1719-03-5	Chrysene-d12	1170000	21.397
1520-96-3	Perylene-d12	1310000	24.397

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	350	A	4.89	ug/Kg
000057-10-3	n-Hexadecanoic acid	110	J	18.1	ug/Kg
000057-11-4	Octadecanoic acid	81.3	J	19.3	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167509BL	SDG No.:	Q1746
Lab Sample ID:	PB167509BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049877.D	1	04/08/25 08:59	04/10/25 10:11	PB167509

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167521BL	SDG No.:	Q1746
Lab Sample ID:	PB167521BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049860.D	1	04/08/25 11:55	04/09/25 09:48	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167521BL	SDG No.:	Q1746
Lab Sample ID:	PB167521BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049860.D	1	04/08/25 11:55	04/09/25 09:48	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167521BL	SDG No.:	Q1746
Lab Sample ID:	PB167521BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049860.D	1	04/08/25 11:55	04/09/25 09:48	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	128		15 (10) - 110 (139)	86%	SPK: 150
13127-88-3	Phenol-d6	125		15 (10) - 110 (134)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.3		30 (49) - 130 (133)	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.2		30 (52) - 130 (132)	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		15 (44) - 110 (137)	91%	SPK: 150
1718-51-0	Terphenyl-d14	108		30 (48) - 130 (125)	108%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	332000	7.775			
1146-65-2	Naphthalene-d8	1130000	10.569			
15067-26-2	Acenaphthene-d10	702000	14.416			
1517-22-2	Phenanthrene-d10	1350000	17.162			
1719-03-5	Chrysene-d12	1270000	21.397			
1520-96-3	Perylene-d12	1380000	24.391			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.20	A		4.89	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167521BL	SDG No.:	Q1746
Lab Sample ID:	PB167521BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049860.D	1	04/08/25 11:55	04/09/25 09:48	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167509BS	SDG No.:	Q1746
Lab Sample ID:	PB167509BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049947.D	1	04/08/25 08:59	04/16/25 11:26	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		160	330	ug/Kg
108-95-2	Phenol	1500		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1500		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1600		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1600		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2200		64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		28.3	170	ug/Kg
91-20-3	Naphthalene	1400		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	820		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1500		52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5400	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167509BS	SDG No.:	Q1746
Lab Sample ID:	PB167509BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049947.D	1	04/08/25 08:59	04/16/25 11:26	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1100		46.0	170	ug/Kg
83-32-9	Acenaphthene	1500		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2900	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		50.1	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		26.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1600		64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		25.3	170	ug/Kg
1912-24-9	Atrazine	2200		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3100	E	51.3	330	ug/Kg
85-01-8	Phenanthrene	1600		20.9	170	ug/Kg
120-12-7	Anthracene	1700		33.3	170	ug/Kg
86-74-8	Carbazole	1600		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		47.9	170	ug/Kg
206-44-0	Fluoranthene	1600		30.0	170	ug/Kg
129-00-0	Pyrene	1600		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		23.0	170	ug/Kg
218-01-9	Chrysene	1600		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167509BS	SDG No.:	Q1746
Lab Sample ID:	PB167509BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049947.D	1	04/08/25 08:59	04/16/25 11:26	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1200		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	127		30 (18) - 130 (112)	85%	SPK: 150
13127-88-3	Phenol-d6	126		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.2		30 (18) - 130 (107)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.2		30 (20) - 130 (109)	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		30 (10) - 130 (116)	97%	SPK: 150
1718-51-0	Terphenyl-d14	101		30 (10) - 130 (105)	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	336000	7.769			
1146-65-2	Naphthalene-d8	1150000	10.563			
15067-26-2	Acenaphthene-d10	723000	14.416			
1517-22-2	Phenanthrene-d10	1410000	17.157			
1719-03-5	Chrysene-d12	1400000	21.404			
1520-96-3	Perylene-d12	1470000	24.403			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167521BS	SDG No.:	Q1746
Lab Sample ID:	PB167521BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049861.D	1	04/08/25 11:55	04/09/25 10:27	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	35.7		3.90	10.0	ug/L
108-95-2	Phenol	42.1		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.4		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	41.6		0.58	5.00	ug/L
95-48-7	2-Methylphenol	44.0		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.2		1.30	5.00	ug/L
98-86-2	Acetophenone	41.0		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	43.6		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.8		1.40	2.50	ug/L
67-72-1	Hexachloroethane	41.0		0.65	5.00	ug/L
98-95-3	Nitrobenzene	40.6		0.76	5.00	ug/L
78-59-1	Isophorone	43.6		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	40.0		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	60.6		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.6		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	41.7		0.52	5.00	ug/L
91-20-3	Naphthalene	39.4		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	21.2		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.2		0.54	5.00	ug/L
105-60-2	Caprolactam	39.5		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	41.8		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	36.8		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	180	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	43.1		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	43.2		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	41.6		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.2		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	43.8		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	42.1		0.61	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167521BS	SDG No.:	Q1746
Lab Sample ID:	PB167521BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049861.D	1	04/08/25 11:55	04/09/25 10:27	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	45.7		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.4		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	22.2		1.10	5.00	ug/L
83-32-9	Acenaphthene	41.7		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	80.2	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	92.4	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	40.7		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.8		1.20	5.00	ug/L
84-66-2	Diethylphthalate	41.2		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.1		0.68	5.00	ug/L
86-73-7	Fluorene	42.7		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	41.6		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	43.6		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	44.3		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	43.4		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	43.8		0.52	5.00	ug/L
1912-24-9	Atrazine	62.2		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	87.0	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	43.8		0.50	5.00	ug/L
120-12-7	Anthracene	45.4		0.61	5.00	ug/L
86-74-8	Carbazole	43.7		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	41.8		1.20	5.00	ug/L
206-44-0	Fluoranthene	42.1		0.82	5.00	ug/L
129-00-0	Pyrene	43.8		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	42.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	23.5		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	44.0		0.45	5.00	ug/L
218-01-9	Chrysene	43.1		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	41.7		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	40.0		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	41.9		0.49	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167521BS	SDG No.:	Q1746
Lab Sample ID:	PB167521BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049861.D	1	04/08/25 11:55	04/09/25 10:27	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	44.5		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.4		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	44.5		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	44.0		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.3		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.4		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	32.1		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42.1		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	119		15 (10) - 110 (139)	79%	SPK: 150
13127-88-3	Phenol-d6	118		15 (10) - 110 (134)	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.5		30 (49) - 130 (133)	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.6		30 (52) - 130 (132)	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		15 (44) - 110 (137)	87%	SPK: 150
1718-51-0	Terphenyl-d14	94.4		30 (48) - 130 (125)	94%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	337000	7.775			
1146-65-2	Naphthalene-d8	1170000	10.569			
15067-26-2	Acenaphthene-d10	730000	14.421			
1517-22-2	Phenanthrene-d10	1420000	17.162			
1719-03-5	Chrysene-d12	1400000	21.397			
1520-96-3	Perylene-d12	1420000	24.391			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167521BSD	SDG No.:	Q1746
Lab Sample ID:	PB167521BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049862.D	1	04/08/25 11:55	04/09/25 11:06	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	37.4		3.90	10.0	ug/L
108-95-2	Phenol	44.7		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.9		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	44.4		0.58	5.00	ug/L
95-48-7	2-Methylphenol	46.6		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.5		1.30	5.00	ug/L
98-86-2	Acetophenone	43.3		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	45.7		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	44.1		1.40	2.50	ug/L
67-72-1	Hexachloroethane	43.4		0.65	5.00	ug/L
98-95-3	Nitrobenzene	43.6		0.76	5.00	ug/L
78-59-1	Isophorone	46.7		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	43.4		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	63.9		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.3		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	44.3		0.52	5.00	ug/L
91-20-3	Naphthalene	42.1		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	25.5		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.3		0.54	5.00	ug/L
105-60-2	Caprolactam	42.2		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	43.7		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	39.1		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	190	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	44.4		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.0		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	43.1		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	43.6		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	45.9		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	43.8		0.61	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167521BSD	SDG No.:	Q1746
Lab Sample ID:	PB167521BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049862.D	1	04/08/25 11:55	04/09/25 11:06	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	47.0		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.4		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	26.5		1.10	5.00	ug/L
83-32-9	Acenaphthene	42.9		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	84.7	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	99.6	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	41.8		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	48.1		1.20	5.00	ug/L
84-66-2	Diethylphthalate	42.9		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.7		0.68	5.00	ug/L
86-73-7	Fluorene	44.5		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	44.6		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	45.4		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	45.8		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.9		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	45.6		0.52	5.00	ug/L
1912-24-9	Atrazine	66.0		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	92.0	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	45.9		0.50	5.00	ug/L
120-12-7	Anthracene	47.6		0.61	5.00	ug/L
86-74-8	Carbazole	46.1		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	44.1		1.20	5.00	ug/L
206-44-0	Fluoranthene	45.0		0.82	5.00	ug/L
129-00-0	Pyrene	45.9		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	44.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	25.9		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.5		0.45	5.00	ug/L
218-01-9	Chrysene	45.1		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.1		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	42.3		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	45.0		0.49	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167521BSD	SDG No.:	Q1746
Lab Sample ID:	PB167521BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049862.D	1	04/08/25 11:55	04/09/25 11:06	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	47.2		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	49.1		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.9		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.2		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.3		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.4		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	35.7		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.7		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	125		15 (10) - 110 (139)	83%	SPK: 150
13127-88-3	Phenol-d6	122		15 (10) - 110 (134)	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.5		30 (49) - 130 (133)	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.4		30 (52) - 130 (132)	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		15 (44) - 110 (137)	91%	SPK: 150
1718-51-0	Terphenyl-d14	98.6		30 (48) - 130 (125)	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	335000	7.775			
1146-65-2	Naphthalene-d8	1150000	10.569			
15067-26-2	Acenaphthene-d10	736000	14.415			
1517-22-2	Phenanthrene-d10	1450000	17.162			
1719-03-5	Chrysene-d12	1440000	21.397			
1520-96-3	Perylene-d12	1420000	24.391			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01MS	SDG No.:	Q1746
Lab Sample ID:	Q1744-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049865.D	1	04/08/25 08:59	04/09/25 13:08	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1600		170	370	ug/Kg
108-95-2	Phenol	1900		24.5	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		27.0	190	ug/Kg
95-57-8	2-Chlorophenol	1800		27.1	190	ug/Kg
95-48-7	2-Methylphenol	1900		33.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		41.6	190	ug/Kg
98-86-2	Acetophenone	1700		32.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	1900		45.6	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		52.6	88.8	ug/Kg
67-72-1	Hexachloroethane	1700		19.5	190	ug/Kg
98-95-3	Nitrobenzene	1700		20.3	190	ug/Kg
78-59-1	Isophorone	1900		36.4	190	ug/Kg
88-75-5	2-Nitrophenol	1700		64.6	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2600		71.9	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		34.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		31.4	190	ug/Kg
91-20-3	Naphthalene	1700		25.2	190	ug/Kg
106-47-8	4-Chloroaniline	410		39.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	1700		28.1	190	ug/Kg
105-60-2	Caprolactam	1700		57.8	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		31.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	1600		28.4	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6500	E	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		22.0	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		32.3	190	ug/Kg
92-52-4	1,1-Biphenyl	1700		24.2	190	ug/Kg
91-58-7	2-Chloronaphthalene	1700		25.0	190	ug/Kg
88-74-4	2-Nitroaniline	1800		53.4	190	ug/Kg
131-11-3	Dimethylphthalate	1700		30.1	190	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01MS	SDG No.:	Q1746
Lab Sample ID:	Q1744-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049865.D	1	04/08/25 08:59	04/09/25 13:08	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1900		32.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		37.3	190	ug/Kg
99-09-2	3-Nitroaniline	500		51.0	190	ug/Kg
83-32-9	Acenaphthene	1700		23.6	190	ug/Kg
51-28-5	2,4-Dinitrophenol	3100	E	250	370	ug/Kg
100-02-7	4-Nitrophenol	3900	E	120	370	ug/Kg
132-64-9	Dibenzofuran	1700		25.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		55.6	190	ug/Kg
84-66-2	Diethylphthalate	1700		31.4	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		29.6	190	ug/Kg
86-73-7	Fluorene	1800		28.1	190	ug/Kg
100-01-6	4-Nitroaniline	1600		71.2	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		110	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		36.5	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		30.8	190	ug/Kg
118-74-1	Hexachlorobenzene	1800		28.1	190	ug/Kg
1912-24-9	Atrazine	2500		37.7	190	ug/Kg
87-86-5	Pentachlorophenol	3600	E	56.9	370	ug/Kg
85-01-8	Phenanthrene	1800		23.2	190	ug/Kg
120-12-7	Anthracene	1800		37.0	190	ug/Kg
86-74-8	Carbazole	1800		34.6	190	ug/Kg
84-74-2	Di-n-butylphthalate	1700		53.2	190	ug/Kg
206-44-0	Fluoranthene	1800		33.3	190	ug/Kg
129-00-0	Pyrene	1700		39.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	1600		79.2	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	550		40.7	370	ug/Kg
56-55-3	Benzo(a)anthracene	1800		25.5	190	ug/Kg
218-01-9	Chrysene	1900		22.1	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		65.7	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		96.3	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		21.1	190	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01MS	SDG No.:	Q1746
Lab Sample ID:	Q1744-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049865.D	1	04/08/25 08:59	04/09/25 13:08	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1900		24.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	1900		32.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		32.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		30.4	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		28.5	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		28.4	190	ug/Kg
123-91-1	1,4-Dioxane	1600		50.2	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		30.4	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	123		30 (18) - 130 (112)	82%	SPK: 150
13127-88-3	Phenol-d6	125		30 (15) - 130 (107)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.9		30 (18) - 130 (107)	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.7		30 (20) - 130 (109)	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		30 (10) - 130 (116)	90%	SPK: 150
1718-51-0	Terphenyl-d14	89.4		30 (10) - 130 (105)	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	298000	7.775			
1146-65-2	Naphthalene-d8	1050000	10.569			
15067-26-2	Acenaphthene-d10	691000	14.421			
1517-22-2	Phenanthrene-d10	1390000	17.162			
1719-03-5	Chrysene-d12	1460000	21.398			
1520-96-3	Perylene-d12	1510000	24.391			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01MSD	SDG No.:	Q1746
Lab Sample ID:	Q1744-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049866.D	1	04/08/25 08:59	04/09/25 13:47	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1600		170	370	ug/Kg
108-95-2	Phenol	1900		24.5	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		27.0	190	ug/Kg
95-57-8	2-Chlorophenol	1900		27.1	190	ug/Kg
95-48-7	2-Methylphenol	2000		33.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		41.6	190	ug/Kg
98-86-2	Acetophenone	1800		32.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	2000		45.6	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		52.6	88.7	ug/Kg
67-72-1	Hexachloroethane	1800		19.5	190	ug/Kg
98-95-3	Nitrobenzene	1800		20.3	190	ug/Kg
78-59-1	Isophorone	1900		36.4	190	ug/Kg
88-75-5	2-Nitrophenol	1800		64.6	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2700		71.9	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		34.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		31.4	190	ug/Kg
91-20-3	Naphthalene	1700		25.2	190	ug/Kg
106-47-8	4-Chloroaniline	450		39.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	1800		28.1	190	ug/Kg
105-60-2	Caprolactam	1800		57.8	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		31.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	1600		28.4	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6800	E	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		22.0	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		32.3	190	ug/Kg
92-52-4	1,1-Biphenyl	1800		24.2	190	ug/Kg
91-58-7	2-Chloronaphthalene	1800		25.0	190	ug/Kg
88-74-4	2-Nitroaniline	1900		53.4	190	ug/Kg
131-11-3	Dimethylphthalate	1800		30.1	190	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01MSD	SDG No.:	Q1746
Lab Sample ID:	Q1744-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049866.D	1	04/08/25 08:59	04/09/25 13:47	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1900		32.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		37.3	190	ug/Kg
99-09-2	3-Nitroaniline	510		51.0	190	ug/Kg
83-32-9	Acenaphthene	1800		23.6	190	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	250	370	ug/Kg
100-02-7	4-Nitrophenol	4100	E	120	370	ug/Kg
132-64-9	Dibenzofuran	1700		25.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		55.6	190	ug/Kg
84-66-2	Diethylphthalate	1800		31.4	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1900		29.6	190	ug/Kg
86-73-7	Fluorene	1800		28.1	190	ug/Kg
100-01-6	4-Nitroaniline	1700		71.2	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		110	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		36.5	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		30.8	190	ug/Kg
118-74-1	Hexachlorobenzene	1800		28.1	190	ug/Kg
1912-24-9	Atrazine	2600		37.7	190	ug/Kg
87-86-5	Pentachlorophenol	3700	E	56.9	370	ug/Kg
85-01-8	Phenanthrene	1800		23.2	190	ug/Kg
120-12-7	Anthracene	1900		36.9	190	ug/Kg
86-74-8	Carbazole	1900		34.6	190	ug/Kg
84-74-2	Di-n-butylphthalate	1800		53.1	190	ug/Kg
206-44-0	Fluoranthene	1900		33.3	190	ug/Kg
129-00-0	Pyrene	1800		39.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	1700		79.2	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	580		40.7	370	ug/Kg
56-55-3	Benzo(a)anthracene	1900		25.5	190	ug/Kg
218-01-9	Chrysene	1900		22.1	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		65.7	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		96.3	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		21.1	190	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01MSD	SDG No.:	Q1746
Lab Sample ID:	Q1744-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049866.D	1	04/08/25 08:59	04/09/25 13:47	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2000		24.8	190	ug/Kg
50-32-8	Benzo(a)pyrene	2000		32.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		32.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		30.4	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		28.5	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		28.4	190	ug/Kg
123-91-1	1,4-Dioxane	1600		50.1	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		30.4	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	127		30 (18) - 130 (112)	85%	SPK: 150
13127-88-3	Phenol-d6	130		30 (15) - 130 (107)	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.2		30 (18) - 130 (107)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.2		30 (20) - 130 (109)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		30 (10) - 130 (116)	94%	SPK: 150
1718-51-0	Terphenyl-d14	93.3		30 (10) - 130 (105)	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	285000	7.775			
1146-65-2	Naphthalene-d8	1010000	10.569			
15067-26-2	Acenaphthene-d10	664000	14.421			
1517-22-2	Phenanthrene-d10	1340000	17.162			
1719-03-5	Chrysene-d12	1400000	21.397			
1520-96-3	Perylene-d12	1460000	24.391			

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

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM040825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Apr 09 04:00:55 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BM049848.D 5 =BM049849.D 10 =BM049850.D 20 =BM049851.D 40 =BM049852.D 50 =BM049853.D 60 =BM049854.D 80 =BM049855.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane		0.497	0.470	0.501	0.488	0.486	0.471	0.483	0.485	2.47
3)	Pyridine		1.262	1.220	1.322	1.287	1.276	1.278	1.276	1.274	2.40
4)	n-Nitrosodimet...		0.478	0.461	0.496	0.489	0.484	0.500	0.488	0.485	2.67
5) S	2-Fluorophenol		1.145	1.144	1.213	1.191	1.165	1.210	1.177	1.178	2.40
6)	Aniline		1.304	1.315	1.396	1.325	1.153	1.142	1.154	1.256	8.22
7) S	Phenol-d6		1.391	1.392	1.523	1.491	1.433	1.543	1.485	1.465	4.15
8)	2-Chlorophenol		1.180	1.191	1.250	1.218	1.174	1.239	1.199	1.207	2.42
9)	Benzaldehyde		0.873	0.830	0.838	0.750	0.712	0.701	0.561	0.752	14.25
10) C	Phenol		1.376	1.370	1.482	1.441	1.394	1.496	1.451	1.430	3.56
11)	bis(2-Chloroet...		1.113	1.084	1.147	1.135	1.096	1.160	1.114	1.121	2.45
12)	1,3-Dichlorobe...		1.417	1.391	1.475	1.438	1.418	1.441	1.409	1.427	1.90
13) C	1,4-Dichlorobe...		1.418	1.399	1.488	1.453	1.412	1.455	1.426	1.436	2.15
14)	1,2-Dichlorobe...		1.348	1.325	1.402	1.374	1.324	1.359	1.334	1.352	2.12
15)	Benzyl Alcohol		0.852	0.857	0.950	0.953	0.904	0.993	0.951	0.923	5.79
16)	2,2'-oxybis(1-...		1.268	1.235	1.312	1.267	1.192	1.261	1.214	1.250	3.18
17)	2-Methylphenol		0.858	0.856	0.916	0.891	0.850	0.920	0.877	0.881	3.29
18)	Hexachloroethane		0.505	0.494	0.520	0.504	0.486	0.501	0.488	0.500	2.32
19) P	n-Nitroso-di-n...	0.760	0.786	0.783	0.860	0.836	0.793	0.859	0.816	0.812	4.60
20)	3+4-Methylphenols		1.140	1.142	1.246	1.224	1.170	1.272	1.215	1.201	4.31
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone		0.463	0.477	0.496	0.498	0.482	0.494	0.493	0.486	2.64
23) S	Nitrobenzene-d5		0.335	0.344	0.366	0.368	0.361	0.370	0.371	0.359	3.96
24)	Nitrobenzene		0.329	0.329	0.354	0.356	0.345	0.353	0.354	0.346	3.49
25)	Isophorone		0.569	0.568	0.613	0.616	0.598	0.628	0.620	0.602	4.05
26) C	2-Nitrophenol		0.162	0.165	0.183	0.189	0.190	0.197	0.197	0.183	7.91
27)	2,4-Dimethylph...		0.185	0.194	0.208	0.213	0.212	0.221	0.221	0.208	6.48
28)	bis(2-Chloroet...		0.386	0.386	0.411	0.410	0.399	0.415	0.412	0.403	3.08
29) C	2,4-Dichloroph...		0.319	0.320	0.348	0.353	0.349	0.364	0.364	0.345	5.45
30)	1,2,4-Trichlor...		0.386	0.380	0.401	0.404	0.399	0.412	0.413	0.399	3.11
31)	Naphthalene		1.004	0.990	1.045	1.042	1.019	1.050	1.045	1.028	2.32
32)	Benzoic acid			0.109	0.175	0.230	0.240	0.283	0.283	0.220	30.63
33)	4-Chloroaniline		0.348	0.351	0.376	0.380	0.359	0.359	0.366	0.363	3.34
34) C	Hexachlorobuta...		0.238	0.236	0.245	0.249	0.249	0.255	0.258	0.247	3.33
35)	Caprolactam		0.093	0.089	0.100	0.102	0.099	0.107	0.104	0.099	6.29
36) C	4-Chloro-3-met...		0.277	0.276	0.305	0.309	0.303	0.326	0.321	0.302	6.41
37)	2-Methylnaphth...		0.683	0.685	0.729	0.734	0.721	0.762	0.755	0.724	4.23
38)	1-Methylnaphth...		0.680	0.659	0.711	0.713	0.703	0.739	0.732	0.705	3.97

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM040825.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.664	0.662	0.697	0.706	0.711	0.721	0.737	0.700	4.02	
41) P	Hexachlorocycl...	0.214	0.223	0.247	0.264	0.260	0.258	0.251	0.245	7.86	
42) S	2,4,6-Tribromo...	0.258	0.255	0.280	0.294	0.298	0.323	0.328	0.291	9.94	
43) C	2,4,6-Trichlor...	0.417	0.420	0.444	0.459	0.449	0.459	0.468	0.445	4.46	
44)	2,4,5-Trichlor...	0.465	0.452	0.472	0.500	0.483	0.504	0.510	0.484	4.52	
45) S	2-Fluorobiphenyl	1.425	1.414	1.499	1.515	1.486	1.482	1.504	1.475	2.68	
46)	1,1'-Biphenyl	1.451	1.429	1.514	1.528	1.480	1.490	1.515	1.487	2.45	
47)	2-Chloronaphth...	1.140	1.144	1.188	1.194	1.163	1.162	1.189	1.169	1.88	
48)	2-Nitroaniline	0.232	0.242	0.272	0.283	0.281	0.286	0.295	0.270	8.83	
49)	Acenaphthylene	1.627	1.613	1.718	1.742	1.711	1.735	1.768	1.702	3.46	
50)	Dimethylphthalate	1.366	1.331	1.430	1.438	1.411	1.446	1.455	1.411	3.27	
51)	2,6-Dinitrotol...	0.249	0.265	0.303	0.310	0.305	0.317	0.320	0.296	9.38	
52) C	Acenaphthene	1.027	1.023	1.089	1.113	1.089	1.110	1.127	1.083	3.83	
53)	3-Nitroaniline	0.236	0.253	0.290	0.310	0.295	0.295	0.321	0.286	10.64	
54) P	2,4-Dinitrophenol		0.097	0.148	0.184	0.194	0.212	0.216	0.175	26.04	
55)	Dibenzofuran	1.737	1.709	1.821	1.845	1.815	1.862	1.879	1.810	3.52	
56) P	4-Nitrophenol	0.195	0.213	0.257	0.270	0.273	0.286	0.288	0.255	14.34	
57)	2,4-Dinitrotol...	0.309	0.333	0.395	0.421	0.420	0.440	0.443	0.394	13.45	
58)	Fluorene	1.354	1.335	1.450	1.481	1.456	1.489	1.505	1.439	4.67	
59)	2,3,4,6-Tetrac...	0.418	0.397	0.416	0.427	0.420	0.440	0.452	0.424	4.21	
60)	Diethylphthalate	1.311	1.270	1.378	1.390	1.347	1.378	1.397	1.353	3.46	
61)	4-Chlorophenyl...	0.699	0.694	0.761	0.789	0.791	0.830	0.836	0.771	7.43	
62)	4-Nitroaniline	0.227	0.247	0.301	0.320	0.316	0.327	0.331	0.295	14.02	
63)	Azobenzene	1.077	1.085	1.185	1.202	1.167	1.192	1.200	1.158	4.67	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.094	0.119	0.132	0.133	0.138	0.140	0.126	13.60	
66) c	n-Nitrosodiphe...	0.561	0.578	0.606	0.619	0.602	0.610	0.614	0.599	3.54	
67)	4-Bromophenyl-...	0.212	0.212	0.227	0.239	0.237	0.247	0.252	0.232	6.83	
68)	Hexachlorobenzene	0.249	0.250	0.262	0.273	0.268	0.279	0.284	0.266	5.08	
69)	Atrazine	0.186	0.177	0.142	0.130	0.142			0.155	15.89	
70) C	Pentachlorophenol	0.181	0.186	0.191	0.204	0.197	0.204	0.210	0.196	5.46	
71)	Phenanthrene	1.031	1.030	1.095	1.133	1.104	1.135	1.147	1.096	4.41	
72)	Anthracene	0.997	1.004	1.074	1.125	1.099	1.125	1.140	1.081	5.41	
73)	Carbazole	0.922	0.952	1.024	1.059	1.038	1.060	1.071	1.018	5.69	
74)	Di-n-butylphth...	1.119	1.120	1.189	1.216	1.176	1.191	1.196	1.172	3.22	
75) C	Fluoranthene	1.187	1.206	1.310	1.387	1.395	1.463	1.488	1.348	8.78	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.319	0.260	0.205	0.403	0.163	0.150	0.357	0.265	36.93	
78)	Pyrene	1.310	1.280	1.395	1.408	1.393	1.419	1.443	1.378	4.35	
79) S	Terphenyl-d14	0.988	1.004	1.139	1.187	1.142	1.007	1.004	1.067	7.91	
80)	Butylbenzylpht...	0.502	0.500	0.537	0.536	0.511	0.516	0.523	0.518	2.88	
81)	Benzo(a)anthra...	1.237	1.226	1.335	1.362	1.345	1.391	1.408	1.329	5.38	
82)	3,3'-Dichlorob...	0.428	0.450	0.492	0.526	0.516	0.538	0.565	0.502	9.74	
83)	Chrysene	1.179	1.173	1.261	1.292	1.277	1.318	1.346	1.264	5.21	
84)	Bis(2-ethylhex...	0.758	0.747	0.790	0.783	0.740	0.727	0.737	0.755	3.16	
85) c	Di-n-octyl pht...	1.291	1.287	1.366	1.362	1.307	1.311	1.316	1.320	2.42	

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.375	1.368	1.480	1.507	1.523	1.577	1.606	1.491	6.16
88)	Benzo(b)fluora...	1.141	1.157	1.223	1.308	1.313	1.379	1.420	1.277	8.40
89)	Benzo(k)fluora...	1.132	1.122	1.209	1.242	1.263	1.336	1.362	1.238	7.46
90) C	Benzo(a)pyrene	1.011	1.026	1.096	1.130	1.154	1.209	1.230	1.122	7.50
91)	Dibenzo(a,h)an...	1.128	1.128	1.205	1.244	1.258	1.301	1.331	1.228	6.43
92)	Benzo(g,h,i)pe...	1.178	1.179	1.255	1.265	1.269	1.310	1.328	1.255	4.65

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP031225.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Mar 13 05:55:58 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BP024160.D 5 =BP024161.D 10 =BP024162.D 20 =BP024163.D 40 =BP024164.D 50 =BP024165.D 60 =BP024166.D 80 =BP024167.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	0.499	0.518	0.469	0.496	0.498	0.493	0.497		2.93
3) Pyridine	1.296	1.269	1.406	1.311	1.396	1.398	1.429	1.358		4.69
4) n-Nitrosodimet...	0.444	0.436	0.476	0.431	0.461	0.466	0.461	0.454		3.66
5) S 2-Fluorophenol	1.158	1.194	1.307	1.211	1.291	1.307	1.303	1.253		5.06
6) Aniline	1.508	1.531	1.656	1.484	1.548	1.512	1.447	1.527		4.31
7) S Phenol-d6	1.518	1.581	1.747	1.631	1.749	1.754	1.748	1.675		5.86
8) 2-Chlorophenol	1.257	1.310	1.413	1.306	1.391	1.400	1.397	1.353		4.52
9) Benzaldehyde	0.971	0.949	0.930	0.780	0.751	0.702	0.577	0.809		18.20
10) C Phenol	1.579	1.632	1.754	1.628	1.744	1.752	1.751	1.691		4.46
11) bis(2-Chloroet...	1.286	1.317	1.407	1.273	1.341	1.358	1.356	1.334		3.45
12) 1,3-Dichlorobe...	1.466	1.448	1.522	1.387	1.477	1.471	1.445	1.459		2.79
13) C 1,4-Dichlorobe...	1.507	1.474	1.562	1.413	1.493	1.503	1.479	1.490		3.01
14) 1,2-Dichlorobe...	1.446	1.426	1.494	1.358	1.435	1.440	1.411	1.430		2.85
15) Benzyl Alcohol	0.934	0.966	1.096	1.042	1.122	1.126	1.139	1.061		7.77
16) 2,2'-oxybis(1-...	1.374	1.367	1.434	1.293	1.365	1.362	1.336	1.361		3.11
17) 2-Methylphenol	0.932	0.997	1.120	1.038	1.116	1.113	1.109	1.061		6.96
18) Hexachloroethane	0.533	0.512	0.547	0.508	0.533	0.538	0.529	0.529		2.67
19) P n-Nitroso-di-n...	0.869	0.910	0.956	1.048	0.962	1.026	1.007	0.997	0.972	6.18
20) 3+4-Methylphenols	1.265	1.360	1.530	1.433	1.547	1.530	1.534	1.457		7.50

21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.483	0.490	0.531	0.496	0.508	0.519	0.512	0.506		3.37
23) S Nitrobenzene-d5	0.330	0.338	0.366	0.351	0.362	0.368	0.367	0.354		4.34
24) Nitrobenzene	0.330	0.336	0.362	0.341	0.355	0.363	0.361	0.350		3.88
25) Isophorone	0.532	0.562	0.631	0.602	0.635	0.642	0.649	0.608		7.33
26) C 2-Nitrophenol	0.126	0.141	0.167	0.171	0.182	0.189	0.192	0.167		14.92
27) 2,4-Dimethylph...	0.186	0.198	0.220	0.215	0.223	0.229	0.232	0.215		7.94
28) bis(2-Chloroet...	0.414	0.418	0.438	0.418	0.429	0.437	0.439	0.427		2.55
29) C 2,4-Dichloroph...	0.237	0.263	0.298	0.296	0.306	0.314	0.319	0.291		10.21
30) 1,2,4-Trichlor...	0.310	0.312	0.329	0.312	0.322	0.331	0.331	0.321		2.94
31) Naphthalene	1.041	1.037	1.099	1.029	1.069	1.078	1.069	1.060		2.38
32) Benzoic acid		0.148	0.190	0.218	0.239	0.252		0.209		19.82
33) 4-Chloroaniline	0.344	0.356	0.397	0.377	0.394	0.389	0.398	0.379		5.63
34) C Hexachlorobuta...	0.177	0.178	0.187	0.180	0.187	0.192	0.191	0.185		3.36
35) Caprolactam	0.072	0.079	0.097	0.097	0.107	0.104	0.111	0.095		15.56
36) C 4-Chloro-3-met...	0.261	0.283	0.324	0.314	0.333	0.332	0.348	0.313		9.83
37) 2-Methylnaphth...	0.689	0.684	0.737	0.704	0.731	0.734	0.735	0.716		3.27
38) 1-Methylnaphth...	0.674	0.673	0.728	0.673	0.704	0.705	0.720	0.697		3.32

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP031225.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.548	0.560	0.596	0.558	0.580	0.608	0.596	0.578	3.98	
41) P	Hexachlorocycl...	0.169	0.189	0.214	0.212	0.220	0.234	0.222	0.208	10.65	
42) S	2,4,6-Tribromo...	0.203	0.222	0.256	0.252	0.270	0.275	0.285	0.252	11.69	
43) C	2,4,6-Trichlor...	0.291	0.324	0.379	0.372	0.391	0.409	0.406	0.367	11.98	
44)	2,4,5-Trichlor...	0.331	0.362	0.414	0.409	0.422	0.439	0.443	0.403	10.23	
45) S	2-Fluorobiphenyl	1.364	1.358	1.420	1.319	1.335	1.367	1.332	1.356	2.44	
46)	1,1'-Biphenyl	1.467	1.475	1.566	1.462	1.493	1.536	1.521	1.503	2.60	
47)	2-Chloronaphth...	1.108	1.100	1.180	1.095	1.115	1.164	1.152	1.130	3.01	
48)	2-Nitroaniline	0.228	0.252	0.300	0.292	0.311	0.317	0.324	0.289	12.34	
49)	Acenaphthylene	1.586	1.628	1.776	1.661	1.749	1.789	1.784	1.710	4.91	
50)	Dimethylphthalate	1.351	1.349	1.459	1.358	1.417	1.424	1.439	1.399	3.27	
51)	2,6-Dinitrotol...	0.248	0.266	0.303	0.294	0.312	0.316	0.322	0.294	9.40	
52) C	Acenaphthene	1.057	1.056	1.136	1.061	1.096	1.123	1.121	1.093	3.18	
53)	3-Nitroaniline	0.253	0.276	0.328	0.322	0.344	0.343	0.359	0.318	12.24	
54) P	2,4-Dinitrophenol		0.108	0.146	0.160	0.179	0.186		0.156	19.97	
55)	Dibenzofuran	1.759	1.751	1.835	1.711	1.768	1.799	1.769	1.770	2.18	
56) P	4-Nitrophenol	0.187	0.218	0.271	0.277	0.299	0.296	0.312	0.266	17.41	
57)	2,4-Dinitrotol...	0.295	0.334	0.400	0.394	0.423	0.431	0.446	0.389	14.19	
58)	Fluorene	1.309	1.343	1.442	1.345	1.407	1.407	1.402	1.379	3.43	
59)	2,3,4,6-Tetrac...	0.316	0.323	0.365	0.356	0.371	0.376	0.386	0.356	7.54	
60)	Diethylphthalate	1.297	1.336	1.437	1.358	1.422	1.435	1.469	1.394	4.53	
61)	4-Chlorophenyl...	0.658	0.660	0.696	0.658	0.685	0.689	0.690	0.676	2.53	
62)	4-Nitroaniline	0.246	0.292	0.348	0.343	0.362	0.365	0.379	0.334	14.22	
63)	Azobenzene	1.215	1.251	1.369	1.291	1.341	1.363	1.365	1.314	4.73	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.085	0.111	0.120	0.127	0.132	0.137	0.119	15.85	
66) c	n-Nitrosodiphe...	0.564	0.583	0.629	0.600	0.617	0.632	0.626	0.607	4.27	
67)	4-Bromophenyl-...	0.206	0.207	0.222	0.217	0.224	0.229	0.231	0.220	4.60	
68)	Hexachlorobenzene	0.248	0.249	0.263	0.254	0.263	0.270	0.272	0.260	3.76	
69)	Atrazine	0.165	0.171	0.157	0.135	0.105			0.147	18.49	
70) C	Pentachlorophenol	0.121	0.140	0.166	0.177	0.184	0.190	0.197	0.168	16.61	
71)	Phenanthrene	1.068	1.059	1.126	1.083	1.100	1.111	1.102	1.093	2.19	
72)	Anthracene	0.993	1.012	1.101	1.063	1.092	1.090	1.098	1.064	4.16	
73)	Carbazole	0.920	0.975	1.060	1.041	1.060	1.061	1.066	1.026	5.50	
74)	Di-n-butylphth...	1.026	1.121	1.247	1.260	1.272	1.297	1.304	1.218	8.57	
75) C	Fluoranthene	1.173	1.220	1.287	1.264	1.305	1.298	1.312	1.265	4.07	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.222	0.199	0.178	0.258	0.173	0.278	0.222	0.219	17.88	
78)	Pyrene	1.177	1.190	1.299	1.204	1.266	1.293	1.274	1.243	4.12	
79) S	Terphenyl-d14	0.967	0.973	1.033	0.948	0.966	0.971	0.924	0.969	3.45	
80)	Butylbenzylpht...	0.399	0.441	0.513	0.524	0.554	0.581	0.576	0.513	13.49	
81)	Benzo(a)anthra...	1.194	1.194	1.291	1.208	1.261	1.285	1.271	1.243	3.47	
82)	3,3'-Dichlorob...	0.340	0.369	0.429	0.428	0.434	0.467	0.450	0.417	10.94	
83)	Chrysene	1.185	1.159	1.224	1.158	1.212	1.220	1.209	1.195	2.36	
84)	Bis(2-ethylhex...	0.613	0.678	0.784	0.792	0.819	0.878	0.851	0.774	12.30	
85) c	Di-n-octyl pht...	0.922	1.033	1.224	1.272	1.357	1.435	1.433	1.240	15.95	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP031225.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.274	1.289	1.421	1.366	1.442	1.479	1.499	1.396	6.38
88)	Benzo(b)fluora...	1.103	1.116	1.258	1.190	1.244	1.266	1.264	1.206	5.85
89)	Benzo(k)fluora...	1.092	1.136	1.213	1.130	1.203	1.251	1.232	1.180	5.07
90) C	Benzo(a)pyrene	0.953	0.959	1.065	1.029	1.094	1.119	1.122	1.049	6.77
91)	Dibenzo(a,h)an...	1.063	1.083	1.184	1.137	1.191	1.226	1.244	1.161	5.97
92)	Benzo(g,h,i)pe...	1.097	1.107	1.199	1.154	1.202	1.246	1.259	1.180	5.39

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG No.: Q1746

Instrument ID: BNA_M Calibration Date/Time: 04/09/2025 09:09

Lab File ID: BM049859.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.178	1.196		1.5	
Benzaldehyde	0.752	0.661		-12.1	
Phenol-d6	1.465	1.508		2.9	
Phenol	1.430	1.460		2.1	20.0
bis(2-Chloroethyl)ether	1.121	1.160		3.5	
2-Chlorophenol	1.207	1.229		1.8	
2-Methylphenol	0.881	0.897		1.8	
2,2-oxybis(1-Chloropropane)	1.250	1.279		2.3	
Acetophenone	0.486	0.499		2.7	
3+4-Methylphenols	1.201	1.214		1.1	
n-Nitroso-di-n-propylamine	0.812	0.846	0.050	4.2	
Nitrobenzene-d5	0.359	0.370		3.1	
Hexachloroethane	0.500	0.504		0.8	
Nitrobenzene	0.346	0.354		2.3	
Isophorone	0.602	0.610		1.3	
2-Nitrophenol	0.183	0.186		1.6	20.0
2,4-Dimethylphenol	0.208	0.214		2.9	
bis(2-Chloroethoxy)methane	0.403	0.417		3.5	
2,4-Dichlorophenol	0.345	0.348		0.9	20.0
Naphthalene	1.028	1.045		1.7	
4-Chloroaniline	0.363	0.379		4.4	
Hexachlorobutadiene	0.247	0.252		2.0	20.0
Caprolactam	0.099	0.097		-2.0	
4-Chloro-3-methylphenol	0.302	0.306		1.3	20.0
2-Methylnaphthalene	0.724	0.748		3.3	
Hexachlorocyclopentadiene	0.245	0.263	0.050	7.3	
2,4,6-Trichlorophenol	0.445	0.457		2.7	20.0
2-Fluorobiphenyl	1.475	1.541		4.5	
2,4,5-Trichlorophenol	0.484	0.490		1.2	
1,1-Biphenyl	1.487	1.543		3.8	
2-Chloronaphthalene	1.169	1.198		2.5	
2-Nitroaniline	0.270	0.281		4.1	
Dimethylphthalate	1.411	1.453		3.0	
Acenaphthylene	1.702	1.748		2.7	
2,6-Dinitrotoluene	0.296	0.310		4.7	
3-Nitroaniline	0.286	0.305		6.6	
Acenaphthene	1.083	1.114		2.9	20.0
2,4-Dinitrophenol	0.175	0.181	0.050	3.4	
4-Nitrophenol	0.255	0.271	0.050	6.3	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG No.: Q1746

Instrument ID: BNA_M Calibration Date/Time: 04/09/2025 09:09

Lab File ID: BM049859.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.810	1.863		2.9	
2,4-Dinitrotoluene	0.394	0.418		6.1	
Diethylphthalate	1.353	1.394		3.0	
4-Chlorophenyl-phenylether	0.771	0.808		4.8	
Fluorene	1.439	1.500		4.2	
4-Nitroaniline	0.295	0.317		7.5	
4,6-Dinitro-2-methylphenol	0.126	0.128		1.6	
n-Nitrosodiphenylamine	0.599	0.620		3.5	20.0
2,4,6-Tribromophenol	0.291	0.294		1.0	
4-Bromophenyl-phenylether	0.232	0.238		2.6	
Hexachlorobenzene	0.266	0.274		3.0	
Atrazine	0.155	0.137		-11.6	
Pentachlorophenol	0.196	0.192		-2.0	20.0
Phenanthrene	1.096	1.136		3.7	
Anthracene	1.081	1.120		3.6	
Carbazole	1.018	1.055		3.6	
Di-n-butylphthalate	1.172	1.208		3.1	
Fluoranthene	1.348	1.391		3.2	20.0
Pyrene	1.378	1.446		4.9	
Terphenyl-d14	1.067	1.223		14.6	
Butylbenzylphthalate	0.518	0.527		1.7	
3,3-Dichlorobenzidine	0.502	0.507		1.0	
Benzo (a) anthracene	1.329	1.372		3.2	
Chrysene	1.264	1.297		2.6	
Bis(2-ethylhexyl)phthalate	0.755	0.791		4.8	
Di-n-octyl phthalate	1.320	1.321		0.1	20.0
Benzo (b) fluoranthene	1.277	1.298		1.6	
Benzo (k) fluoranthene	1.238	1.290		4.2	
Benzo (a) pyrene	1.122	1.138		1.4	20.0
Indeno (1,2,3-cd) pyrene	1.491	1.514		1.5	
Dibenzo (a,h) anthracene	1.228	1.243		1.2	
Benzo (g,h,i) perylene	1.255	1.265		0.8	
1,2,4,5-Tetrachlorobenzene	0.700	0.722		3.1	
1,4-Dioxane	0.485	0.491		1.2	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.427		0.7	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG No.: Q1746

Instrument ID: BNA_M Calibration Date/Time: 04/10/2025 09:32

Lab File ID: BM049876.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.178	1.166		-1.0	
Benzaldehyde	0.752	0.687		-8.6	
Phenol-d6	1.465	1.437		-1.9	
Phenol	1.430	1.404		-1.8	20.0
bis(2-Chloroethyl)ether	1.121	1.103		-1.6	
2-Chlorophenol	1.207	1.188		-1.6	
2-Methylphenol	0.881	0.857		-2.7	
2,2-oxybis(1-Chloropropane)	1.250	1.227		-1.8	
Acetophenone	0.486	0.492		1.2	
3+4-Methylphenols	1.201	1.171		-2.5	
n-Nitroso-di-n-propylamine	0.812	0.797	0.050	-1.8	
Nitrobenzene-d5	0.359	0.367		2.2	
Hexachloroethane	0.500	0.490		-2.0	
Nitrobenzene	0.346	0.348		0.6	
Isophorone	0.602	0.607		0.8	
2-Nitrophenol	0.183	0.190		3.8	20.0
2,4-Dimethylphenol	0.208	0.213		2.4	
bis(2-Chloroethoxy)methane	0.403	0.407		1.0	
2,4-Dichlorophenol	0.345	0.354		2.6	20.0
Naphthalene	1.028	1.040		1.2	
4-Chloroaniline	0.363	0.372		2.5	
Hexachlorobutadiene	0.247	0.257		4.0	20.0
Caprolactam	0.099	0.097		-2.0	
4-Chloro-3-methylphenol	0.302	0.304		0.7	20.0
2-Methylnaphthalene	0.724	0.739		2.1	
Hexachlorocyclopentadiene	0.245	0.267	0.050	9.0	
2,4,6-Trichlorophenol	0.445	0.462		3.8	20.0
2-Fluorobiphenyl	1.475	1.523		3.3	
2,4,5-Trichlorophenol	0.484	0.499		3.1	
1,1-Biphenyl	1.487	1.523		2.4	
2-Chloronaphthalene	1.169	1.192		2.0	
2-Nitroaniline	0.270	0.275		1.9	
Dimethylphthalate	1.411	1.436		1.8	
Acenaphthylene	1.702	1.738		2.1	
2,6-Dinitrotoluene	0.296	0.308		4.1	
3-Nitroaniline	0.286	0.303		5.9	
Acenaphthene	1.083	1.105		2.0	20.0
2,4-Dinitrophenol	0.175	0.186	0.050	6.3	
4-Nitrophenol	0.255	0.263	0.050	3.1	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG No.: Q1746

Instrument ID: BNA_M Calibration Date/Time: 04/10/2025 09:32

Lab File ID: BM049876.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.810	1.845		1.9	
2,4-Dinitrotoluene	0.394	0.418		6.1	
Diethylphthalate	1.353	1.368		1.1	
4-Chlorophenyl-phenylether	0.771	0.783		1.6	
Fluorene	1.439	1.462		1.6	
4-Nitroaniline	0.295	0.311		5.4	
4,6-Dinitro-2-methylphenol	0.126	0.129		2.4	
n-Nitrosodiphenylamine	0.599	0.614		2.5	20.0
2,4,6-Tribromophenol	0.291	0.295		1.4	
4-Bromophenyl-phenylether	0.232	0.240		3.4	
Hexachlorobenzene	0.266	0.274		3.0	
Atrazine	0.155	0.167		7.7	
Pentachlorophenol	0.196	0.195		-0.5	20.0
Phenanthrene	1.096	1.123		2.5	
Anthracene	1.081	1.111		2.8	
Carbazole	1.018	1.043		2.5	
Di-n-butylphthalate	1.172	1.210		3.2	
Fluoranthene	1.348	1.368		1.5	20.0
Pyrene	1.378	1.448		5.1	
Terphenyl-d14	1.067	1.192		11.7	
Butylbenzylphthalate	0.518	0.545		5.2	
3,3-Dichlorobenzidine	0.502	0.524		4.4	
Benzo (a) anthracene	1.329	1.351		1.7	
Chrysene	1.264	1.292		2.2	
Bis (2-ethylhexyl) phthalate	0.755	0.777		2.9	
Di-n-octyl phthalate	1.320	1.367		3.6	20.0
Benzo (b) fluoranthene	1.277	1.267		-0.8	
Benzo (k) fluoranthene	1.238	1.241		0.2	
Benzo (a) pyrene	1.122	1.131		0.8	20.0
Indeno (1,2,3-cd) pyrene	1.491	1.512		1.4	
Dibenzo (a,h) anthracene	1.228	1.240		1.0	
Benzo (g,h,i) perylene	1.255	1.269		1.1	
1,2,4,5-Tetrachlorobenzene	0.700	0.726		3.7	
1,4-Dioxane	0.485	0.475		-2.1	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.428		0.9	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG No.: Q1746

Instrument ID: BNA_M Calibration Date/Time: 04/16/2025 09:28

Lab File ID: BM049944.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.178	1.130		-4.1	
Benzaldehyde	0.752	1.425		89.5	
Phenol-d6	1.465	1.430		-2.4	
Phenol	1.430	1.390		-2.8	20.0
bis(2-Chloroethyl)ether	1.121	1.132		1.0	
2-Chlorophenol	1.207	1.170		-3.1	
2-Methylphenol	0.881	0.869		-1.4	
2,2-oxybis(1-Chloropropane)	1.250	1.250		0.0	
Acetophenone	0.486	0.466		-4.1	
3+4-Methylphenols	1.201	1.188		-1.1	
n-Nitroso-di-n-propylamine	0.812	0.823	0.050	1.4	
Nitrobenzene-d5	0.359	0.349		-2.8	
Hexachloroethane	0.500	0.476		-4.8	
Nitrobenzene	0.346	0.333		-3.8	
Isophorone	0.602	0.598		-0.7	
2-Nitrophenol	0.183	0.184		0.5	20.0
2,4-Dimethylphenol	0.208	0.207		-0.5	
bis(2-Chloroethoxy)methane	0.403	0.396		-1.7	
2,4-Dichlorophenol	0.345	0.338		-2.0	20.0
Naphthalene	1.028	0.990		-3.7	
4-Chloroaniline	0.363	0.343		-5.5	
Hexachlorobutadiene	0.247	0.242		-2.0	20.0
Caprolactam	0.099	0.097		-2.0	
4-Chloro-3-methylphenol	0.302	0.302		0.0	20.0
2-Methylnaphthalene	0.724	0.714		-1.4	
Hexachlorocyclopentadiene	0.245	0.207	0.050	-15.5	
2,4,6-Trichlorophenol	0.445	0.441		-0.9	20.0
2-Fluorobiphenyl	1.475	1.434		-2.8	
2,4,5-Trichlorophenol	0.484	0.481		-0.6	
1,1-Biphenyl	1.487	1.435		-3.5	
2-Chloronaphthalene	1.169	1.113		-4.8	
2-Nitroaniline	0.270	0.275		1.9	
Dimethylphthalate	1.411	1.396		-1.1	
Acenaphthylene	1.702	1.657		-2.6	
2,6-Dinitrotoluene	0.296	0.304		2.7	
3-Nitroaniline	0.286	0.287		0.3	
Acenaphthene	1.083	1.048		-3.2	20.0
2,4-Dinitrophenol	0.175	0.173	0.050	-1.1	
4-Nitrophenol	0.255	0.247	0.050	-3.1	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG No.: Q1746

Instrument ID: BNA_M Calibration Date/Time: 04/16/2025 09:28

Lab File ID: BM049944.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.810	1.768		-2.3	
2,4-Dinitrotoluene	0.394	0.416		5.6	
Diethylphthalate	1.353	1.343		-0.7	
4-Chlorophenyl-phenylether	0.771	0.772		0.1	
Fluorene	1.439	1.410		-2.0	
4-Nitroaniline	0.295	0.296		0.3	
4,6-Dinitro-2-methylphenol	0.126	0.121		-4.0	
n-Nitrosodiphenylamine	0.599	0.573		-4.3	20.0
2,4,6-Tribromophenol	0.291	0.301		3.4	
4-Bromophenyl-phenylether	0.232	0.231		-0.4	
Hexachlorobenzene	0.266	0.264		-0.8	
Atrazine	0.155	0.191		23.2	
Pentachlorophenol	0.196	0.179		-8.7	20.0
Phenanthrene	1.096	1.053		-3.9	
Anthracene	1.081	1.050		-2.9	
Carbazole	1.018	0.972		-4.5	
Di-n-butylphthalate	1.172	1.152		-1.7	
Fluoranthene	1.348	1.334		-1.0	20.0
Pyrene	1.378	1.390		0.9	
Terphenyl-d14	1.067	1.150		7.8	
Butylbenzylphthalate	0.518	0.514		-0.8	
3,3-Dichlorobenzidine	0.502	0.446		-11.2	
Benzo (a) anthracene	1.329	1.294		-2.6	
Chrysene	1.264	1.209		-4.4	
Bis(2-ethylhexyl)phthalate	0.755	0.731		-3.2	
Di-n-octyl phthalate	1.320	1.247		-5.5	20.0
Benzo (b) fluoranthene	1.277	1.237		-3.1	
Benzo (k) fluoranthene	1.238	1.213		-2.0	
Benzo (a) pyrene	1.122	1.079		-3.8	20.0
Indeno (1,2,3-cd) pyrene	1.491	1.332		-10.7	
Dibenzo (a,h) anthracene	1.228	1.092		-11.1	
Benzo (g,h,i) perylene	1.255	1.086		-13.5	
1,2,4,5-Tetrachlorobenzene	0.700	0.678		-3.1	
1,4-Dioxane	0.485	0.447		-7.8	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.416		-1.9	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG No.: Q1746

Instrument ID: BNA_P Calibration Date/Time: 04/09/2025 10:08

Lab File ID: BP024228.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.253	1.307		4.3	
Benzaldehyde	0.809	0.769		-4.9	
Phenol-d6	1.675	1.739		3.8	
Phenol	1.691	1.750		3.5	20.0
bis(2-Chloroethyl)ether	1.334	1.368		2.5	
2-Chlorophenol	1.353	1.387		2.5	
2-Methylphenol	1.061	1.121		5.7	
2,2-oxybis(1-Chloropropane)	1.361	1.437		5.6	
Acetophenone	0.506	0.525		3.8	
3+4-Methylphenols	1.457	1.527		4.8	
n-Nitroso-di-n-propylamine	0.972	1.033	0.050	6.3	
Nitrobenzene-d5	0.354	0.378		6.8	
Hexachloroethane	0.529	0.541		2.3	
Nitrobenzene	0.350	0.372		6.3	
Isophorone	0.608	0.657		8.1	
2-Nitrophenol	0.167	0.185		10.8	20.0
2,4-Dimethylphenol	0.215	0.225		4.7	
bis(2-Chloroethoxy)methane	0.427	0.449		5.2	
2,4-Dichlorophenol	0.291	0.311		6.9	20.0
Naphthalene	1.060	1.100		3.8	
4-Chloroaniline	0.379	0.401		5.8	
Hexachlorobutadiene	0.185	0.185		0.0	20.0
Caprolactam	0.095	0.110		15.8	
4-Chloro-3-methylphenol	0.313	0.341		8.9	20.0
2-Methylnaphthalene	0.716	0.745		4.1	
Hexachlorocyclopentadiene	0.208	0.215	0.050	3.4	
2,4,6-Trichlorophenol	0.367	0.387		5.4	20.0
2-Fluorobiphenyl	1.356	1.365		0.7	
2,4,5-Trichlorophenol	0.403	0.426		5.7	
1,1-Biphenyl	1.503	1.538		2.3	
2-Chloronaphthalene	1.130	1.141		1.0	
2-Nitroaniline	0.289	0.329		13.8	
Dimethylphthalate	1.399	1.466		4.8	
Acenaphthylene	1.710	1.788		4.6	
2,6-Dinitrotoluene	0.294	0.319		8.5	
3-Nitroaniline	0.318	0.355		11.6	
Acenaphthene	1.093	1.131		3.5	20.0
2,4-Dinitrophenol	0.156	0.179	0.050	14.7	
4-Nitrophenol	0.266	0.308	0.050	15.8	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG No.: Q1746

Instrument ID: BNA_P Calibration Date/Time: 04/09/2025 10:08

Lab File ID: BP024228.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.770	1.819		2.8	
2,4-Dinitrotoluene	0.389	0.439		12.9	
Diethylphthalate	1.394	1.496		7.3	
4-Chlorophenyl-phenylether	0.676	0.681		0.7	
Fluorene	1.379	1.420		3.0	
4-Nitroaniline	0.334	0.374		12.0	
4,6-Dinitro-2-methylphenol	0.119	0.126		5.9	
n-Nitrosodiphenylamine	0.607	0.626		3.1	20.0
2,4,6-Tribromophenol	0.252	0.271		7.5	
4-Bromophenyl-phenylether	0.220	0.220		0.0	
Hexachlorobenzene	0.260	0.261		0.4	
Atrazine	0.147	0.157		6.8	
Pentachlorophenol	0.168	0.183		8.9	20.0
Phenanthrene	1.093	1.117		2.2	
Anthracene	1.064	1.101		3.5	
Carbazole	1.026	1.092		6.4	
Di-n-butylphthalate	1.218	1.345		10.4	
Fluoranthene	1.265	1.339		5.8	20.0
Pyrene	1.243	1.315		5.8	
Terphenyl-d14	0.969	1.019		5.2	
Butylbenzylphthalate	0.513	0.579		12.9	
3,3-Dichlorobenzidine	0.417	0.477		14.4	
Benzo (a) anthracene	1.243	1.303		4.8	
Chrysene	1.195	1.236		3.4	
Bis(2-ethylhexyl)phthalate	0.774	0.866		11.9	
Di-n-octyl phthalate	1.240	1.441		16.2	20.0
Benzo (b) fluoranthene	1.206	1.262		4.6	
Benzo (k) fluoranthene	1.180	1.193		1.1	
Benzo (a) pyrene	1.049	1.081		3.1	20.0
Indeno (1,2,3-cd) pyrene	1.396	1.431		2.5	
Dibenzo (a,h) anthracene	1.161	1.190		2.5	
Benzo (g,h,i) perylene	1.180	1.210		2.5	
1,2,4,5-Tetrachlorobenzene	0.578	0.583		0.9	
1,4-Dioxane	0.497	0.516		3.8	20.0
2,3,4,6-Tetrachlorophenol	0.356	0.377		5.9	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG No.: Q1746

Instrument ID: BNA_P Calibration Date/Time: 04/10/2025 09:46

Lab File ID: BP024245.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.253	1.288		2.8	
Benzaldehyde	0.809	0.754		-6.8	
Phenol-d6	1.675	1.722		2.8	
Phenol	1.691	1.720		1.7	20.0
bis(2-Chloroethyl)ether	1.334	1.345		0.8	
2-Chlorophenol	1.353	1.391		2.8	
2-Methylphenol	1.061	1.118		5.4	
2,2-oxybis(1-Chloropropane)	1.361	1.415		4.0	
Acetophenone	0.506	0.514		1.6	
3+4-Methylphenols	1.457	1.542		5.8	
n-Nitroso-di-n-propylamine	0.972	1.019	0.050	4.8	
Nitrobenzene-d5	0.354	0.366		3.4	
Hexachloroethane	0.529	0.538		1.7	
Nitrobenzene	0.350	0.364		4.0	
Isophorone	0.608	0.646		6.3	
2-Nitrophenol	0.167	0.190		13.8	20.0
2,4-Dimethylphenol	0.215	0.225		4.7	
bis(2-Chloroethoxy)methane	0.427	0.432		1.2	
2,4-Dichlorophenol	0.291	0.309		6.2	20.0
Naphthalene	1.060	1.084		2.3	
4-Chloroaniline	0.379	0.399		5.3	
Hexachlorobutadiene	0.185	0.191		3.2	20.0
Caprolactam	0.095	0.107		12.6	
4-Chloro-3-methylphenol	0.313	0.342		9.3	20.0
2-Methylnaphthalene	0.716	0.736		2.8	
Hexachlorocyclopentadiene	0.208	0.220	0.050	5.8	
2,4,6-Trichlorophenol	0.367	0.401		9.3	20.0
2-Fluorobiphenyl	1.356	1.375		1.4	
2,4,5-Trichlorophenol	0.403	0.437		8.4	
1,1-Biphenyl	1.503	1.546		2.9	
2-Chloronaphthalene	1.130	1.164		3.0	
2-Nitroaniline	0.289	0.328		13.5	
Dimethylphthalate	1.399	1.457		4.1	
Acenaphthylene	1.710	1.814		6.1	
2,6-Dinitrotoluene	0.294	0.319		8.5	
3-Nitroaniline	0.318	0.343		7.9	
Acenaphthene	1.093	1.118		2.3	20.0
2,4-Dinitrophenol	0.156	0.187	0.050	19.9	
4-Nitrophenol	0.266	0.301	0.050	13.2	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG No.: Q1746

Instrument ID: BNA_P Calibration Date/Time: 04/10/2025 09:46

Lab File ID: BP024245.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.770	1.831		3.4	
2,4-Dinitrotoluene	0.389	0.440		13.1	
Diethylphthalate	1.394	1.493		7.1	
4-Chlorophenyl-phenylether	0.676	0.677		0.1	
Fluorene	1.379	1.402		1.7	
4-Nitroaniline	0.334	0.365		9.3	
4,6-Dinitro-2-methylphenol	0.119	0.133		11.8	
n-Nitrosodiphenylamine	0.607	0.627		3.3	20.0
2,4,6-Tribromophenol	0.252	0.289		14.7	
4-Bromophenyl-phenylether	0.220	0.233		5.9	
Hexachlorobenzene	0.260	0.272		4.6	
Atrazine	0.147	0.163		10.9	
Pentachlorophenol	0.168	0.196		16.7	20.0
Phenanthrene	1.093	1.113		1.8	
Anthracene	1.064	1.104		3.8	
Carbazole	1.026	1.069		4.2	
Di-n-butylphthalate	1.218	1.344		10.3	
Fluoranthene	1.265	1.307		3.3	20.0
Pyrene	1.243	1.314		5.7	
Terphenyl-d14	0.969	1.006		3.8	
Butylbenzylphthalate	0.513	0.605		17.9	
3,3-Dichlorobenzidine	0.417	0.484		16.1	
Benzo (a) anthracene	1.243	1.289		3.7	
Chrysene	1.195	1.222		2.3	
Bis(2-ethylhexyl)phthalate	0.774	0.886		14.5	
Di-n-octyl phthalate	1.240	1.522		22.7	20.0
Benzo (b) fluoranthene	1.206	1.239		2.7	
Benzo (k) fluoranthene	1.180	1.183		0.3	
Benzo (a) pyrene	1.049	1.081		3.1	20.0
Indeno (1,2,3-cd) pyrene	1.396	1.446		3.6	
Dibenzo (a,h) anthracene	1.161	1.193		2.8	
Benzo (g,h,i) perylene	1.180	1.203		1.9	
1,2,4,5-Tetrachlorobenzene	0.578	0.591		2.2	
1,4-Dioxane	0.497	0.491		-1.2	20.0
2,3,4,6-Tetrachlorophenol	0.356	0.385		8.1	

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
 Data File : BP024240.D
 Acq On : 09 Apr 2025 18:22
 Operator : RC/JU
 Sample : Q1746-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-149-SB01

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Apr 10 01:00:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 13 05:55:58 2025
 Response via : Initial Calibration

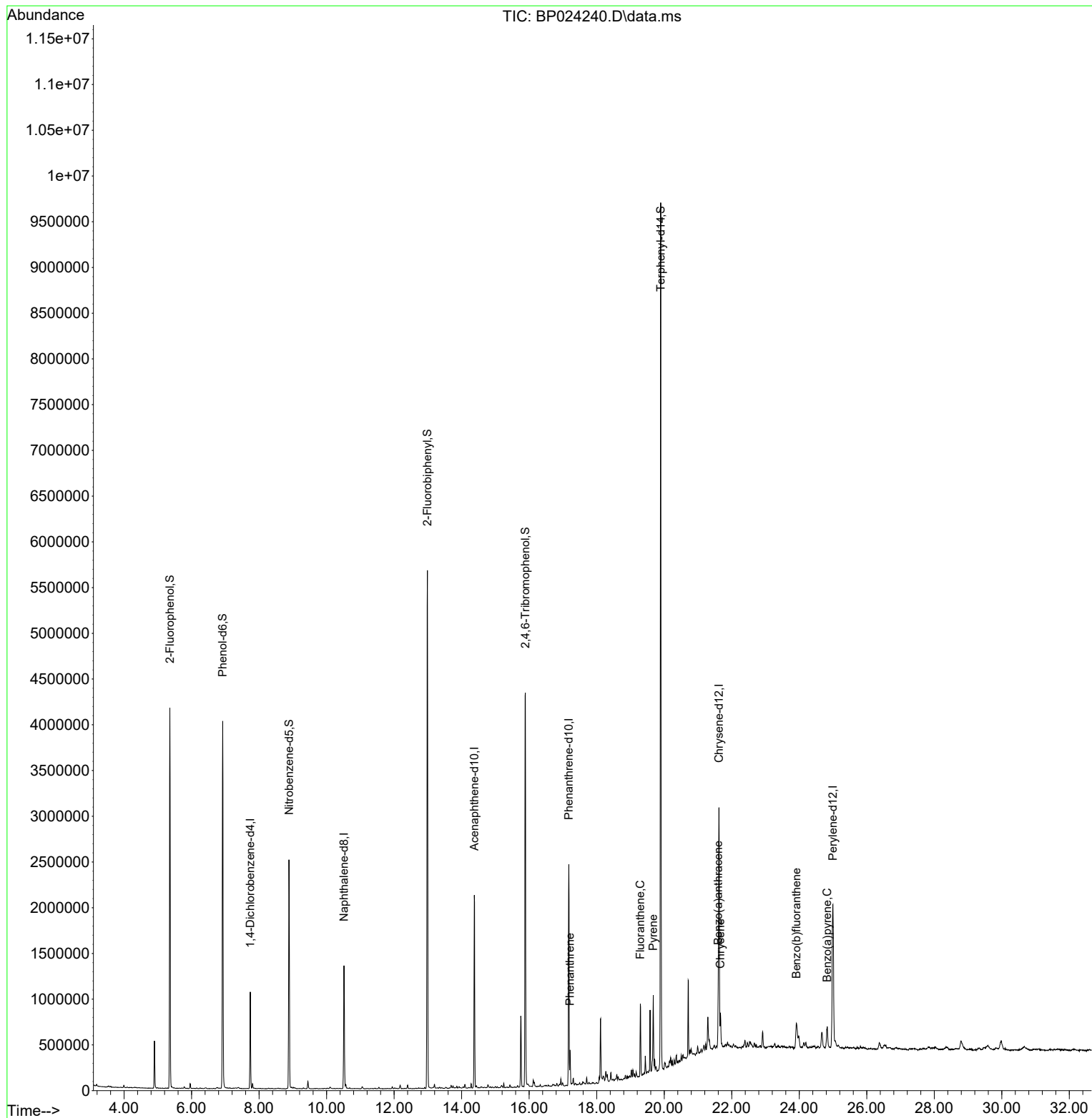
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Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	273538	20.000	ng	-0.03
21) Naphthalene-d8	10.516	136	1106820	20.000	ng	-0.04
39) Acenaphthene-d10	14.375	164	675246	20.000	ng	-0.03
64) Phenanthrene-d10	17.175	188	1351996	20.000	ng	-0.03
76) Chrysene-d12	21.621	240	1469545	20.000	ng	-0.04
86) Perylene-d12	24.992	264	1665459	20.000	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	1830629	106.830	ng	-0.02
7) Phenol-d6	6.922	99	2412488	105.279	ng	-0.03
23) Nitrobenzene-d5	8.887	82	1436557	73.230	ng	-0.04
42) 2,4,6-Tribromophenol	15.886	330	875242	102.902	ng	-0.03
45) 2-Fluorobiphenyl	12.987	172	3002639	65.568	ng	-0.03
79) Terphenyl-d14	19.898	244	4475088	62.860	ng	-0.02
Target Compounds						
71) Phenanthrene	17.210	178	214910	2.910	ng	99
75) Fluoranthene	19.292	202	460658	5.385	ng	98
78) Pyrene	19.675	202	469635	5.140	ng	99
81) Benzo(a)anthracene	21.598	228	255473	2.796	ng	97
83) Chrysene	21.663	228	273819	3.118	ng	98
88) Benzo(b)fluoranthene	23.915	252	347008	3.456	ng	# 96
90) Benzo(a)pyrene	24.827	252	236671	2.710	ng	# 96

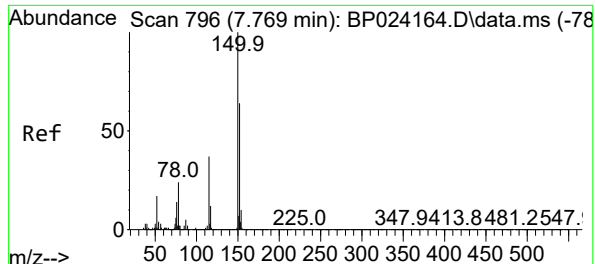
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 09 Apr 2025 18:22
Operator : RC/JU
Sample : Q1746-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-149-SB01

Quant Time: Apr 10 01:00:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

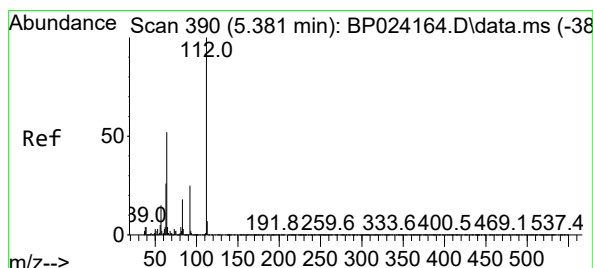
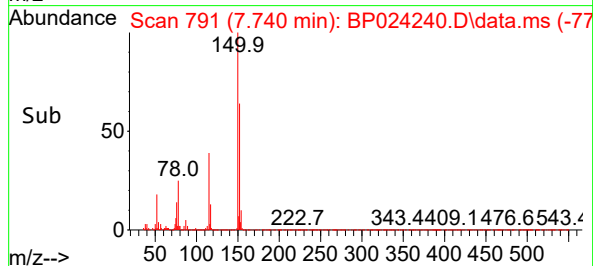
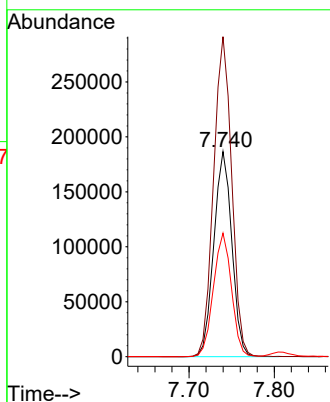
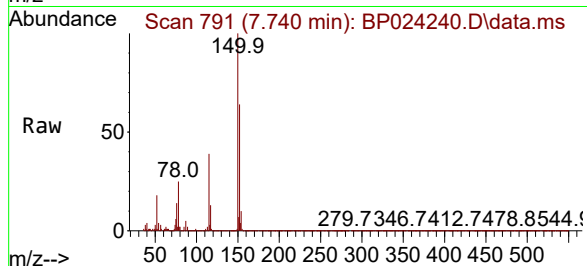




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 796
Delta R.T. -0.029 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

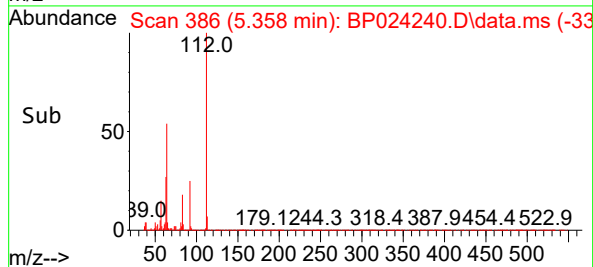
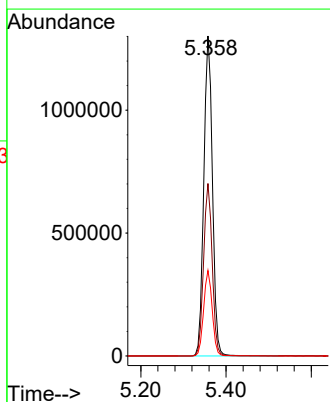
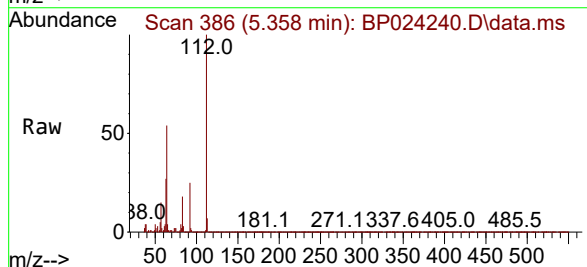
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ClientSampleId :
B-149-SB01

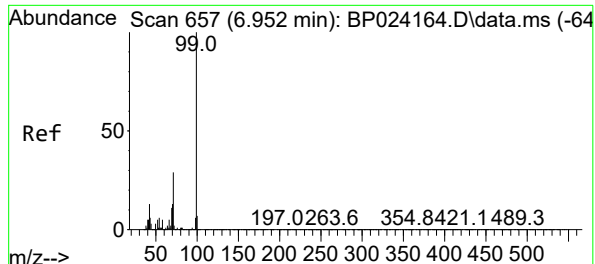
Tgt Ion:152 Resp: 273538
Ion Ratio Lower Upper
152 100
150 156.0 125.5 188.3
115 60.3 46.3 69.5



#5
2-Fluorophenol
Concen: 106.830 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

Tgt Ion:112 Resp: 1830629
Ion Ratio Lower Upper
112 100
64 53.9 41.3 61.9
63 26.7 20.6 31.0

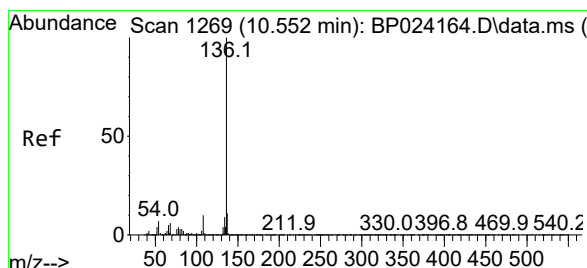
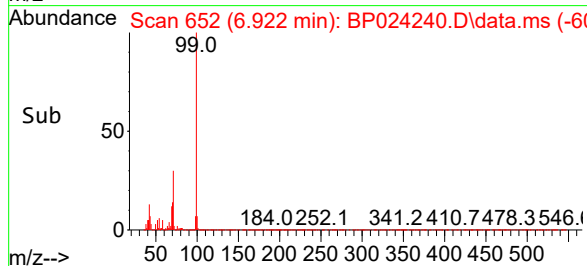
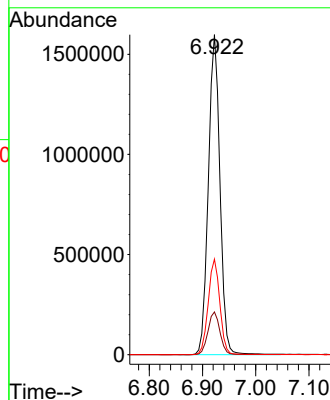
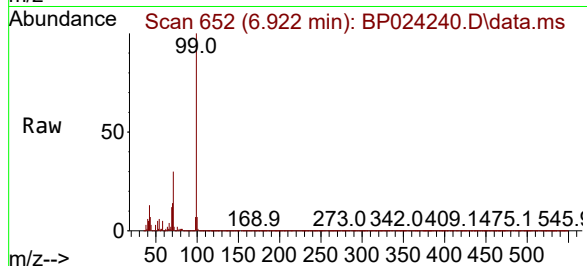




#7
Phenol-d6
Concen: 105.279 ng
RT: 6.922 min Scan# 61
Delta R.T. -0.030 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

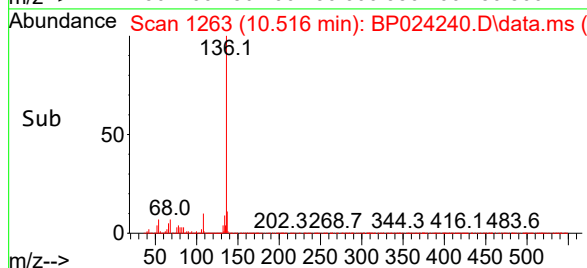
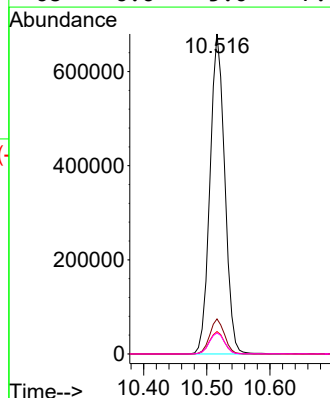
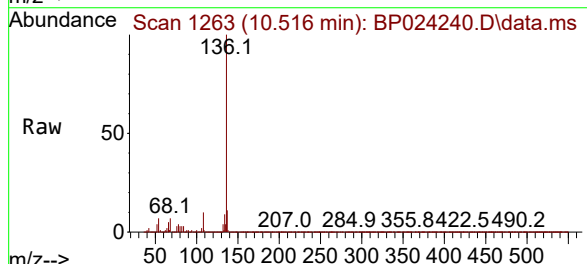
Instrument :
BNA_P
ClientSampleId :
B-149-SB01

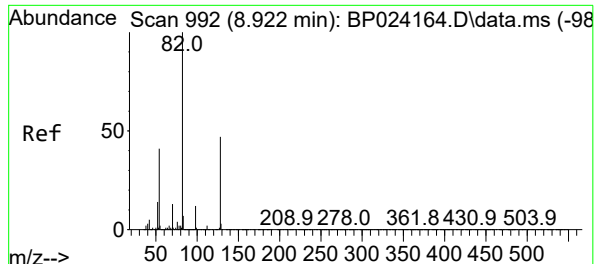
Tgt Ion: 99 Resp: 2412488
Ion Ratio Lower Upper
99 100
42 13.3 10.6 16.0
71 29.8 23.3 34.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.035 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

Tgt Ion:136 Resp: 1106820
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 7.0 5.3 7.9
68 6.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 73.230 ng

RT: 8.887 min Scan# 91

Delta R.T. -0.035 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

Instrument :

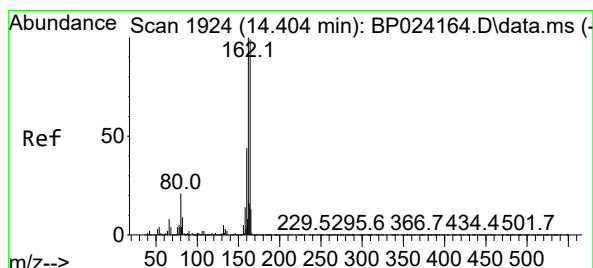
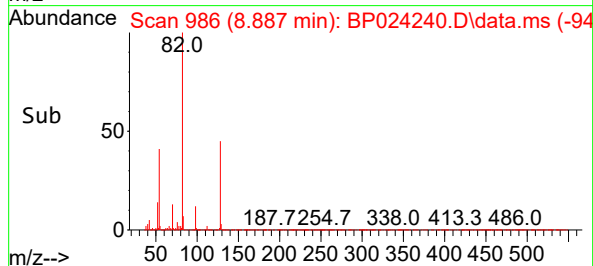
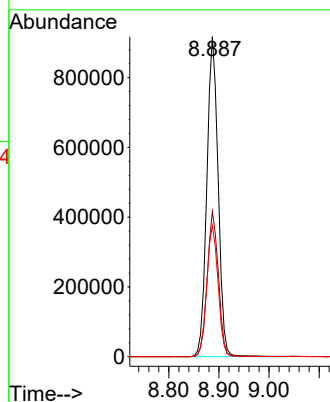
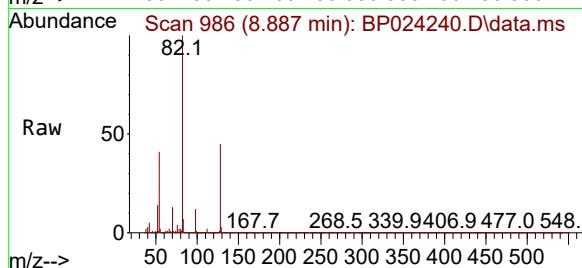
BNA_P

ClientSampleId :

B-149-SB01

Tgt Ion: 82 Resp: 1436557

Ion	Ratio	Lower	Upper
82	100		
128	45.4	37.4	56.0
54	40.9	32.5	48.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.375 min Scan# 1919

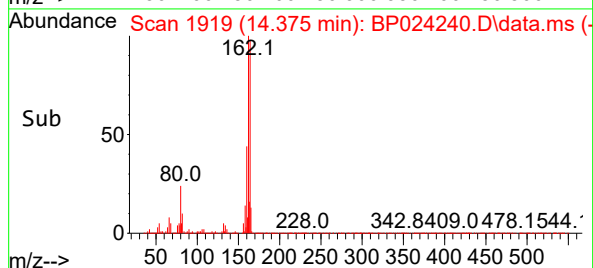
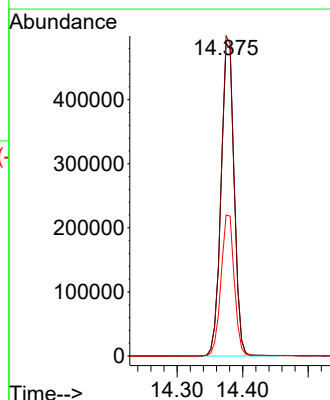
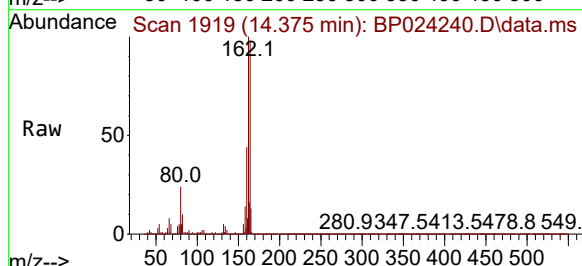
Delta R.T. -0.030 min

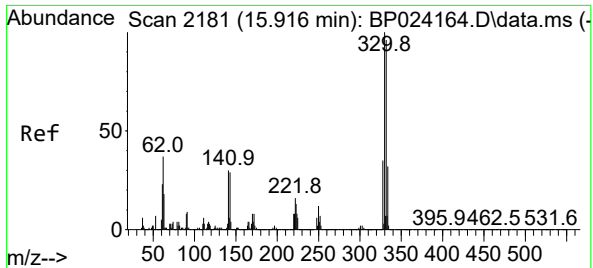
Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

Tgt Ion: 164 Resp: 675246

Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.6	121.0
160	45.0	35.4	53.2

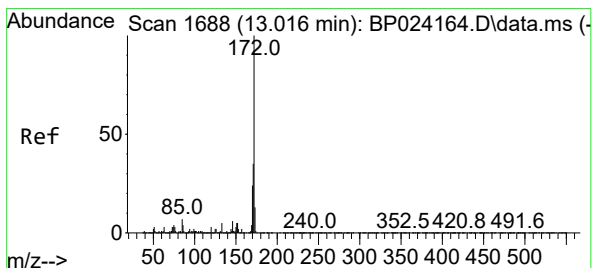
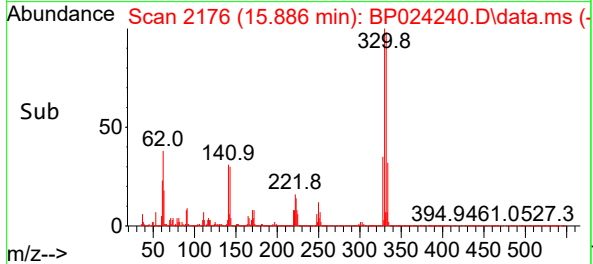
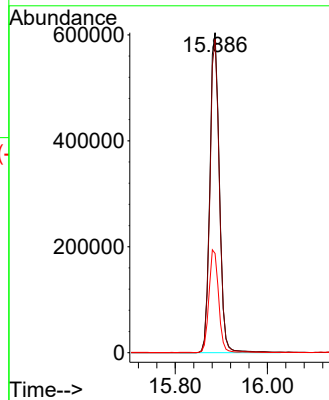
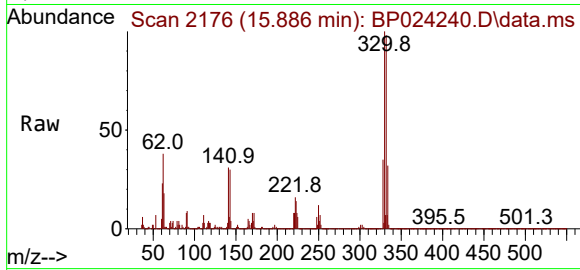




#42
2,4,6-Tribromophenol
Concen: 102.902 ng
RT: 15.886 min Scan# 2181
Delta R.T. -0.030 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

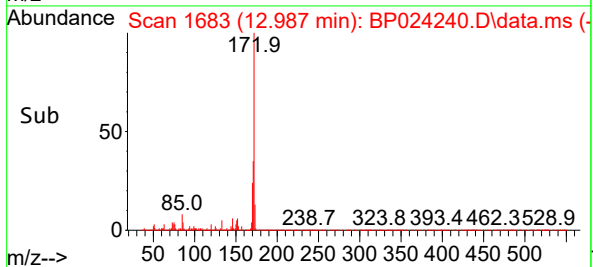
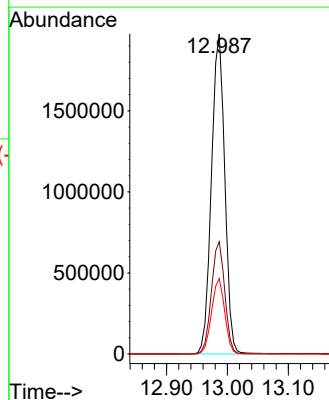
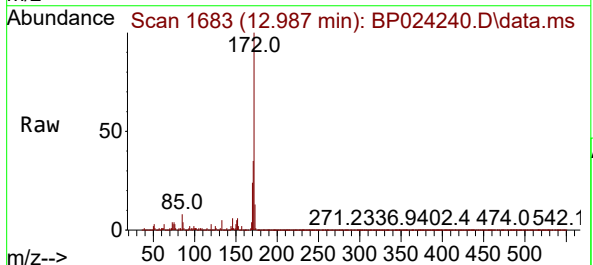
Instrument :
BNA_P
ClientSampleId :
B-149-SB01

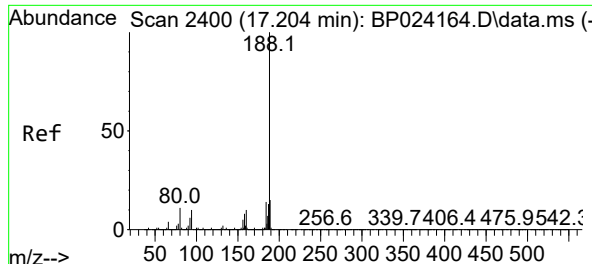
Tgt Ion: 330 Resp: 875242
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 32.3 25.0 37.6



#45
2-Fluorobiphenyl
Concen: 65.568 ng
RT: 12.987 min Scan# 1683
Delta R.T. -0.030 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

Tgt Ion: 172 Resp: 3002639
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.6 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.175 min Scan# 21

Delta R.T. -0.030 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

Instrument :

BNA_P

ClientSampleId :

B-149-SB01

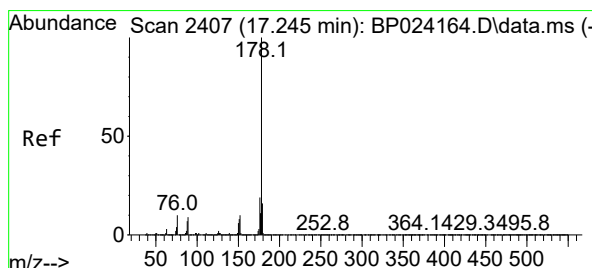
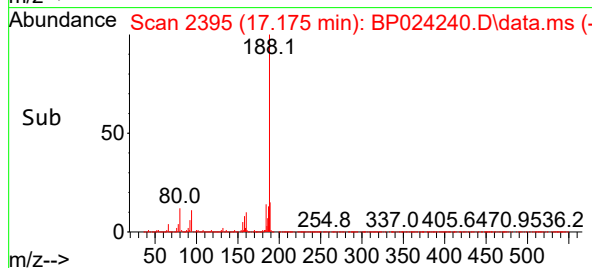
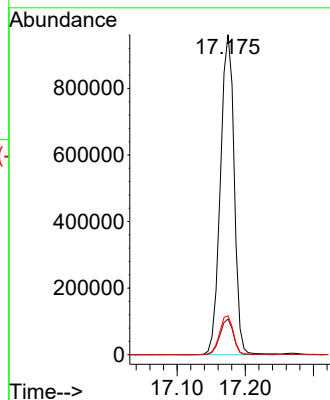
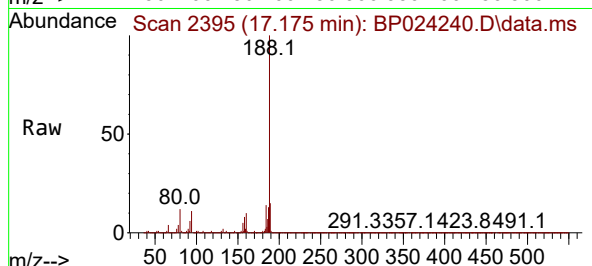
Tgt Ion:188 Resp: 1351996

Ion Ratio Lower Upper

188 100

94 11.1 8.1 12.1

80 12.2 8.9 13.3



#71

Phenanthrene

Concen: 2.910 ng

RT: 17.210 min Scan# 2401

Delta R.T. -0.035 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

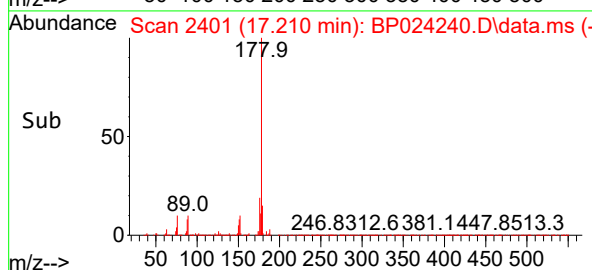
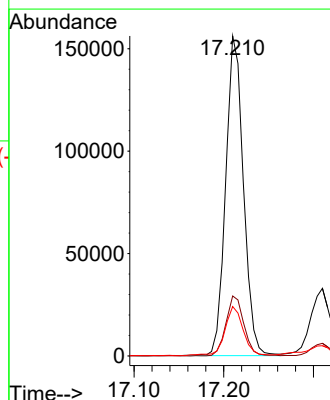
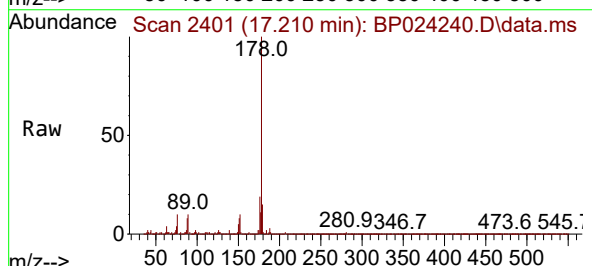
Tgt Ion:178 Resp: 214910

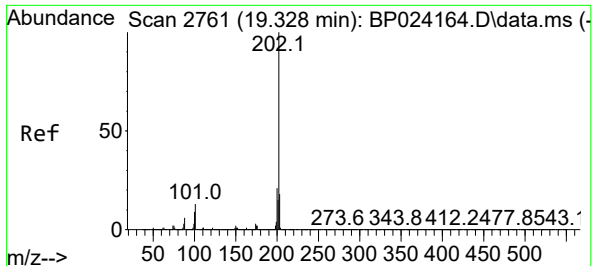
Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

179 15.4 12.5 18.7

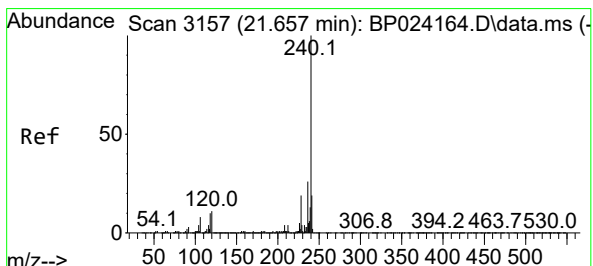
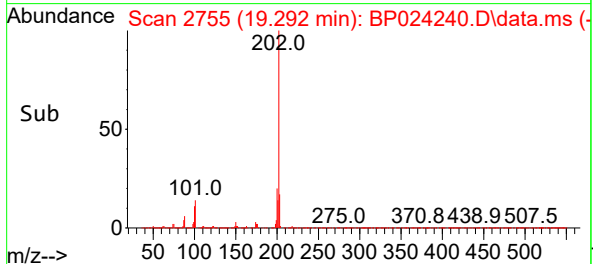
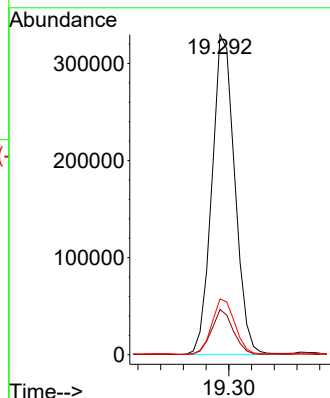
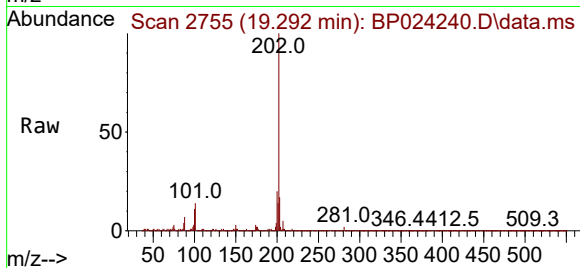




#75
Fluoranthene
Concen: 5.385 ng
RT: 19.292 min Scan# 21
Delta R.T. -0.035 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

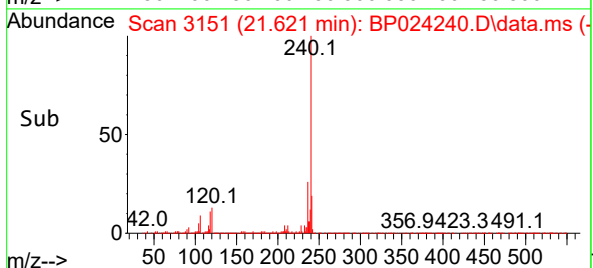
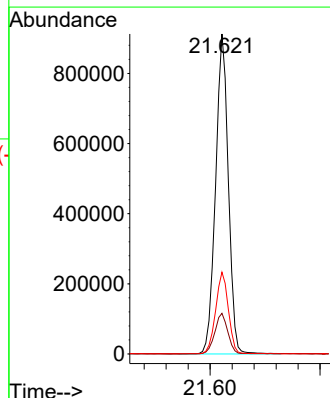
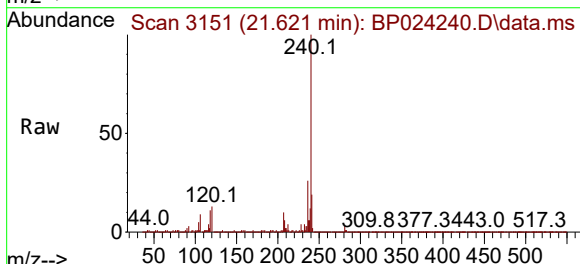
Instrument :
BNA_P
ClientSampleId :
B-149-SB01

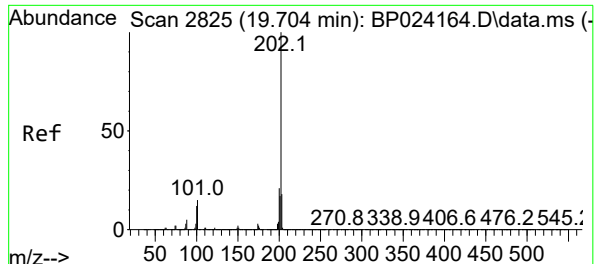
Tgt Ion:202 Resp: 460658
Ion Ratio Lower Upper
202 100
101 14.2 0.0 32.5
203 17.5 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.621 min Scan# 3151
Delta R.T. -0.035 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

Tgt Ion:240 Resp: 1469545
Ion Ratio Lower Upper
240 100
120 12.7 9.2 13.8
236 25.6 20.4 30.6





#78

Pyrene

Concen: 5.140 ng

RT: 19.675 min Scan# 2820

Delta R.T. -0.030 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

Instrument :

BNA_P

ClientSampleId :

B-149-SB01

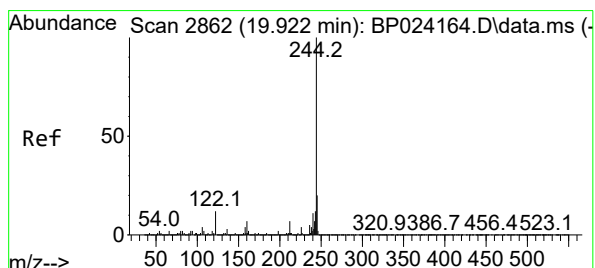
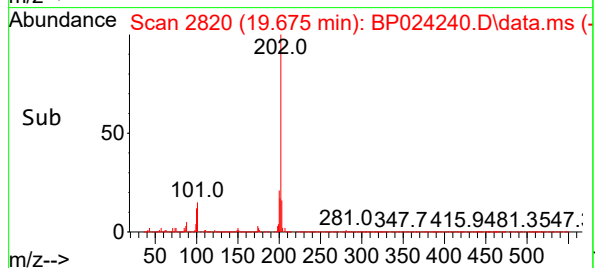
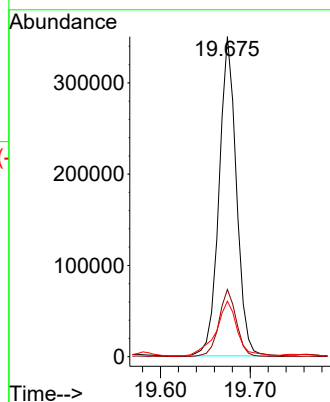
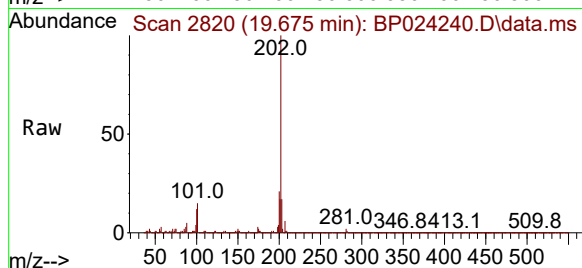
Tgt Ion:202 Resp: 469635

Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 17.3 14.2 21.4



#79

Terphenyl-d14

Concen: 62.860 ng

RT: 19.898 min Scan# 2858

Delta R.T. -0.024 min

Lab File: BP024240.D

Acq: 09 Apr 2025 18:22

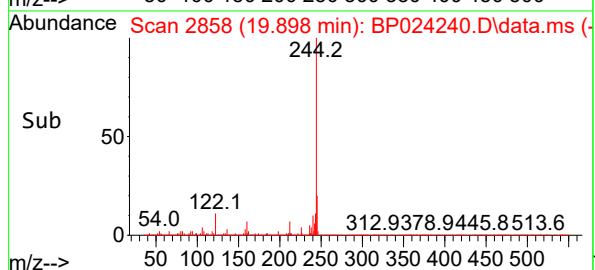
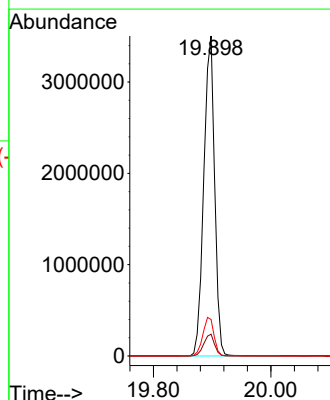
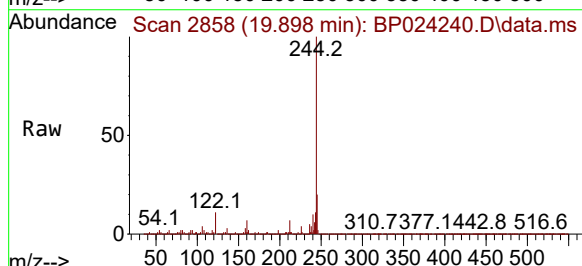
Tgt Ion:244 Resp: 4475088

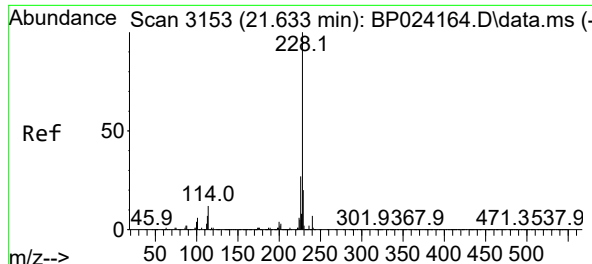
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 11.4 9.6 14.4

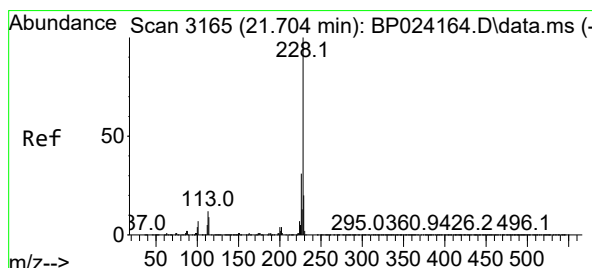
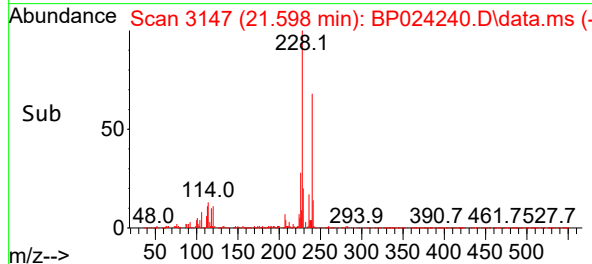
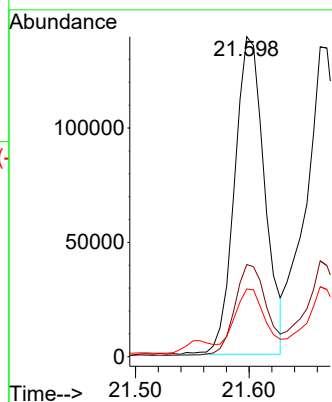
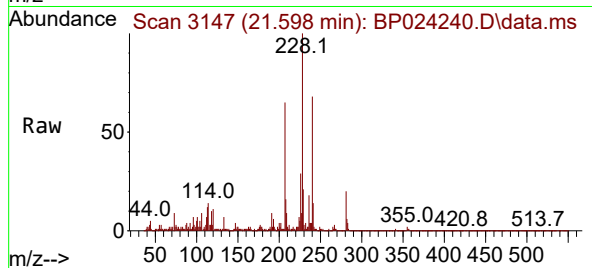




#81
Benzo(a)anthracene
Concen: 2.796 ng
RT: 21.598 min Scan# 3147
Delta R.T. -0.035 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

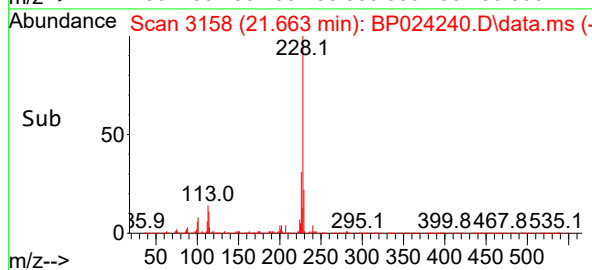
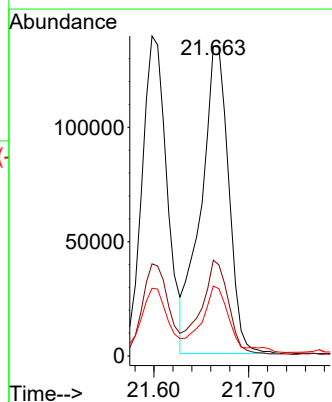
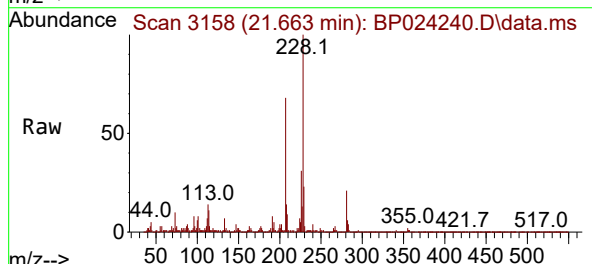
Instrument :
BNA_P
ClientSampleId :
B-149-SB01

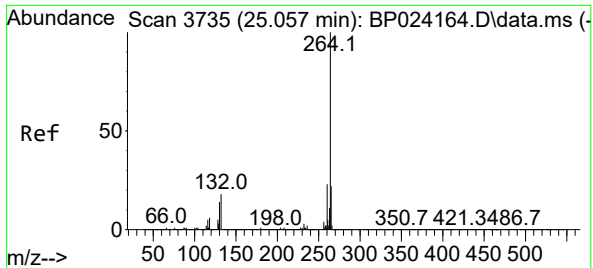
Tgt Ion:228 Resp: 255473
Ion Ratio Lower Upper
228 100
226 28.8 21.8 32.8
229 21.2 16.0 24.0



#83
Chrysene
Concen: 3.118 ng
RT: 21.663 min Scan# 3158
Delta R.T. -0.041 min
Lab File: BP024240.D
Acq: 09 Apr 2025 18:22

Tgt Ion:228 Resp: 273819
Ion Ratio Lower Upper
228 100
226 30.9 24.5 36.7
229 22.6 16.2 24.2

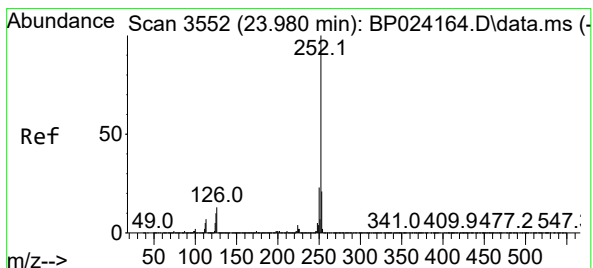
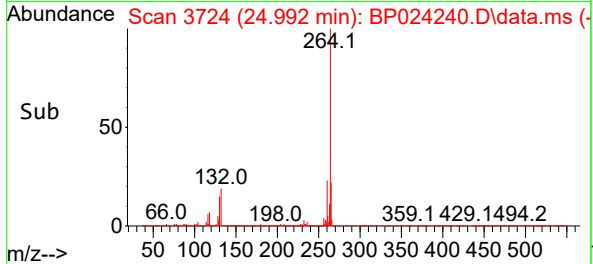
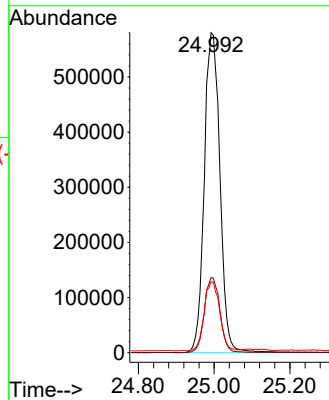
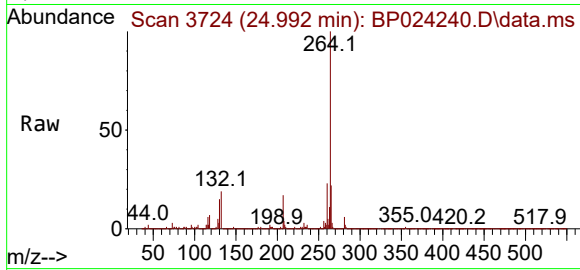




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.992 min Scan# 31
 Delta R.T. -0.065 min
 Lab File: BP024240.D
 Acq: 09 Apr 2025 18:22

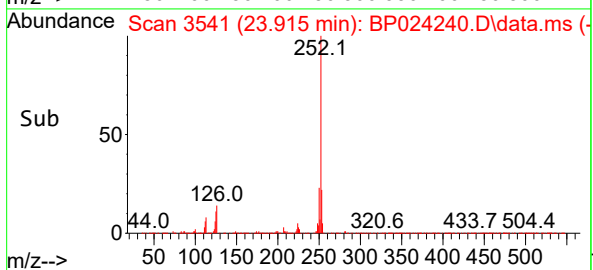
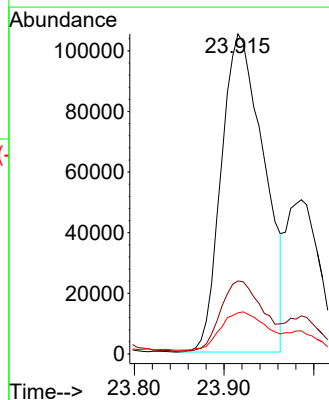
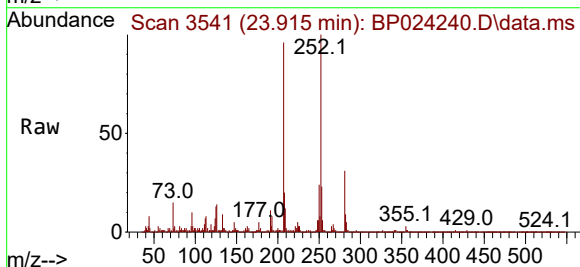
Instrument :
 BNA_P
 ClientSampleId :
 B-149-SB01

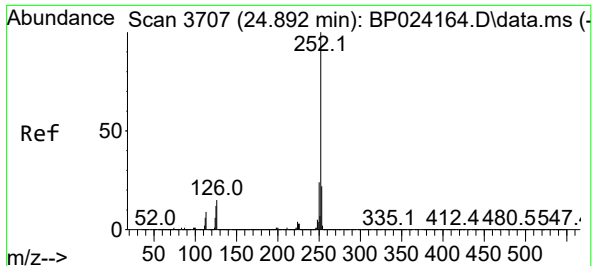
Tgt Ion:264 Resp: 1665459
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.5 27.7
 265 22.1 17.7 26.5



#88
 Benzo(b)fluoranthene
 Concen: 3.456 ng
 RT: 23.915 min Scan# 3541
 Delta R.T. -0.065 min
 Lab File: BP024240.D
 Acq: 09 Apr 2025 18:22

Tgt Ion:252 Resp: 347008
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.2 25.8
 125 12.8 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 2.710 ng

RT: 24.827 min Scan# 30

Delta R.T. -0.065 min

Lab File: BP024240.D

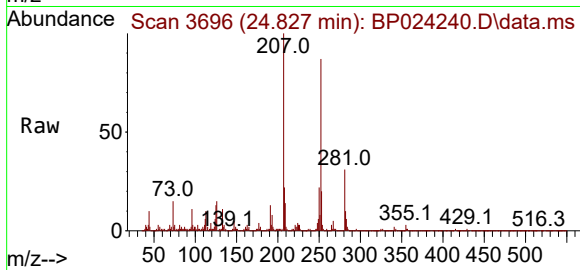
Acq: 09 Apr 2025 18:22

Instrument :

BNA_P

ClientSampleId :

B-149-SB01



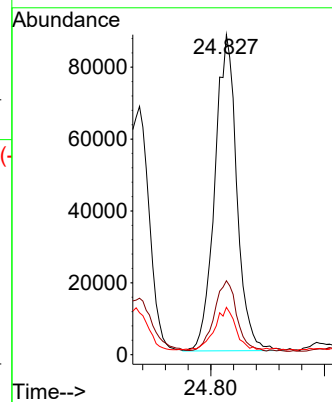
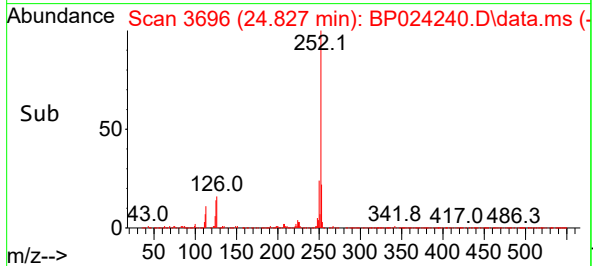
Tgt Ion:252 Resp: 236671

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 14.8 9.6 14.4#



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024240.D
Acq On : 09 Apr 2025 18:22
Operator : RC/JU
Sample : Q1746-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-149-SB01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024240.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.899	303	308	319	rVB	516946	739410	5.60%	1.016%
2	5.358	379	386	394	rBV	4159870	5806304	43.95%	7.977%
3	6.922	643	652	669	rBV	4014465	6245061	47.28%	8.580%
4	7.740	784	791	798	rBV	1056052	1563765	11.84%	2.148%
5	8.887	979	986	996	rBV	2500125	3907865	29.58%	5.369%
6	9.446	1074	1081	1094	rVB	80028	140502	1.06%	0.193%
7	10.516	1254	1263	1269	rBV	1345537	2218376	16.79%	3.048%
8	12.987	1674	1683	1701	rBV	5664759	8703197	65.88%	11.957%
9	14.375	1910	1919	1925	rBV	2108560	2922775	22.13%	4.015%
10	15.751	2147	2153	2161	rBV	775094	1129671	8.55%	1.552%
11	15.886	2169	2176	2185	rBV	4306445	6446570	48.80%	8.856%
12	17.175	2388	2395	2399	rBV2	2419788	3441649	26.05%	4.728%
13	17.210	2399	2401	2408	rVB	376376	464620	3.52%	0.638%
14	18.116	2550	2555	2565	rBV2	660838	977827	7.40%	1.343%
15	18.275	2577	2582	2586	rBV2	96098	187969	1.42%	0.258%
16	19.292	2750	2755	2764	rBV	797023	1191185	9.02%	1.636%
17	19.439	2776	2780	2786	rBV2	195263	254327	1.93%	0.349%
18	19.580	2800	2804	2810	rVB	672534	768787	5.82%	1.056%
19	19.675	2812	2820	2825	rVV	824209	1250285	9.46%	1.718%
20	19.898	2852	2858	2869	rVB	9471598	13209906	100.00%	18.148%
21	20.710	2992	2996	3002	rBV	834841	1030218	7.80%	1.415%
22	21.292	3091	3095	3100	rBV3	295818	487454	3.69%	0.670%
23	21.621	3143	3151	3156	rBV2	2602647	4831752	36.58%	6.638%
24	21.663	3156	3158	3170	rVB	373073	621547	4.71%	0.854%
25	24.998	3716	3725	3734	rBV	1527773	4248736	32.16%	5.837%

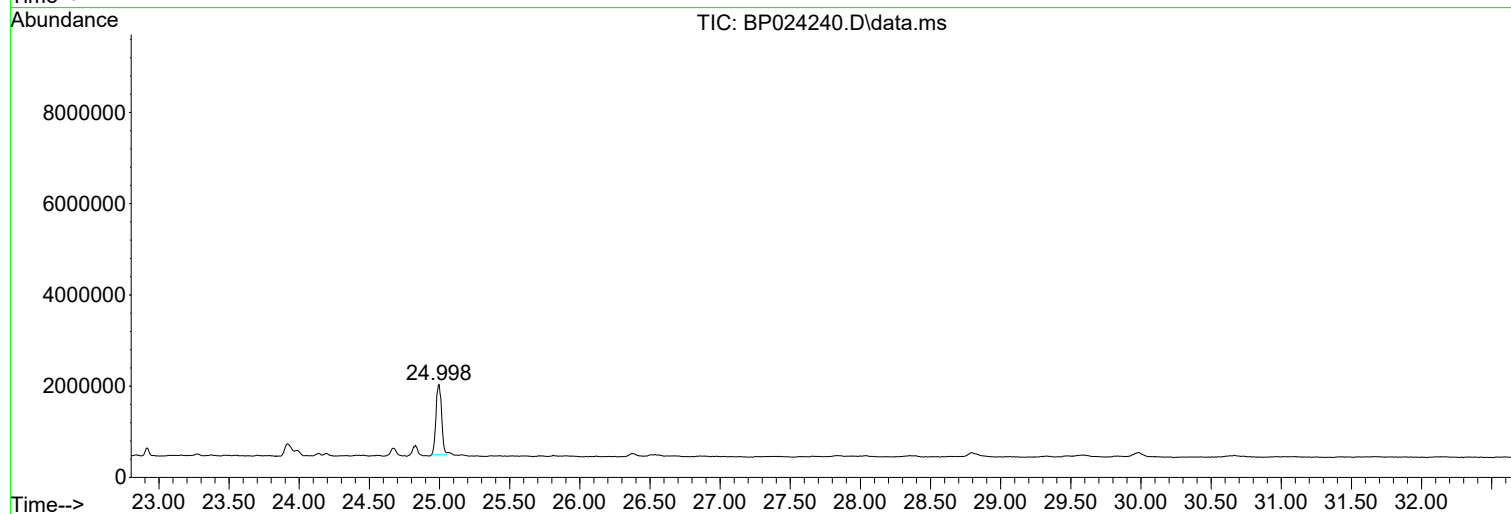
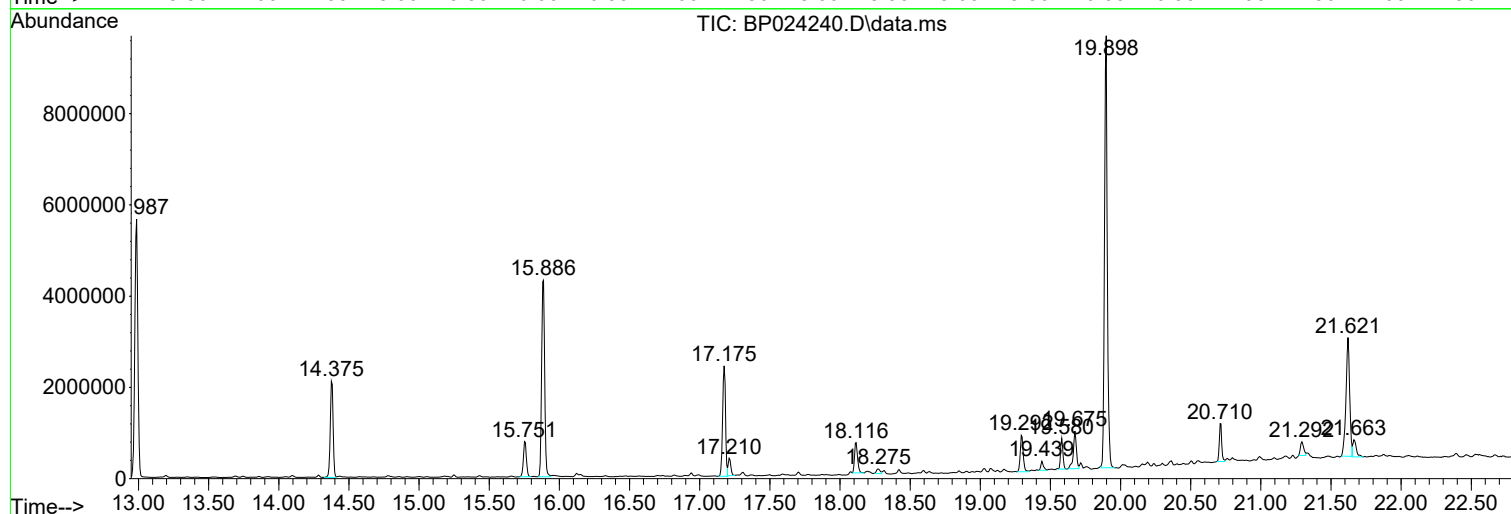
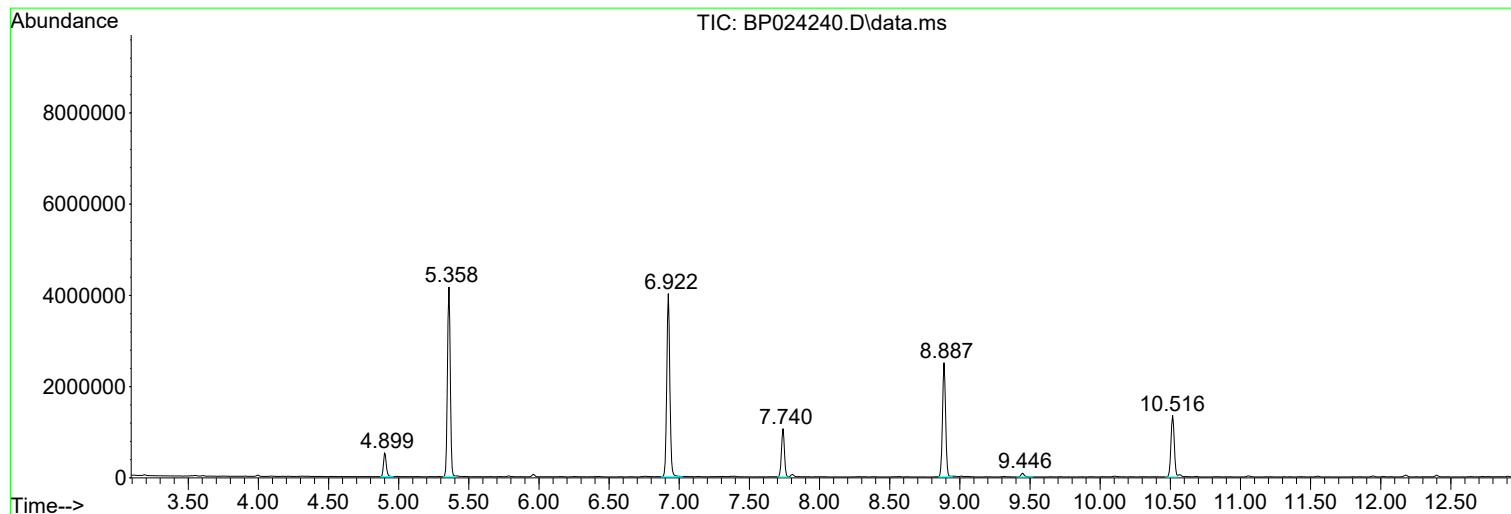
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Data File : BP024240.D
Acq On : 09 Apr 2025 18:22
Operator : RC/JU
Sample : Q1746-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-149-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
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Acq On : 09 Apr 2025 18:22
Operator : RC/JU
Sample : Q1746-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

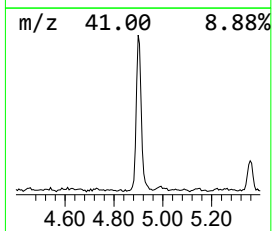
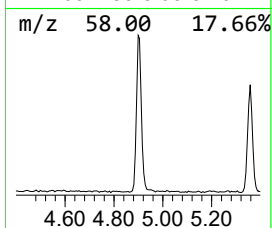
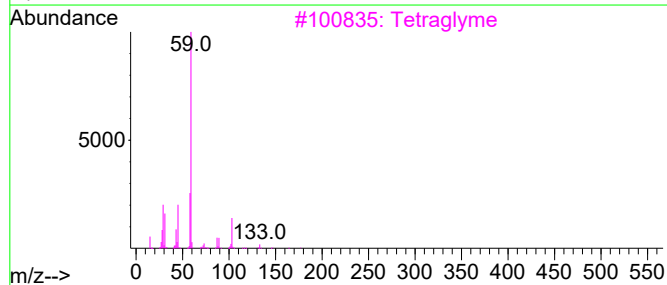
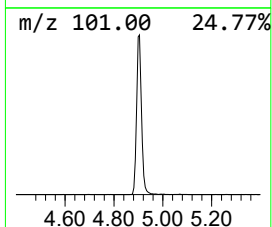
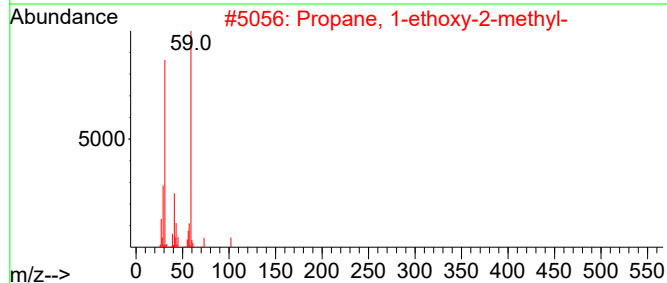
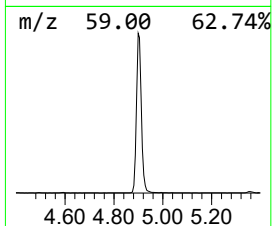
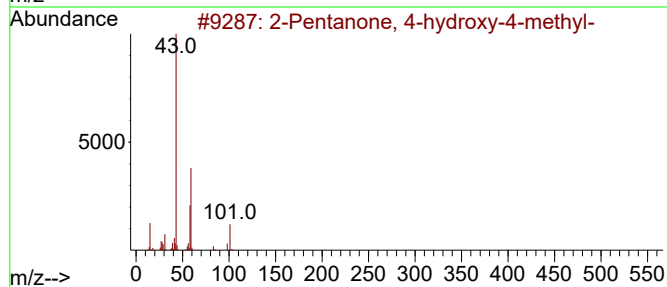
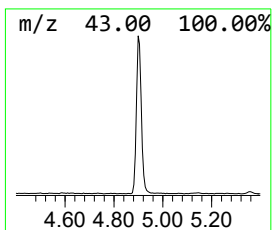
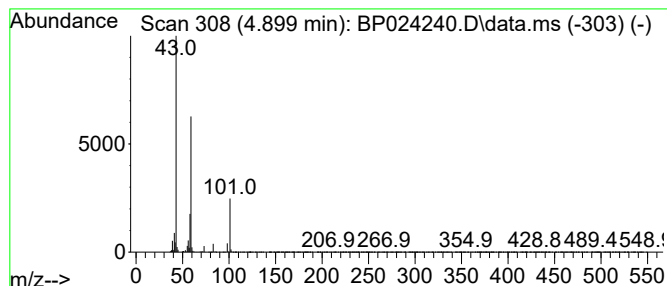
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.899	9.46 ng	739410	1,4-Dichlorobenzene-d4	7.740	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	38
3	Tetraglyme	222	C10H22O5	000143-24-8	25
4	(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	23
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-149-SB01

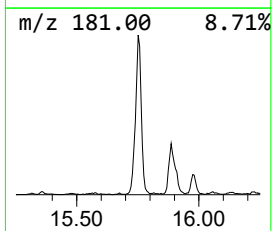
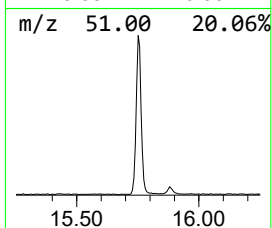
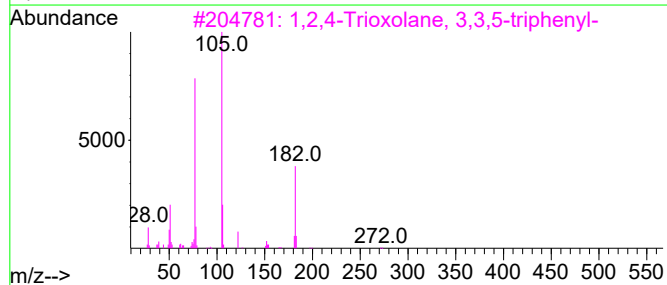
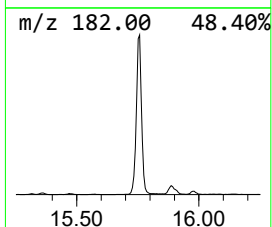
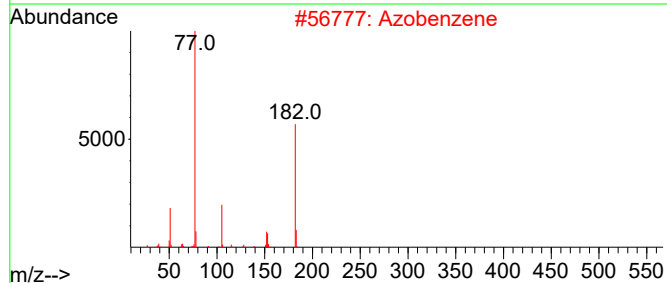
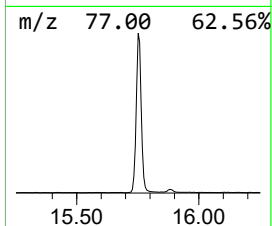
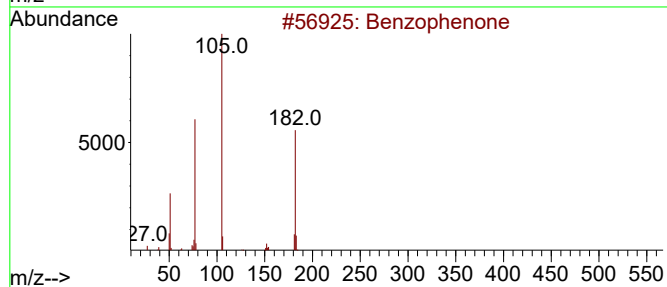
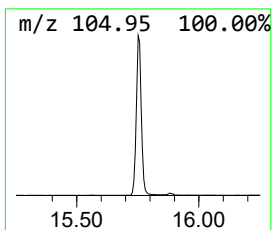
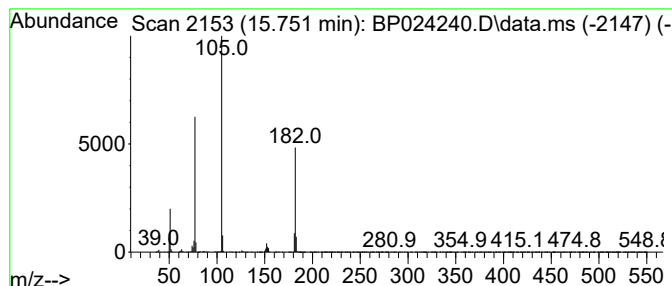
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.751	7.73 ng	1129670	Acenaphthene-d10	14.375

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	53
3			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	50
4			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50
5			Benzene, 4-methyl-1,2-dinitro-	182	C7H6N2O4	000610-39-9	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024240.D
Acq On : 09 Apr 2025 18:22
Operator : RC/JU
Sample : Q1746-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

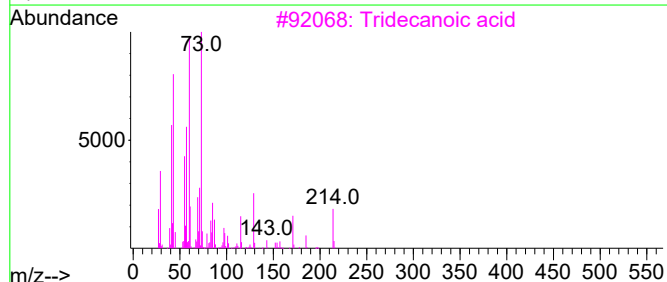
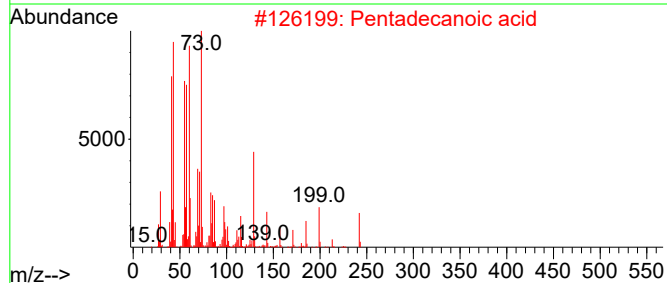
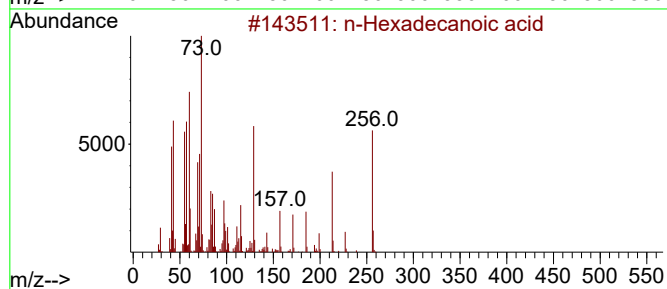
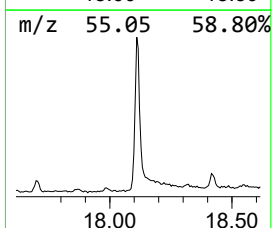
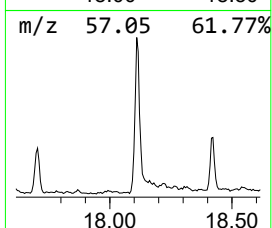
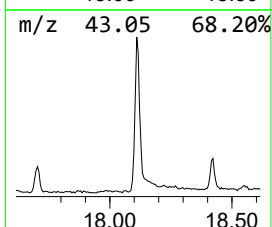
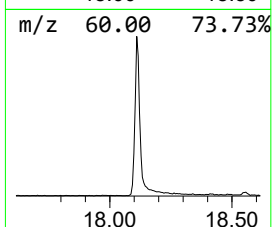
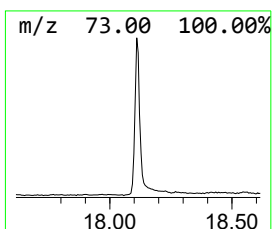
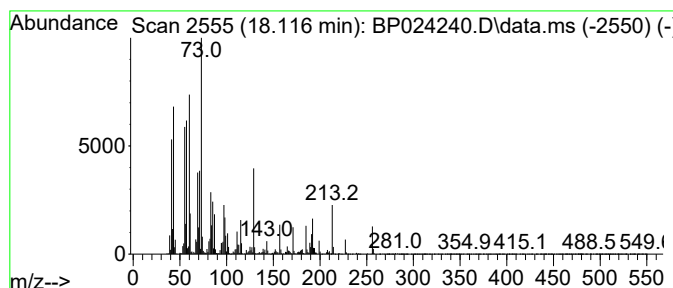
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.116	5.68 ng	977827	Phenanthrene-d10		17.175	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid		242	C15H30O2	001002-84-2	76
3	Tridecanoic acid		214	C13H26O2	000638-53-9	70
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	64
5	n-Decanoic acid		172	C10H20O2	000334-48-5	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
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Sample : Q1746-01
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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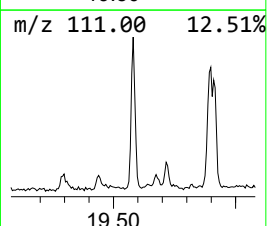
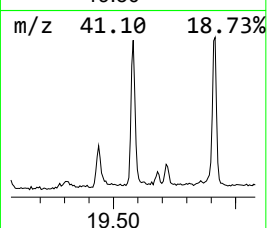
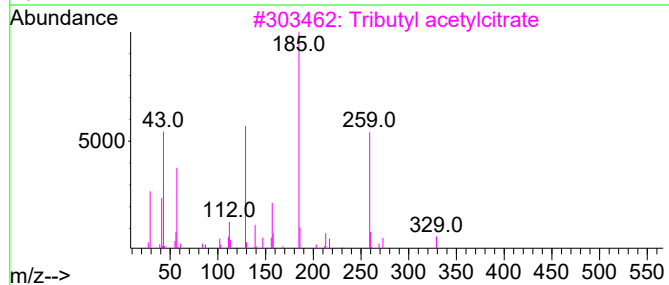
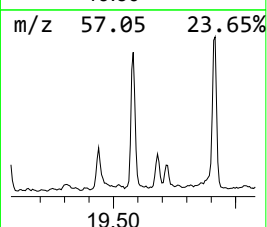
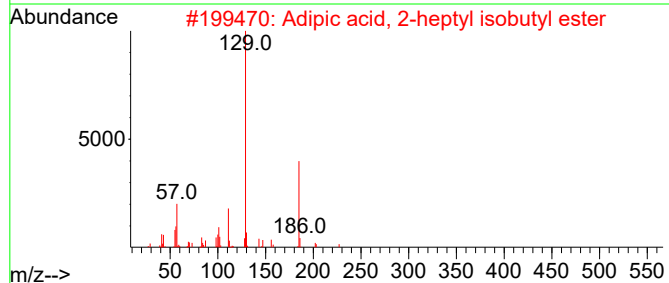
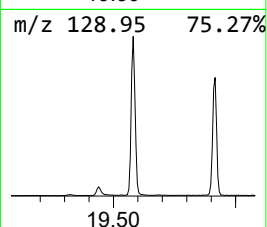
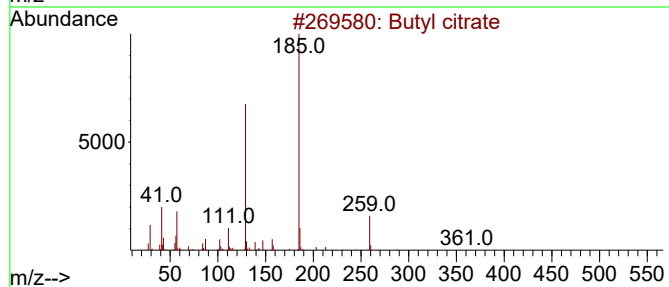
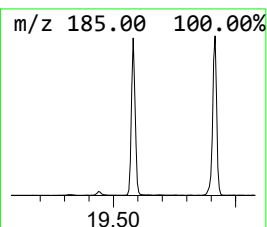
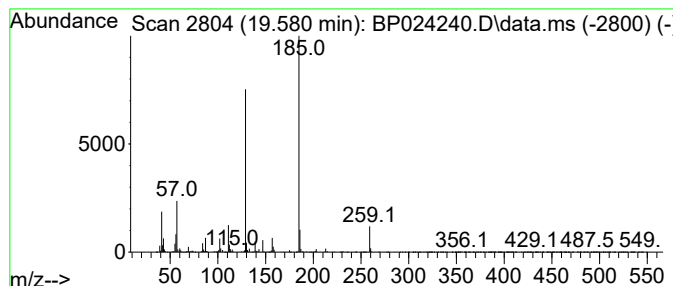
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Butyl citrate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.580	3.18 ng	768787	Chrysene-d12	21.622

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butyl citrate	360	C18H32O7	000077-94-1	91
2			Adipic acid, 2-heptyl isobutyl e...	300	C17H32O4	1000353-64-3	64
3			Tributyl acetylcitrate	402	C20H34O8	000077-90-7	59
4			Adipic acid, 3,3-dimethylbut-2-y...	286	C16H30O4	1000353-66-7	56
5			Adipic acid, 4-bromophenyl butyl...	356	C16H21BrO4	1000324-37-9	56



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ClientSampleId :
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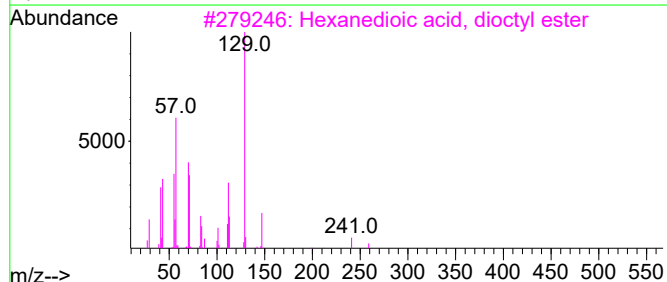
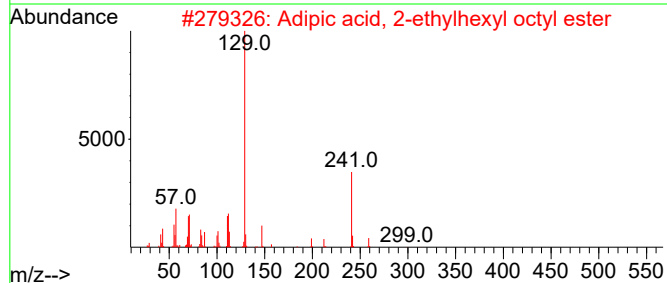
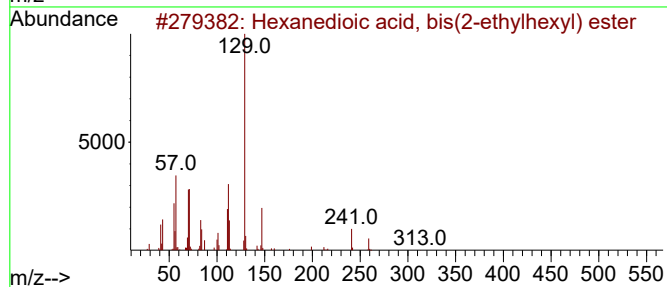
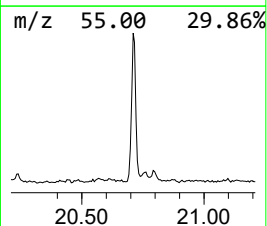
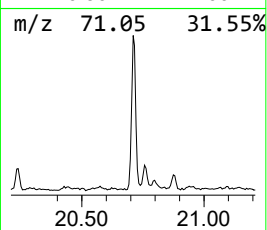
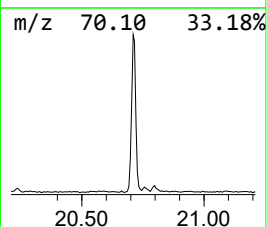
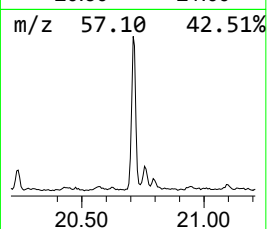
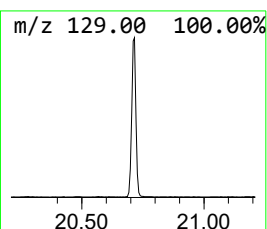
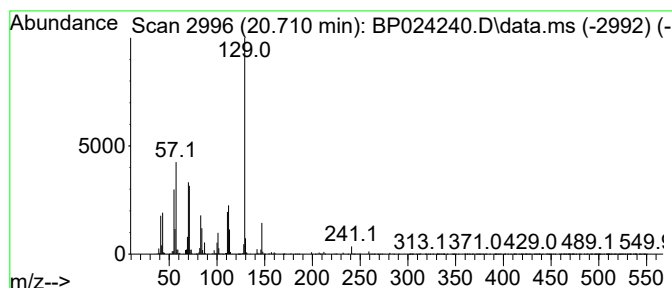
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Hexanedioic acid, bis(2-eth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.710	4.26 ng	1030220	Chrysene-d12	21.622

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
2			Adipic acid, 2-ethylhexyl octyl ...	370	C22H42O4	1000324-48-6	90
3			Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	70
4			Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	64
5			Adipic acid, 2-ethylhexyl isobut...	314	C18H34O4	1010324-48-0	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
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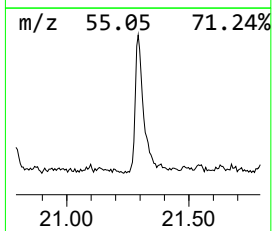
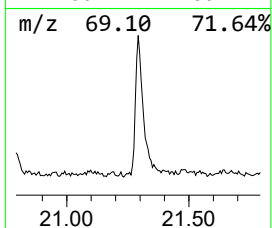
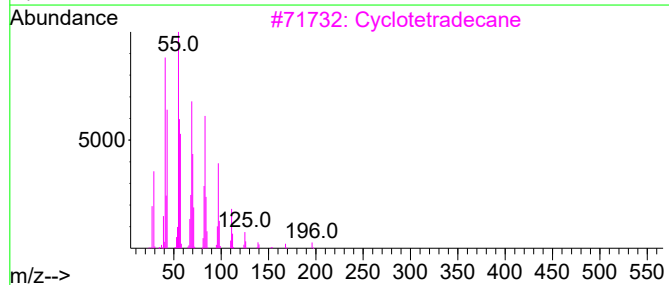
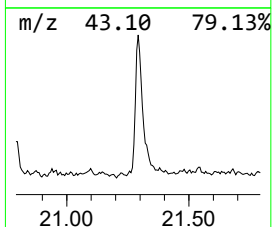
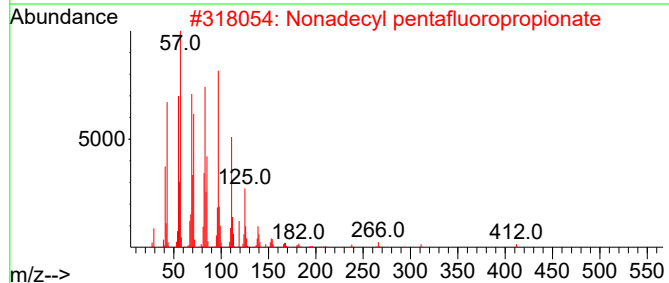
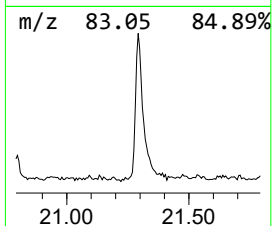
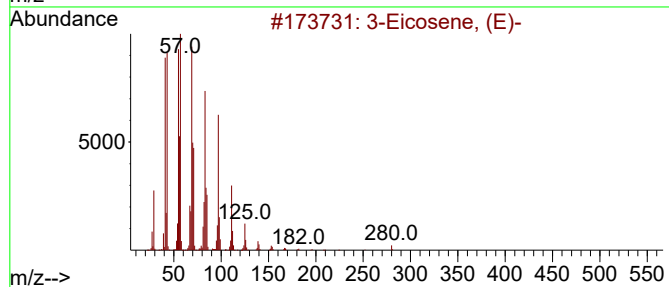
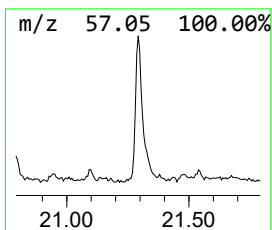
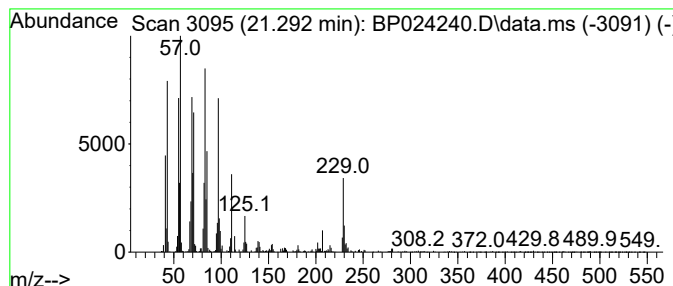
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 3-Eicosene, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
21.292	2.02 ng	487454	Chrysene-d12		21.622	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-		280	C20H40	074685-33-9	96
2	Nonadecyl pentafluoropropionate		430	C22H39F5O2	1000351-88-8	87
3	Cyclotetradecane		196	C14H28	000295-17-0	81
4	Heptafluorobutyric acid, pentade...		424	C19H31F7O2	959261-23-5	76
5	Heptadecyl heptafluorobutyrate		452	C21H35F7O2	959085-66-6	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
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BNA_P
ClientSampleId :
B-149-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.899	9.5	ng	739410	1	7.740	1563770	20.0
Benzophenone	15.751	7.7	ng	1129670	3	14.375	2922780	20.0
n-Hexadecanoic ...	18.116	5.7	ng	977827	4	17.175	3441650	20.0
Butyl citrate	19.580	3.2	ng	768787	5	21.622	4831750	20.0
Hexanedioic aci...	20.710	4.3	ng	1030220	5	21.622	4831750	20.0
3-Eicosene, (E)-	21.292	2.0	ng	487454	5	21.622	4831750	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049868.D
Acq On : 09 Apr 2025 15:05
Operator : RC/JU
Sample : Q1746-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

Quant Time: Apr 09 15:55:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

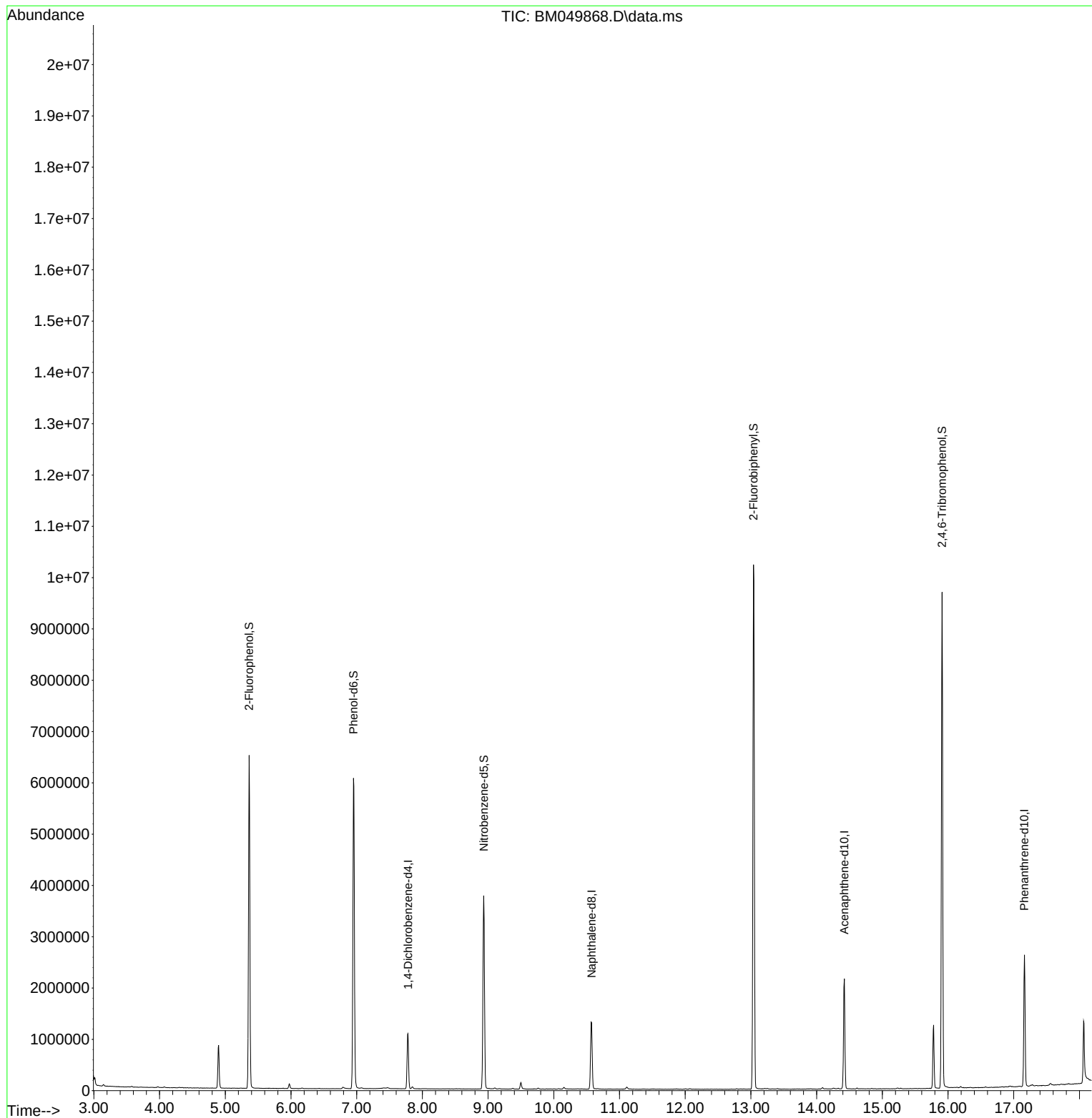
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	322464	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1148080	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	770952	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1525445	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1431866	20.000	ng	0.00
86) Perylene-d12	24.397	264	1579355	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2892852	152.336	ng	0.00
7) Phenol-d6	6.951	99	3668334	155.260	ng	0.00
23) Nitrobenzene-d5	8.934	82	2156634	104.603	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1983101	176.845	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	5729173	100.769	ng	0.00
79) Terphenyl-d14	19.792	244	8296901	108.591	ng	0.00
Target Compounds						Qvalue
83) Chrysene	21.439	228	199224	2.202	ng	99
88) Benzo(b)fluoranthene	23.450	252	292483	2.900	ng	# 97
89) Benzo(k)fluoranthene	23.509	252	255087	2.610	ng	# 96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049868.D
Acq On : 09 Apr 2025 15:05
Operator : RC/JU
Sample : Q1746-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

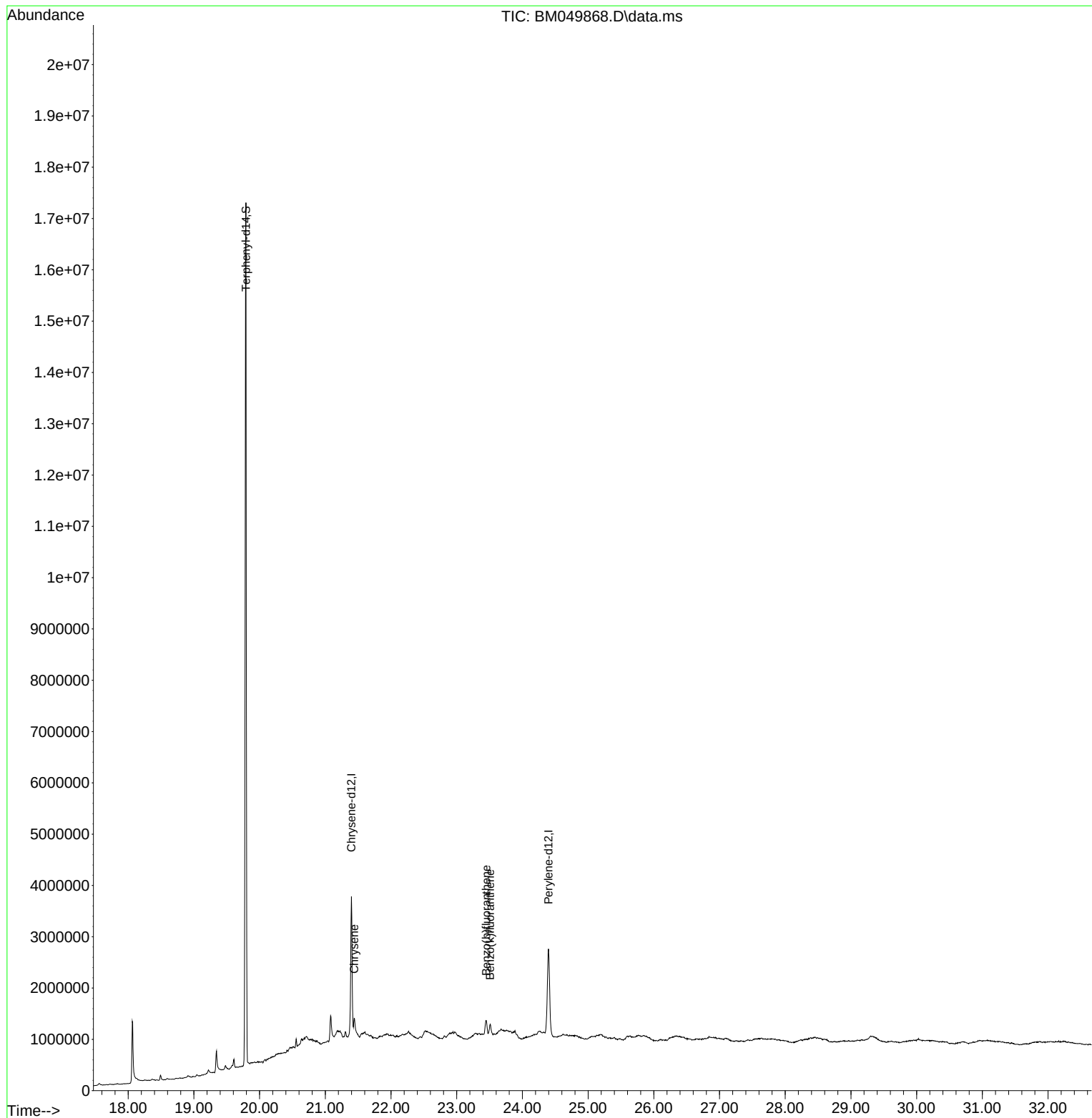
Quant Time: Apr 09 15:55:43 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

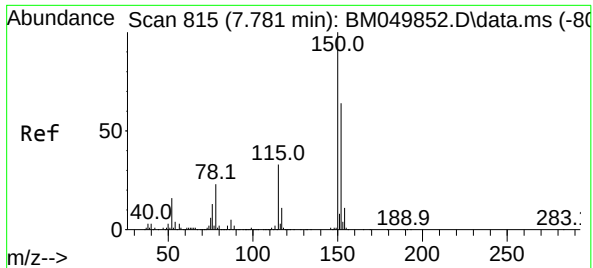


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049868.D
Acq On : 09 Apr 2025 15:05
Operator : RC/JU
Sample : Q1746-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

Quant Time: Apr 09 15:55:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

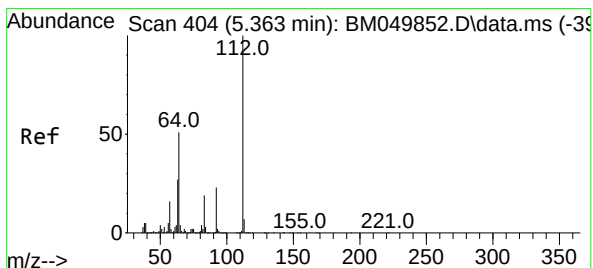
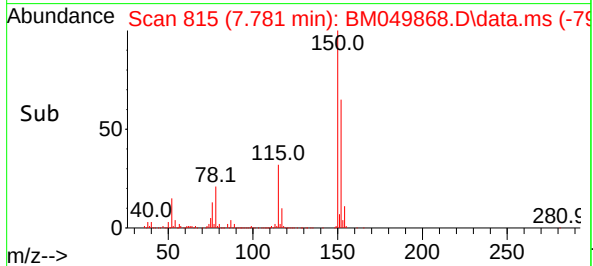
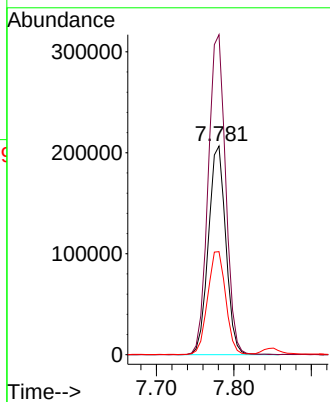
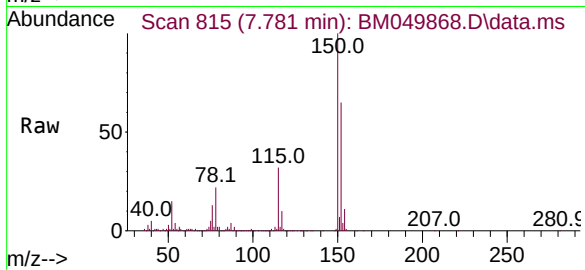




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 815
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

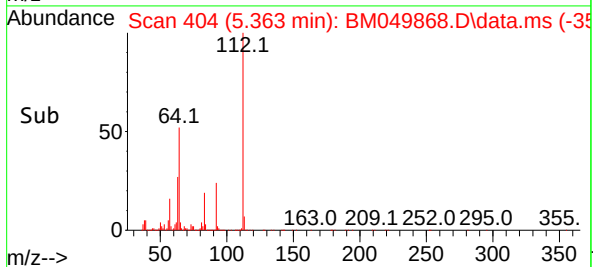
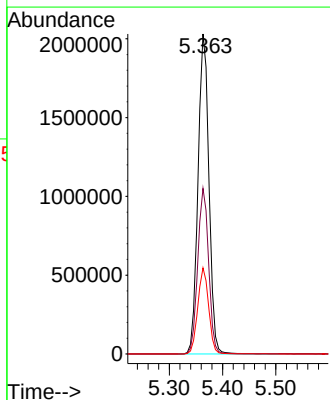
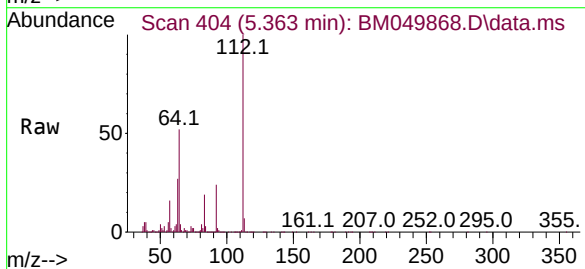
Instrument :
BNA_M
ClientSampleId :
B-149-SB02

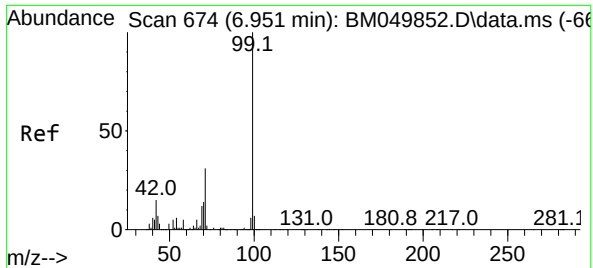
Tgt Ion:152 Resp: 322464
Ion Ratio Lower Upper
152 100
150 153.3 124.3 186.5
115 49.4 41.1 61.7



#5
2-Fluorophenol
Concen: 152.336 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:112 Resp: 2892852
Ion Ratio Lower Upper
112 100
64 51.8 41.0 61.6
63 26.9 21.5 32.3

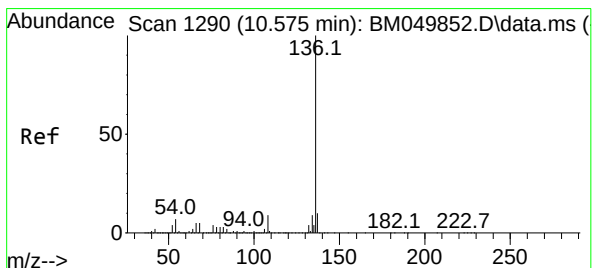
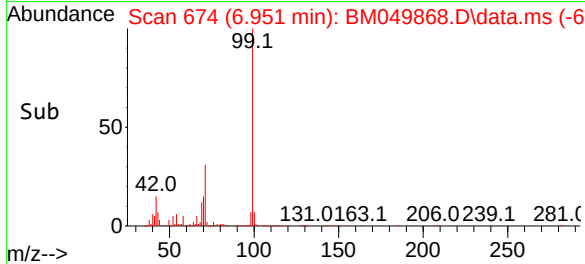
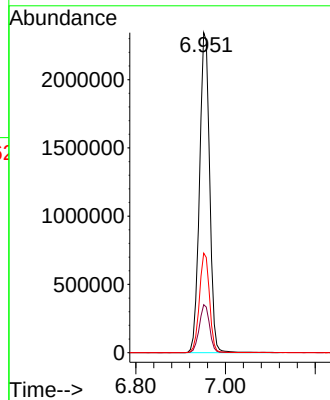
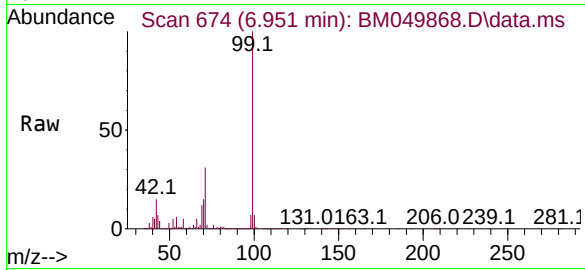




#7
Phenol-d6
Concen: 155.260 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

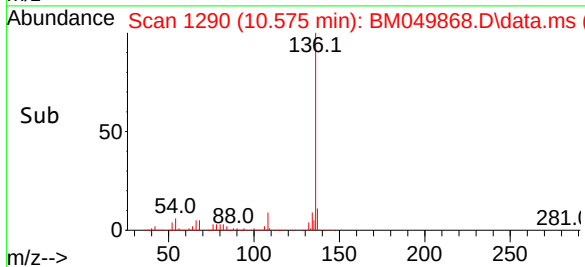
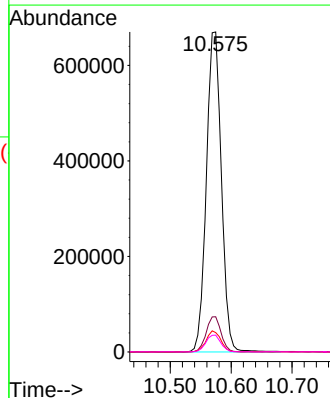
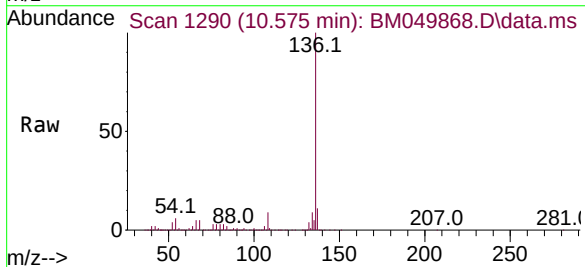
Instrument :
BNA_M
ClientSampleId :
B-149-SB02

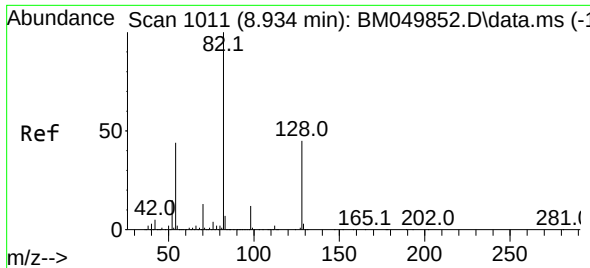
Tgt Ion: 99 Resp: 3668334
Ion Ratio Lower Upper
99 100
42 15.0 12.1 18.1
71 31.1 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion: 136 Resp: 1148080
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 6.1 5.3 7.9
68 5.3 4.3 6.5

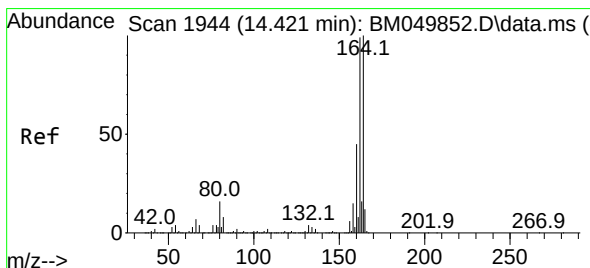
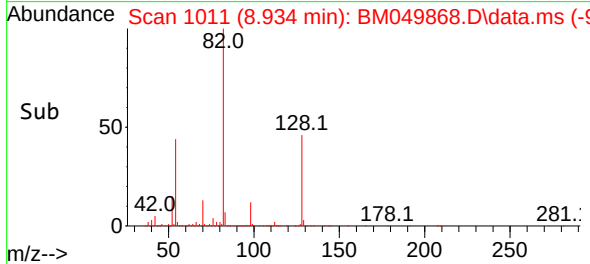
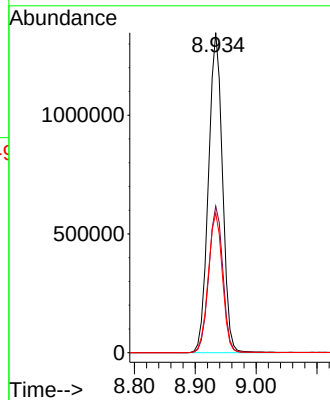
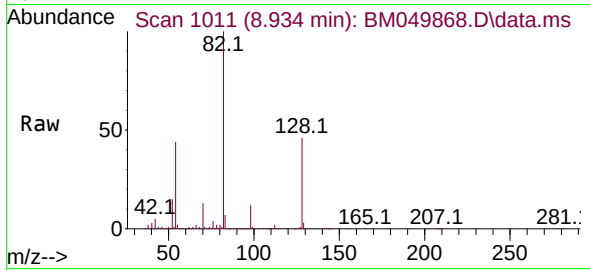




#23
Nitrobenzene-d5
Concen: 104.603 ng
RT: 8.934 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

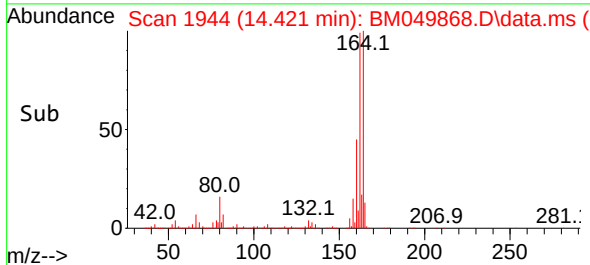
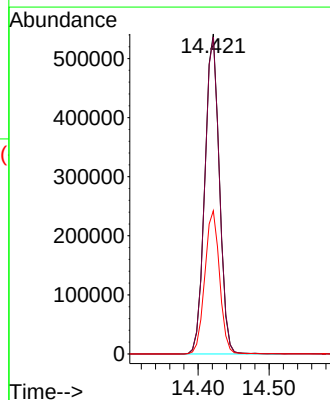
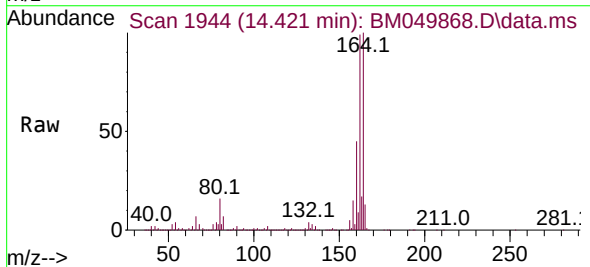
Instrument :
BNA_M
ClientSampleId :
B-149-SB02

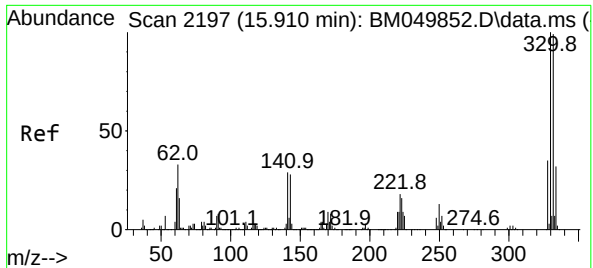
Tgt Ion: 82 Resp: 2156634
Ion Ratio Lower Upper
82 100
128 45.8 36.2 54.2
54 43.6 35.0 52.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:164 Resp: 770952
Ion Ratio Lower Upper
164 100
162 99.0 79.4 119.0
160 44.8 36.2 54.2

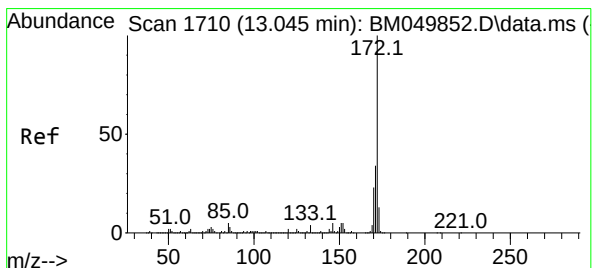
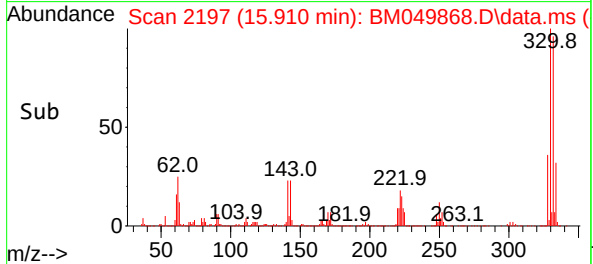
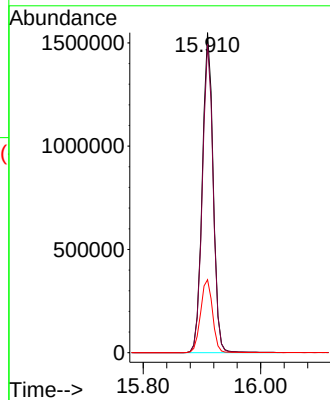
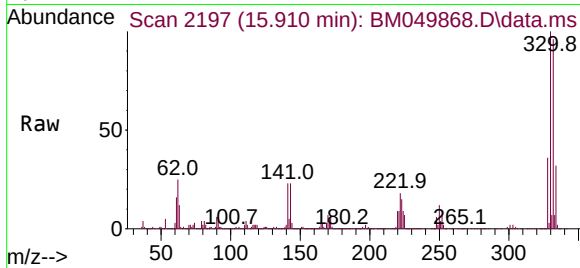




#42
2,4,6-Tribromophenol
Concen: 176.845 ng
RT: 15.910 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

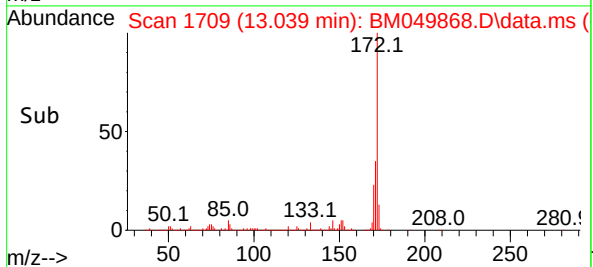
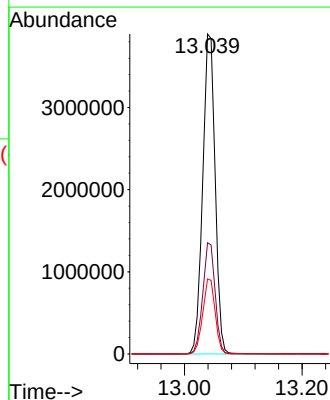
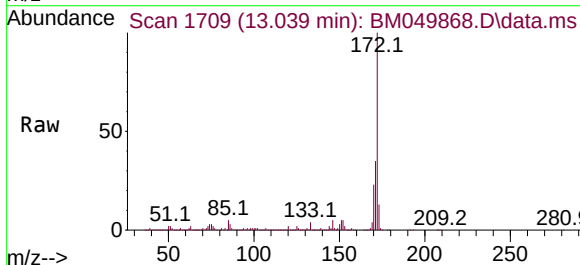
Instrument :
BNA_M
ClientSampleId :
B-149-SB02

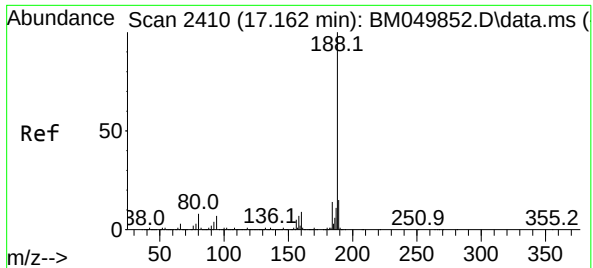
Tgt Ion:330 Resp: 1983101
Ion Ratio Lower Upper
330 100
332 96.2 78.0 117.0
141 25.0 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 100.769 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:172 Resp: 5729173
Ion Ratio Lower Upper
172 100
171 34.8 27.4 41.2
170 23.5 18.6 28.0

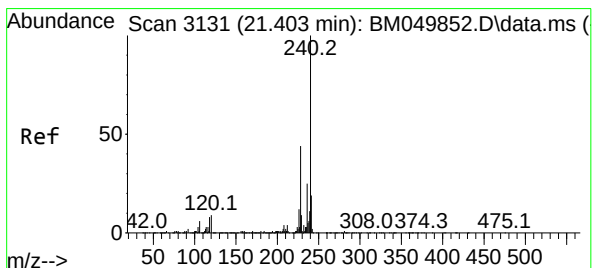
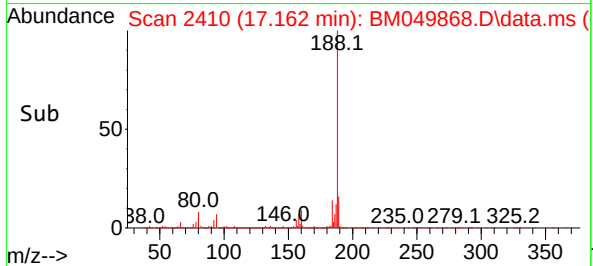
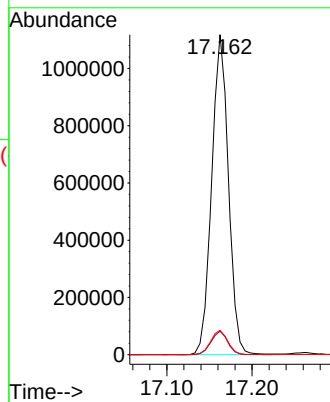
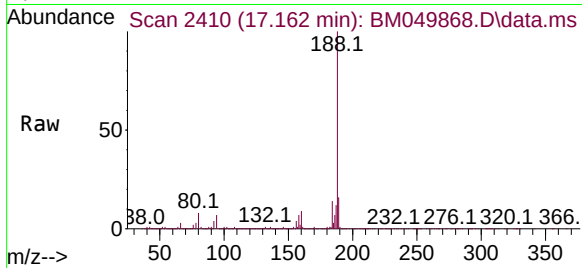




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

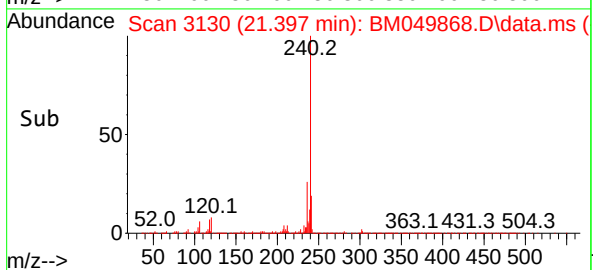
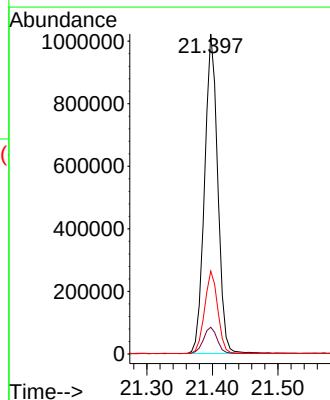
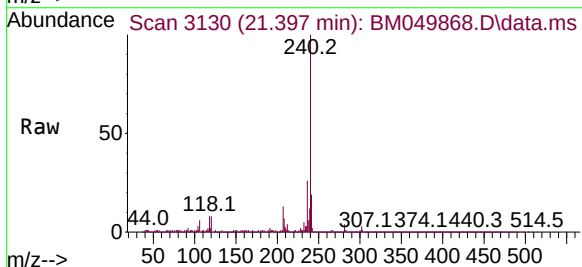
Instrument :
BNA_M
ClientSampleId :
B-149-SB02

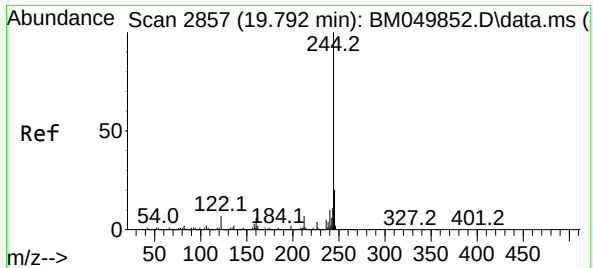
Tgt Ion:188 Resp: 1525445
Ion Ratio Lower Upper
188 100
94 7.4 5.8 8.6
80 7.6 6.4 9.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:240 Resp: 1431866
Ion Ratio Lower Upper
240 100
120 8.3 6.9 10.3
236 25.9 20.4 30.6

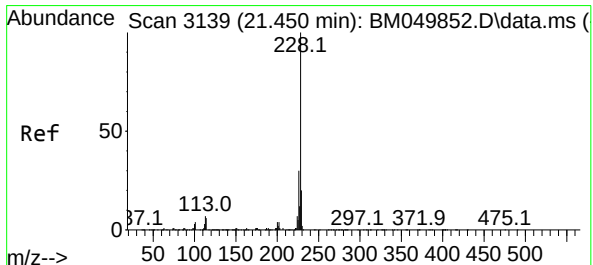
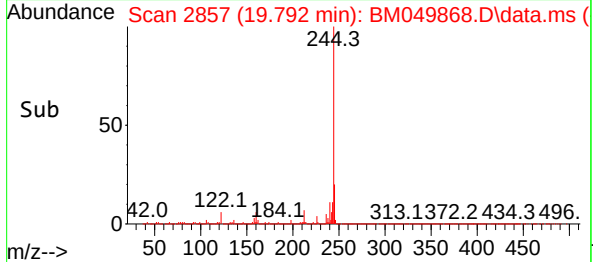
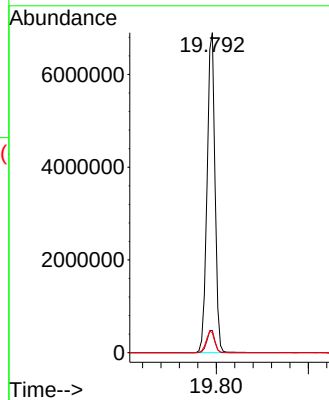
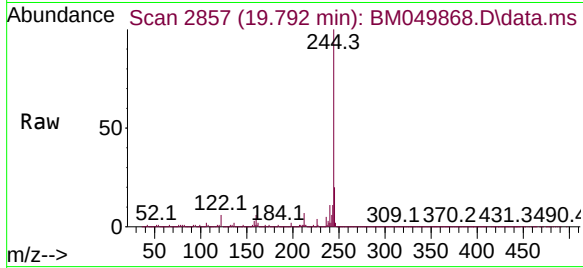




#79
Terphenyl-d14
Concen: 108.591 ng
RT: 19.792 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

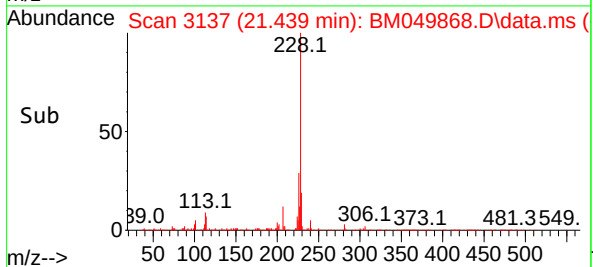
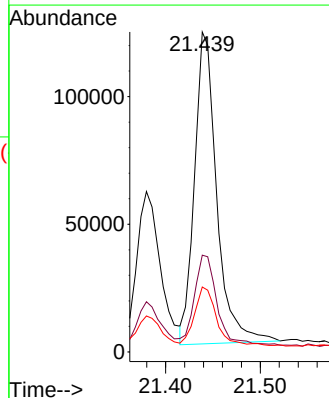
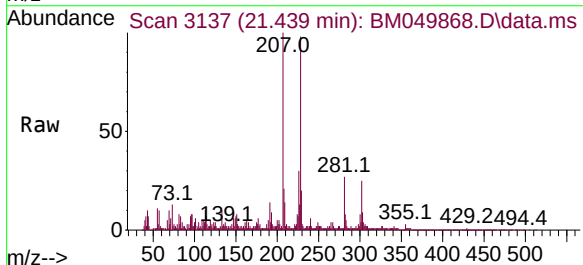
Instrument :
BNA_M
ClientSampleId :
B-149-SB02

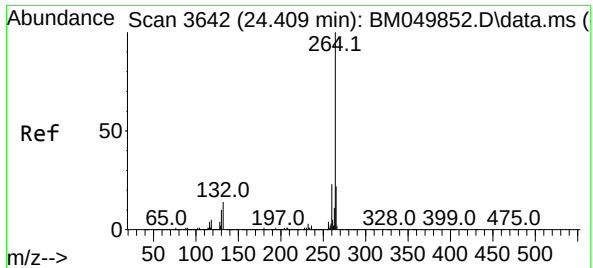
Tgt Ion:244 Resp: 8296901
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 6.2 5.4 8.0



#83
Chrysene
Concen: 2.202 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:228 Resp: 199224
Ion Ratio Lower Upper
228 100
226 30.3 24.1 36.1
229 20.3 15.8 23.6

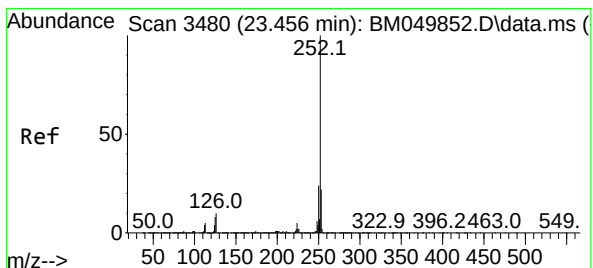
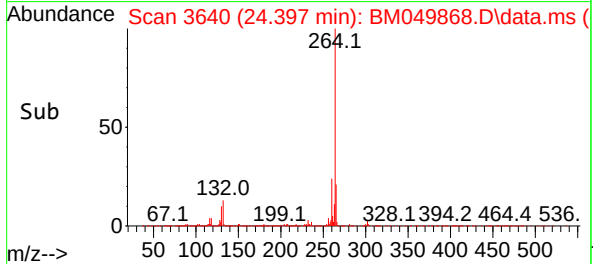
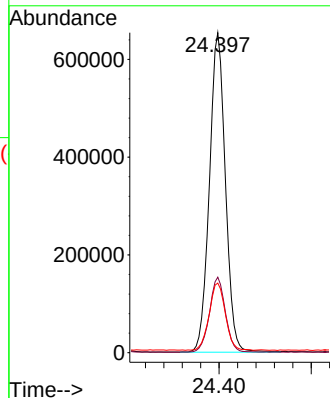
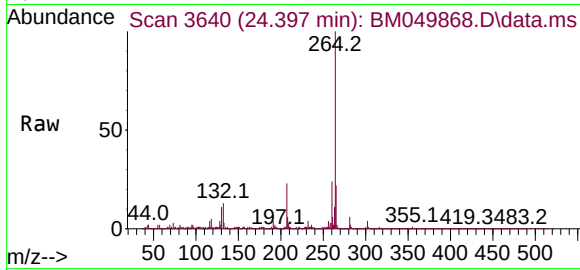




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 30
Delta R.T. -0.012 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

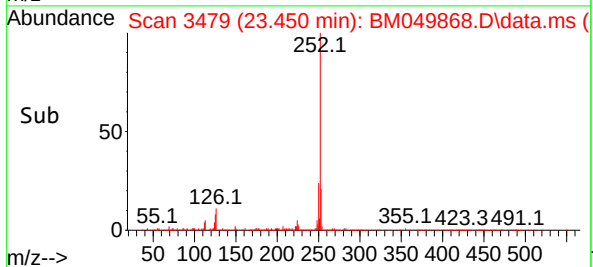
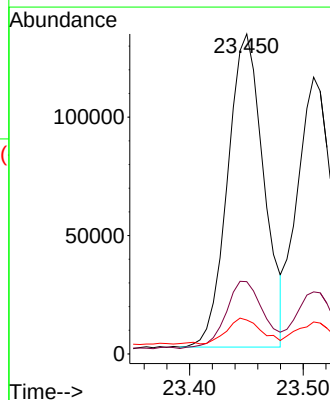
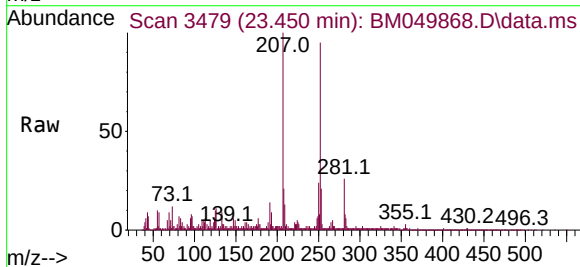
Instrument :
BNA_M
ClientSampleId :
B-149-SB02

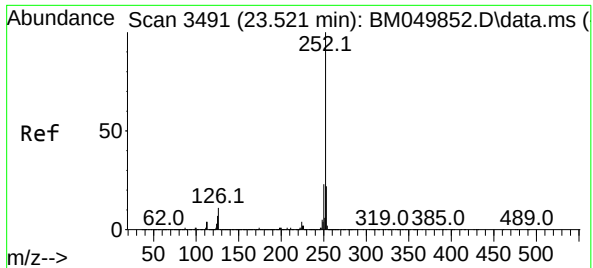
Tgt Ion:264 Resp: 1579355
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 21.8 17.8 26.8



#88
Benzo(b)fluoranthene
Concen: 2.900 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:252 Resp: 292483
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 10.6 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 2.610 ng

RT: 23.509 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM049868.D

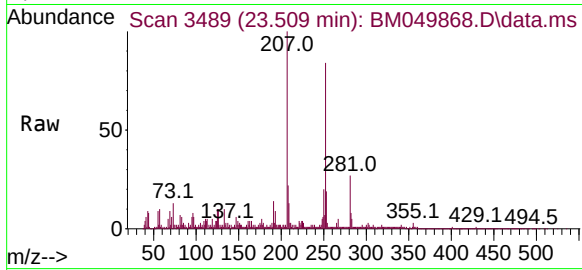
Acq: 09 Apr 2025 15:05

Instrument :

BNA_M

ClientSampleId :

B-149-SB02



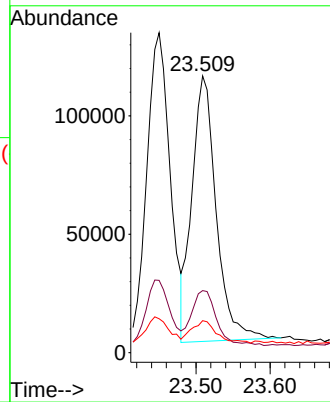
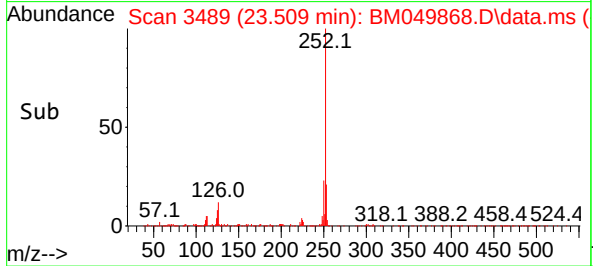
Tgt Ion:252 Resp: 255087

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 11.5 5.8 8.8#



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049868.D
Acq On : 09 Apr 2025 15:05
Operator : RC/JU
Sample : Q1746-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049868.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.898	319	325	333	rVB	836722	1167673	5.68%	1.183%
2	5.363	397	404	421	rBV	6491424	9235392	44.90%	9.353%
3	6.951	667	674	689	rBV	6050820	9739153	47.35%	9.864%
4	7.781	808	815	822	rBV	1075610	1711934	8.32%	1.734%
5	8.934	1003	1011	1022	rBV	3767301	6067154	29.50%	6.145%
6	9.498	1101	1107	1115	rBV	127286	205984	1.00%	0.209%
7	10.569	1282	1289	1298	rBV	1309087	2241002	10.89%	2.270%
8	13.039	1702	1709	1722	rBV	10226591	15050381	73.17%	15.243%
9	14.421	1935	1944	1953	rBV	2146658	3128350	15.21%	3.168%
10	15.780	2168	2175	2180	rBV	1237394	1647178	8.01%	1.668%
11	15.910	2189	2197	2217	rBV	9669961	12949492	62.95%	13.115%
12	17.162	2404	2410	2421	rBV2	2564725	3547430	17.25%	3.593%
13	18.062	2558	2563	2578	rBV	1206746	2015496	9.80%	2.041%
14	19.345	2777	2781	2789	rBV	401179	647957	3.15%	0.656%
15	19.792	2851	2857	2862	rBV	16816039	20569600	100.00%	20.833%
16	21.080	3073	3076	3085	rBV	452092	781321	3.80%	0.791%
17	21.397	3125	3130	3135	rBV	2622489	3725512	18.11%	3.773%
18	24.397	3633	3640	3654	rVB	1717128	4306655	20.94%	4.362%

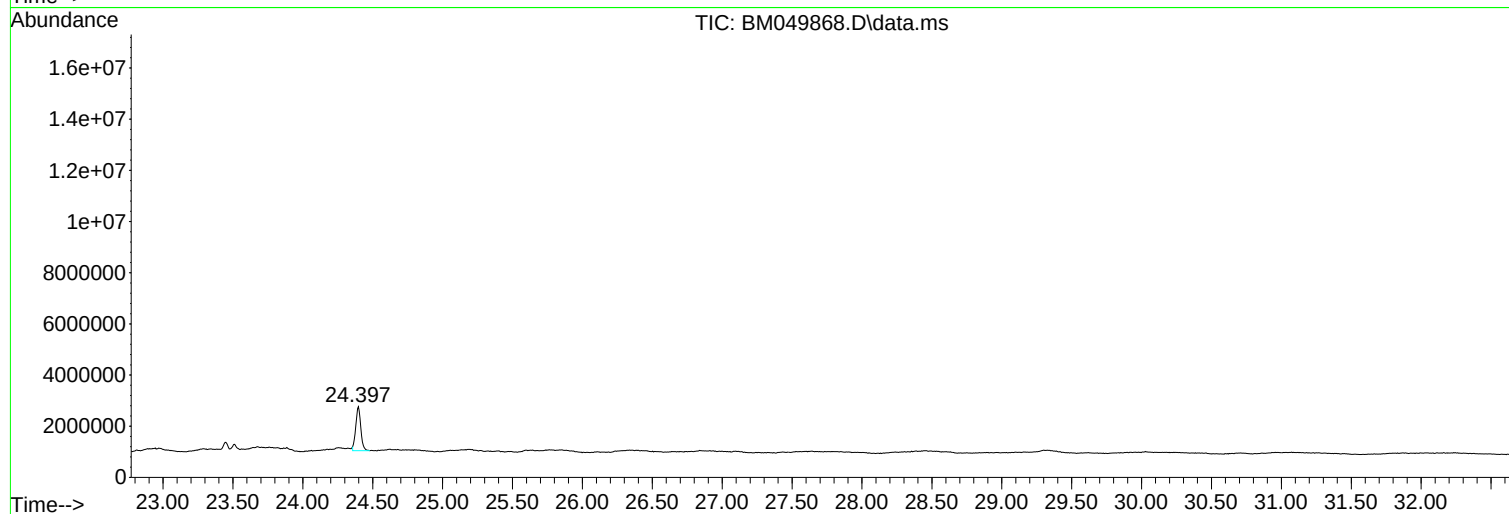
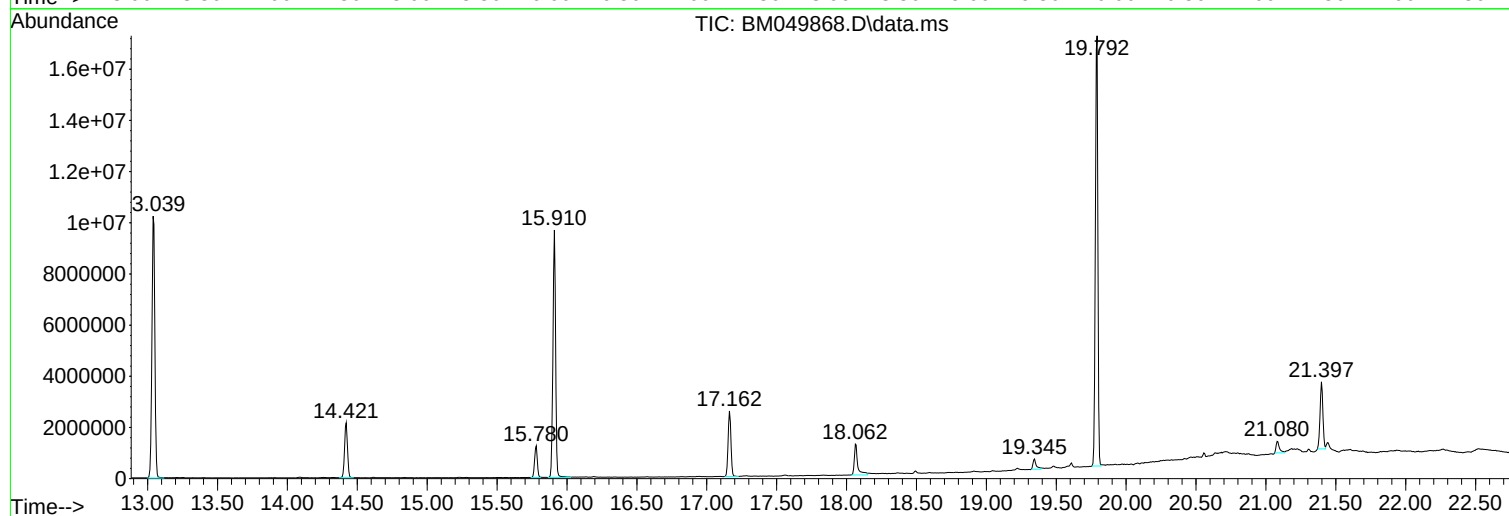
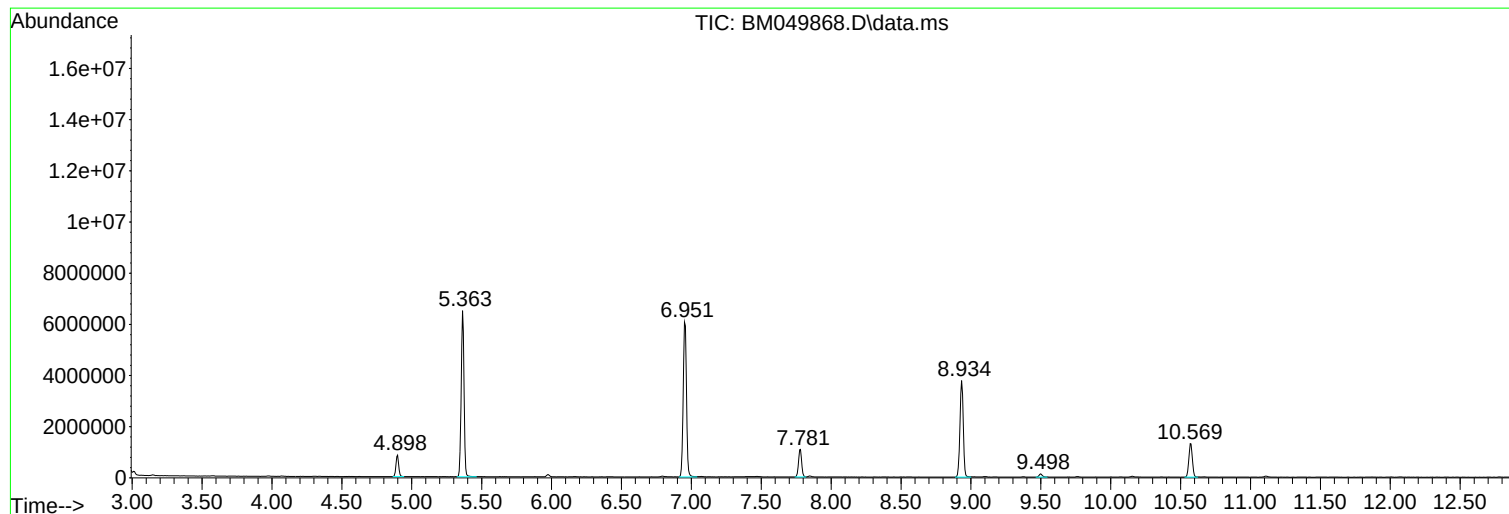
Sum of corrected areas: 98737664

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049868.D
Acq On : 09 Apr 2025 15:05
Operator : RC/JU
Sample : Q1746-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049868.D
Acq On : 09 Apr 2025 15:05
Operator : RC/JU
Sample : Q1746-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

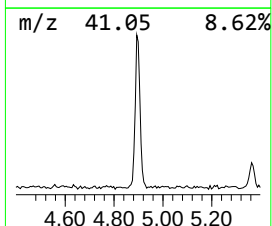
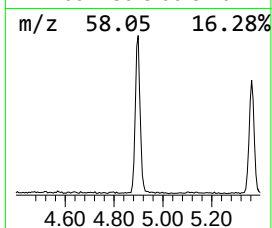
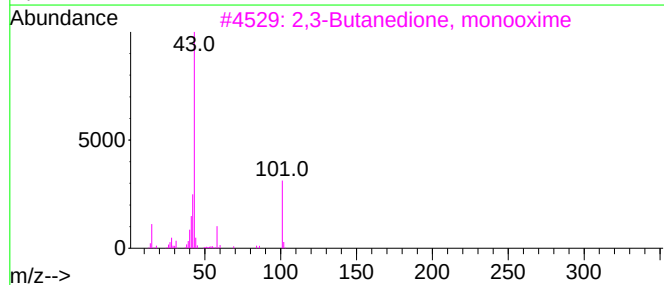
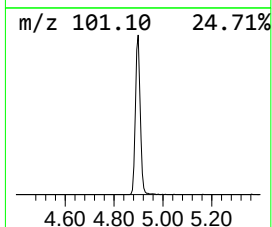
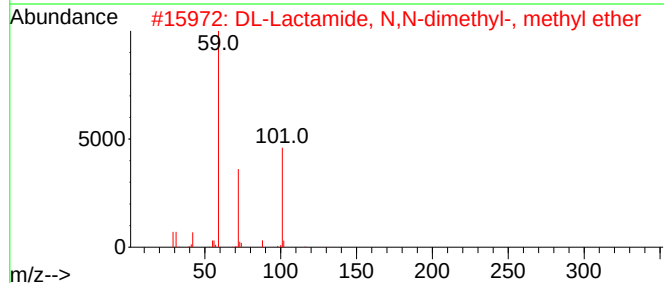
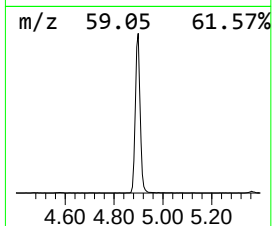
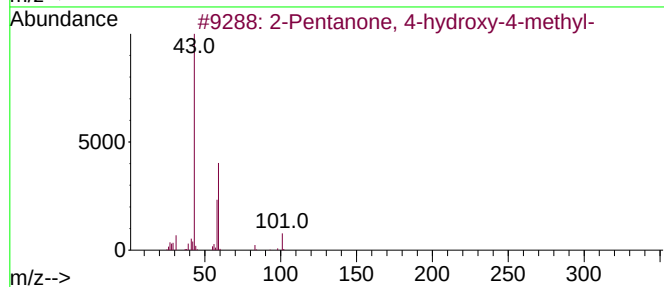
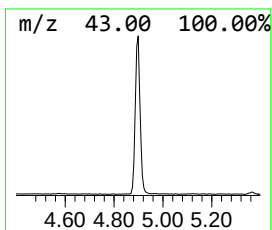
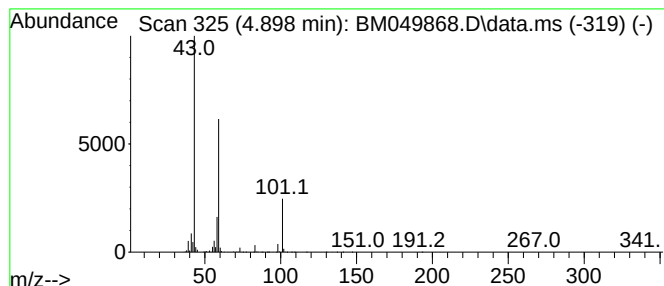
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.898	13.64 ng	1167670	1,4-Dichlorobenzene-d4	7.781

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2			DL-Lactamide, N,N-dimethyl-, met...	131	C6H13NO2	1000452-57-0	33
3			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4			1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	25
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049868.D
Acq On : 09 Apr 2025 15:05
Operator : RC/JU
Sample : Q1746-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

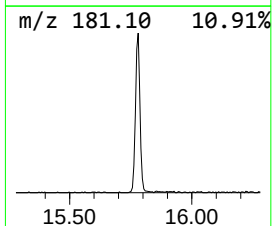
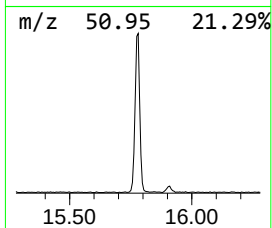
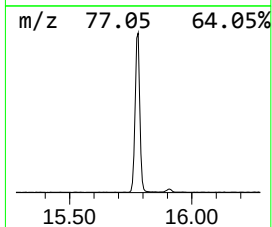
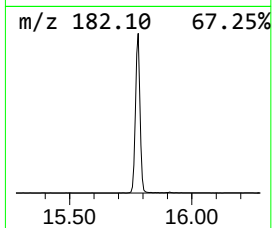
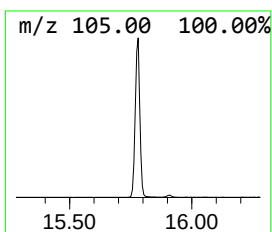
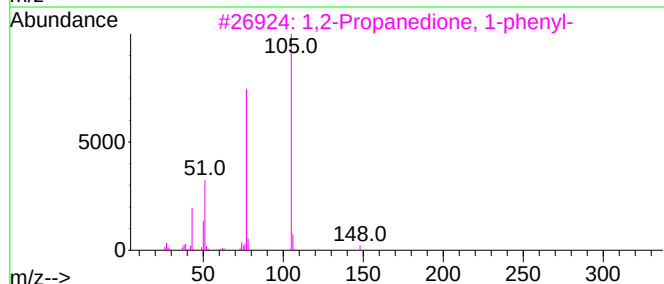
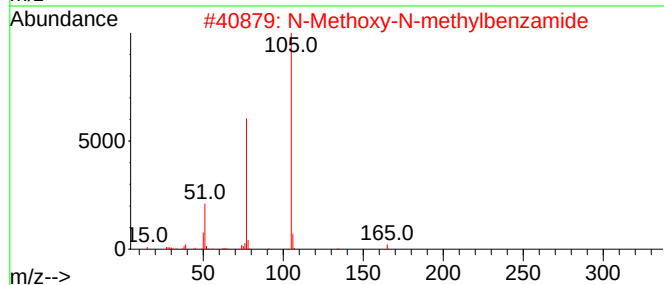
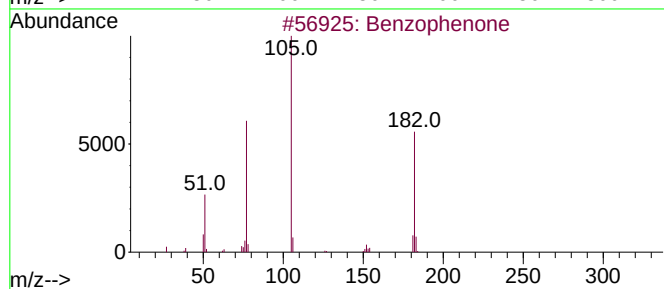
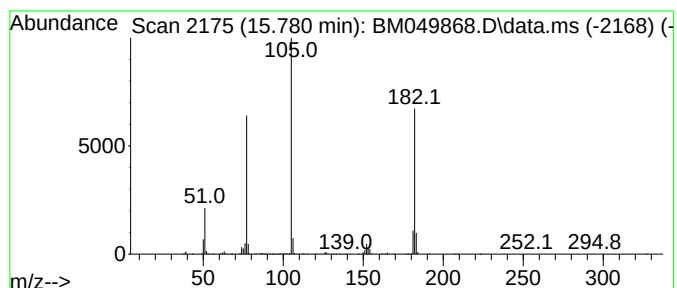
Instrument :
BNA_M
ClientSampleId :
B-149-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.780	10.53 ng	1647180	Acenaphthene-d10	14.421	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	43
3	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	43
4	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	43
5	Ethanone, 2-hydroxy-1-phenyl-	136	C8H8O2	000582-24-1	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049868.D
Acq On : 09 Apr 2025 15:05
Operator : RC/JU
Sample : Q1746-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

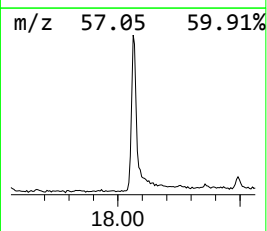
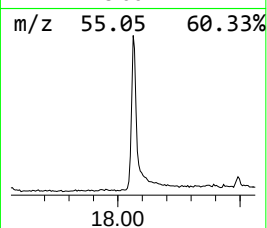
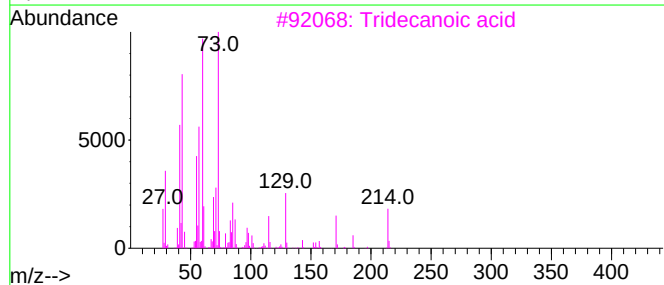
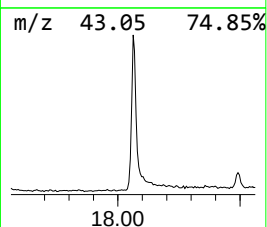
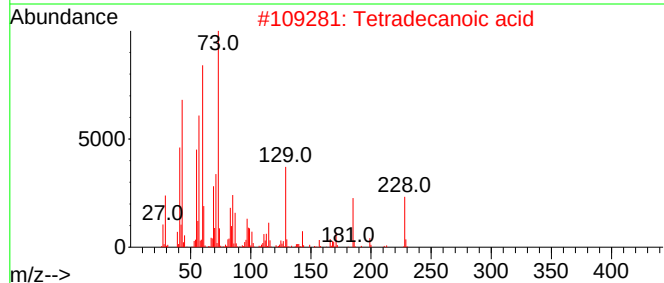
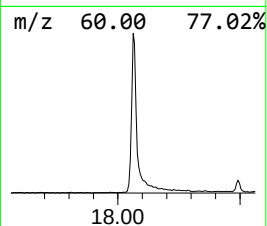
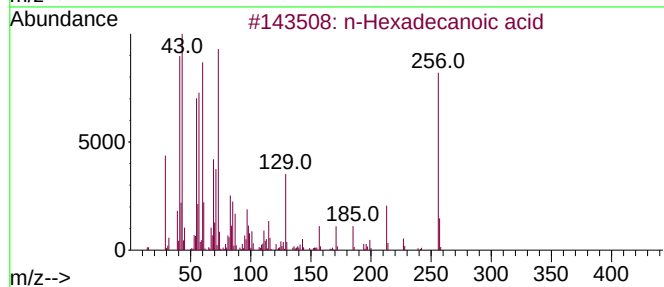
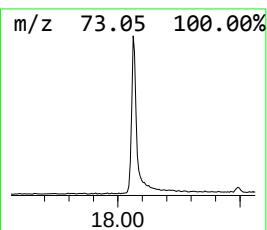
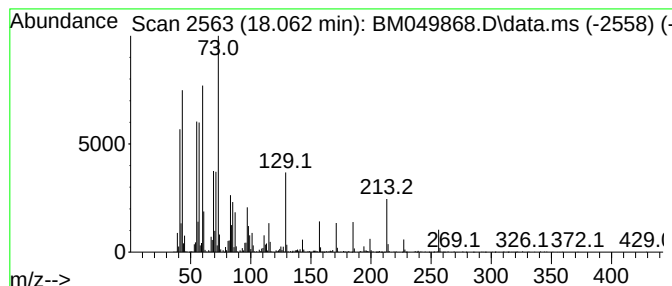
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.062	11.36 ng	2015500	Phenanthrene-d10	17.162

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3		Tridecanoic acid	214	C13H26O2	000638-53-9	90
4		Octadecanoic acid	284	C18H36O2	000057-11-4	81
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049868.D
Acq On : 09 Apr 2025 15:05
Operator : RC/JU
Sample : Q1746-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

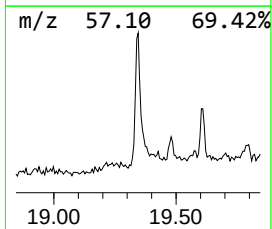
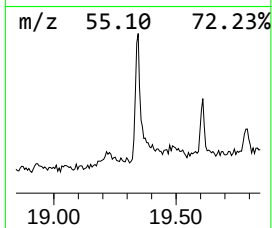
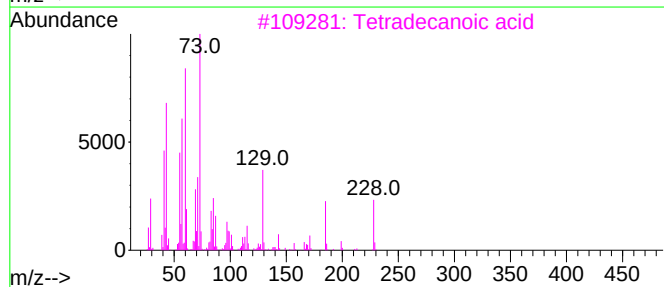
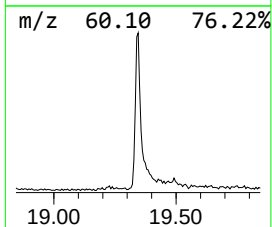
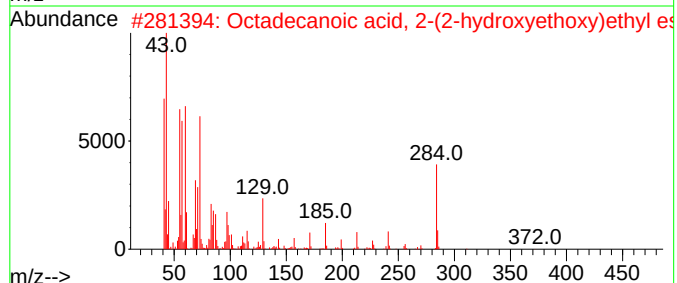
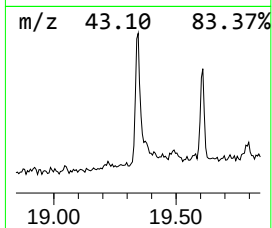
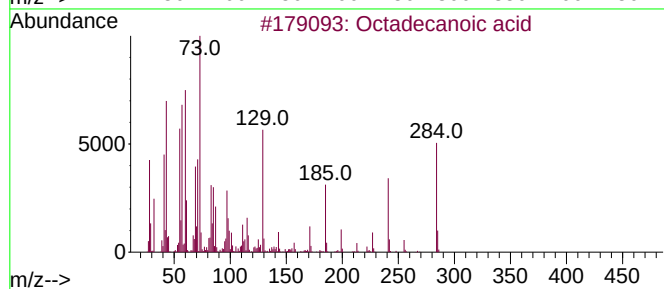
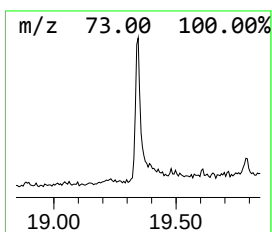
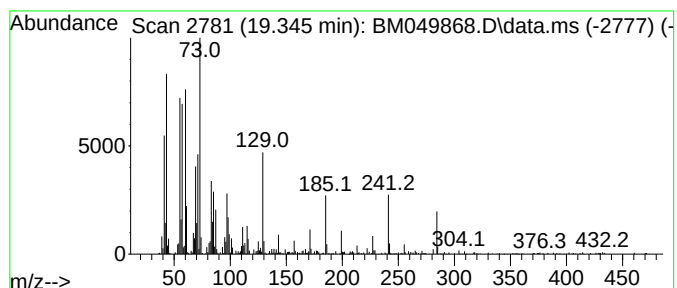
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.345	3.48 ng	647957	Chrysene-d12	21.397

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	68
4			Undecanoic acid	186	C11H22O2	000112-37-8	68
5			n-Decanoic acid	172	C10H20O2	000334-48-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049868.D
Acq On : 09 Apr 2025 15:05
Operator : RC/JU
Sample : Q1746-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

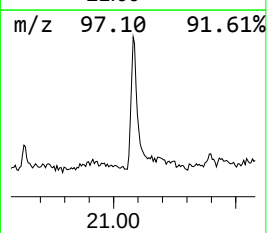
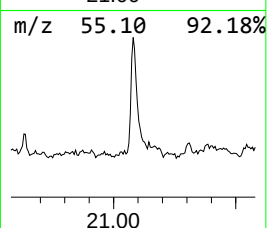
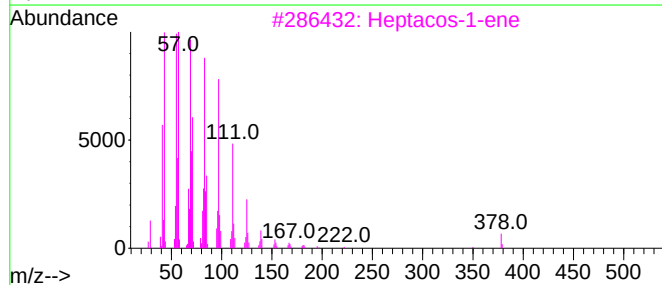
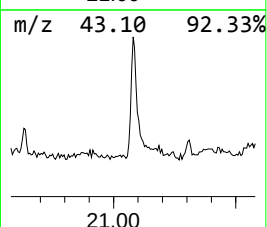
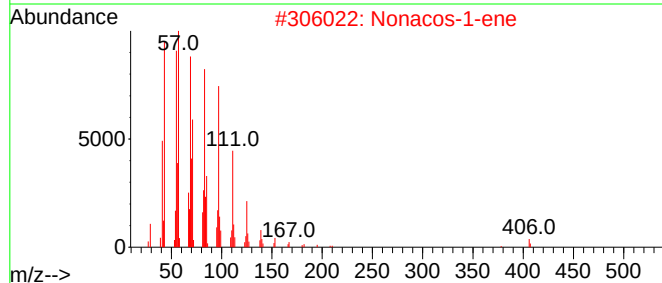
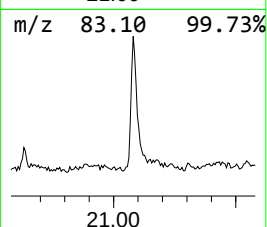
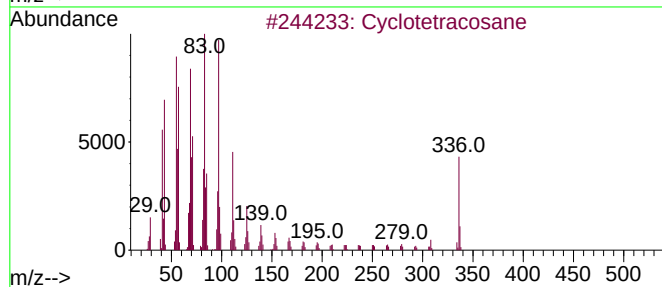
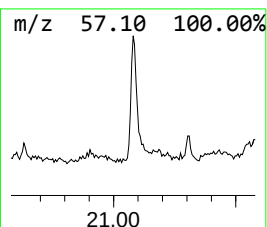
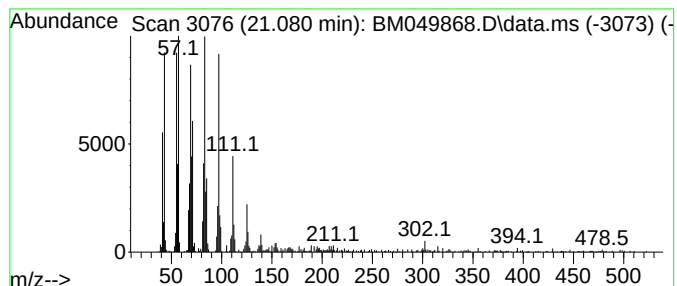
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Cyclotetracosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.080	4.19 ng	781321	Chrysene-d12	21.397

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclotetracosane	336	C24H48	000297-03-0	99
2			Nonacos-1-ene	406	C29H58	018835-35-3	94
3			Heptacos-1-ene	378	C27H54	015306-27-1	94
4			n-Tetracosanol-1	354	C24H50O	000506-51-4	94
5			1-Heneicosanol	312	C21H44O	015594-90-8	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049868.D
Acq On : 09 Apr 2025 15:05
Operator : RC/JU
Sample : Q1746-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.898	13.6	ng	1167670	1	7.781	1711930	20.0
Benzophenone	15.780	10.5	ng	1647180	3	14.421	3128350	20.0
n-Hexadecanoic ...	18.062	11.4	ng	2015500	4	17.162	3547430	20.0
Octadecanoic acid	19.345	3.5	ng	647957	5	21.397	3725510	20.0
Cyclotetracosane	21.080	4.2	ng	781321	5	21.397	3725510	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024252.D
Acq On : 10 Apr 2025 14:36
Operator : RC/JU
Sample : Q1746-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-GW01

Quant Time: Apr 10 15:01:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	262571	20.000	ng	0.00
21) Naphthalene-d8	10.516	136	1031585	20.000	ng	-0.01
39) Acenaphthene-d10	14.369	164	601225	20.000	ng	-0.02
64) Phenanthrene-d10	17.175	188	1138233	20.000	ng	-0.02
76) Chrysene-d12	21.616	240	1210776	20.000	ng	-0.03
86) Perylene-d12	24.974	264	1465709	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	610148	37.094	ng	0.00
7) Phenol-d6	6.916	99	505067	22.961	ng	-0.01
23) Nitrobenzene-d5	8.881	82	1201824	65.732	ng	-0.01
42) 2,4,6-Tribromophenol	15.887	330	634476	83.779	ng	-0.01
45) 2-Fluorobiphenyl	12.981	172	2505509	61.449	ng	-0.02
79) Terphenyl-d14	19.892	244	3422578	58.351	ng	-0.02

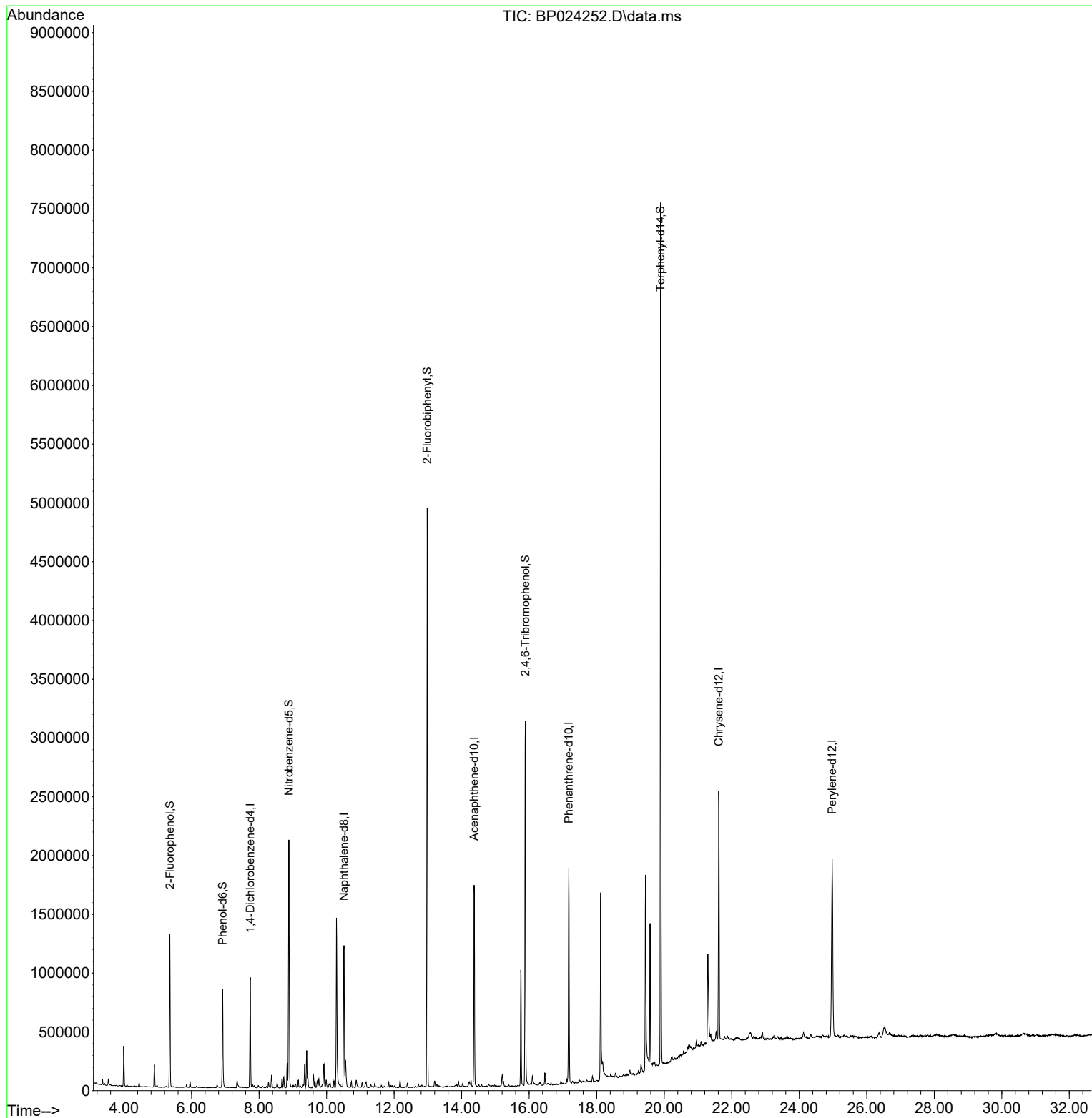
Target Compounds	Qvalue

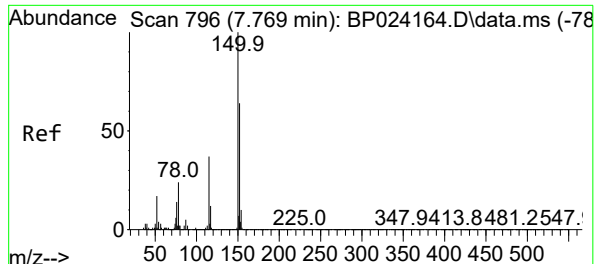
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024252.D
Acq On : 10 Apr 2025 14:36
Operator : RC/JU
Sample : Q1746-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-GW01

Quant Time: Apr 10 15:01:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

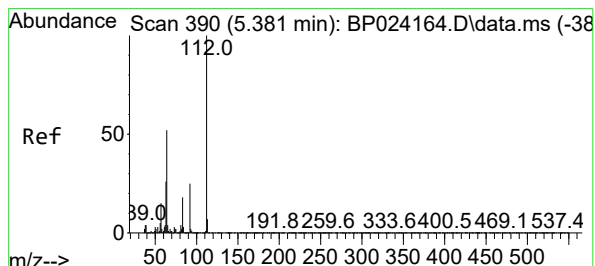
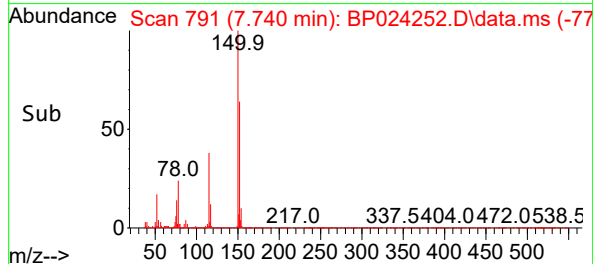
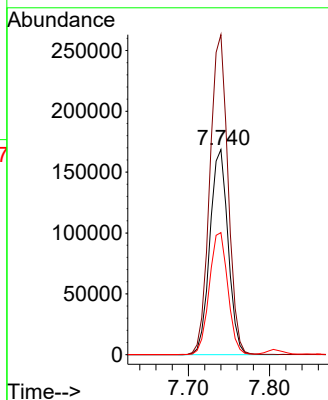
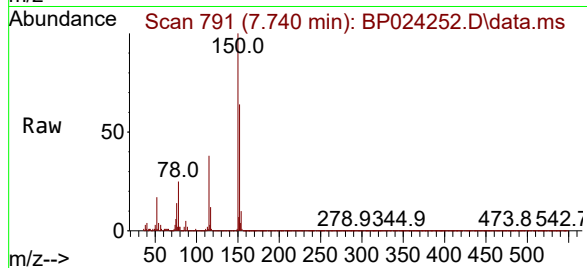




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 796
Delta R.T. -0.006 min
Lab File: BP024252.D
Acq: 10 Apr 2025 14:36

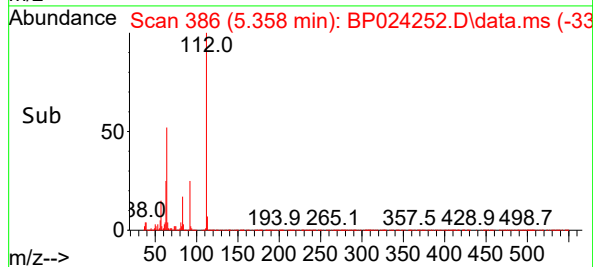
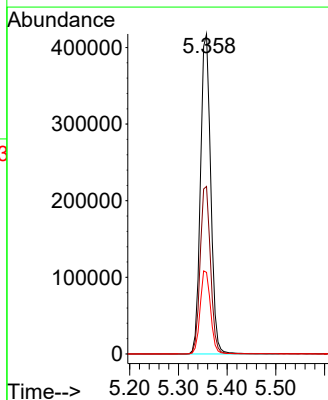
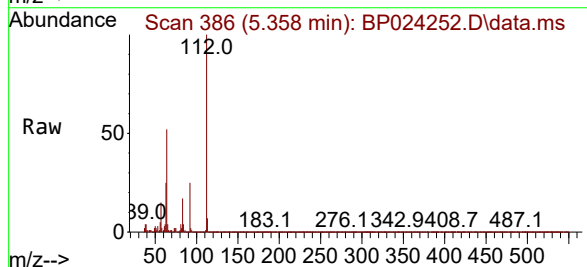
Instrument :
BNA_P
ClientSampleId :
B-158-GW01

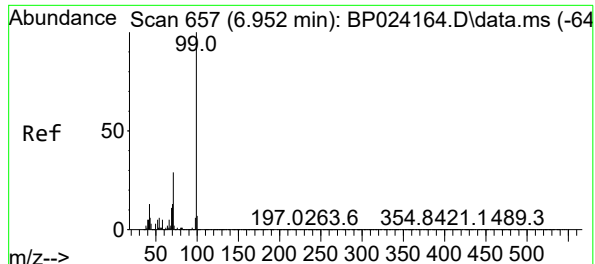
Tgt Ion:152 Resp: 262571
Ion Ratio Lower Upper
152 100
150 156.1 125.5 188.3
115 59.6 46.3 69.5



#5
2-Fluorophenol
Concen: 37.094 ng
RT: 5.358 min Scan# 386
Delta R.T. 0.000 min
Lab File: BP024252.D
Acq: 10 Apr 2025 14:36

Tgt Ion:112 Resp: 610148
Ion Ratio Lower Upper
112 100
64 52.4 41.3 61.9
63 25.5 20.6 31.0





#7

Phenol-d6

Concen: 22.961 ng

RT: 6.916 min Scan# 61

Delta R.T. -0.012 min

Lab File: BP024252.D

Acq: 10 Apr 2025 14:36

Instrument :

BNA_P

ClientSampleId :

B-158-GW01

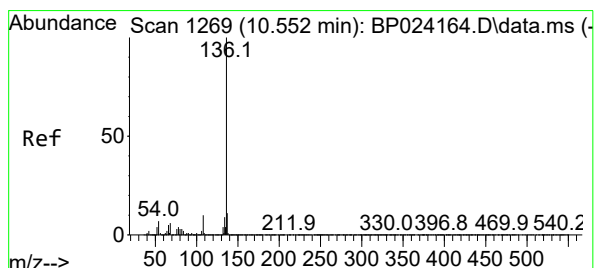
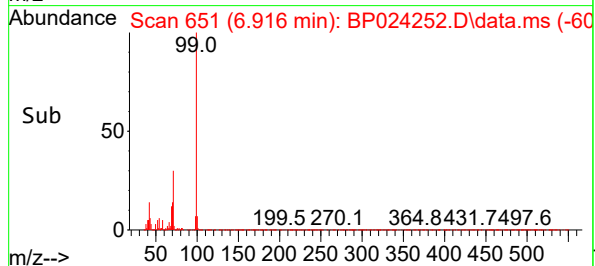
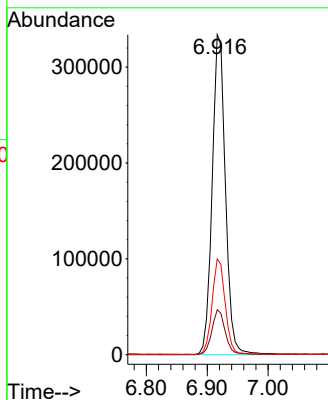
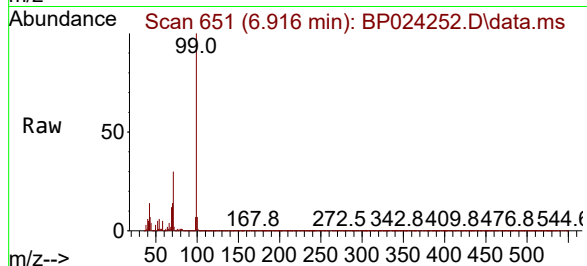
Tgt Ion: 99 Resp: 505067

Ion Ratio Lower Upper

99 100

42 14.1 10.6 16.0

71 29.9 23.3 34.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.516 min Scan# 1263

Delta R.T. -0.012 min

Lab File: BP024252.D

Acq: 10 Apr 2025 14:36

Tgt Ion:136 Resp: 1031585

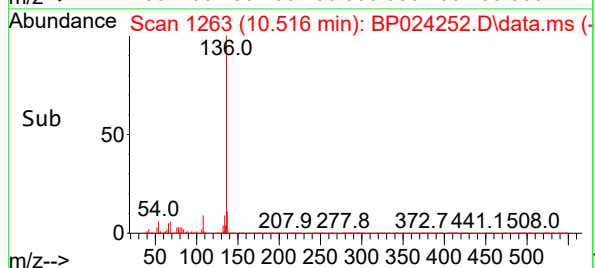
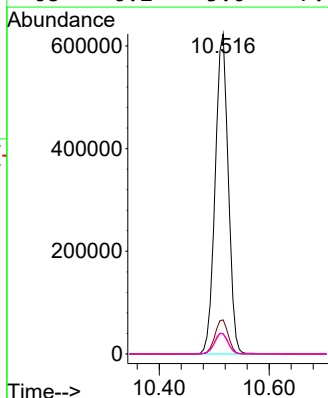
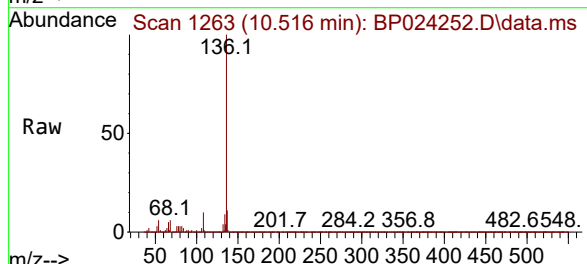
Ion Ratio Lower Upper

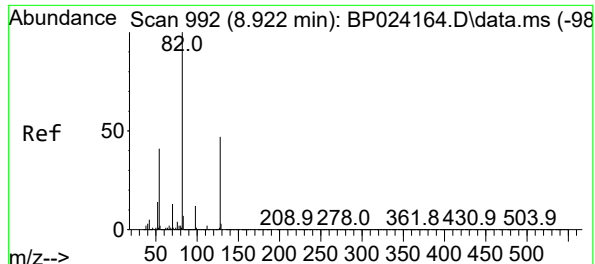
136 100

137 10.7 9.0 13.4

54 6.4 5.3 7.9

68 6.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 65.732 ng

RT: 8.881 min Scan# 91

Delta R.T. -0.012 min

Lab File: BP024252.D

Acq: 10 Apr 2025 14:36

Instrument :

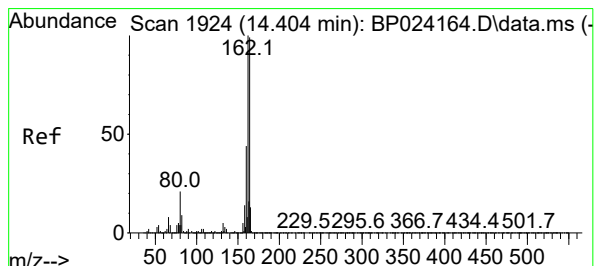
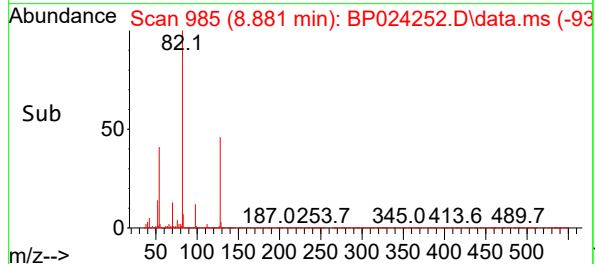
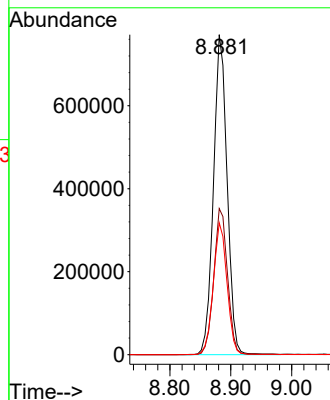
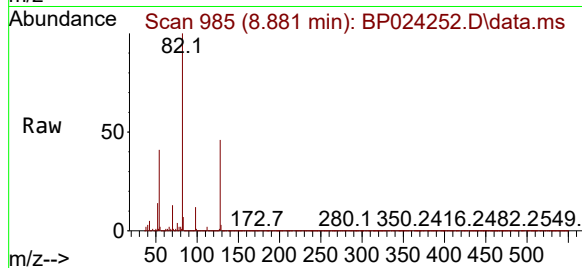
BNA_P

ClientSampleId :

B-158-GW01

Tgt Ion: 82 Resp: 1201824

Ion	Ratio	Lower	Upper
82	100		
128	45.6	37.4	56.0
54	41.2	32.5	48.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.369 min Scan# 1918

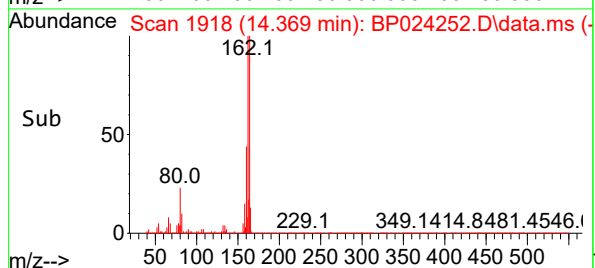
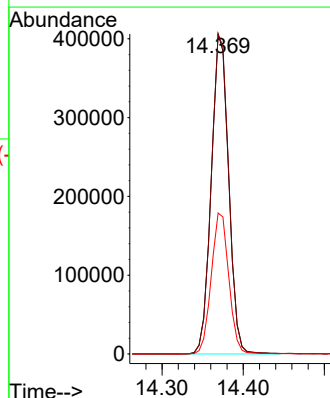
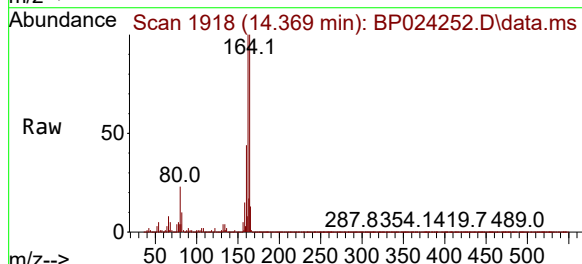
Delta R.T. -0.023 min

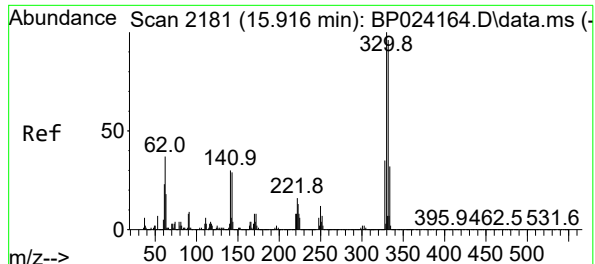
Lab File: BP024252.D

Acq: 10 Apr 2025 14:36

Tgt Ion: 164 Resp: 601225

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	121.0
160	44.1	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 83.779 ng

RT: 15.887 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BP024252.D

Acq: 10 Apr 2025 14:36

Instrument :

BNA_P

ClientSampleId :

B-158-GW01

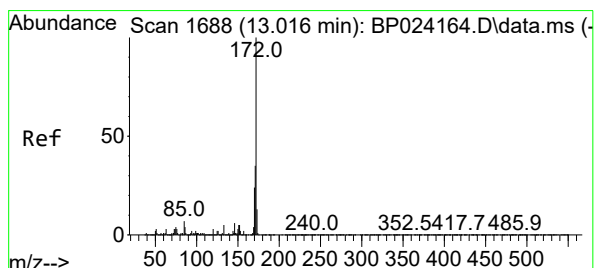
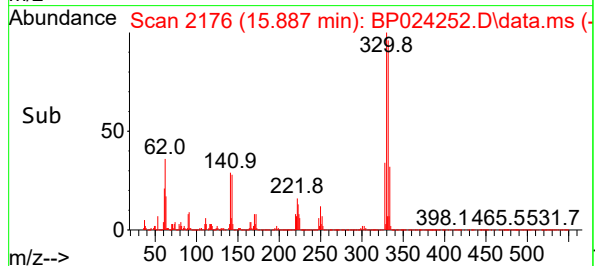
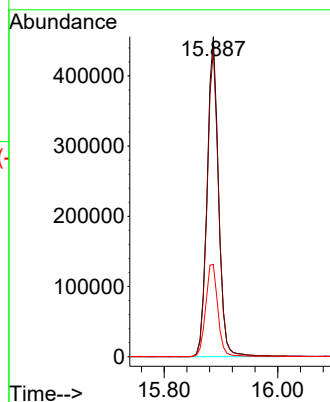
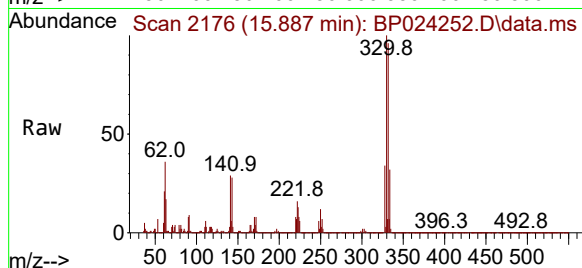
Tgt Ion:330 Resp: 634476

Ion Ratio Lower Upper

330 100

332 96.2 77.6 116.4

141 30.8 25.0 37.6



#45

2-Fluorobiphenyl

Concen: 61.449 ng

RT: 12.981 min Scan# 1682

Delta R.T. -0.017 min

Lab File: BP024252.D

Acq: 10 Apr 2025 14:36

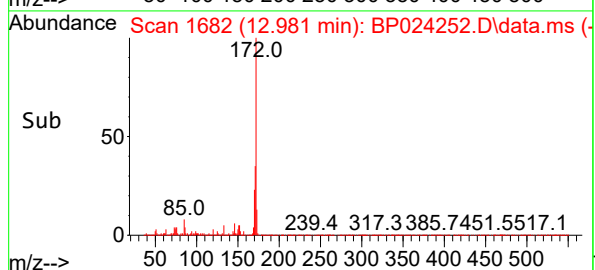
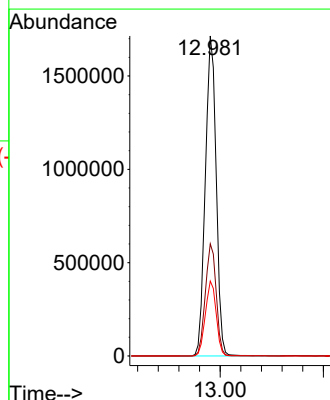
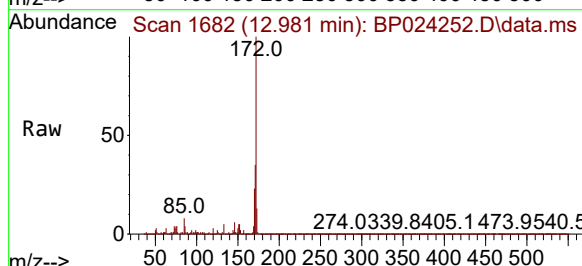
Tgt Ion:172 Resp: 2505509

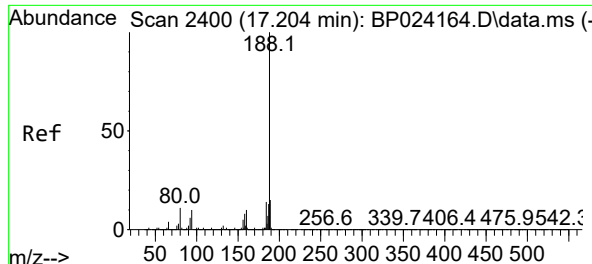
Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.4 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.175 min Scan# 21

Delta R.T. -0.017 min

Lab File: BP024252.D

Acq: 10 Apr 2025 14:36

Instrument :

BNA_P

ClientSampleId :

B-158-GW01

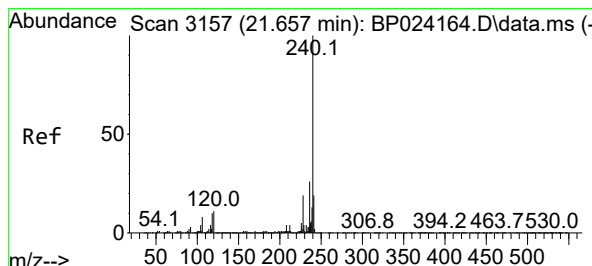
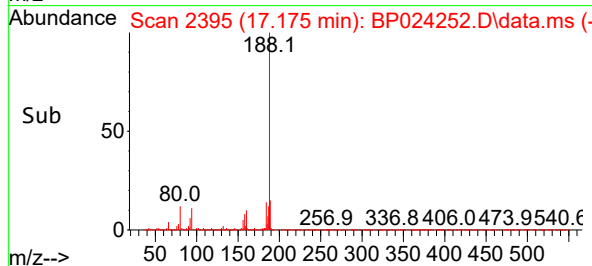
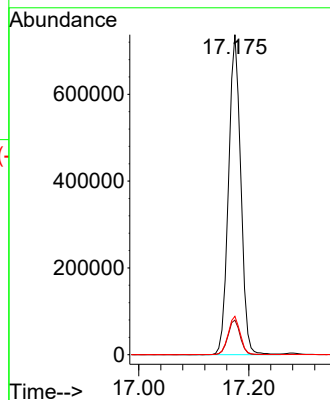
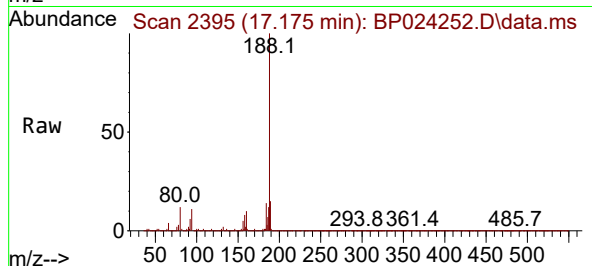
Tgt Ion:188 Resp: 1138233

Ion Ratio Lower Upper

188 100

94 10.8 8.1 12.1

80 12.0 8.9 13.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.616 min Scan# 3150

Delta R.T. -0.029 min

Lab File: BP024252.D

Acq: 10 Apr 2025 14:36

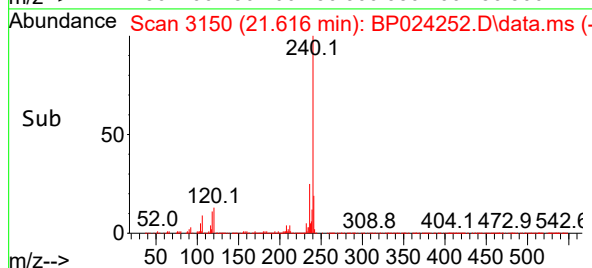
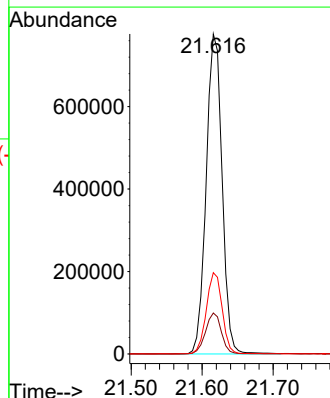
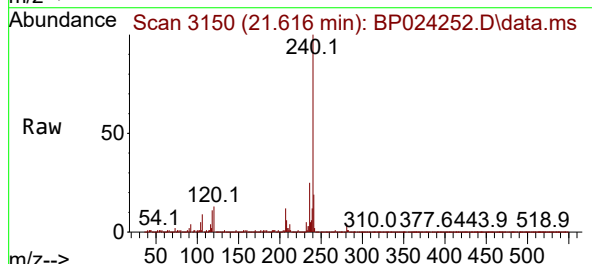
Tgt Ion:240 Resp: 1210776

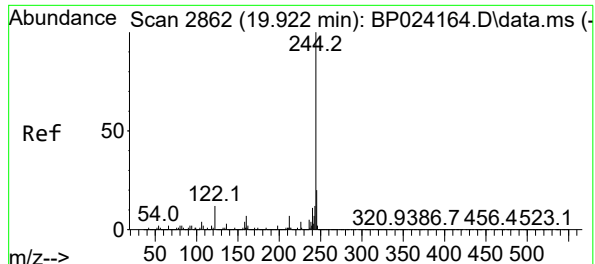
Ion Ratio Lower Upper

240 100

120 12.8 9.2 13.8

236 25.4 20.4 30.6





#79

Terphenyl-d14

Concen: 58.351 ng

RT: 19.892 min Scan# 21

Delta R.T. -0.023 min

Lab File: BP024252.D

Acq: 10 Apr 2025 14:36

Instrument :

BNA_P

ClientSampleId :

B-158-GW01

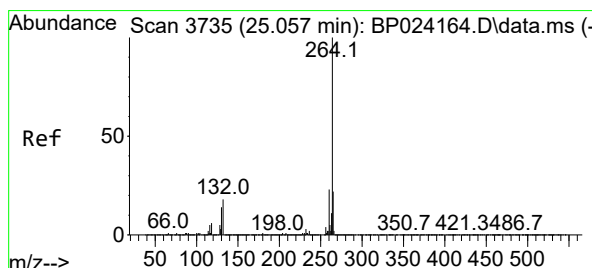
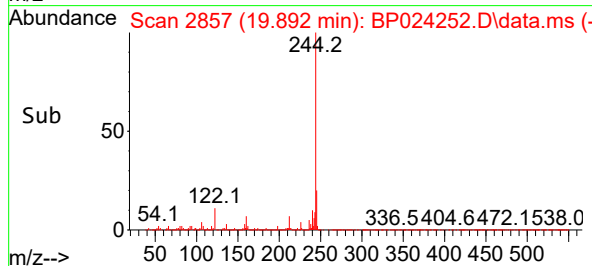
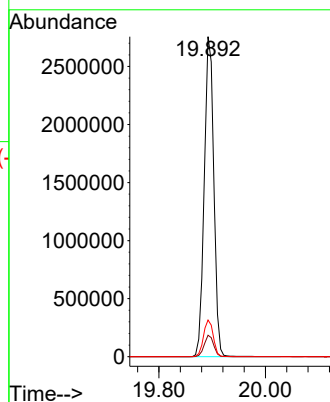
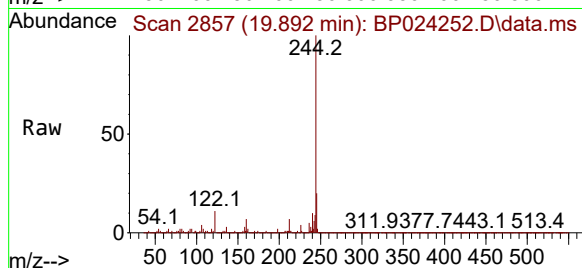
Tgt Ion:244 Resp: 3422578

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 11.4 9.6 14.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.974 min Scan# 3721

Delta R.T. -0.035 min

Lab File: BP024252.D

Acq: 10 Apr 2025 14:36

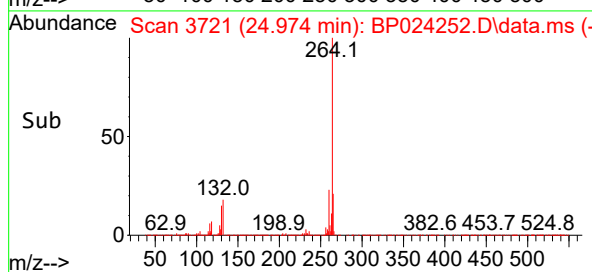
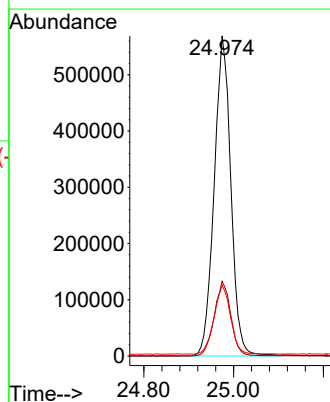
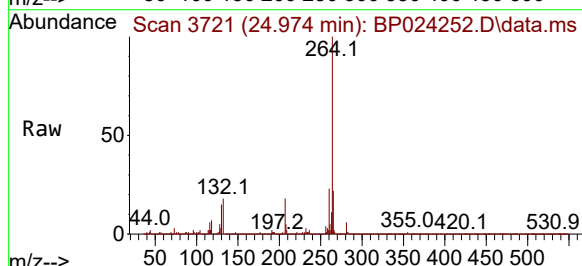
Tgt Ion:264 Resp: 1465709

Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 22.0 17.7 26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024252.D
Acq On : 10 Apr 2025 14:36
Operator : RC/JU
Sample : Q1746-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-GW01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024252.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.993	149	154	162	rVB	343593	438753	4.57%	0.713%
2	4.899	302	308	316	rBV	190075	261415	2.72%	0.425%
3	5.358	379	386	398	rBV	1306613	1933965	20.12%	3.144%
4	6.916	643	651	665	rBV	835706	1347024	14.02%	2.190%
5	7.352	719	725	737	rBV	60721	146786	1.53%	0.239%
6	7.740	782	791	797	rBV	937172	1471746	15.31%	2.393%
7	8.369	892	898	905	rVB	107028	169312	1.76%	0.275%
8	8.681	945	951	955	rBV	82214	123909	1.29%	0.201%
9	8.734	955	960	967	rVB	94790	147020	1.53%	0.239%
10	8.834	970	977	980	rBV	213149	332402	3.46%	0.540%
11	8.881	980	985	996	rVB	2099929	3285998	34.19%	5.342%
12	9.352	1060	1065	1070	rVB	192155	283989	2.96%	0.462%
13	9.410	1070	1075	1079	rBV	308718	476983	4.96%	0.775%
14	9.610	1104	1109	1113	rBV	104229	159275	1.66%	0.259%
15	9.722	1122	1128	1132	rBV3	57659	104469	1.09%	0.170%
16	9.769	1132	1136	1145	rVB	73030	124656	1.30%	0.203%
17	9.922	1156	1162	1168	rVB3	195659	350330	3.65%	0.570%
18	9.987	1168	1173	1182	rVB2	62231	108108	1.12%	0.176%
19	10.293	1218	1225	1240	rBV	1444969	2455281	25.55%	3.992%
20	10.516	1254	1263	1267	rBV	1202361	2056004	21.39%	3.342%
21	10.563	1267	1271	1282	rVB2	215843	423125	4.40%	0.688%
22	10.875	1318	1324	1331	rBV2	62989	142839	1.49%	0.232%
23	11.169	1362	1374	1380	rVB5	45189	113588	1.18%	0.185%
24	12.175	1536	1545	1551	rBV	63314	104942	1.09%	0.171%
25	12.981	1675	1682	1693	rBV	4925318	7208552	75.01%	11.719%
26	14.369	1911	1918	1935	rVB	1711210	2581411	26.86%	4.197%
27	15.204	2053	2060	2064	rBV2	93884	179088	1.86%	0.291%
28	15.751	2147	2153	2161	rBV	984271	1400509	14.57%	2.277%
29	15.887	2169	2176	2195	rBV	3102110	4578713	47.65%	7.444%
30	16.098	2205	2212	2225	rBV3	76492	184840	1.92%	0.300%
31	16.463	2270	2274	2280	rBV	98771	142181	1.48%	0.231%
32	17.175	2386	2395	2408	rVB2	1830661	2889719	30.07%	4.698%
33	18.122	2549	2556	2563	rBV	1593490	2512277	26.14%	4.084%
34	19.310	2755	2758	2769	rVB7	62287	146057	1.52%	0.237%
35	19.445	2776	2781	2800	rBV	1662091	3337861	34.73%	5.426%
36	19.581	2800	2804	2812	rVB	1204780	1426892	14.85%	2.320%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024252.D
Acq On : 10 Apr 2025 14:36
Operator : RC/JU
Sample : Q1746-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-GW01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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38	21.292	3090	3095	3107	rBV	747952	1684709	17.53%	2.739%
39	21.616	3144	3150	3159	rBV2	2111306	3275539	34.08%	5.325%
40	24.974	3713	3721	3733	rVB	1506023	3791930	39.46%	6.165%

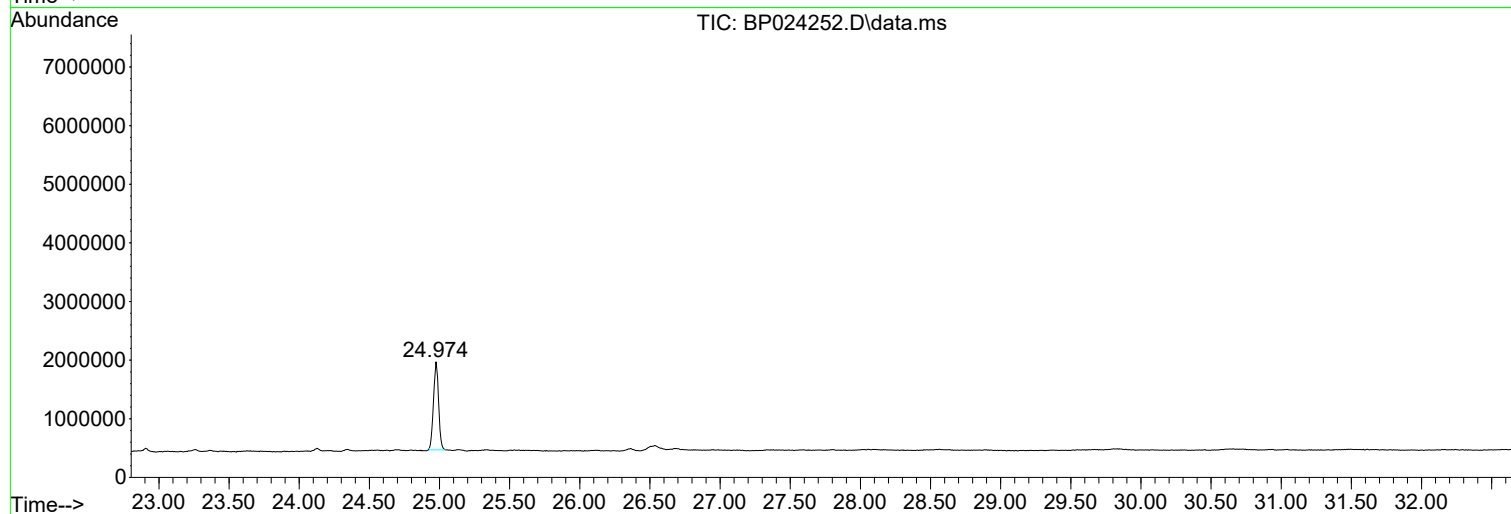
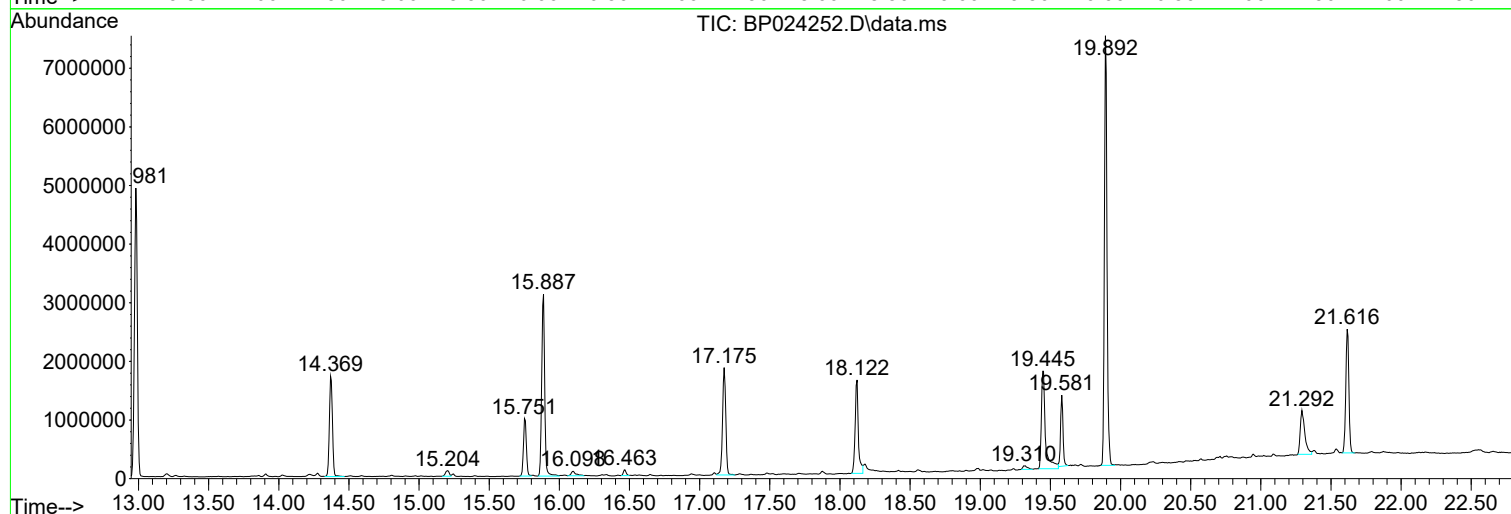
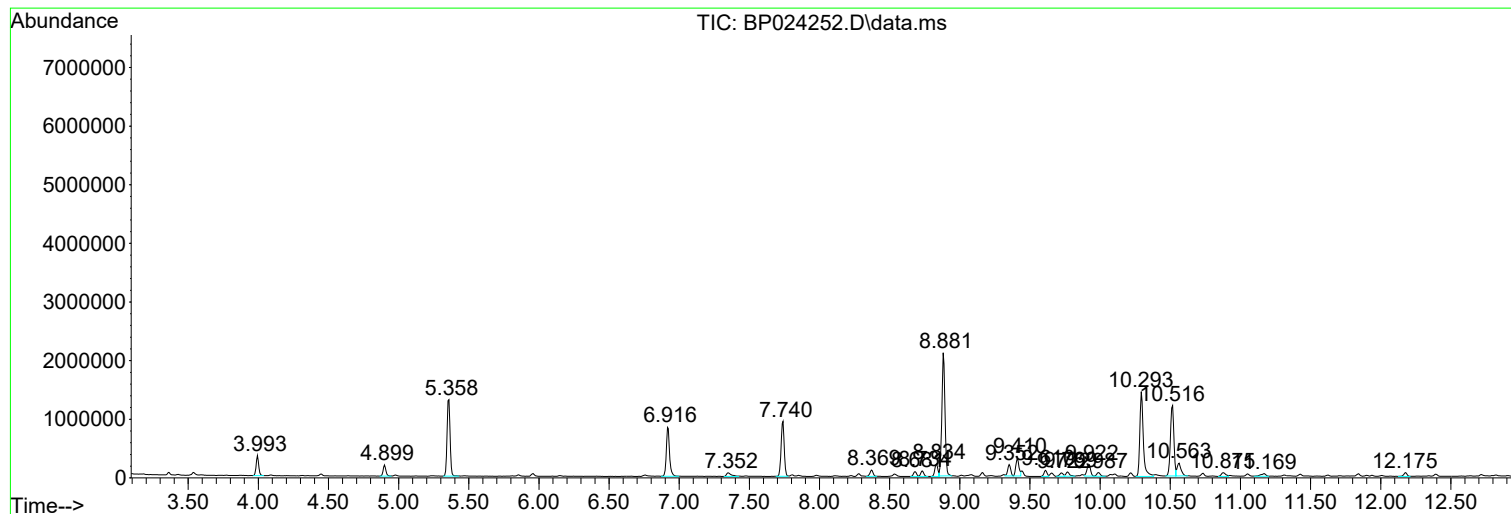
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Data File : BP024252.D
Acq On : 10 Apr 2025 14:36
Operator : RC/JU
Sample : Q1746-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024252.D
Acq On : 10 Apr 2025 14:36
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ClientSampleId :
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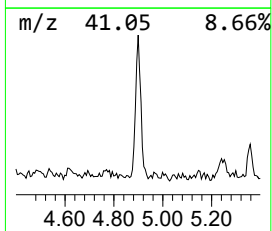
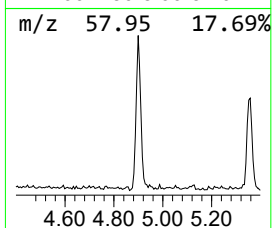
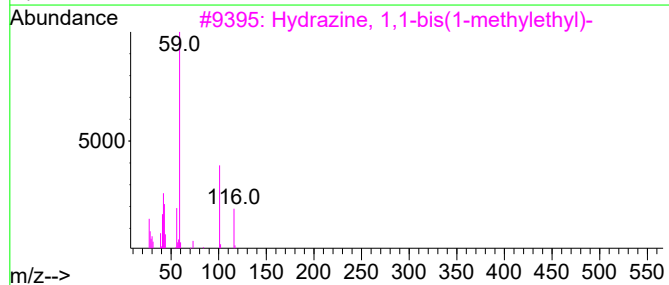
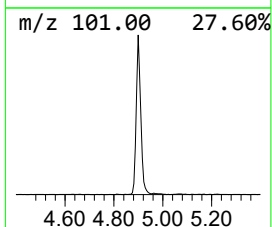
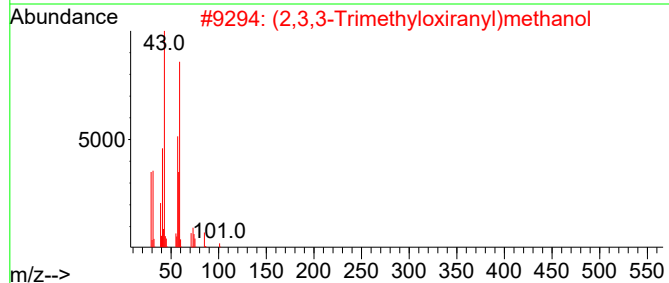
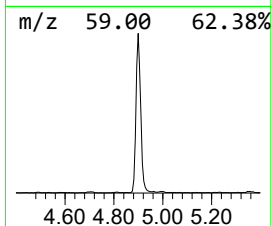
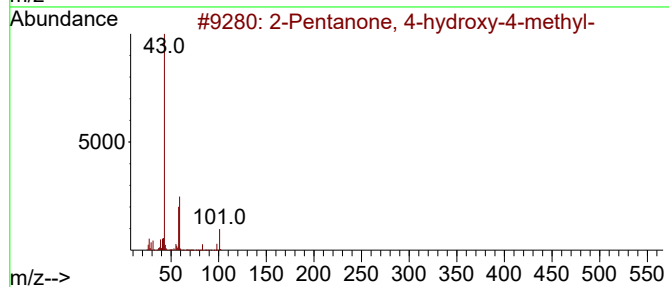
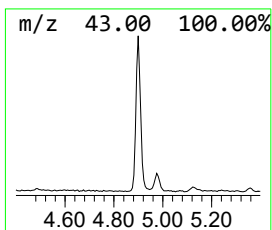
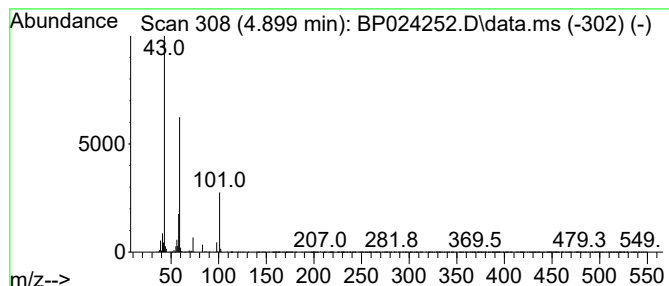
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD			R.T.
4.899	3.55 ng	261415	1,4-Dichlorobenzene-d4			7.740

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2		000123-42-2	59
2	(2,3,3-Trimethyloxiranyl)methanol	116	C6H12O2		1000306-64-7	33
3	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2		000921-14-2	28
4	Succinic acid, heptyl 2-methoxye...	274	C14H26O5		1000325-80-7	28
5	2,3-Butanedione, monooxime	101	C4H7NO2		000057-71-6	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024252.D
Acq On : 10 Apr 2025 14:36
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
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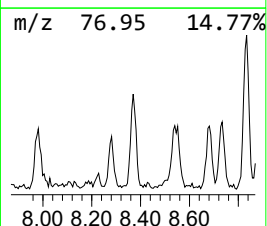
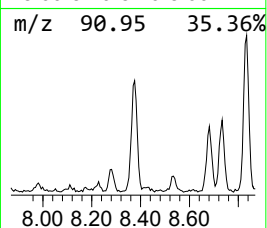
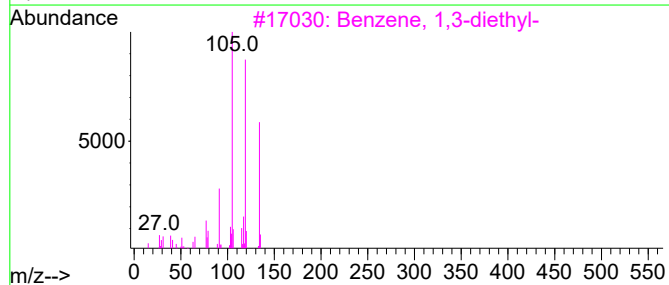
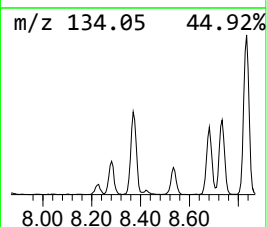
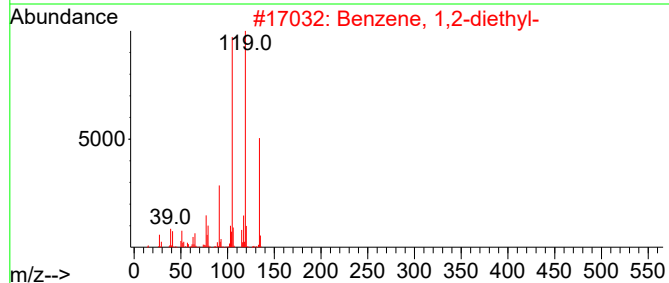
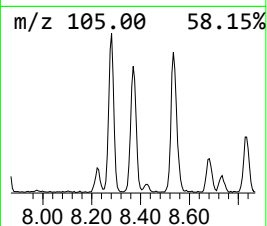
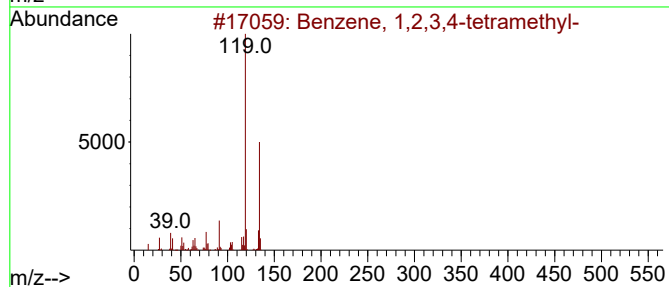
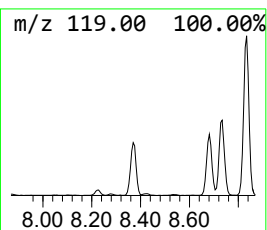
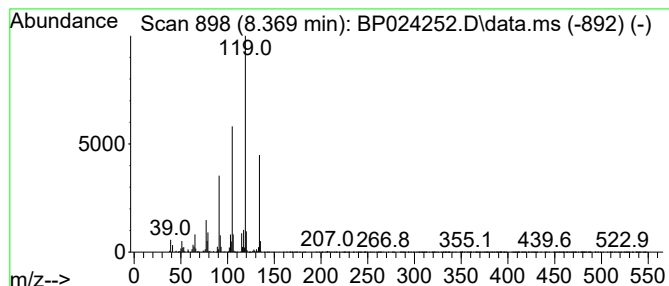
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.369	2.30 ng	169312	1,4-Dichlorobenzene-d4	7.740

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
2			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
3			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
4			o-Cymene	134	C10H14	000527-84-4	93
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024252.D
Acq On : 10 Apr 2025 14:36
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Sample : Q1746-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

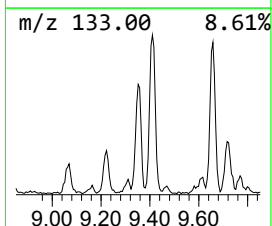
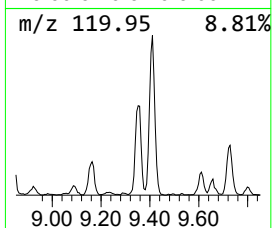
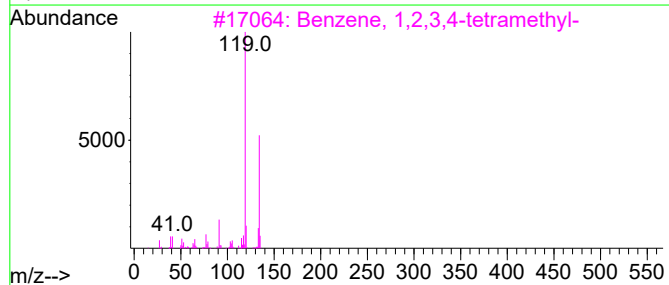
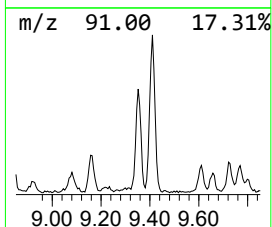
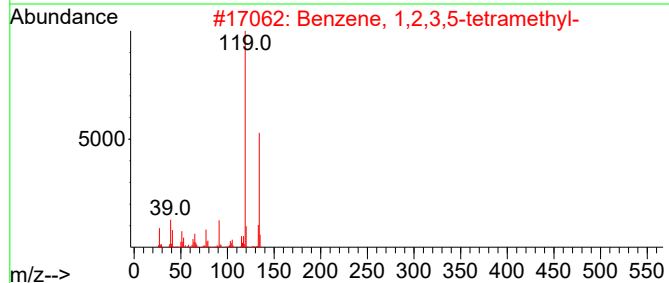
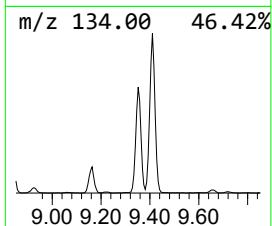
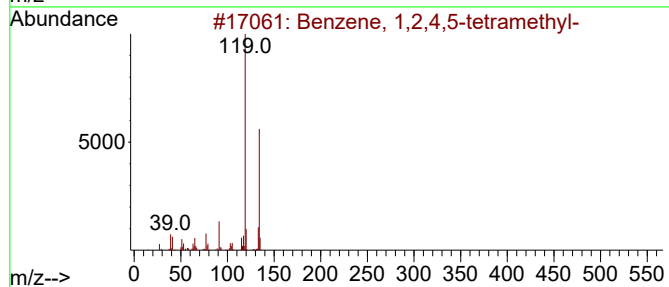
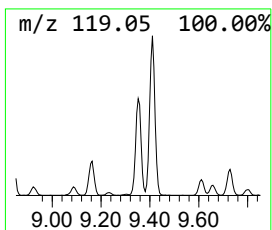
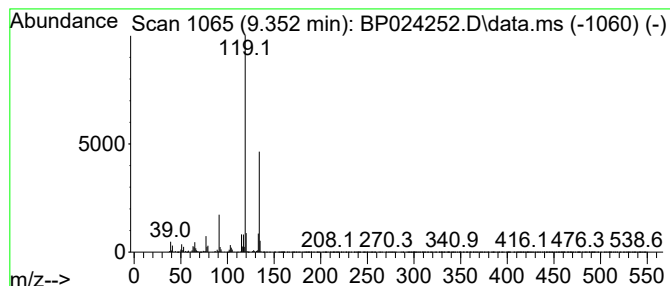
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.352	2.76 ng	283989	Naphthalene-d8	10.516	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024252.D
Acq On : 10 Apr 2025 14:36
Operator : RC/JU
Sample : Q1746-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-158-GW01

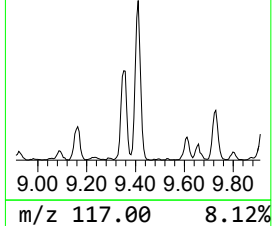
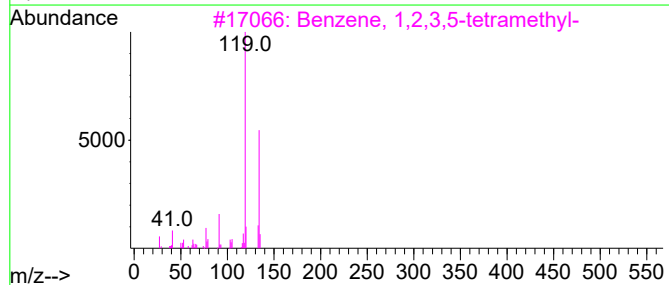
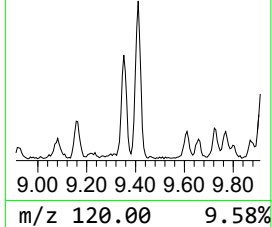
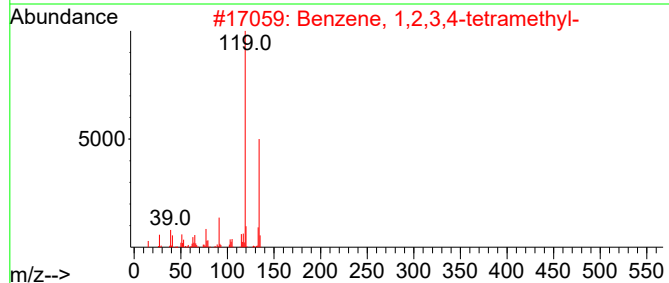
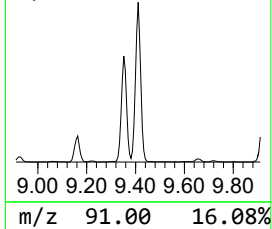
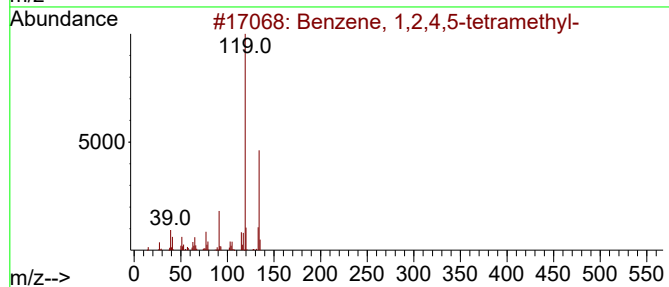
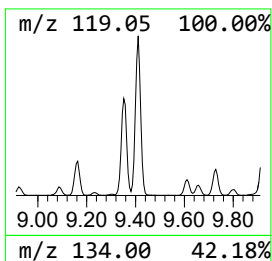
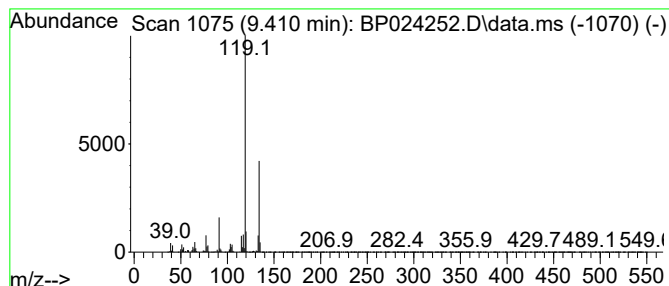
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.410	4.64 ng	476983	Naphthalene-d8	10.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024252.D
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Sample : Q1746-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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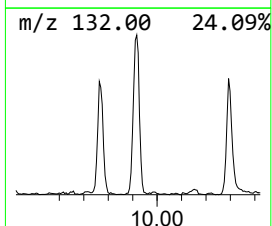
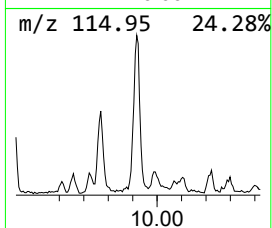
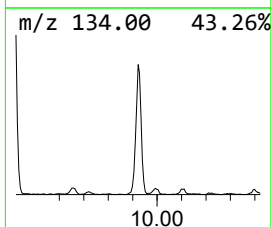
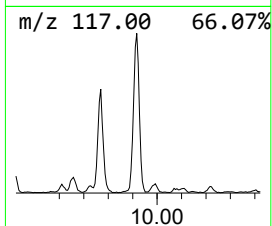
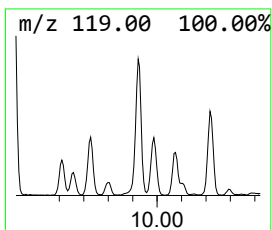
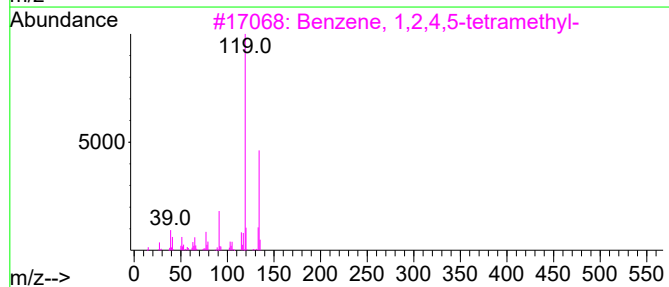
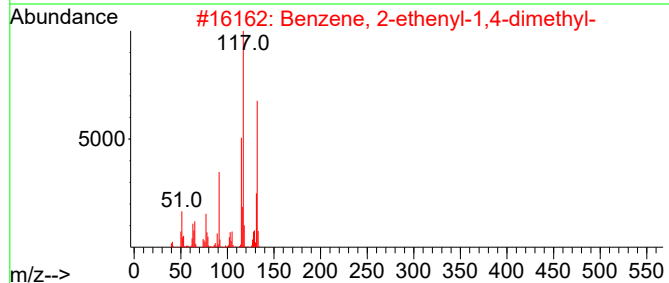
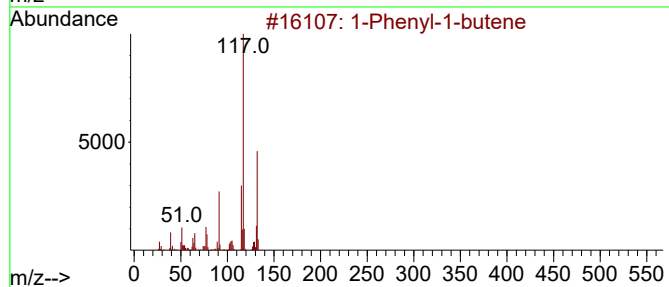
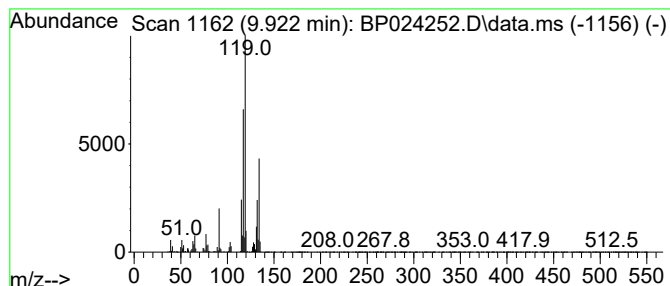
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 1-Phenyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.922	3.41 ng	350330	Naphthalene-d8	10.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Phenyl-1-butene	132	C10H12	000824-90-8	74
2			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	70
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
4			Ethanone, 1-(4-methylphenyl)-	134	C9H10O	000122-00-9	55
5			o-Cymene	134	C10H14	000527-84-4	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024252.D
Acq On : 10 Apr 2025 14:36
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Sample : Q1746-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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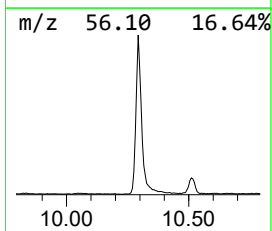
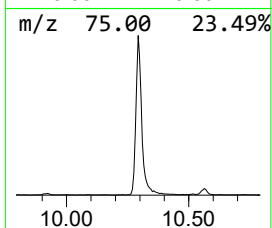
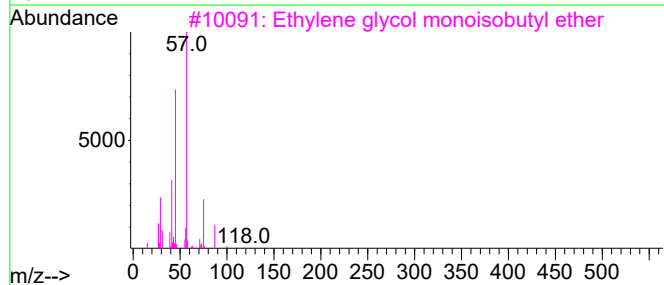
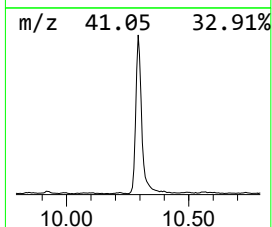
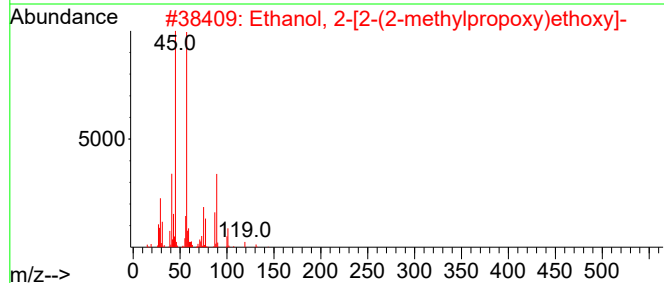
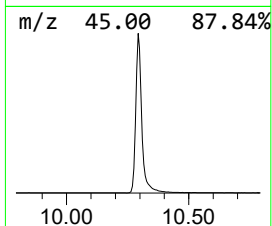
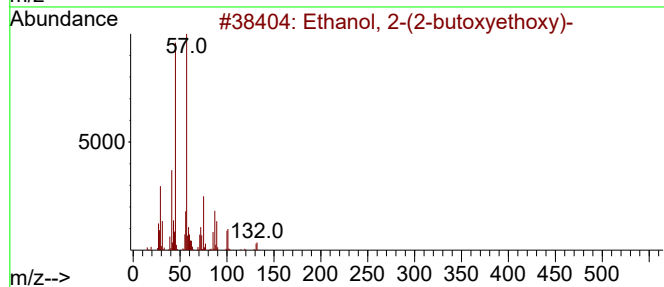
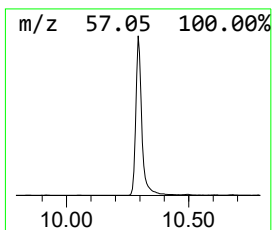
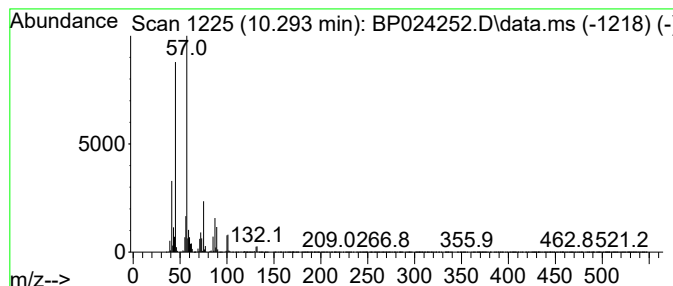
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.293	23.88 ng	2455280	Naphthalene-d8	10.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	91
2			Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	64
3			Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	59
4			Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	50
5			3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
B-158-GW01

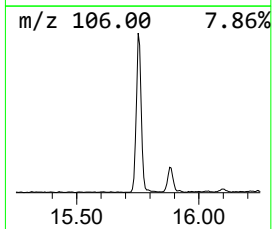
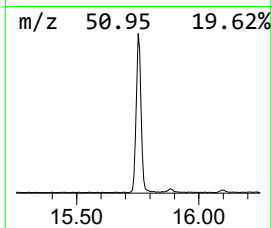
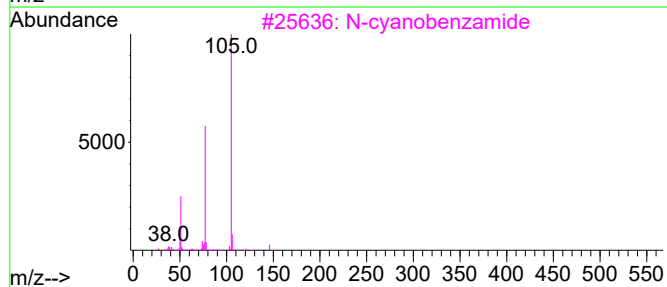
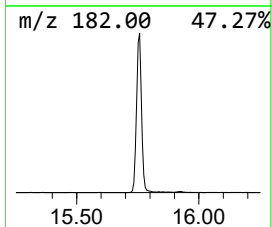
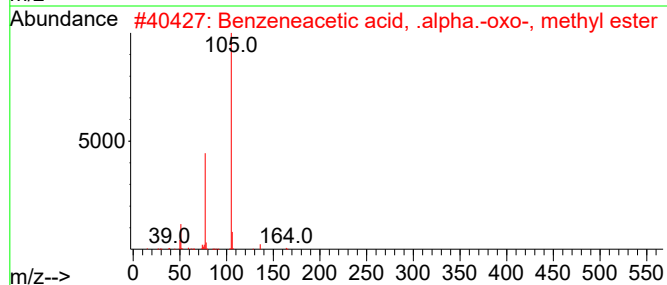
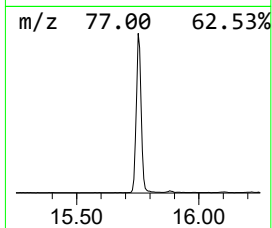
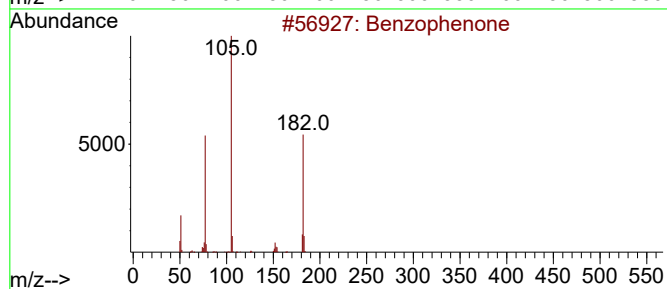
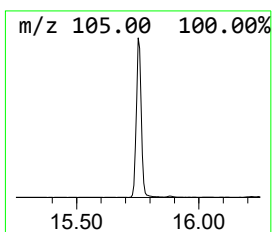
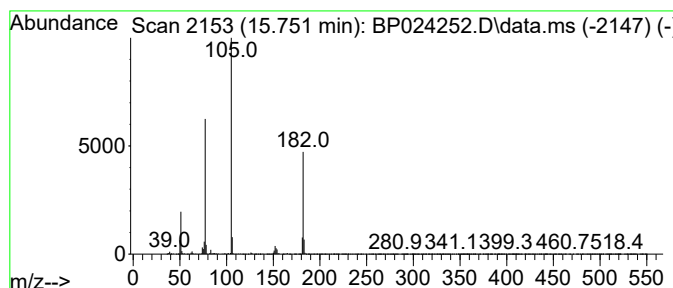
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.751	10.85 ng	1400510	Acenaphthene-d10	14.369

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47
3			N-cyanobenzamide	146	C8H6N2O	015150-25-1	47
4			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
5			Ethanone, 2-hydroxy-1-phenyl-	136	C8H8O2	000582-24-1	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024252.D
Acq On : 10 Apr 2025 14:36
Operator : RC/JU
Sample : Q1746-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

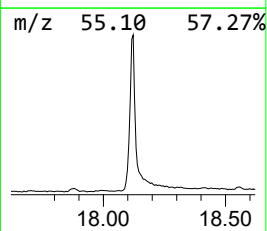
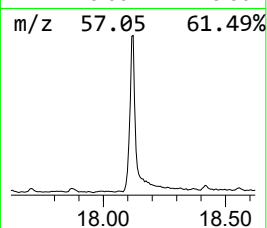
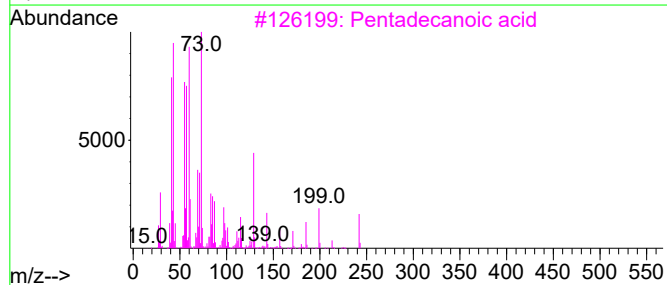
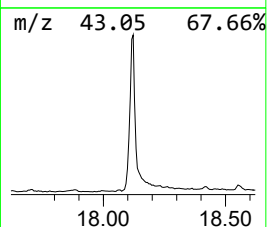
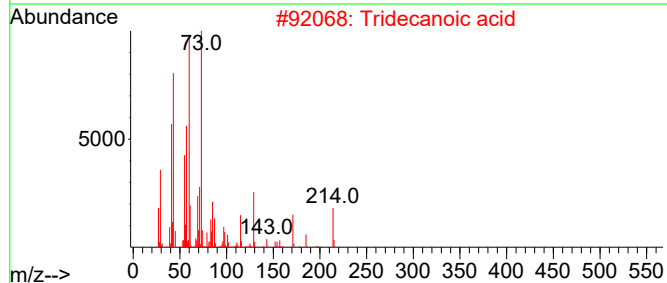
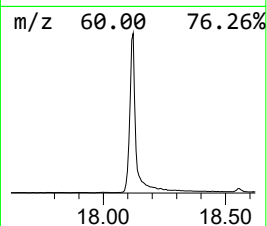
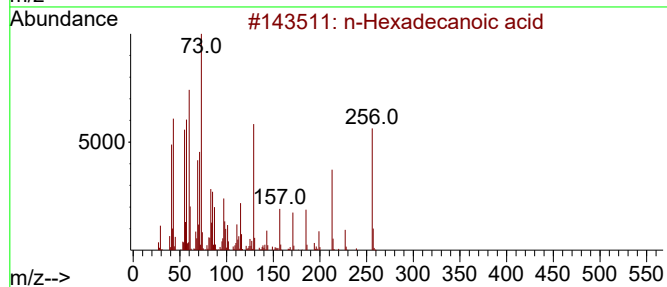
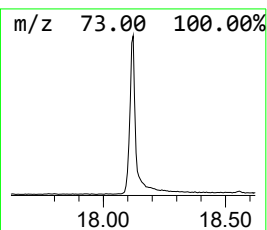
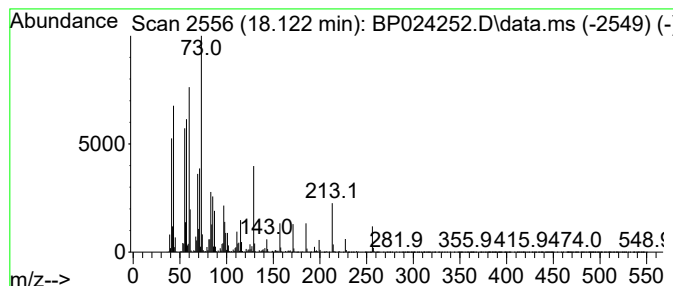
Instrument :
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ClientSampleId :
B-158-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.122	17.39 ng	2512280	Phenanthrene-d10		17.175	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	99
2	Tridecanoic acid		214	C13H26O2	000638-53-9	91
3	Pentadecanoic acid		242	C15H30O2	001002-84-2	87
4	n-Decanoic acid		172	C10H20O2	000334-48-5	76
5	Tetradecanoic acid		228	C14H28O2	000544-63-8	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024252.D
Acq On : 10 Apr 2025 14:36
Operator : RC/JU
Sample : Q1746-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

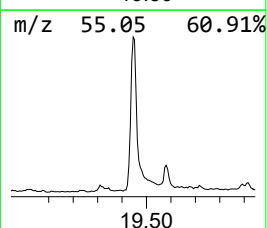
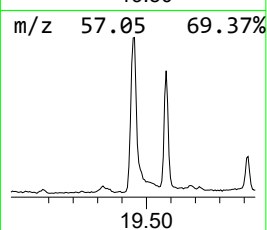
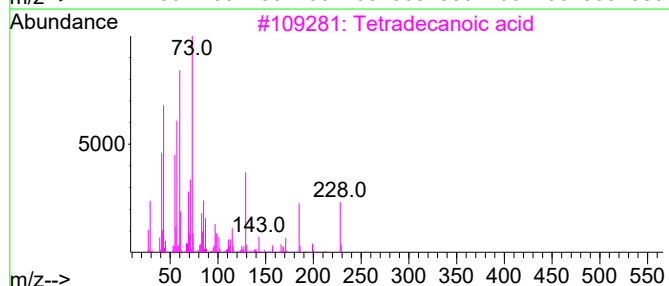
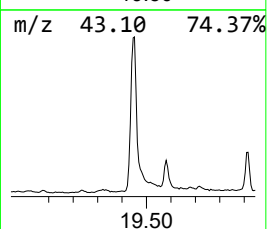
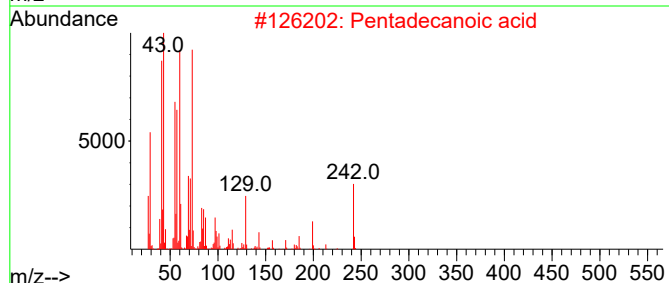
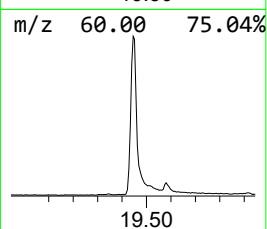
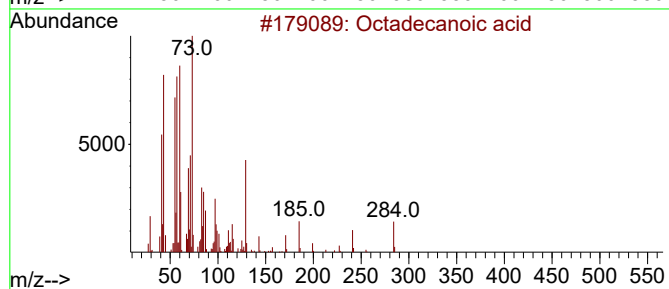
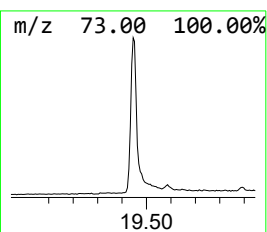
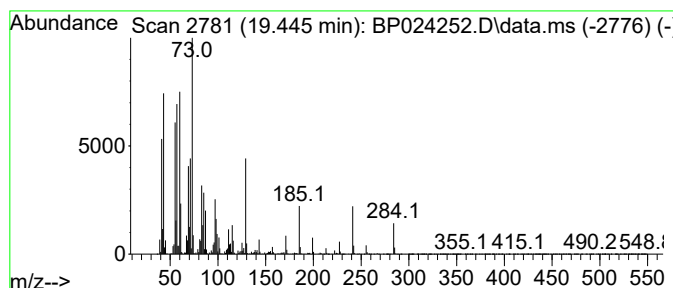
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ClientSampleId :
B-158-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.445	20.38 ng	3337860	Chrysene-d12	21.616	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	80
5	Tridecanoic acid	214	C13H26O2	000638-53-9	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024252.D
Acq On : 10 Apr 2025 14:36
Operator : RC/JU
Sample : Q1746-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-GW01

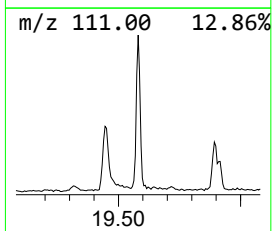
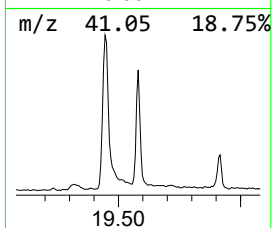
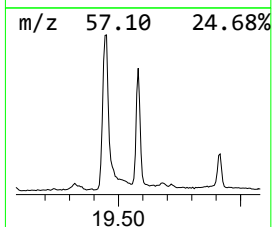
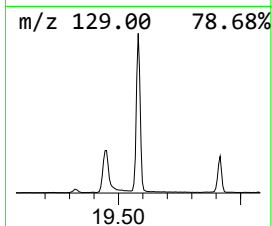
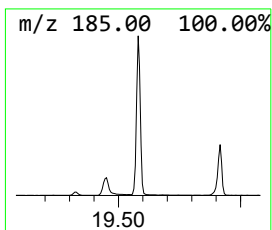
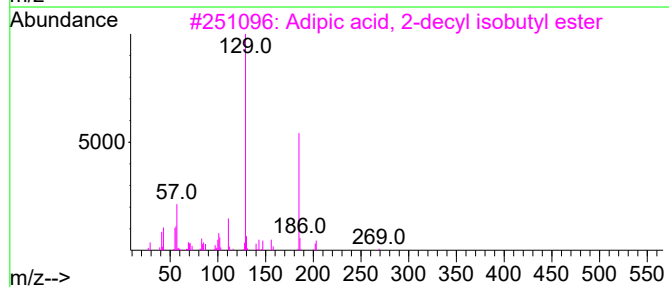
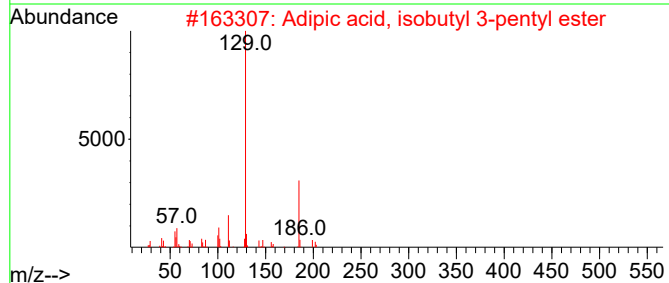
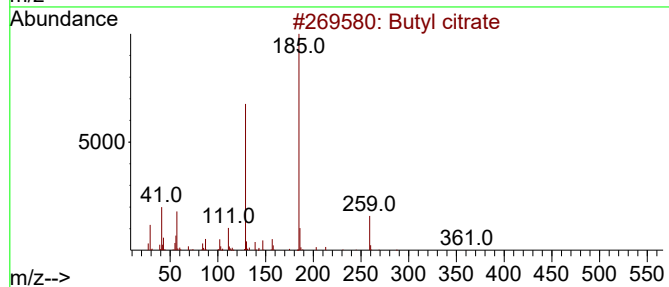
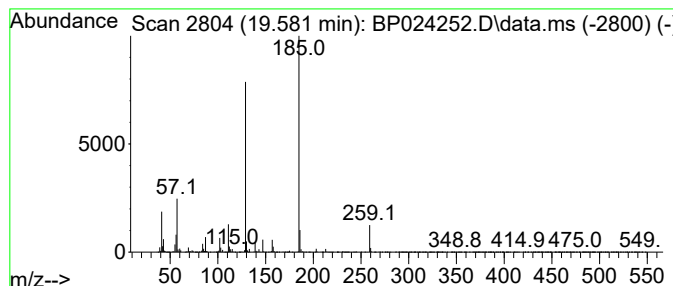
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Butyl citrate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.581	8.71 ng	1426890	Chrysene-d12	21.616

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butyl citrate	360	C18H32O7	000077-94-1	91
2			Adipic acid, isobutyl 3-pentyl e...	272	C15H28O4	1000324-60-4	78
3			Adipic acid, 2-decyl isobutyl ester	342	C20H38O4	1000353-59-6	64
4			Adipic acid, butyl 3-pentyl ester	272	C15H28O4	1000324-60-5	64
5			Adipic acid, isobutyl 2-octyl ester	314	C18H34O4	1000324-44-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024252.D
Acq On : 10 Apr 2025 14:36
Operator : RC/JU
Sample : Q1746-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-GW01

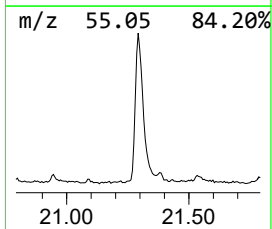
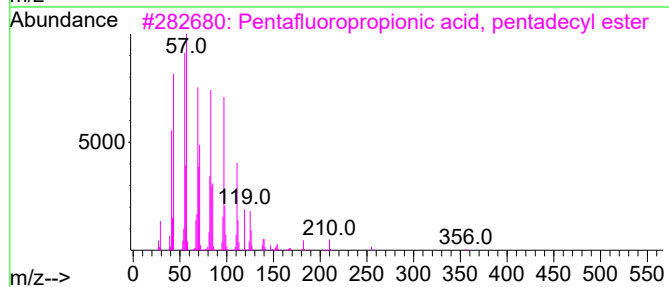
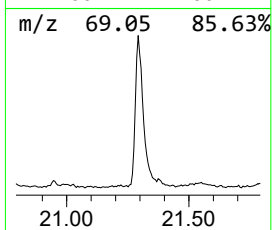
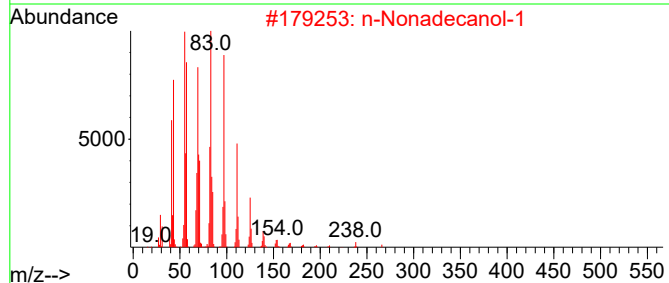
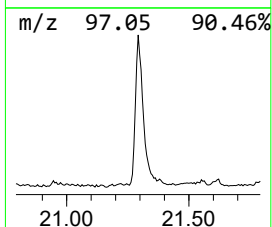
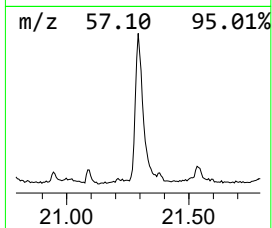
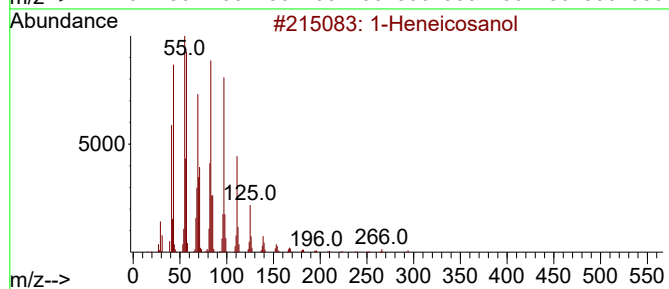
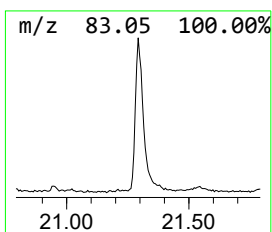
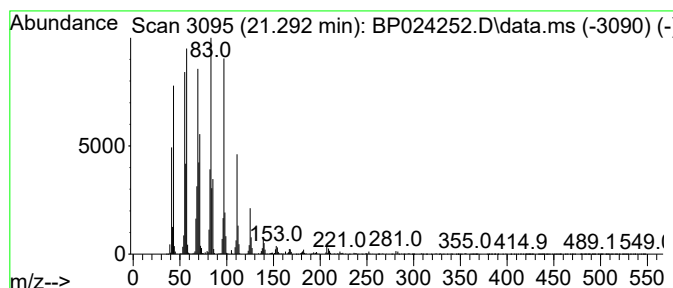
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 1-Heneicosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.292	10.29 ng	1684710	Chrysene-d12	21.616

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Heneicosanol	312	C21H44O	015594-90-8	95
2		n-Nonadecanol-1	284	C19H40O	001454-84-8	94
3		Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94
4		Behenic alcohol	326	C22H46O	000661-19-8	94
5		Pentacos-1-ene	350	C25H50	016980-85-1	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024252.D
Acq On : 10 Apr 2025 14:36
Operator : RC/JU
Sample : Q1746-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.899	3.5	ng	261415	1	7.740	1471750	20.0
Benzene, 1,2,3,...	8.369	2.3	ng	169312	1	7.740	1471750	20.0
Benzene, 1,2,4,...	9.352	2.8	ng	283989	2	10.516	2056000	20.0
Benzene, 1,2,3,...	9.410	4.6	ng	476983	2	10.516	2056000	20.0
1-Phenyl-1-butene	9.922	3.4	ng	350330	2	10.516	2056000	20.0
Ethanol, 2-(2-b...	10.293	23.9	ng	2455280	2	10.516	2056000	20.0
Benzophenone	15.751	10.9	ng	1400510	3	14.369	2581410	20.0
n-Hexadecanoic ...	18.122	17.4	ng	2512280	4	17.175	2889720	20.0
Octadecanoic acid	19.445	20.4	ng	3337860	5	21.616	3275540	20.0
Butyl citrate	19.581	8.7	ng	1426890	5	21.616	3275540	20.0
1-Heneicosanol	21.292	10.3	ng	1684710	5	21.616	3275540	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
 Data File : BP024253.D
 Acq On : 10 Apr 2025 15:17
 Operator : RC/JU
 Sample : Q1746-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-149-GW01

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/11/2025
 Supervised By :Jagrut Upadhyay 04/11/2025

Quant Time: Apr 10 15:48:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 10 11:43:37 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	262973	20.000	ng	0.00
21) Naphthalene-d8	10.516	136	1043722	20.000	ng	-0.01
39) Acenaphthene-d10	14.375	164	640452	20.000	ng	-0.02
64) Phenanthrene-d10	17.175	188	1285267	20.000	ng	-0.02
76) Chrysene-d12	21.622	240	1386094	20.000	ng	-0.02
86) Perylene-d12	24.992	264	1576982	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	1128096	68.477	ng	0.00
7) Phenol-d6	6.922	99	898829	40.800	ng	0.00
23) Nitrobenzene-d5	8.887	82	1844811	99.726	ng	0.00
42) 2,4,6-Tribromophenol	15.893	330	1385077	171.690	ng	0.00
45) 2-Fluorobiphenyl	12.987	172	4085839	94.069	ng	-0.01
79) Terphenyl-d14	19.904	244	6465473	96.286	ng	-0.01
Target Compounds						
32) Benzoic acid	9.781	122	52954m	4.844	ng	Qvalue
74) Di-n-butylphthalate	18.192	149	313010	3.998	ng	99

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

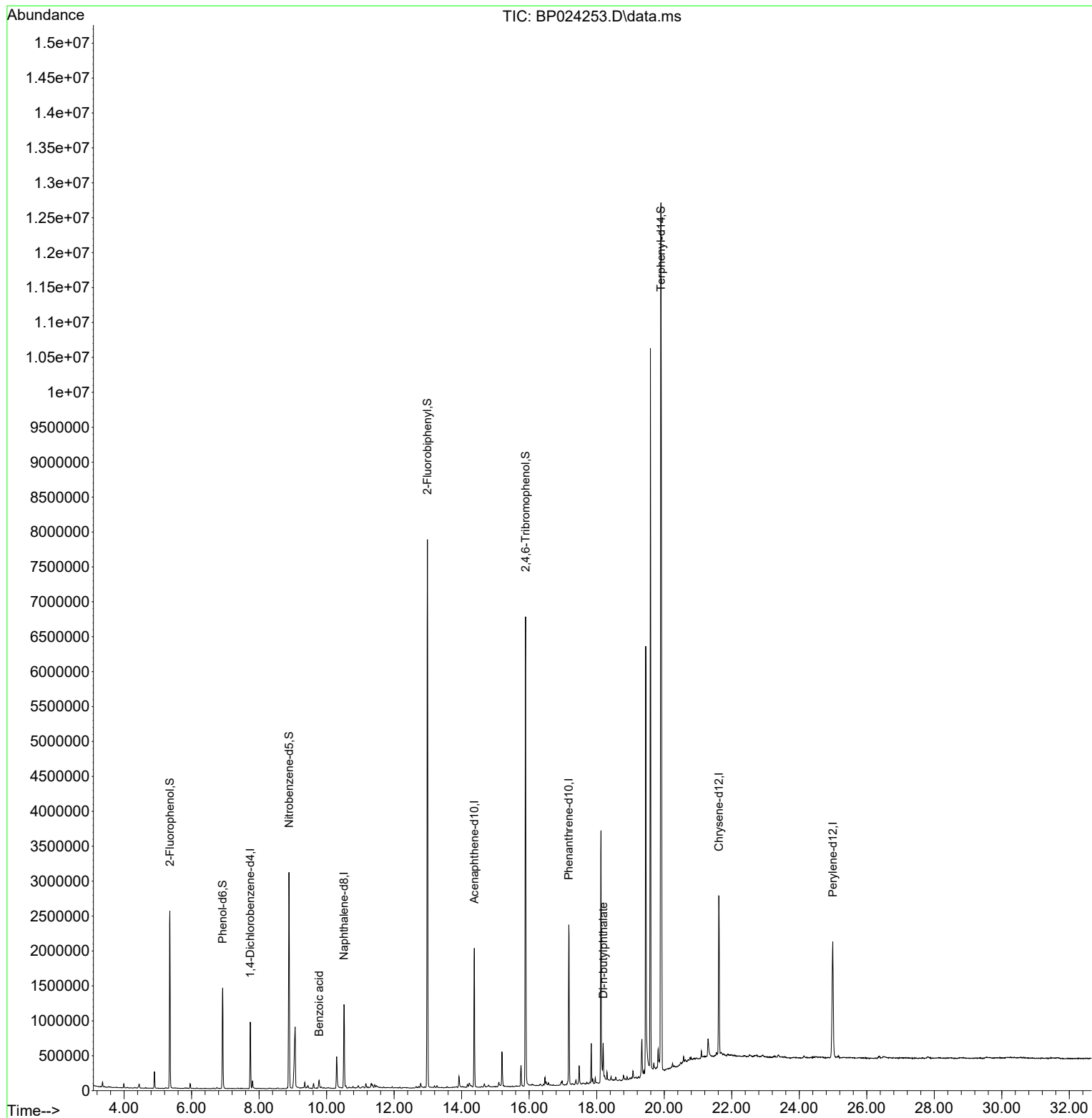
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Sample : Q1746-06
Misc :
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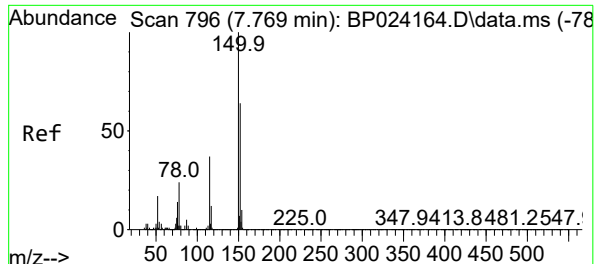
Instrument :
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ClientSampleId :
B-149-GW01

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/11/2025
Supervised By :Jagrut Upadhyay 04/11/2025

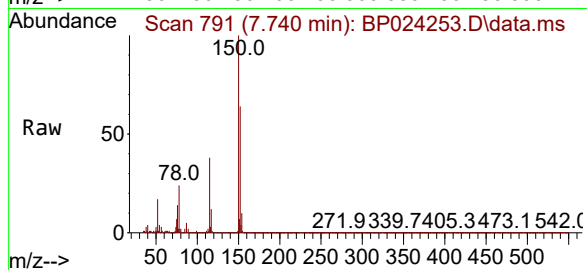
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 796
Delta R.T. -0.006 min
Lab File: BP024253.D
Acq: 10 Apr 2025 15:17

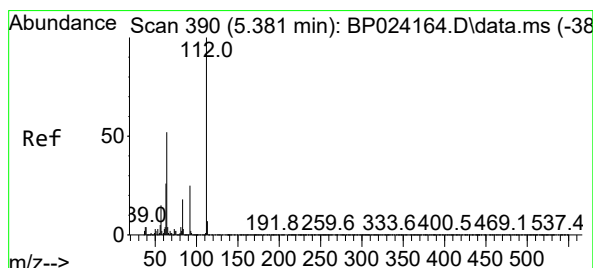
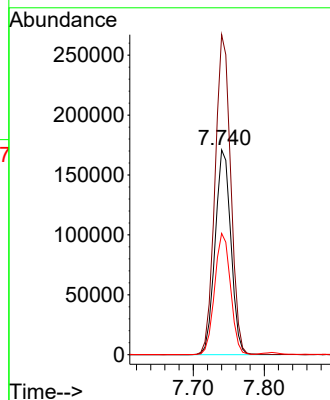
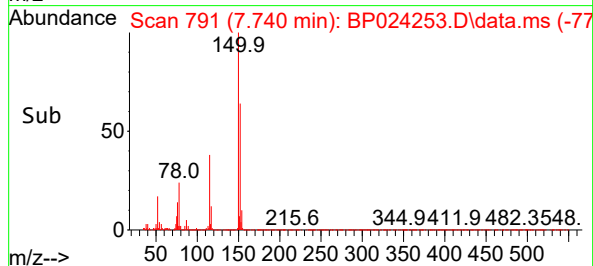
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Tgt Ion:152 Resp: 26297
Ion Ratio Lower Upper
152 100
150 156.3 125.5 188.3
115 59.2 46.3 69.5

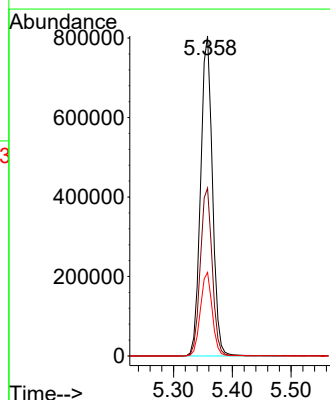
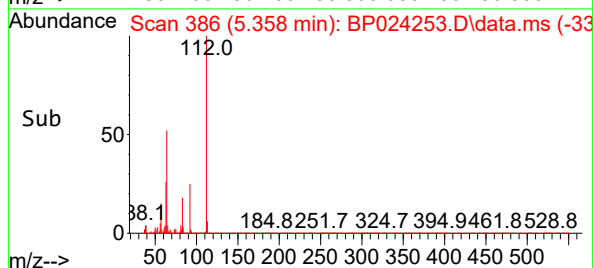
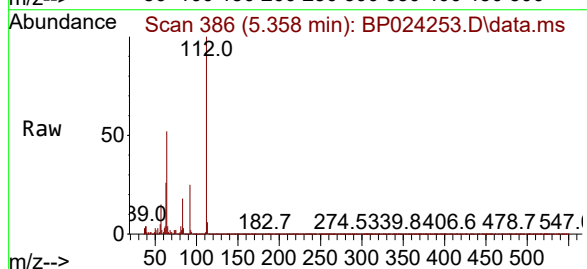
Manual Integrations
APPROVED

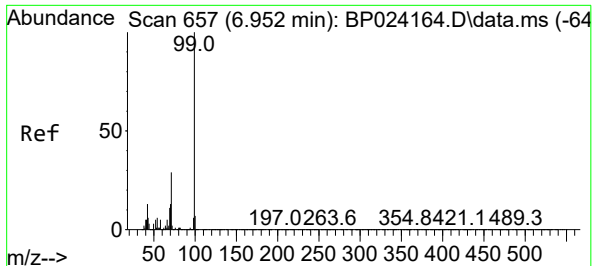
Reviewed By :Anahy Claudio 04/11/2025
Supervised By :Jagrut Upadhyay 04/11/2025



#5
2-Fluorophenol
Concen: 68.477 ng
RT: 5.358 min Scan# 386
Delta R.T. 0.000 min
Lab File: BP024253.D
Acq: 10 Apr 2025 15:17

Tgt Ion:112 Resp: 1128096
Ion Ratio Lower Upper
112 100
64 52.5 41.3 61.9
63 26.1 20.6 31.0





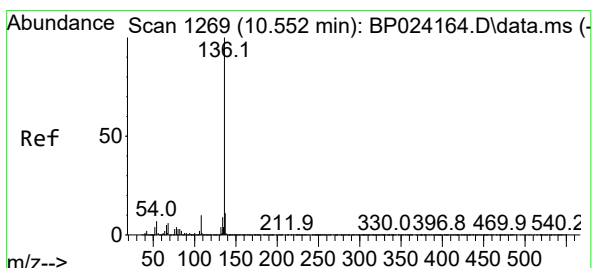
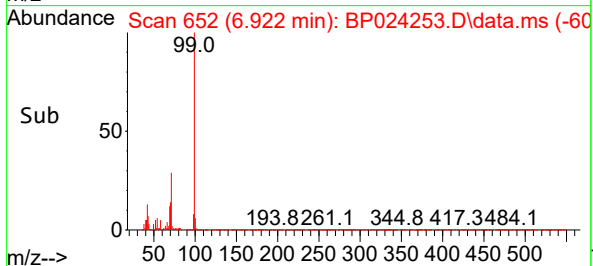
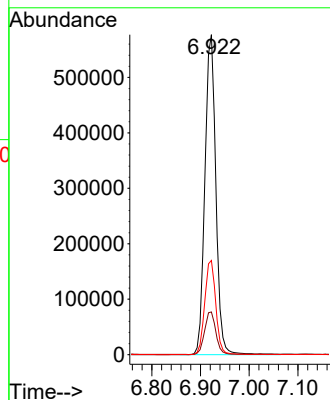
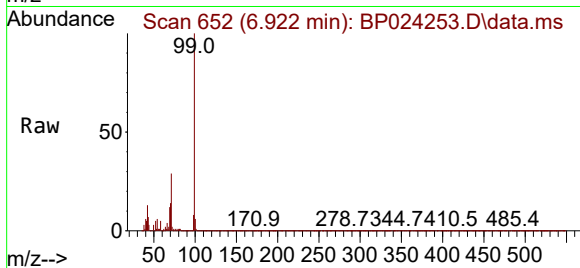
#7
Phenol-d6
Concen: 40.800 ng
RT: 6.922 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP024253.D
Acq: 10 Apr 2025 15:17

Instrument :
BNA_P
ClientSampleId :
B-149-GW01

Tgt Ion: 99 Resp: 898829
Ion Ratio Lower Upper
99 100
42 13.4 10.6 16.0
71 29.5 23.3 34.9

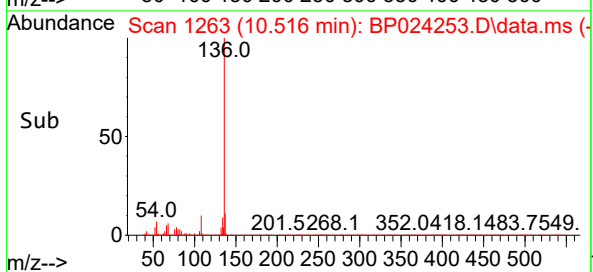
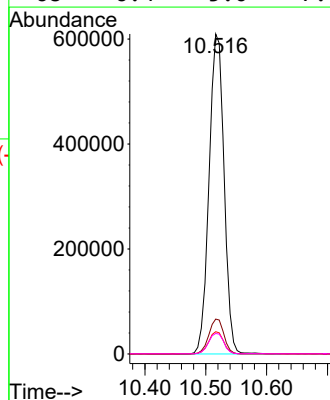
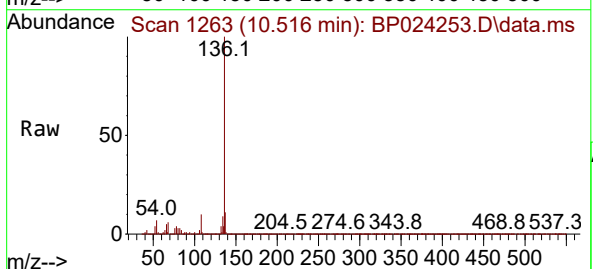
Manual Integrations
APPROVED

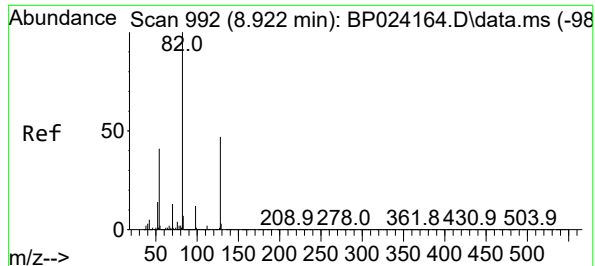
Reviewed By :Anahy Claudio 04/11/2025
Supervised By :Jagrut Upadhyay 04/11/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.011 min
Lab File: BP024253.D
Acq: 10 Apr 2025 15:17

Tgt Ion:136 Resp: 1043722
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 7.0 5.3 7.9
68 6.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 99.726 ng

RT: 8.887 min Scan# 91

Delta R.T. -0.006 min

Lab File: BP024253.D

Acq: 10 Apr 2025 15:17

Instrument :

BNA_P

ClientSampleId :

B-149-GW01

Tgt Ion: 82 Resp: 184481

Ion Ratio Lower Upper

82 100

128 47.0 37.4 56.0

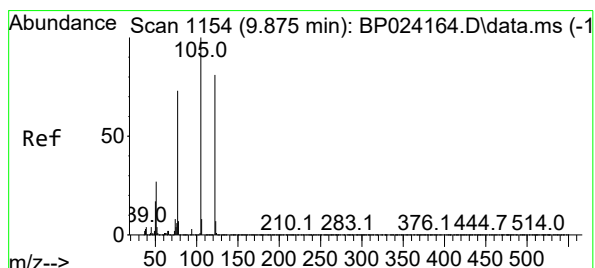
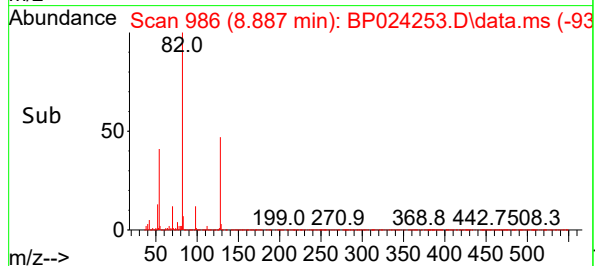
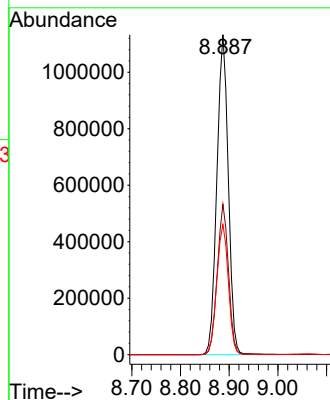
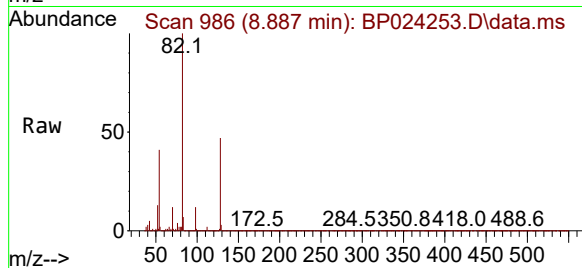
54 40.7 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 04/11/2025

Supervised By :Jagrut Upadhyay 04/11/2025



#32

Benzoic acid

Concen: 4.844 ng m

RT: 9.781 min Scan# 1138

Delta R.T. -0.070 min

Lab File: BP024253.D

Acq: 10 Apr 2025 15:17

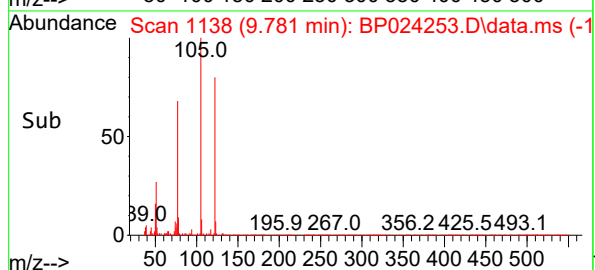
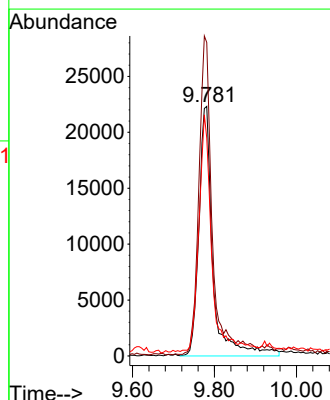
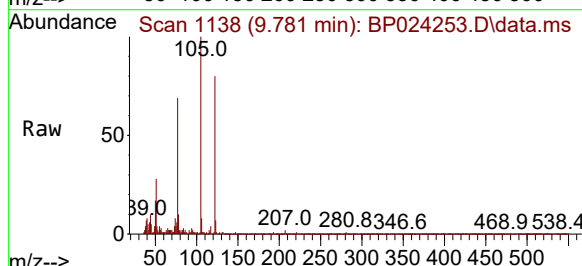
Tgt Ion:122 Resp: 52954

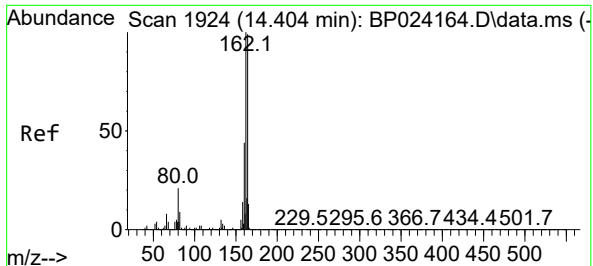
Ion Ratio Lower Upper

122 100

105 125.6 100.3 140.3

77 87.3 69.1 109.1





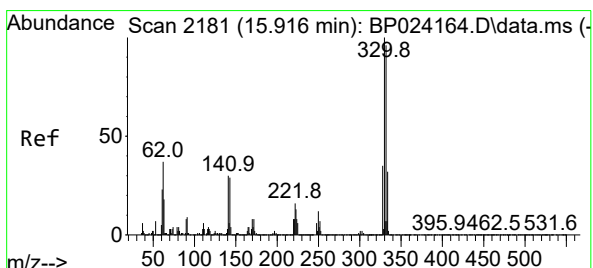
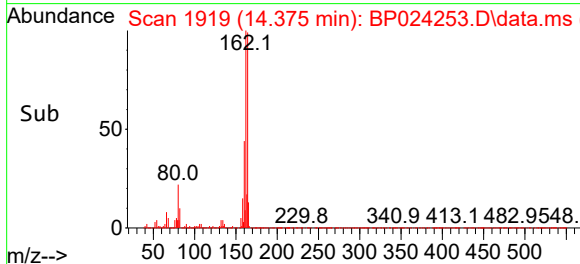
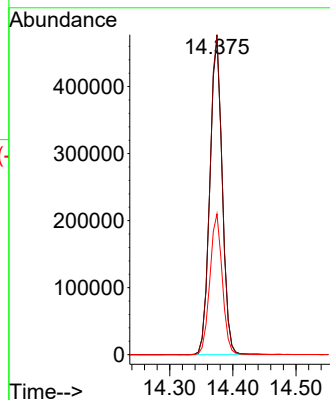
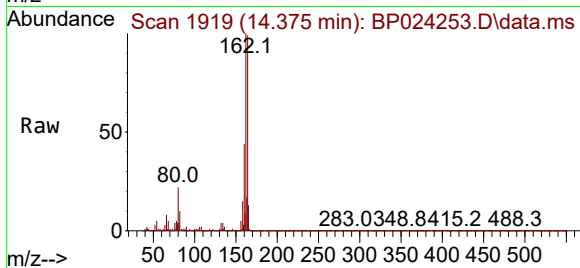
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1919
Delta R.T. -0.017 min
Lab File: BP024253.D
Acq: 10 Apr 2025 15:17

Instrument :
BNA_P
ClientSampleId :
B-149-GW01

Tgt Ion:164 Resp: 640452
Ion Ratio Lower Upper
164 100
162 101.3 80.6 121.0
160 44.6 35.4 53.2

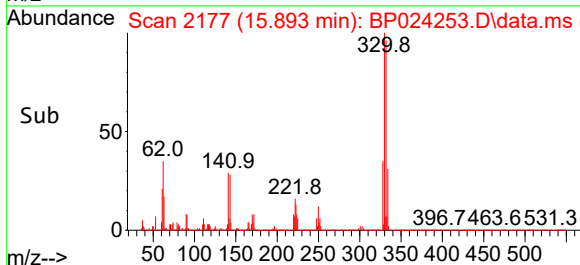
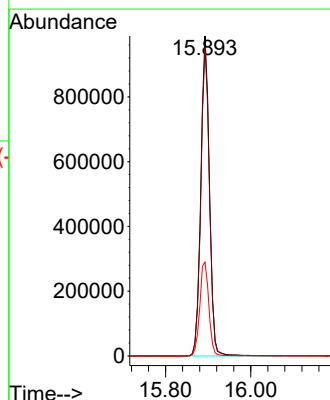
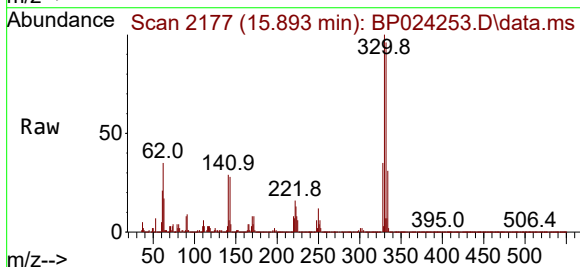
Manual Integrations
APPROVED

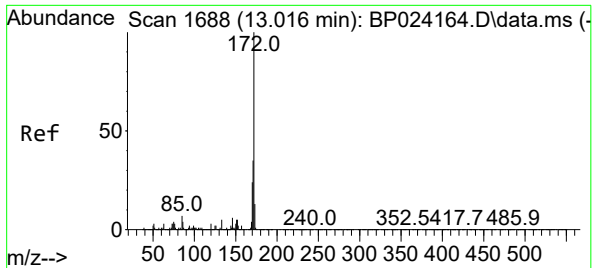
Reviewed By :Anahy Claudio 04/11/2025
Supervised By :Jagrut Upadhyay 04/11/2025



#42
2,4,6-Tribromophenol
Concen: 171.690 ng
RT: 15.893 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BP024253.D
Acq: 10 Apr 2025 15:17

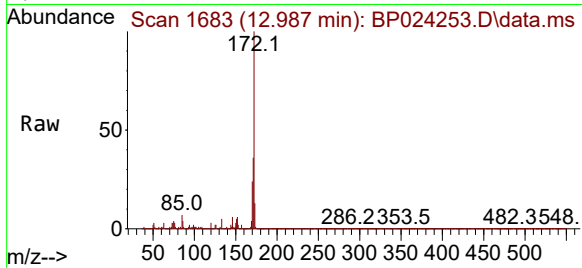
Tgt Ion:330 Resp: 1385077
Ion Ratio Lower Upper
330 100
332 96.7 77.6 116.4
141 30.9 25.0 37.6





#45
2-Fluorobiphenyl
Concen: 94.069 ng
RT: 12.987 min Scan# 1683
Delta R.T. -0.011 min
Lab File: BP024253.D
Acq: 10 Apr 2025 15:17

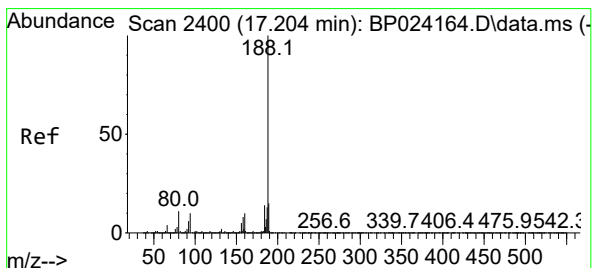
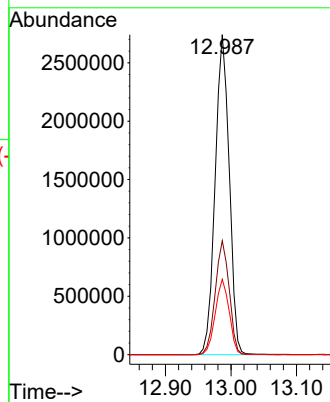
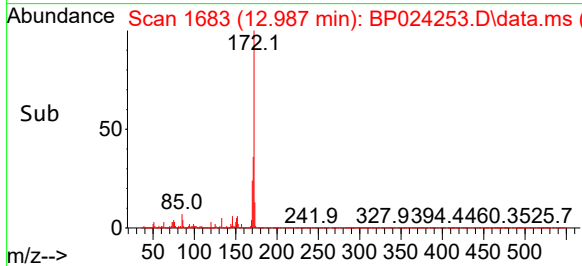
Instrument :
BNA_P
ClientSampleId :
B-149-GW01



Tgt Ion:172 Resp: 4085839
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.6 19.0 28.4

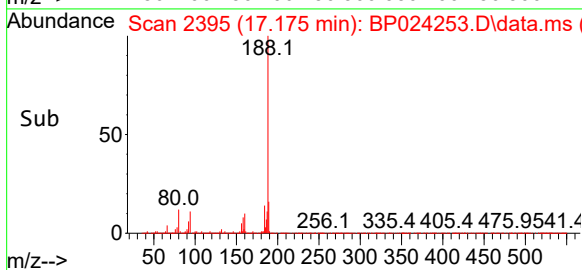
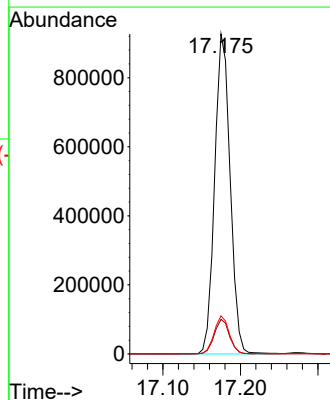
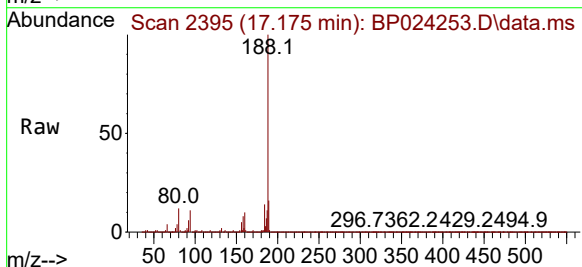
Manual Integrations
APPROVED

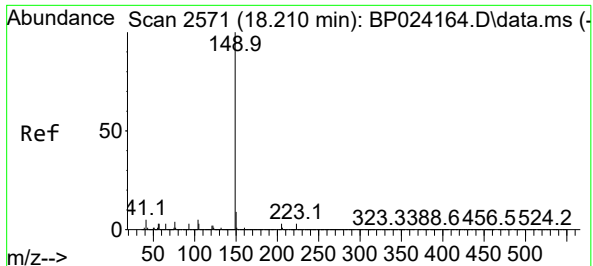
Reviewed By :Anahy Claudio 04/11/2025
Supervised By :Jagrut Upadhyay 04/11/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2395
Delta R.T. -0.017 min
Lab File: BP024253.D
Acq: 10 Apr 2025 15:17

Tgt Ion:188 Resp: 1285267
Ion Ratio Lower Upper
188 100
94 10.8 8.1 12.1
80 11.9 8.9 13.3





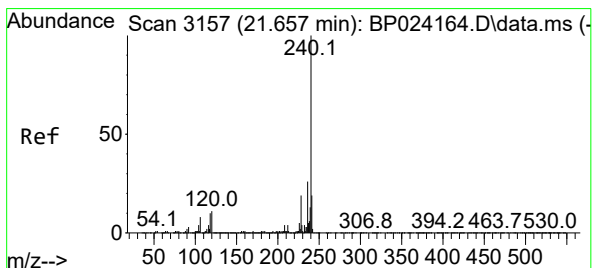
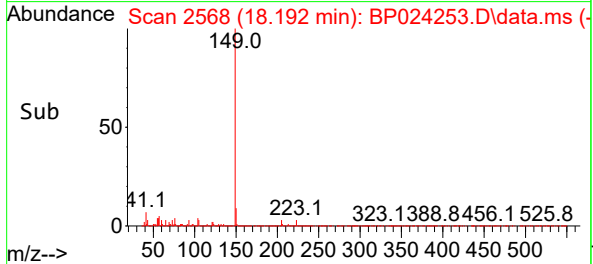
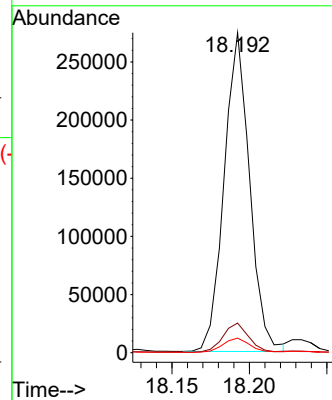
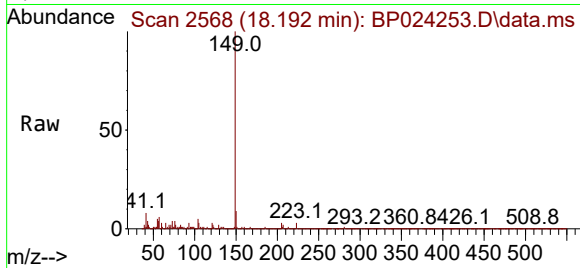
#74
Di-n-butylphthalate
Concen: 3.998 ng
RT: 18.192 min Scan# 213010
Delta R.T. -0.011 min
Lab File: BP024253.D
Acq: 10 Apr 2025 15:17

Instrument :
BNA_P
ClientSampleId :
B-149-GW01

Tgt Ion:149 Resp: 313010
Ion Ratio Lower Upper
149 100
150 9.2 7.6 11.4
104 4.6 3.9 5.9

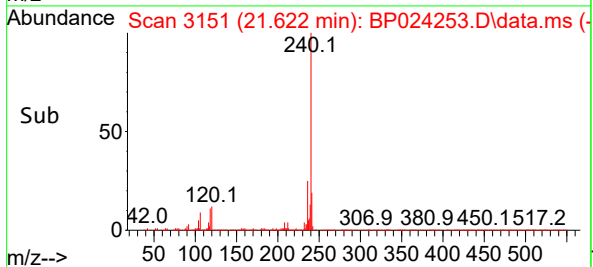
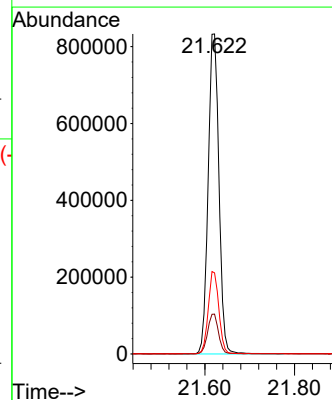
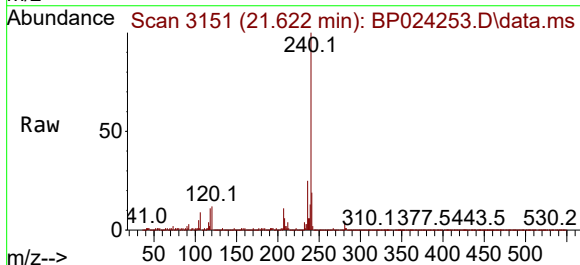
Manual Integrations
APPROVED

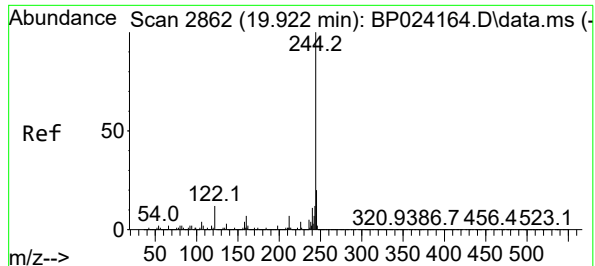
Reviewed By :Anahy Claudio 04/11/2025
Supervised By :Jagrut Upadhyay 04/11/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.622 min Scan# 3151
Delta R.T. -0.023 min
Lab File: BP024253.D
Acq: 10 Apr 2025 15:17

Tgt Ion:240 Resp: 1386094
Ion Ratio Lower Upper
240 100
120 12.4 9.2 13.8
236 25.4 20.4 30.6





#79

Terphenyl-d14

Concen: 96.286 ng

RT: 19.904 min Scan# 21

Delta R.T. -0.011 min

Lab File: BP024253.D

Acq: 10 Apr 2025 15:17

Instrument :

BNA_P

ClientSampleId :

B-149-GW01

Tgt Ion:244 Resp: 646547

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

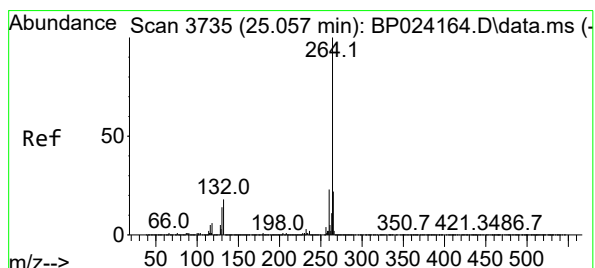
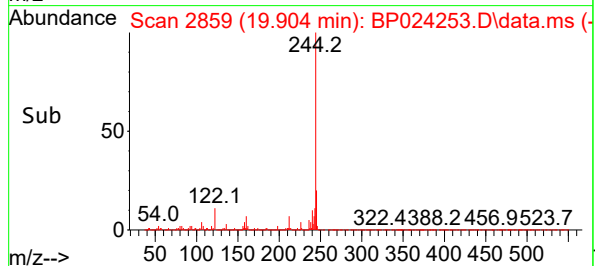
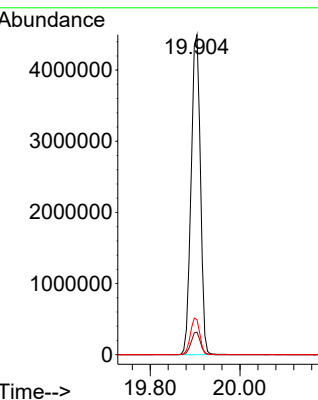
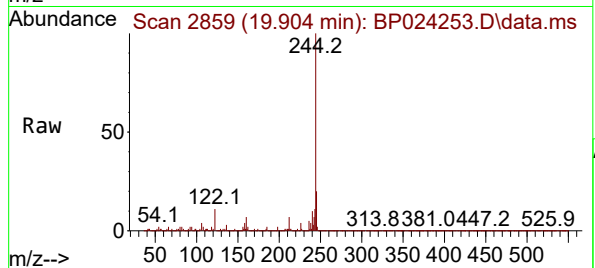
122 10.9 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 04/11/2025

Supervised By :Jagrut Upadhyay 04/11/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.992 min Scan# 3724

Delta R.T. -0.017 min

Lab File: BP024253.D

Acq: 10 Apr 2025 15:17

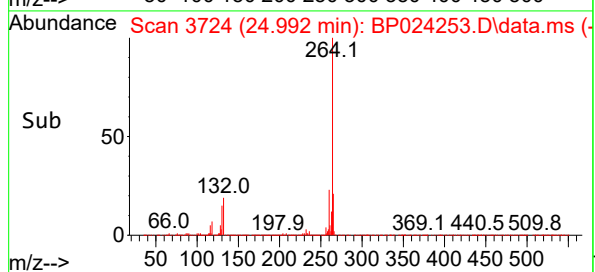
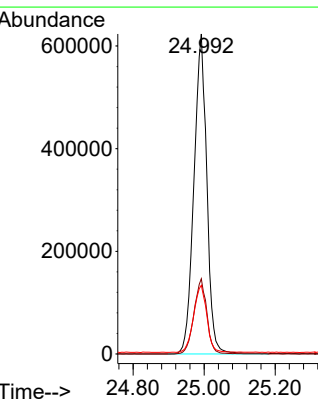
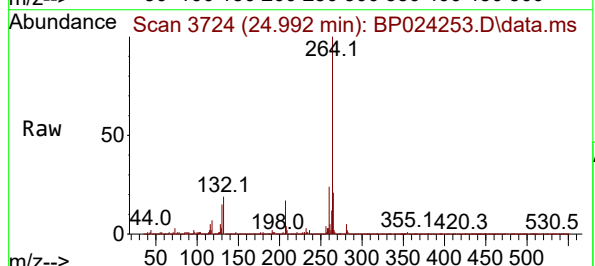
Tgt Ion:264 Resp: 1576982

Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 21.5 17.7 26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024253.D
Acq On : 10 Apr 2025 15:17
Operator : RC/JU
Sample : Q1746-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-149-GW01

A
B
C
D
E
F
G
H
I
J
K

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024253.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.899	300	308	317	rBV	241377	348645	1.40%	0.318%
2	5.358	379	386	402	rBV	2541603	3566321	14.29%	3.251%
3	6.922	643	652	667	rBV	1441888	2298472	9.21%	2.095%
4	7.740	782	791	798	rBV	954225	1473423	5.90%	1.343%
5	8.887	979	986	997	rBV	3088961	5008040	20.07%	4.565%
6	9.069	1003	1017	1028	rBV	876415	2225212	8.92%	2.029%
7	10.299	1219	1226	1241	rBV	455556	884774	3.55%	0.807%
8	10.516	1256	1263	1269	rBV	1193915	2051177	8.22%	1.870%
9	12.987	1675	1683	1698	rVB	7845489	11700819	46.89%	10.667%
10	13.922	1835	1842	1850	rBV	161296	303139	1.21%	0.276%
11	14.375	1913	1919	1926	rVB	1979511	2686864	10.77%	2.449%
12	15.193	2053	2058	2066	rVB2	493694	746146	2.99%	0.680%
13	15.757	2148	2154	2162	rBV	302646	470488	1.89%	0.429%
14	15.893	2170	2177	2197	rBV	6721930	9892528	39.64%	9.018%
15	17.175	2390	2395	2406	rVB2	2285811	3203941	12.84%	2.921%
16	17.481	2442	2447	2456	rVB	263456	386521	1.55%	0.352%
17	17.839	2503	2508	2512	rBV	566479	717564	2.88%	0.654%
18	18.128	2551	2557	2564	rBV	3604023	4849310	19.43%	4.421%
19	18.192	2564	2568	2573	rVB	483265	629956	2.52%	0.574%
20	19.339	2756	2763	2769	rBV	516572	899305	3.60%	0.820%
21	19.451	2777	2782	2800	rBV	6105900	9229938	36.99%	8.414%
22	19.592	2800	2806	2819	rVB	10331271	12449703	49.89%	11.349%
23	19.822	2841	2845	2848	rBV	258526	364379	1.46%	0.332%
24	19.904	2852	2859	2868	rVB2	12413558	24955647	100.00%	22.750%
25	21.298	3092	3096	3115	rVB2	250337	572196	2.29%	0.522%
26	21.616	3145	3150	3157	rBV2	2255241	3693701	14.80%	3.367%
27	24.992	3715	3724	3736	rVB	1649588	4086896	16.38%	3.726%

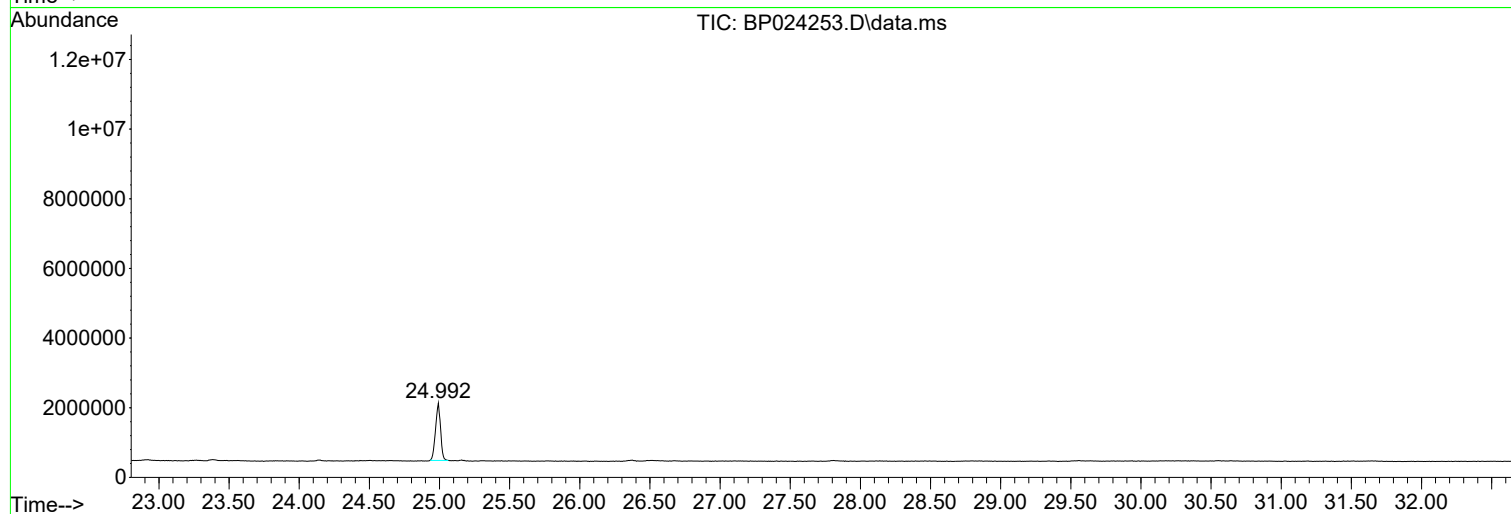
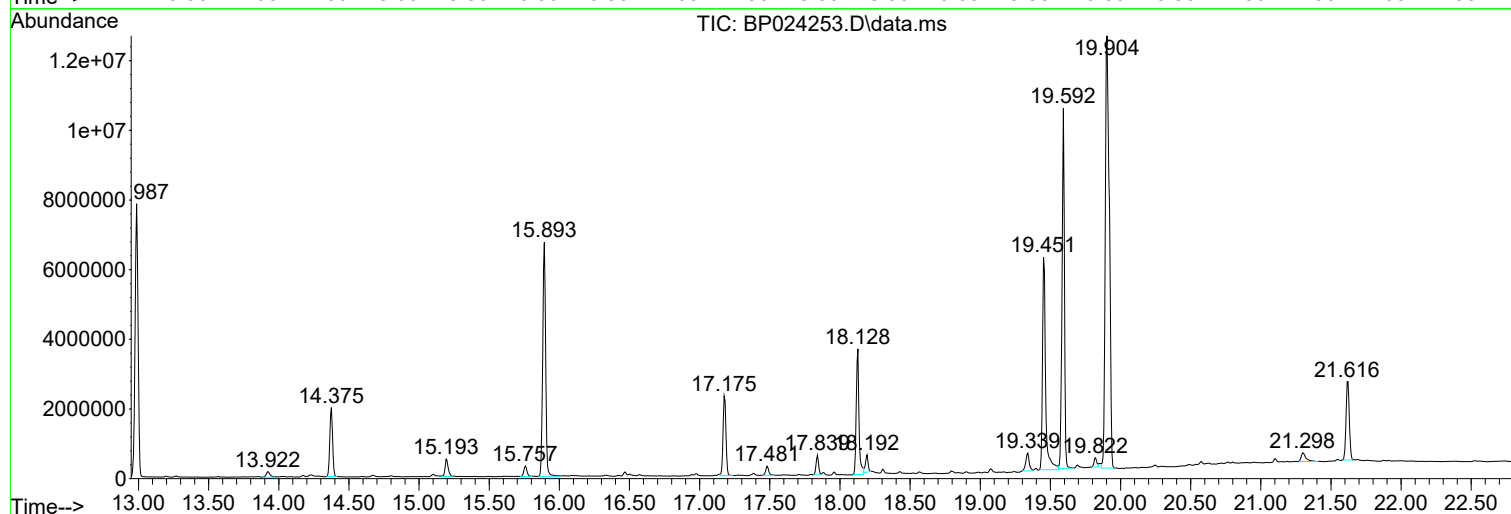
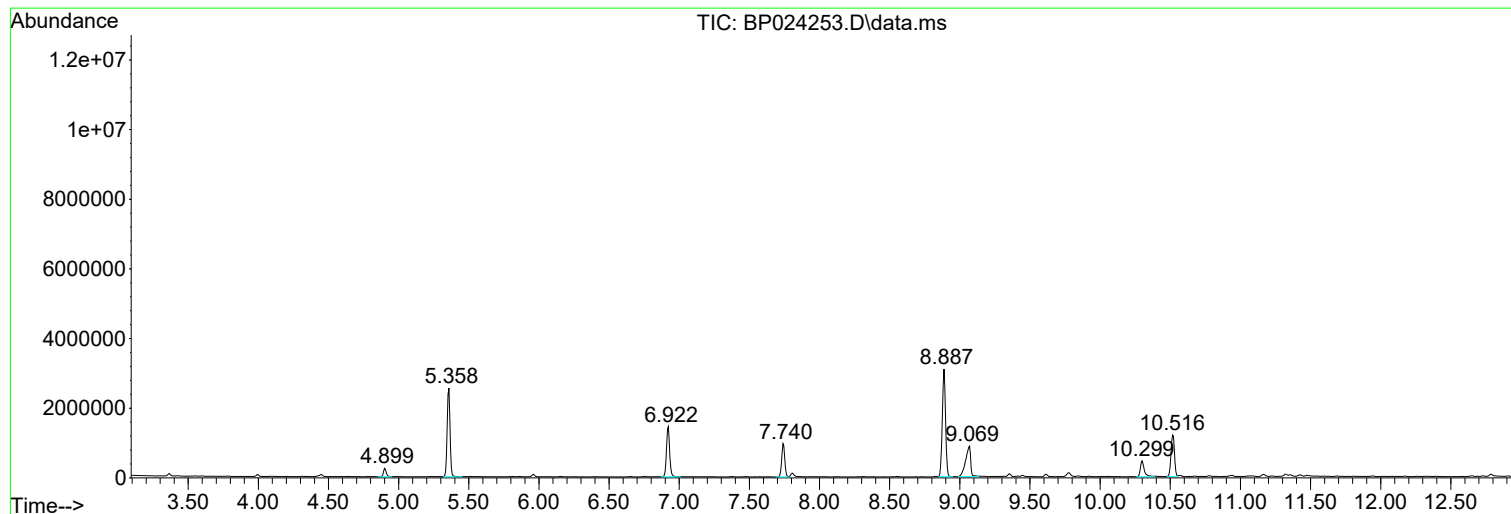
Sum of corrected areas: 109695105

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024253.D
Acq On : 10 Apr 2025 15:17
Operator : RC/JU
Sample : Q1746-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-149-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024253.D
Acq On : 10 Apr 2025 15:17
Operator : RC/JU
Sample : Q1746-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

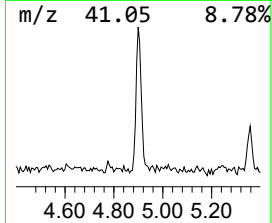
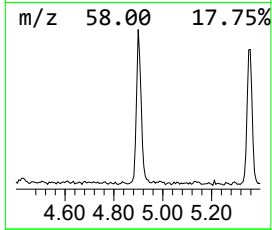
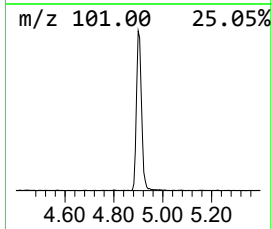
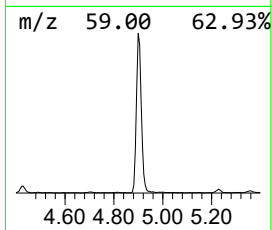
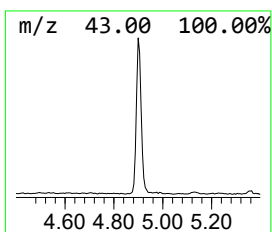
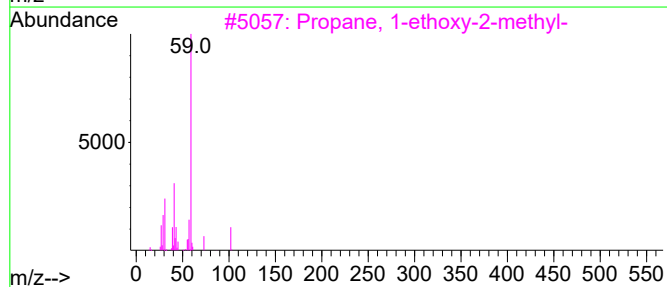
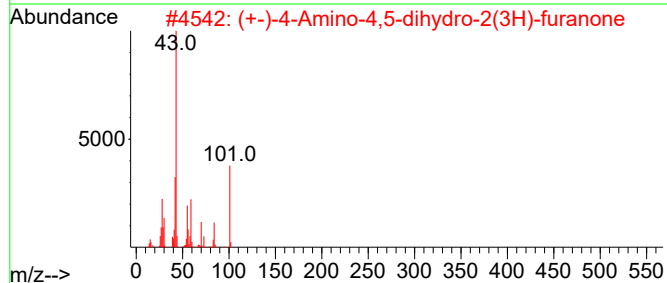
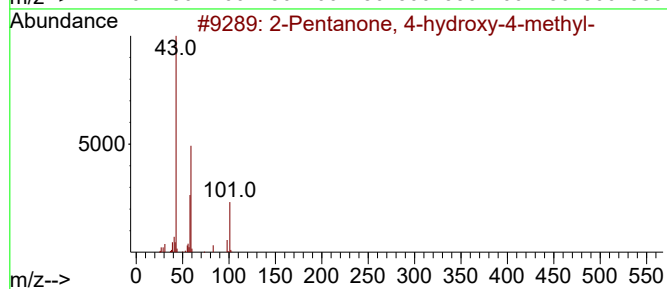
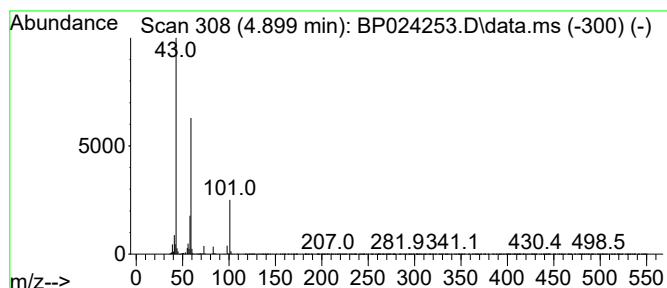
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ClientSampleId :
B-149-GW01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.899	4.73 ng	348645	1,4-Dichlorobenzene-d4	7.740	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	37
3	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	35
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024253.D
Acq On : 10 Apr 2025 15:17
Operator : RC/JU
Sample : Q1746-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-149-GW01

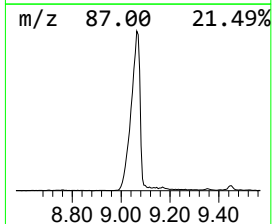
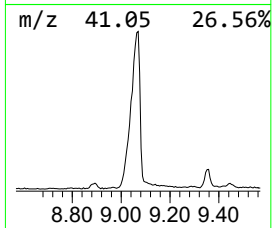
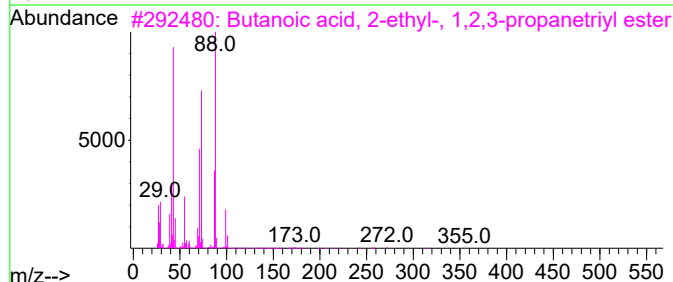
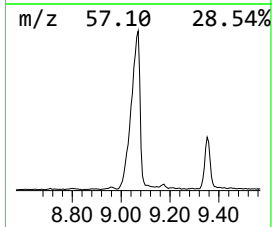
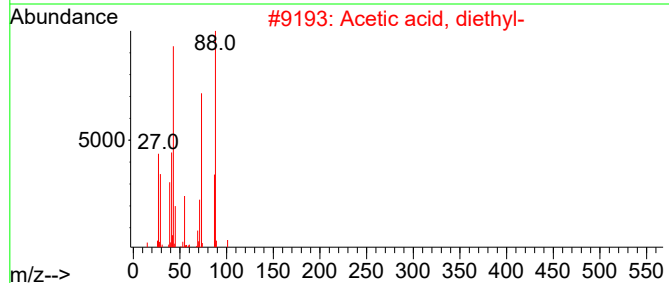
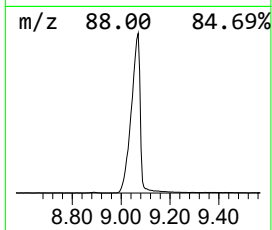
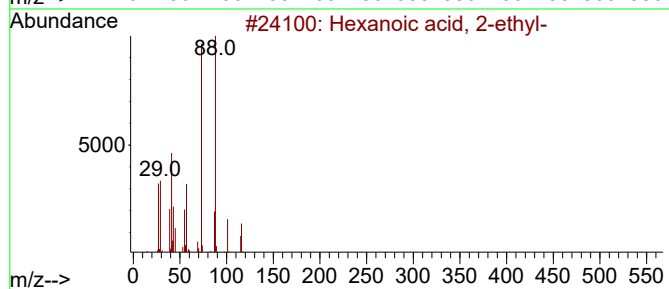
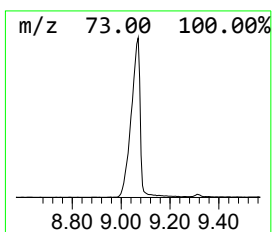
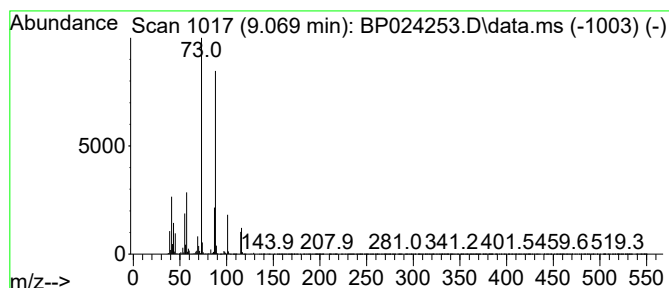
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Hexanoic acid, 2-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.069	30.20 ng	2225210	1,4-Dichlorobenzene-d4	7.740

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2			Acetic acid, diethyl-	116	C6H12O2	000088-09-5	59
3			Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	45
4			2-Ethyl-4-methylpentanoic acid	144	C8H16O2	000108-81-6	43
5			Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024253.D
Acq On : 10 Apr 2025 15:17
Operator : RC/JU
Sample : Q1746-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId :
B-149-GW01

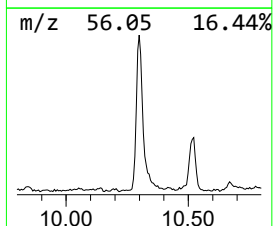
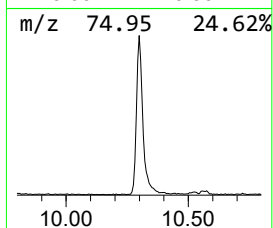
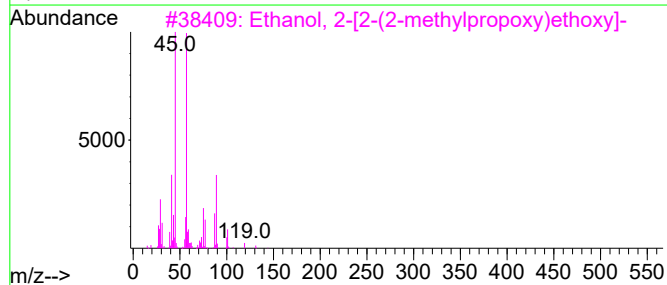
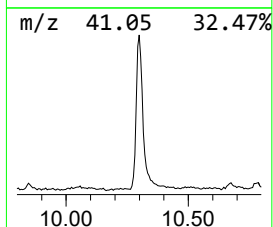
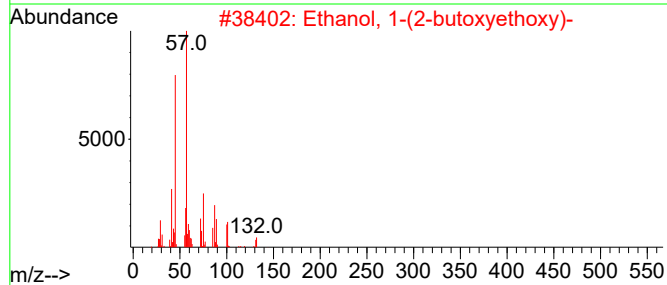
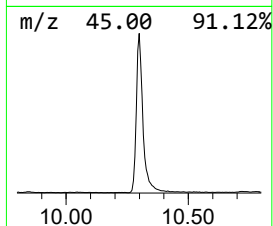
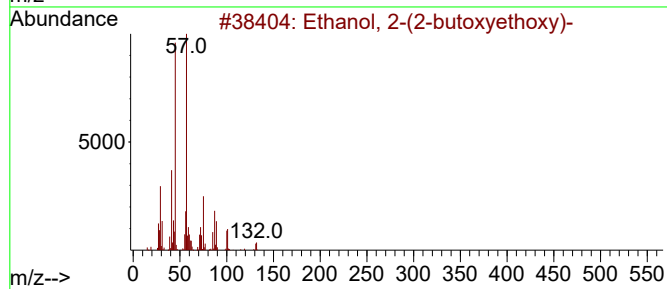
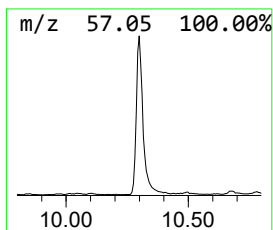
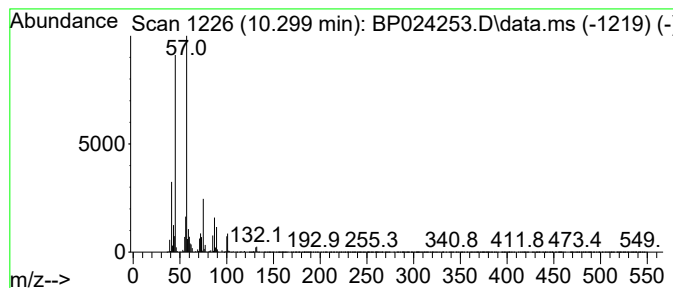
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.299	8.63 ng	884774	Naphthalene-d8	10.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	91
2			Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	83
3			Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	72
4			Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
5			Di-sec-Butyl ether	130	C8H18O	006863-58-7	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024253.D
Acq On : 10 Apr 2025 15:17
Operator : RC/JU
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Misc :
ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId :
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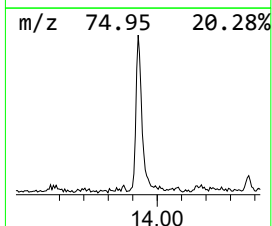
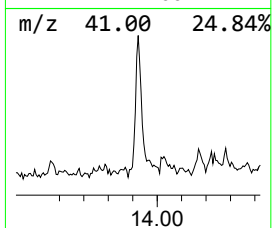
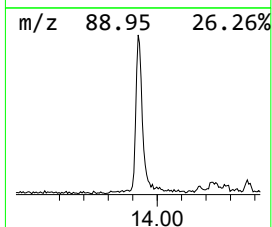
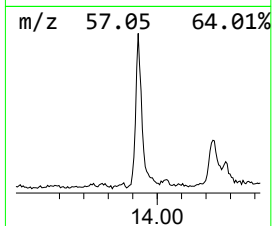
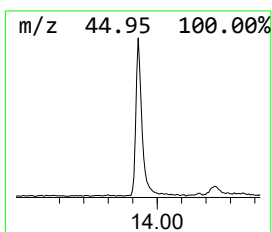
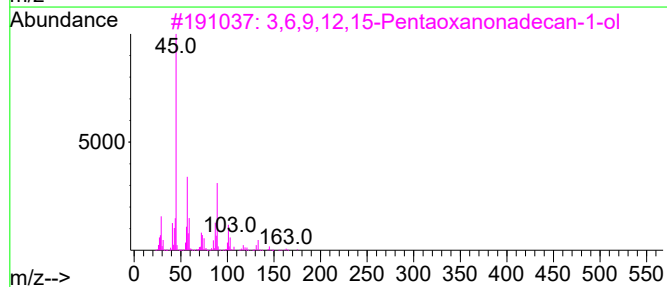
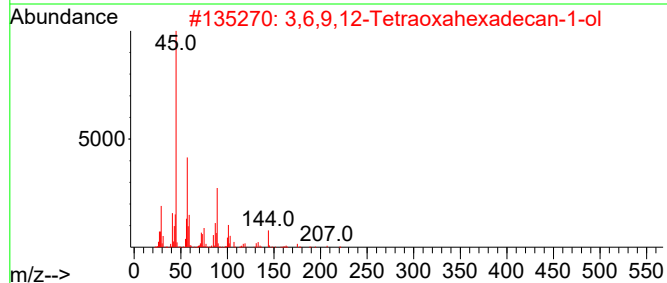
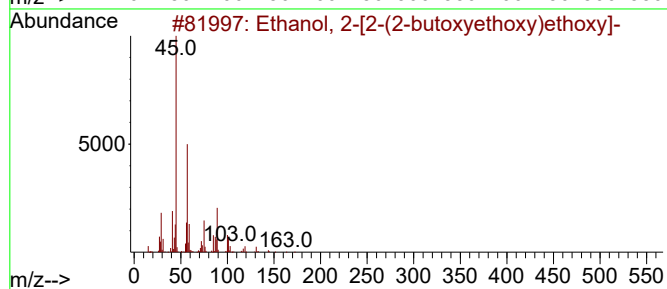
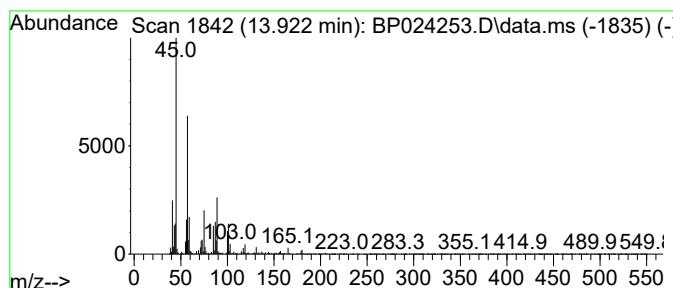
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Ethanol, 2-[2-(2-butoxyetho... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.922	2.26 ng	303139	Acenaphthene-d10	14.375

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	91
2			3,6,9,12-Tetraoxahexadecan-1-ol	250	C12H26O5	001559-34-8	72
3			3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	64
4			Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	64
5			Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024253.D
Acq On : 10 Apr 2025 15:17
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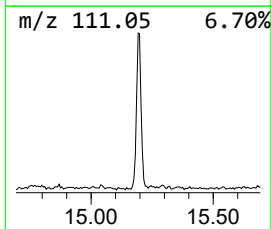
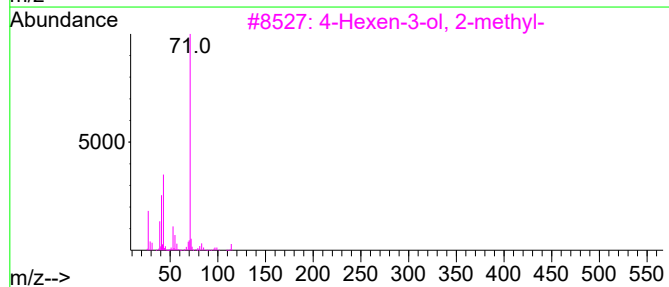
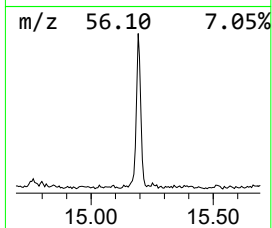
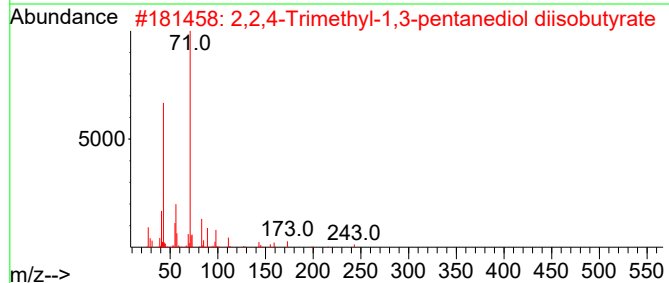
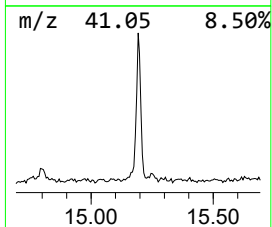
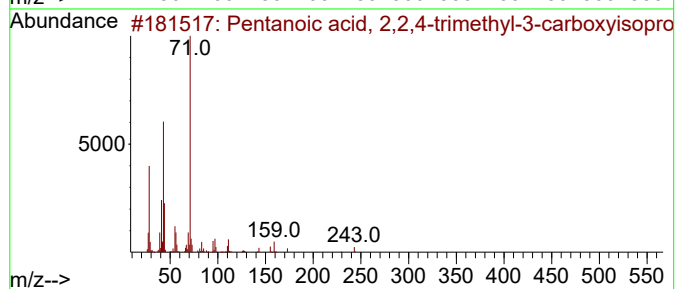
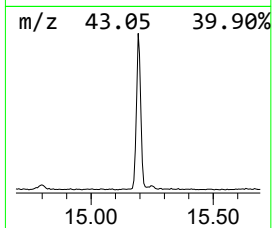
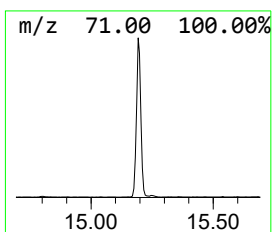
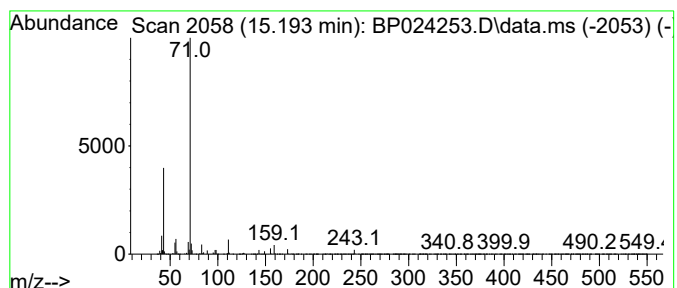
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Pentanoic acid, 2,2,4-trime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.193	5.55 ng	746146	Acenaphthene-d10	14.375

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentanoic acid, 2,2,4-trimethyl-...	286	C16H30O4	1000140-77-5	74
2			2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	56
3			4-Hexen-3-ol, 2-methyl-	114	C7H14O	004798-60-1	45
4			Fumaric acid, nonyl tetrahydrofu...	326	C18H30O5	1000330-58-3	45
5			Diethylmalonic acid, monochlorid...	262	C12H19ClO4	1000370-65-0	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024253.D
Acq On : 10 Apr 2025 15:17
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ALS Vial : 10 Sample Multiplier: 1

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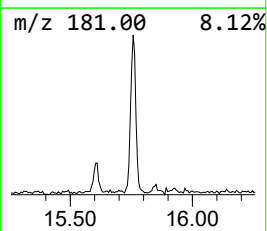
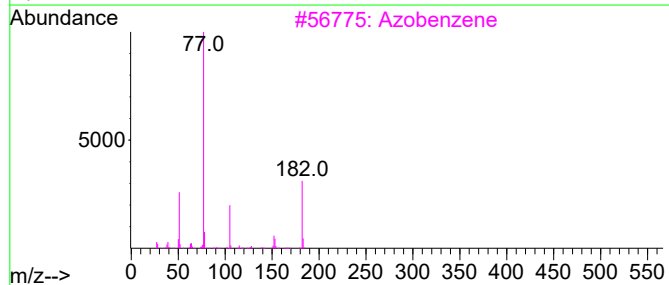
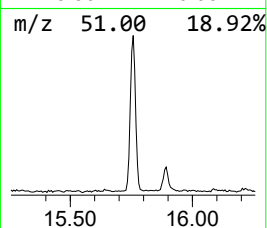
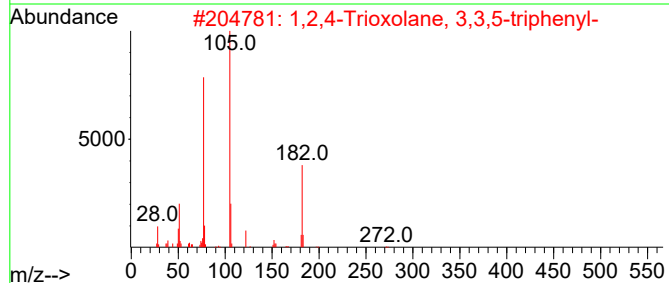
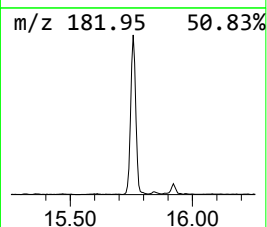
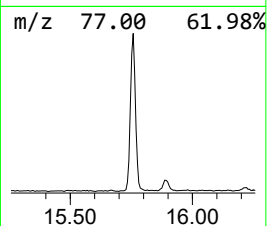
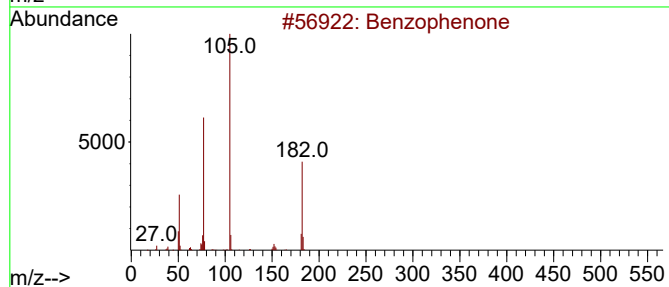
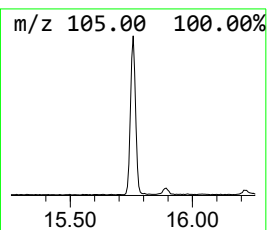
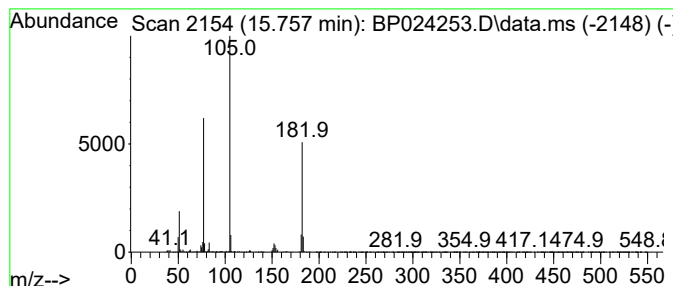
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzophenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.757	3.50 ng	470488	Acenaphthene-d10	14.375

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	50
3			Azobenzene	182	C12H10N2	000103-33-3	45
4			Azobenzene, (E)-	182	C12H10N2	017082-12-1	42
5			1,1-Diphenyl-2-phenylthiobut-3-e...	332	C22H20OS	097370-20-2	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
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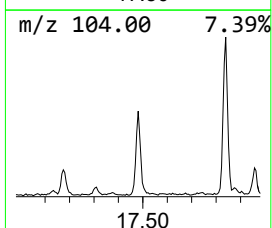
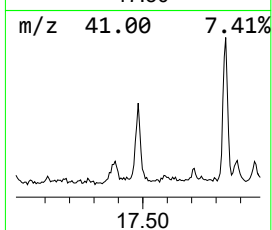
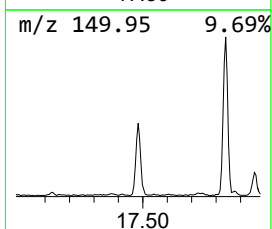
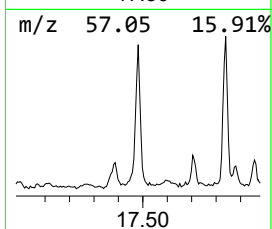
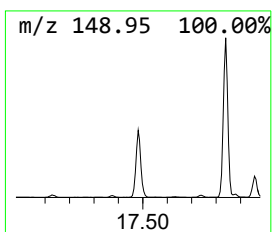
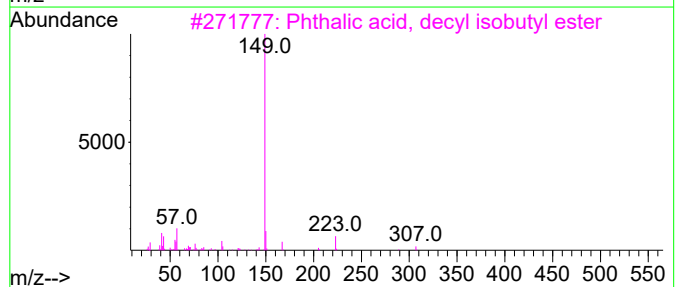
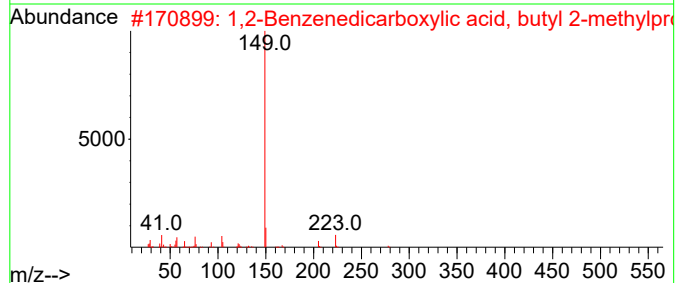
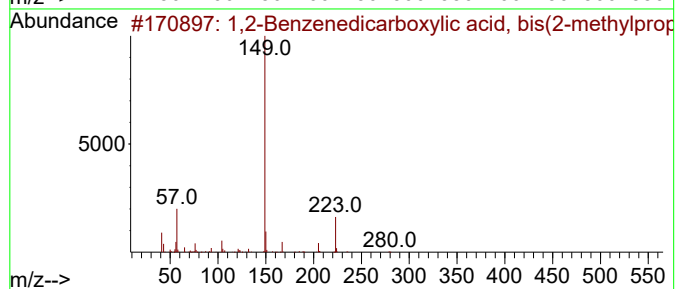
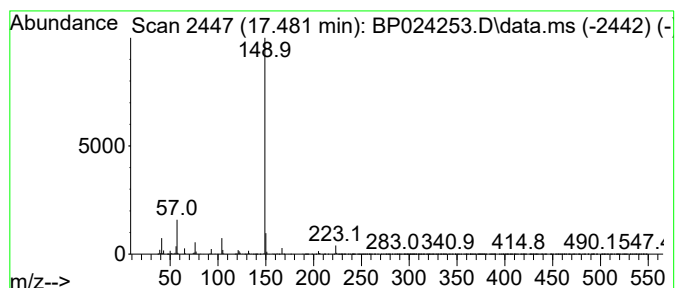
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 1,2-Benzenedicarboxylic aci... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.481	2.41 ng	386521	Phenanthrene-d10	17.175		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	91
2		1,2-Benzenedicarboxylic acid, bu...	278	C16H22O4	017851-53-5	86
3		Phthalic acid, decyl isobutyl ester	362	C22H34O4	1000308-94-2	83
4		Phthalic acid, butyl 2-ethylbuty...	306	C18H26O4	1000356-89-0	80
5		Dibutyl phthalate	278	C16H22O4	000084-74-2	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024253.D
Acq On : 10 Apr 2025 15:17
Operator : RC/JU
Sample : Q1746-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-149-GW01

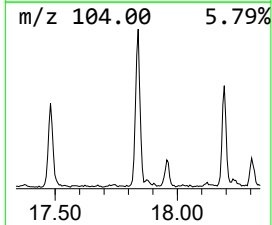
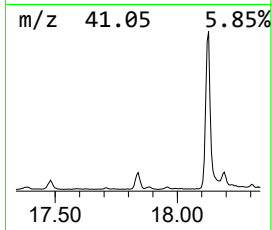
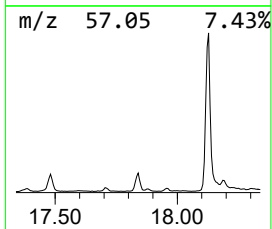
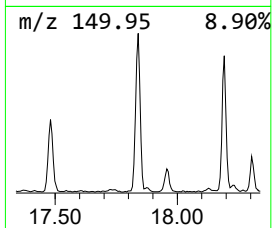
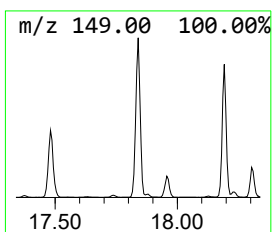
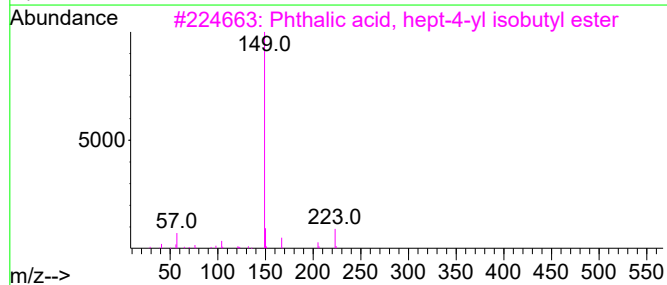
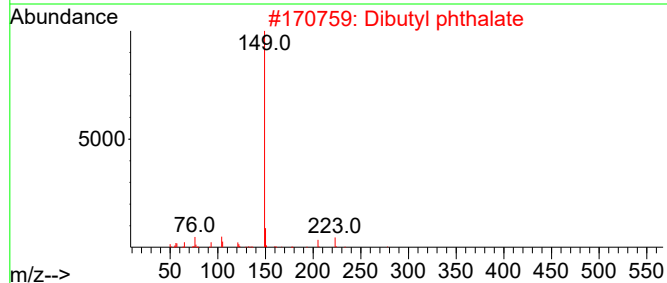
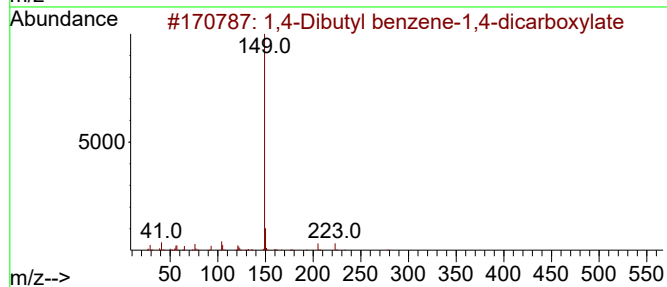
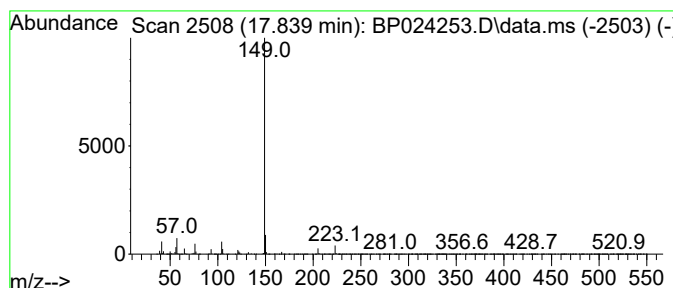
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1,4-Dibutyl benzene-1,4-dic... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.839	4.48 ng	717564	Phenanthrene-d10	17.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,4-Dibutyl benzene-1,4-dicarbox...	278	C16H22O4	001962-75-0	90
2			Dibutyl phthalate	278	C16H22O4	000084-74-2	90
3			Phthalic acid, hept-4-yl isobuty...	320	C19H28O4	1000356-78-3	83
4			Phthalic acid, cyclohexylmethyl ...	318	C19H26O4	1000309-08-6	83
5			1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
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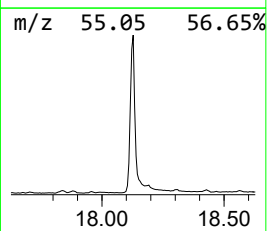
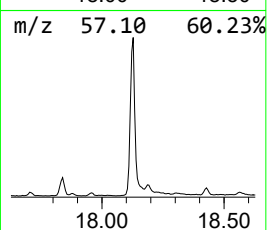
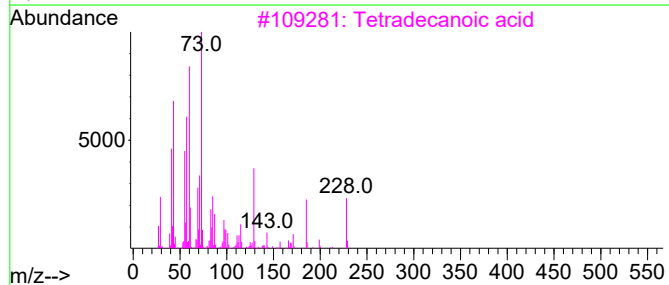
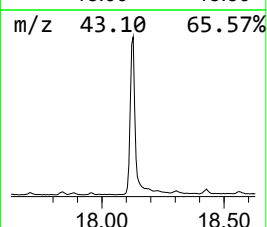
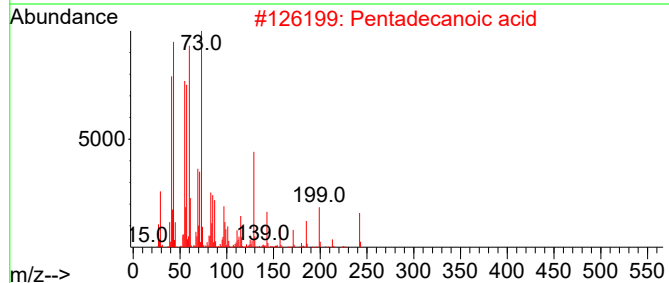
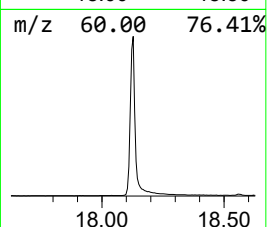
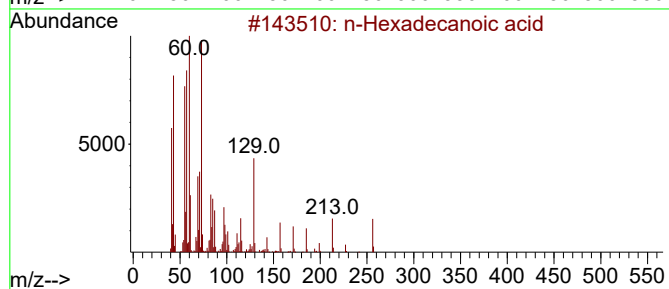
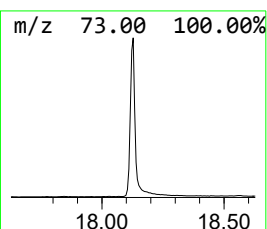
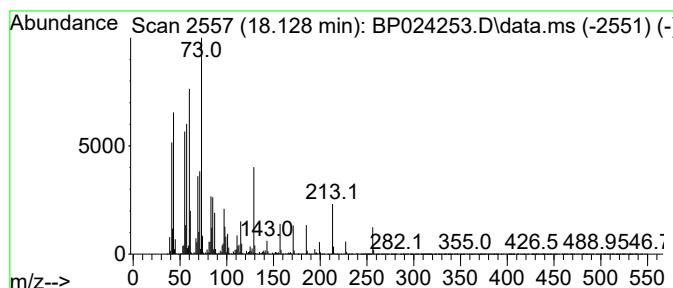
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.128	30.27 ng	4849310	Phenanthrene-d10		17.175	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid		242	C15H30O2	001002-84-2	90
3	Tetradecanoic acid		228	C14H28O2	000544-63-8	80
4	n-Decanoic acid		172	C10H20O2	000334-48-5	68
5	Tridecanoic acid		214	C13H26O2	000638-53-9	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024253.D
Acq On : 10 Apr 2025 15:17
Operator : RC/JU
Sample : Q1746-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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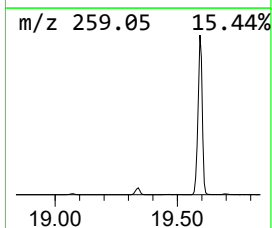
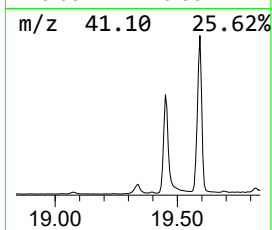
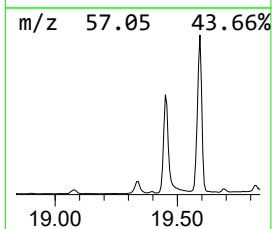
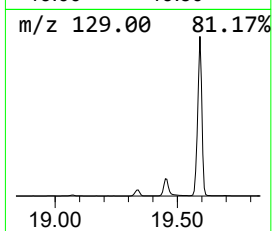
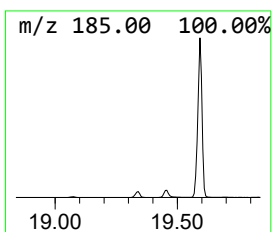
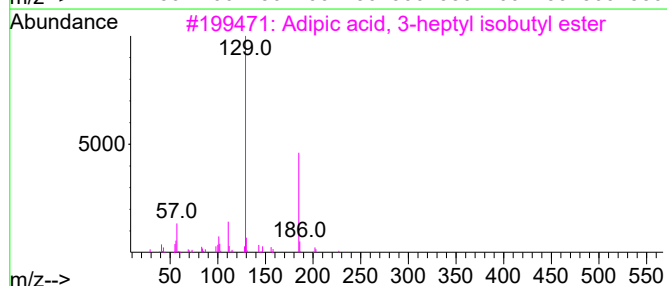
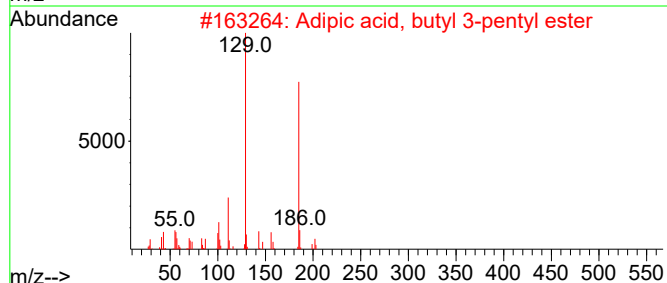
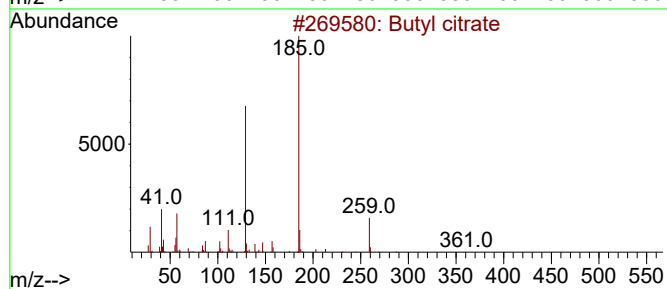
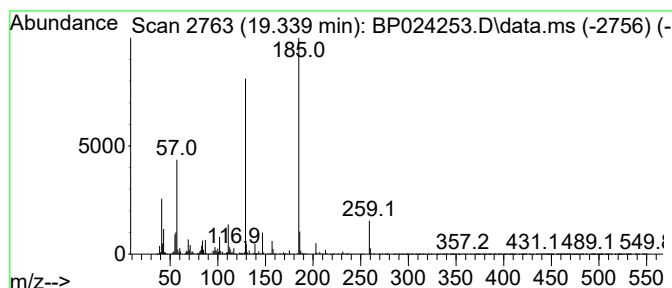
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Butyl citrate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.339	5.61 ng	899305	Phenanthrene-d10	17.175

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butyl citrate	360	C18H32O7	000077-94-1	91
2		Adipic acid, butyl 3-pentyl ester	272	C15H28O4	1000324-60-5	72
3		Adipic acid, 3-heptyl isobutyl e...	300	C17H32O4	1000353-64-8	72
4		Adipic acid, 4-heptyl isobutyl e...	300	C17H32O4	1000349-73-6	72
5		Adipic acid, 2-hexyl isobutyl ester	286	C16H30O4	1000353-70-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024253.D
Acq On : 10 Apr 2025 15:17
Operator : RC/JU
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Misc :
ALS Vial : 10 Sample Multiplier: 1

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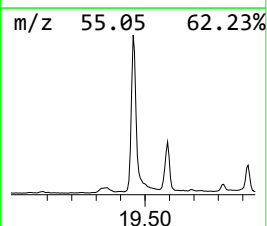
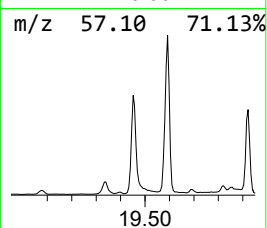
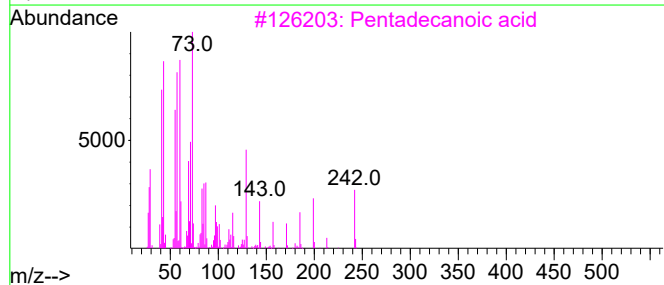
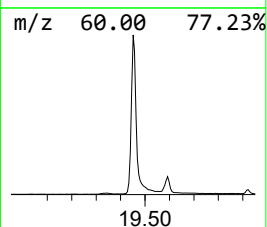
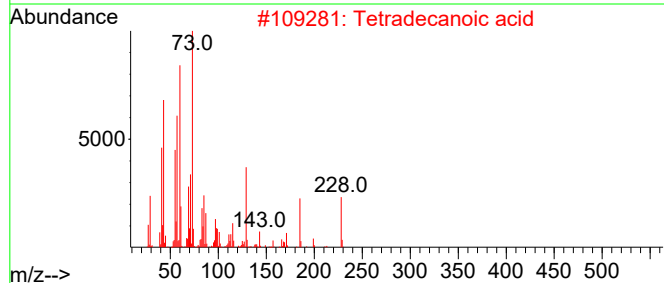
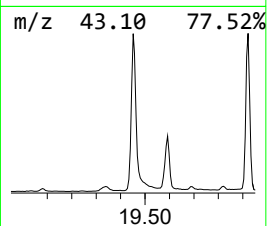
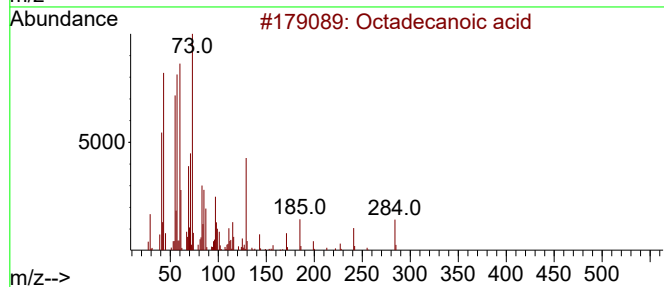
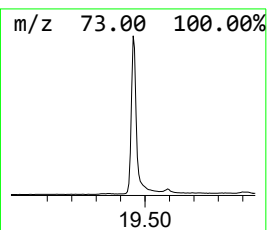
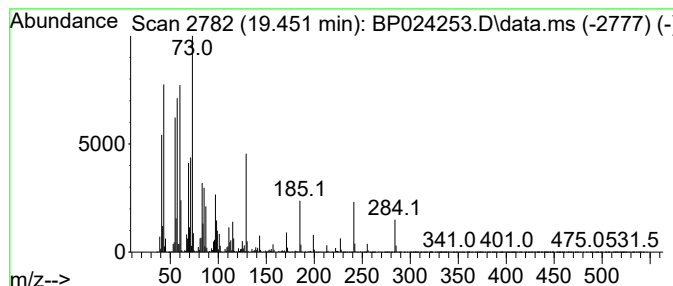
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.451	49.98 ng	9229940	Chrysene-d12	21.622

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	87
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	80
5			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
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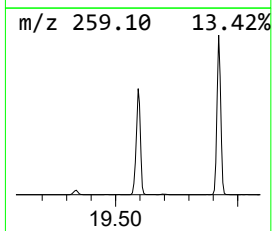
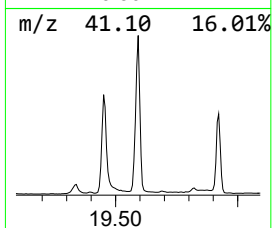
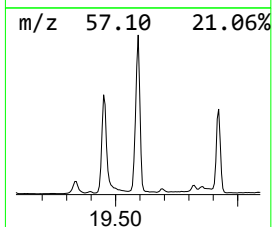
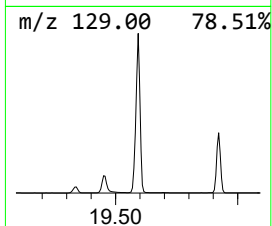
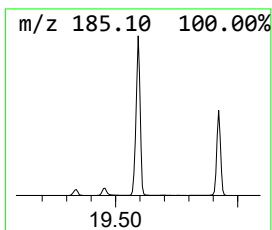
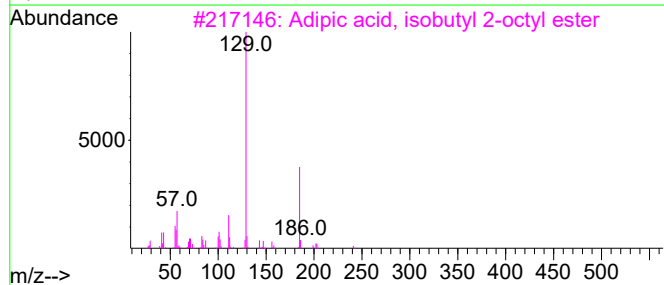
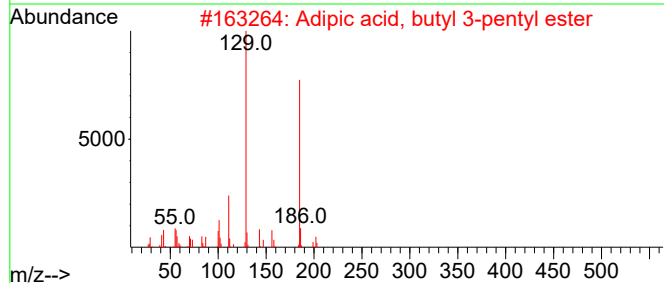
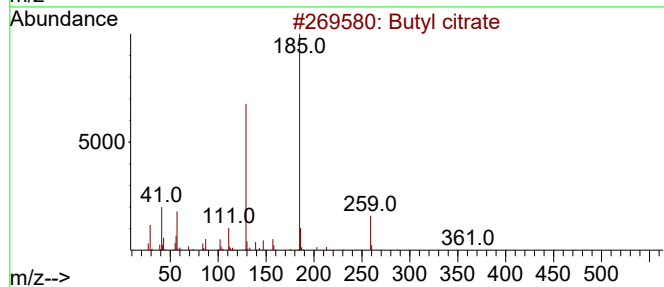
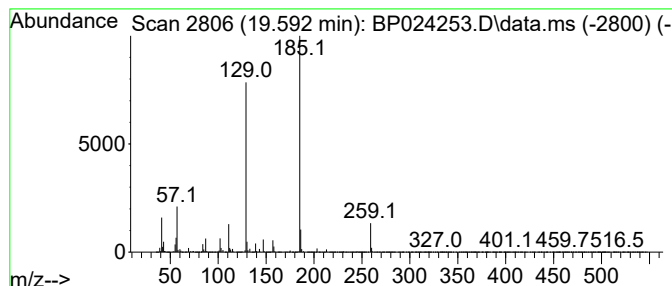
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Adipic acid, butyl 3-pentyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.592	67.41 ng	12449700	Chrysene-d12	21.622

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butyl citrate	360	C18H32O7	000077-94-1	94
2			Adipic acid, butyl 3-pentyl ester	272	C15H28O4	1000324-60-5	64
3			Adipic acid, isobutyl 2-octyl ester	314	C18H34O4	1000324-44-5	64
4			Adipic acid, isobutyl pent-4-en-...	270	C15H26O4	1000354-11-8	56
5			Adipic acid, cycloheptyl isobuty...	298	C17H30O4	1000324-71-5	56



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
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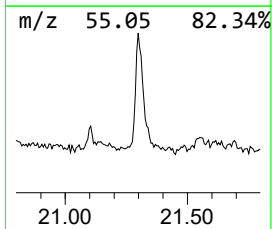
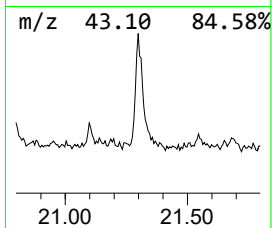
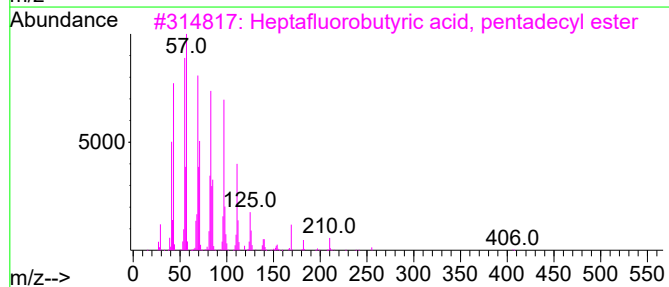
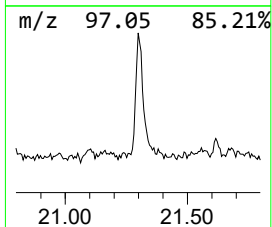
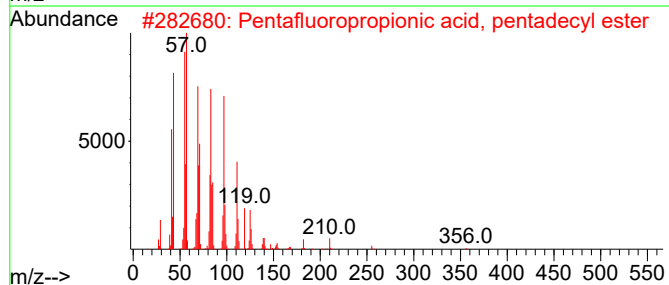
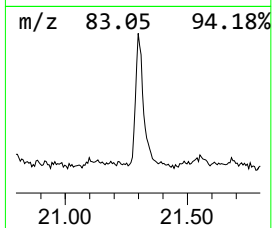
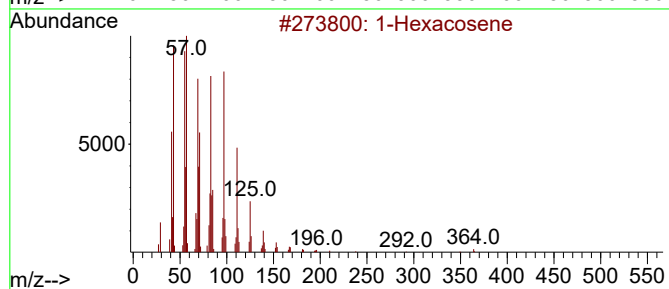
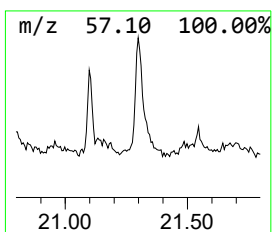
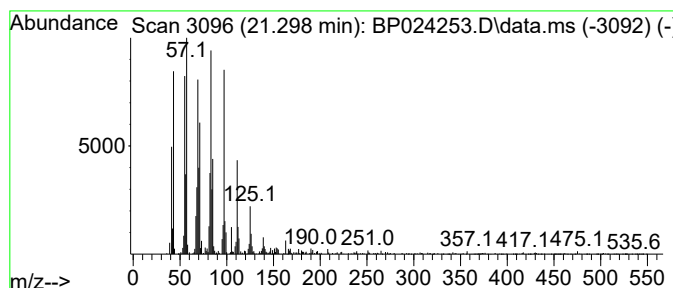
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 1-Hexacosene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.298	3.10 ng	572196	Chrysene-d12	21.622	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	94
2	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	91
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91
4	Pentacos-1-ene	350	C25H50	016980-85-1	91
5	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024253.D
Acq On : 10 Apr 2025 15:17
Operator : RC/JU
Sample : Q1746-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Hexanoic acid, ...	9.069	30.2	ng	2225210	1	7.740	1473420	20.0
Ethanol, 2-(2-b...	10.299	8.6	ng	884774	2	10.516	2051180	20.0
Ethanol, 2-[2-(...	13.922	2.3	ng	303139	3	14.375	2686860	20.0
Pentanoic acid,...	15.193	5.5	ng	746146	3	14.375	2686860	20.0
Benzophenone	15.757	3.5	ng	470488	3	14.375	2686860	20.0
1,2-Benzenedica...	17.481	2.4	ng	386521	4	17.175	3203940	20.0
1,4-Dibutyl ben...	17.839	4.5	ng	717564	4	17.175	3203940	20.0
n-Hexadecanoic ...	18.128	30.3	ng	4849310	4	17.175	3203940	20.0
Butyl citrate	19.339	5.6	ng	899305	4	17.175	3203940	20.0
Octadecanoic acid	19.451	50.0	ng	9229940	5	21.622	3693700	20.0
Adipic acid, bu...	19.592	67.4	ng	12449700	5	21.622	3693700	20.0
1-Hexacosene	21.298	3.1	ng	572196	5	21.622	3693700	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-2025-4-7

A
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K

Quant Time: Apr 09 18:26:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	235704	20.000	ng	-0.03
21) Naphthalene-d8	10.516	136	911036	20.000	ng	-0.04
39) Acenaphthene-d10	14.381	164	559100	20.000	ng	-0.02
64) Phenanthrene-d10	17.175	188	1174144	20.000	ng	-0.03
76) Chrysene-d12	21.616	240	1378627	20.000	ng	-0.04
86) Perylene-d12	24.992	264	1470675	20.000	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	1007759	68.250	ng	-0.02
7) Phenol-d6	6.922	99	762285	38.605	ng	-0.03
23) Nitrobenzene-d5	8.887	82	1695704	105.016	ng	-0.04
42) 2,4,6-Tribromophenol	15.892	330	1210524	171.887	ng	-0.02
45) 2-Fluorobiphenyl	12.993	172	3503535	92.399	ng	-0.02
79) Terphenyl-d14	19.898	244	6947270	104.022	ng	-0.02

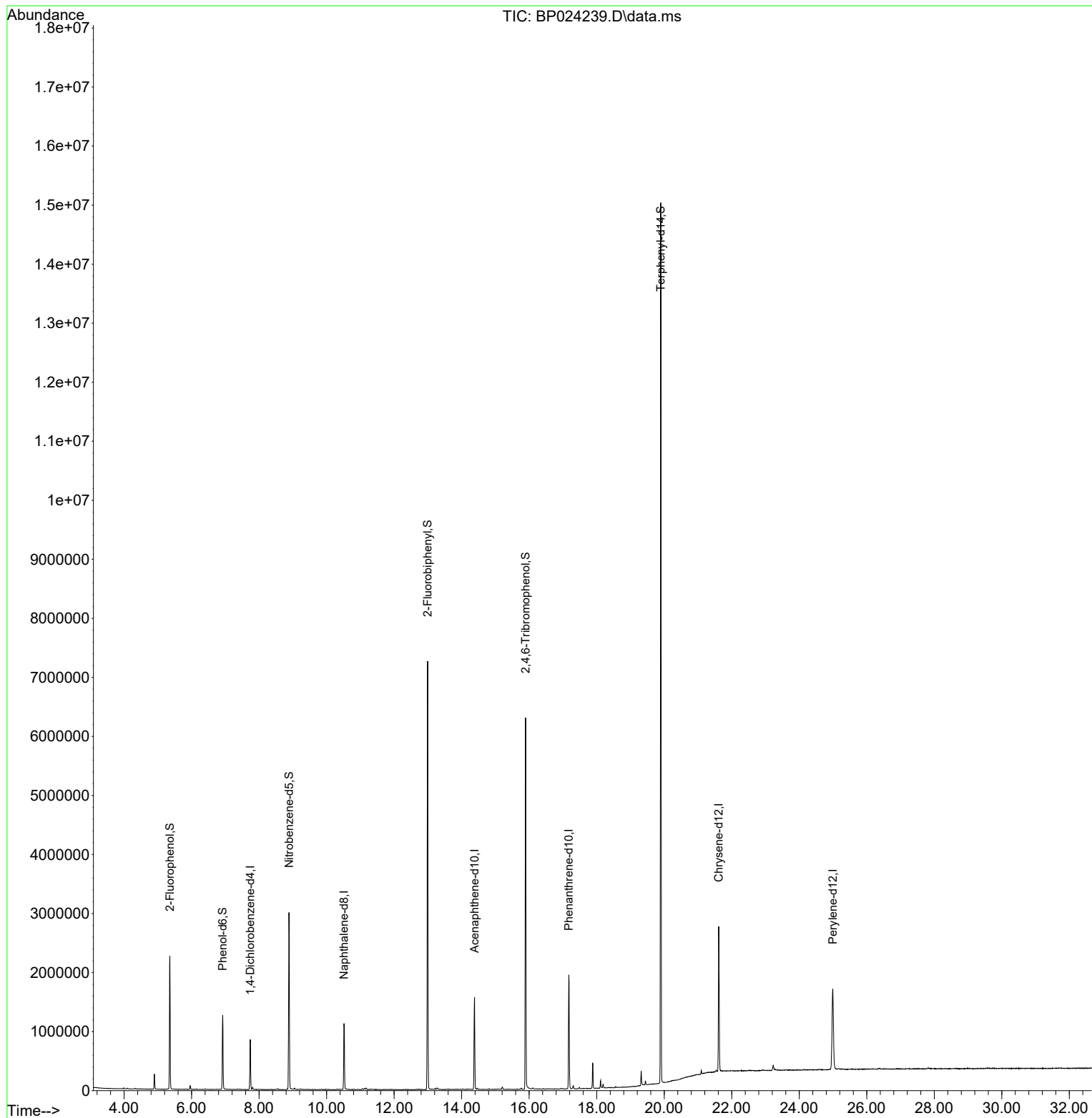
Target Compounds	Qvalue

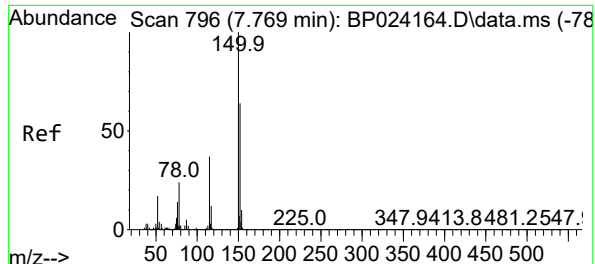
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024239.D
Acq On : 09 Apr 2025 17:41
Operator : RC/JU
Sample : Q1746-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-2025-4-7

Quant Time: Apr 09 18:26:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

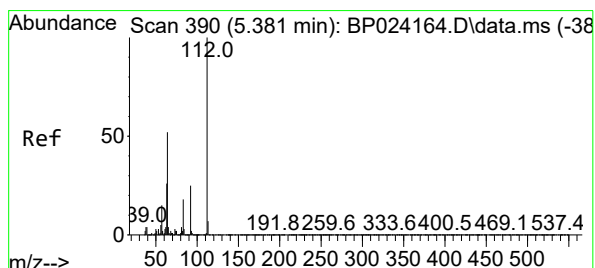
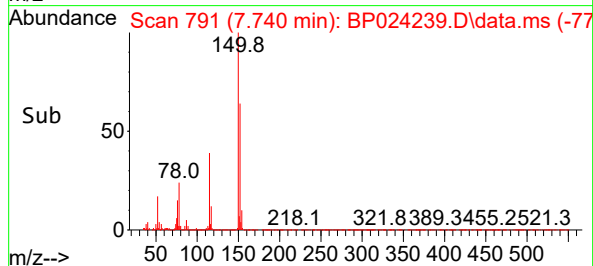
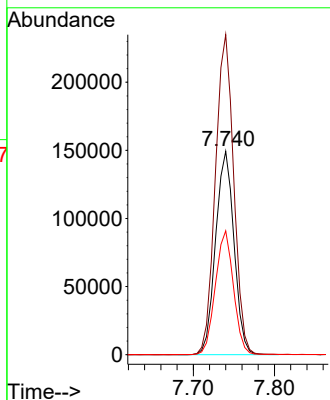
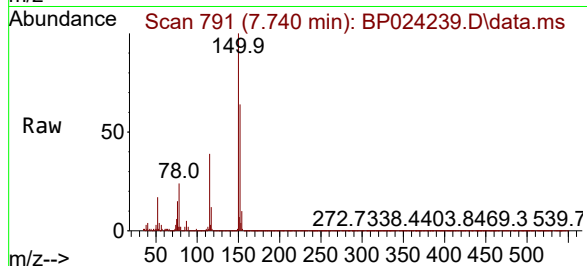




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 796
Delta R.T. -0.029 min
Lab File: BP024239.D
Acq: 09 Apr 2025 17:41

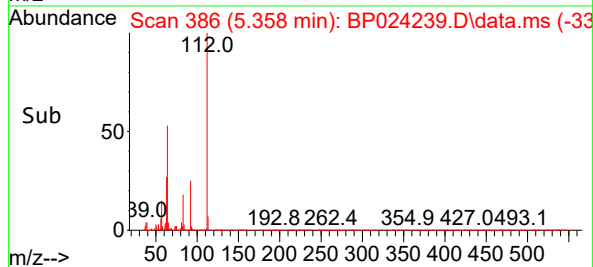
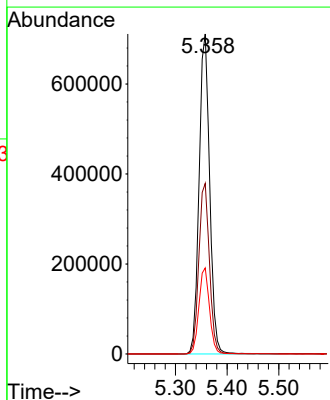
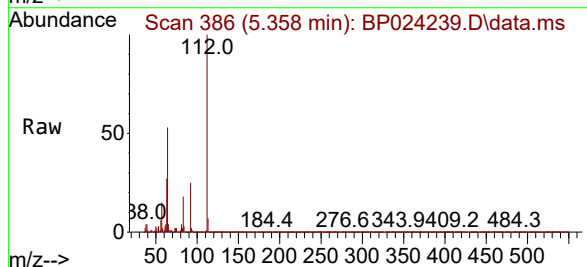
Instrument :
BNA_P
ClientSampleId :
EB-2025-4-7

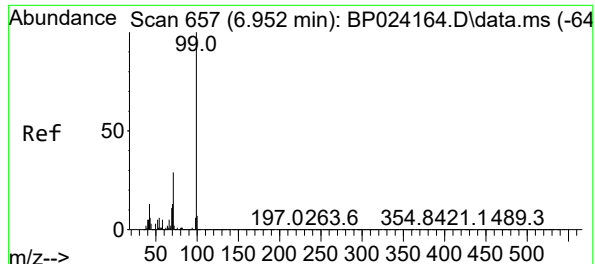
Tgt Ion:152 Resp: 235704
Ion Ratio Lower Upper
152 100
150 157.4 125.5 188.3
115 60.9 46.3 69.5



#5
2-Fluorophenol
Concen: 68.250 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024239.D
Acq: 09 Apr 2025 17:41

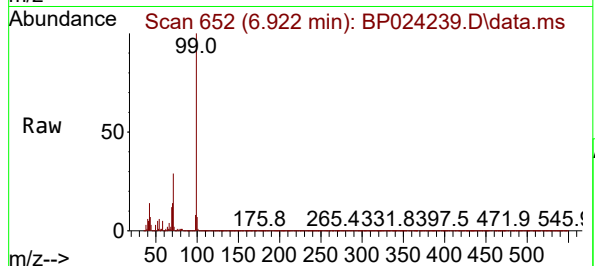
Tgt Ion:112 Resp: 1007759
Ion Ratio Lower Upper
112 100
64 53.3 41.3 61.9
63 26.9 20.6 31.0



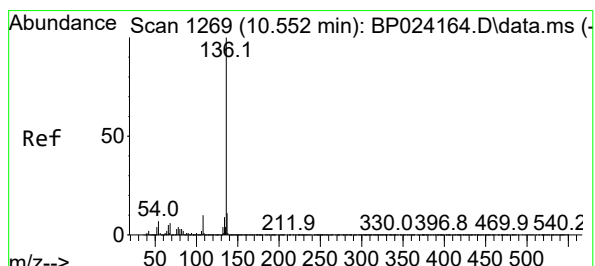
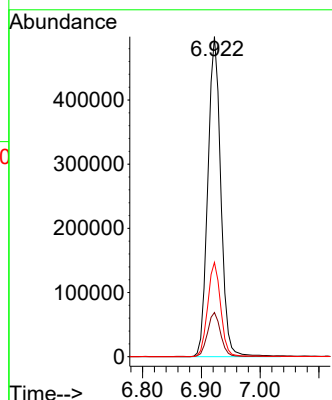
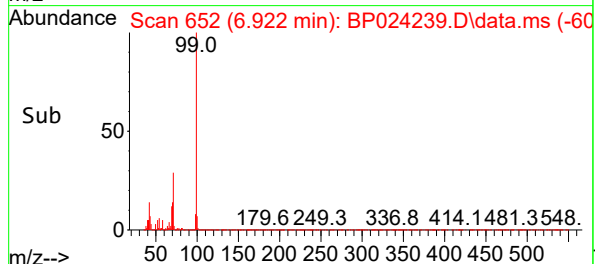


#7
Phenol-d6
Concen: 38.605 ng
RT: 6.922 min Scan# 61
Delta R.T. -0.030 min
Lab File: BP024239.D
Acq: 09 Apr 2025 17:41

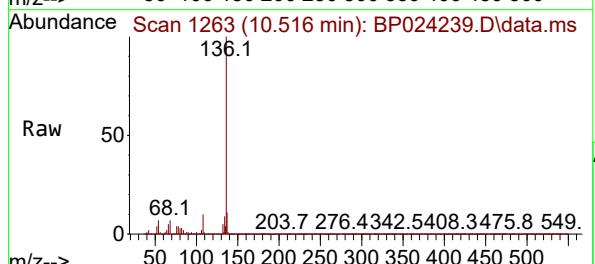
Instrument :
BNA_P
ClientSampleId :
EB-2025-4-7



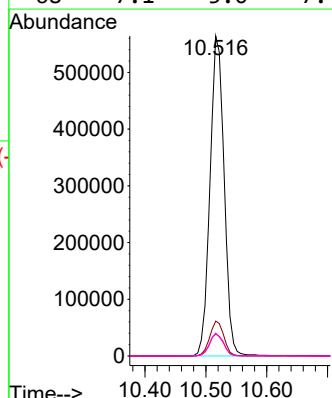
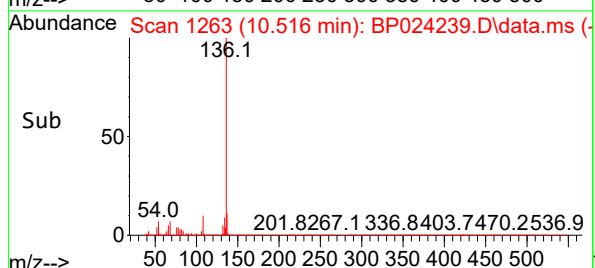
Tgt Ion: 99 Resp: 762285
Ion Ratio Lower Upper
99 100
42 13.8 10.6 16.0
71 29.4 23.3 34.9

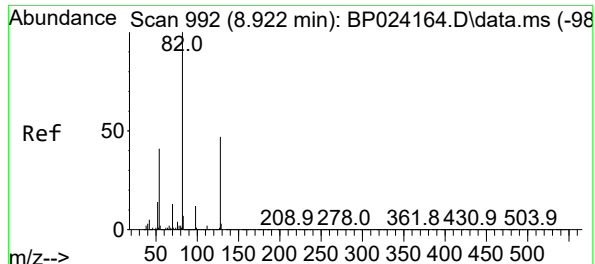


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.035 min
Lab File: BP024239.D
Acq: 09 Apr 2025 17:41



Tgt Ion: 136 Resp: 911036
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 6.8 5.3 7.9
68 7.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 105.016 ng

RT: 8.887 min Scan# 91

Delta R.T. -0.035 min

Lab File: BP024239.D

Acq: 09 Apr 2025 17:41

Instrument :

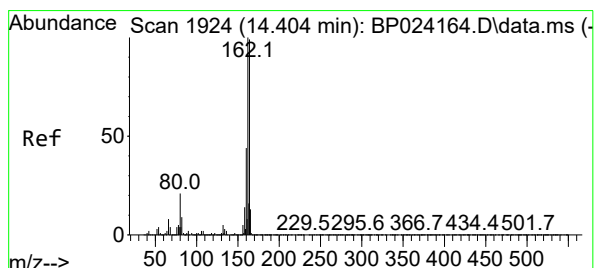
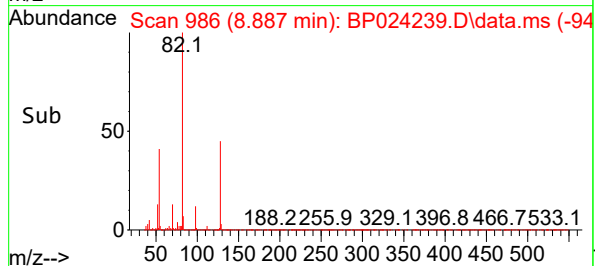
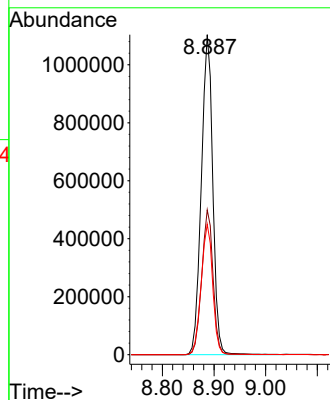
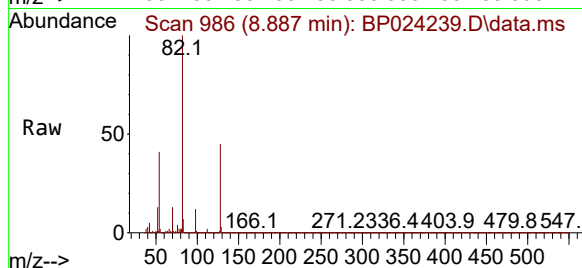
BNA_P

ClientSampleId :

EB-2025-4-7

Tgt Ion: 82 Resp: 1695704

Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.4	56.0
54	40.8	32.5	48.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.381 min Scan# 1920

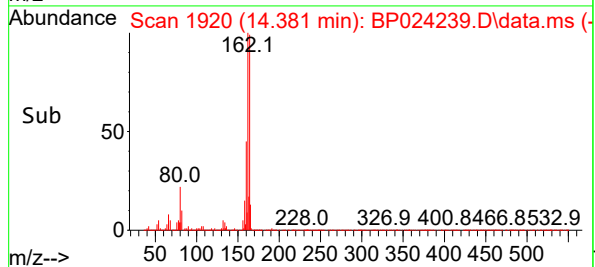
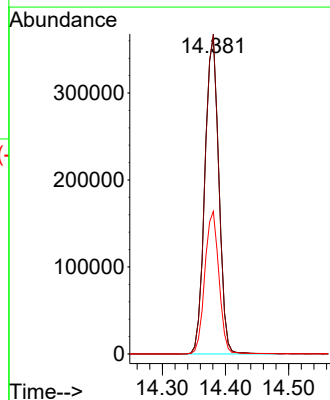
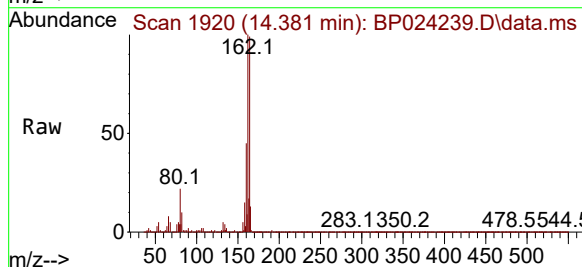
Delta R.T. -0.024 min

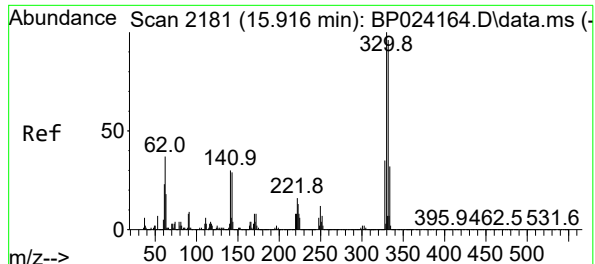
Lab File: BP024239.D

Acq: 09 Apr 2025 17:41

Tgt Ion: 164 Resp: 559100

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	121.0
160	45.0	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 171.887 ng

RT: 15.892 min Scan# 2181

Delta R.T. -0.024 min

Lab File: BP024239.D

Acq: 09 Apr 2025 17:41

Instrument :

BNA_P

ClientSampleId :

EB-2025-4-7

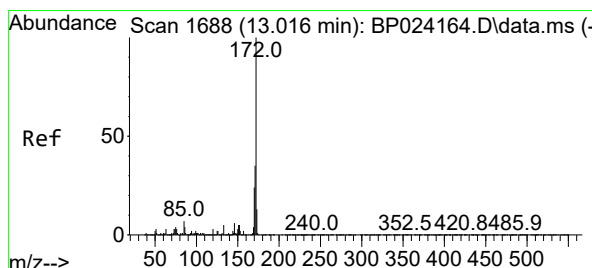
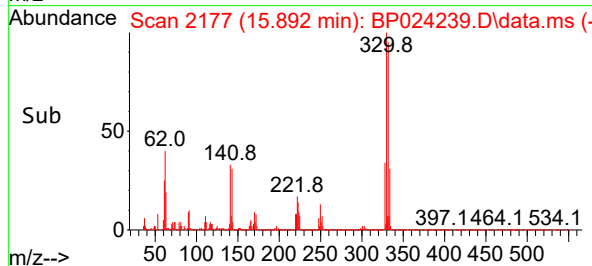
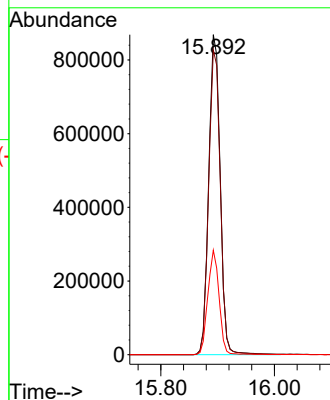
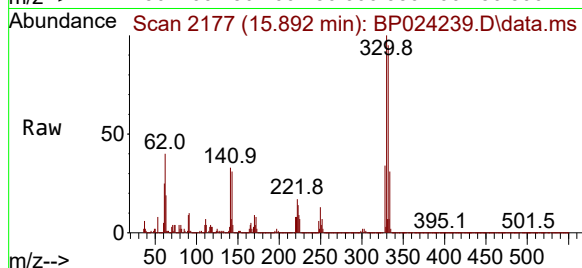
Tgt Ion:330 Resp: 1210524

Ion Ratio Lower Upper

330 100

332 96.5 77.6 116.4

141 32.2 25.0 37.6



#45

2-Fluorobiphenyl

Concen: 92.399 ng

RT: 12.993 min Scan# 1684

Delta R.T. -0.024 min

Lab File: BP024239.D

Acq: 09 Apr 2025 17:41

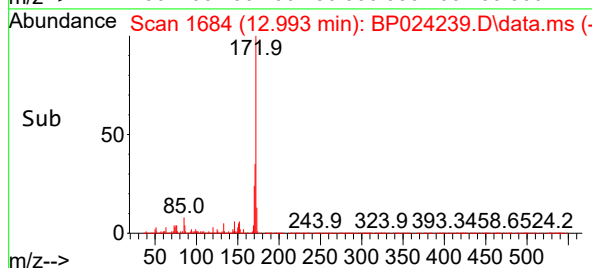
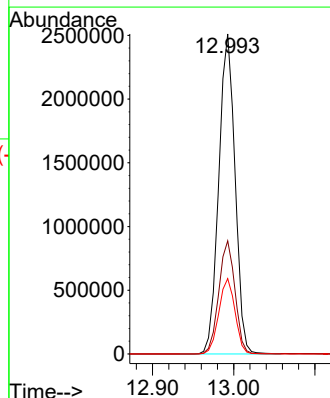
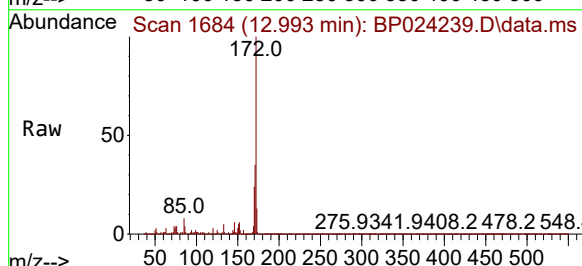
Tgt Ion:172 Resp: 3503535

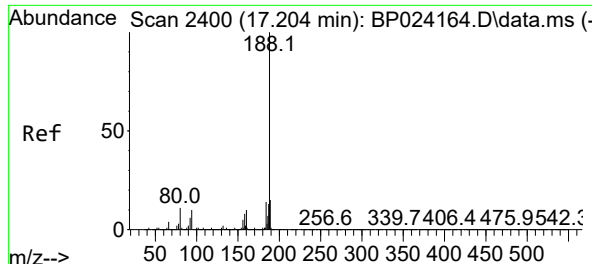
Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.6 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.175 min Scan# 21

Delta R.T. -0.030 min

Lab File: BP024239.D

Acq: 09 Apr 2025 17:41

Instrument :

BNA_P

ClientSampleId :

EB-2025-4-7

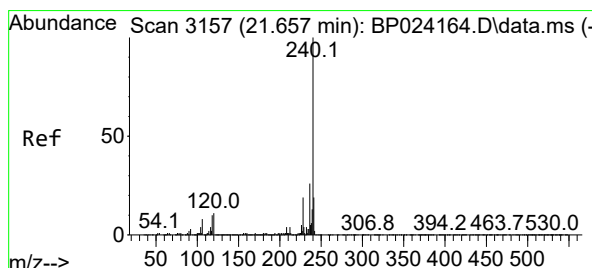
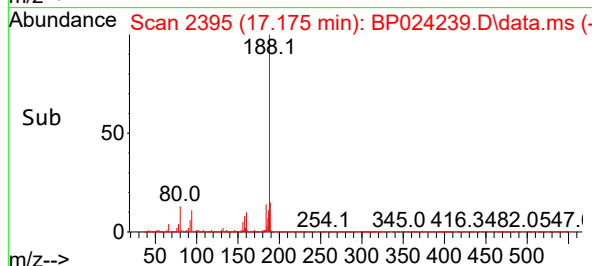
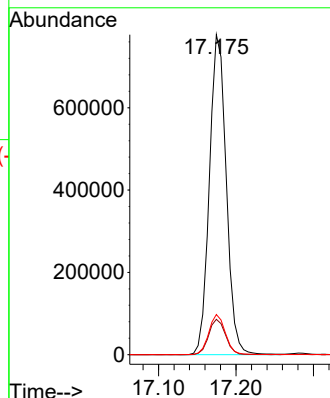
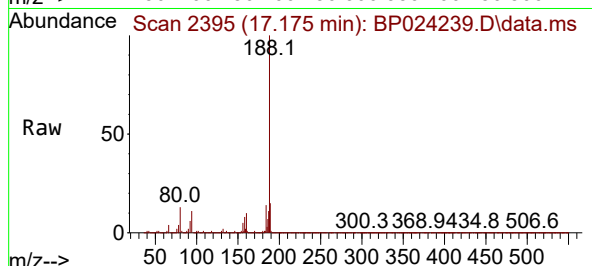
Tgt Ion:188 Resp: 1174144

Ion Ratio Lower Upper

188 100

94 11.0 8.1 12.1

80 12.6 8.9 13.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.616 min Scan# 3150

Delta R.T. -0.041 min

Lab File: BP024239.D

Acq: 09 Apr 2025 17:41

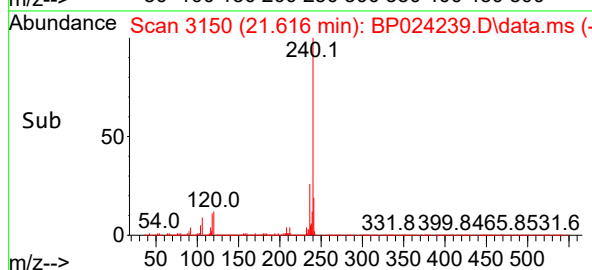
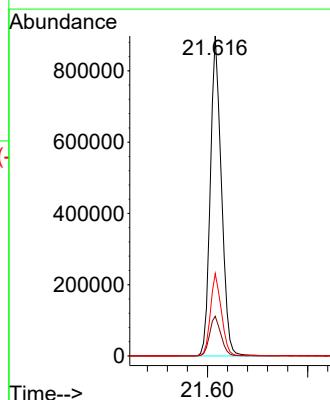
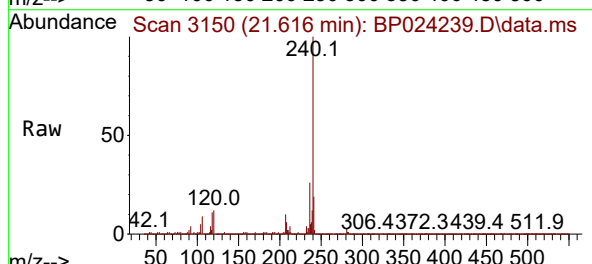
Tgt Ion:240 Resp: 1378627

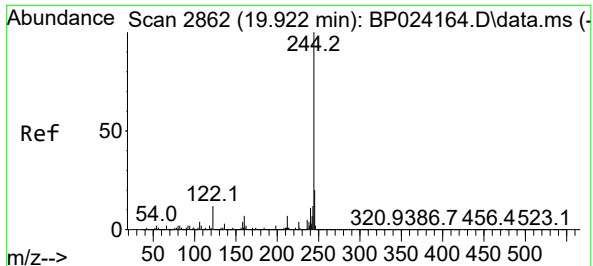
Ion Ratio Lower Upper

240 100

120 12.4 9.2 13.8

236 25.8 20.4 30.6

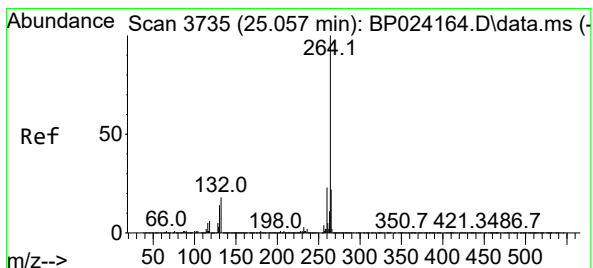
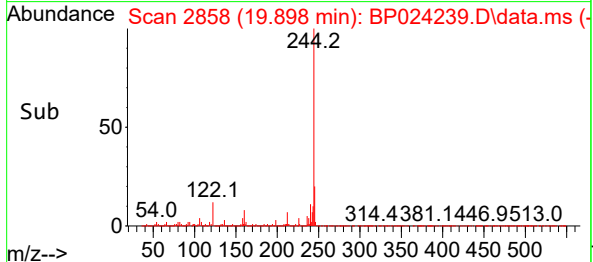
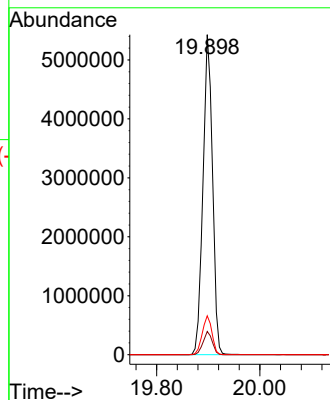
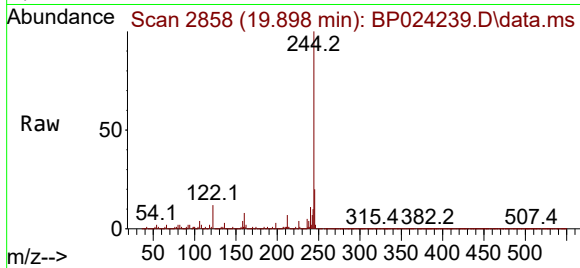




#79
Terphenyl-d14
Concen: 104.022 ng
RT: 19.898 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP024239.D
Acq: 09 Apr 2025 17:41

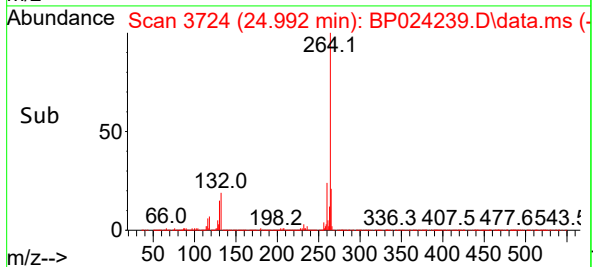
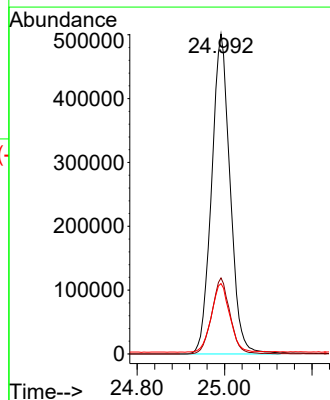
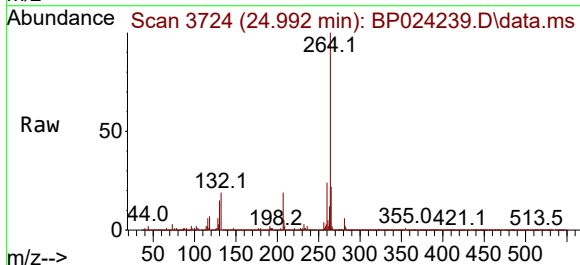
Instrument :
BNA_P
ClientSampleId :
EB-2025-4-7

Tgt Ion:244 Resp: 6947270
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 12.1 9.6 14.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.992 min Scan# 3724
Delta R.T. -0.065 min
Lab File: BP024239.D
Acq: 09 Apr 2025 17:41

Tgt Ion:264 Resp: 1470675
Ion Ratio Lower Upper
264 100
260 23.7 18.5 27.7
265 22.0 17.7 26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024239.D
Acq On : 09 Apr 2025 17:41
Operator : RC/JU
Sample : Q1746-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-2025-4-7

A
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K

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024239.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.899	302	308	318	rBV	256976	352636	1.85%	0.539%
2	5.358	379	386	402	rVB	2257672	3201655	16.77%	4.891%
3	6.922	643	652	664	rBV	1254661	1942775	10.18%	2.968%
4	7.740	782	791	798	rBV	846439	1341031	7.03%	2.049%
5	8.887	979	986	999	rBV	2996158	4610863	24.16%	7.043%
6	10.516	1256	1263	1271	rBV	1117604	1804065	9.45%	2.756%
7	12.993	1676	1684	1695	rBV	7257286	10153429	53.20%	15.510%
8	14.381	1910	1920	1930	rBV	1559647	2425654	12.71%	3.705%
9	15.892	2170	2177	2196	rBV	6293738	8876721	46.51%	13.560%
10	17.175	2387	2395	2407	rBV2	1927931	2955079	15.48%	4.514%
11	17.880	2509	2515	2525	rVB2	426490	595523	3.12%	0.910%
12	19.316	2755	2759	2769	rBV	245186	362638	1.90%	0.554%
13	19.898	2852	2858	2868	rBV	14913362	19086203	100.00%	29.156%
14	21.616	3144	3150	3162	rBV	2457177	3849444	20.17%	5.880%
15	24.992	3715	3724	3739	rVB	1357336	3905058	20.46%	5.965%

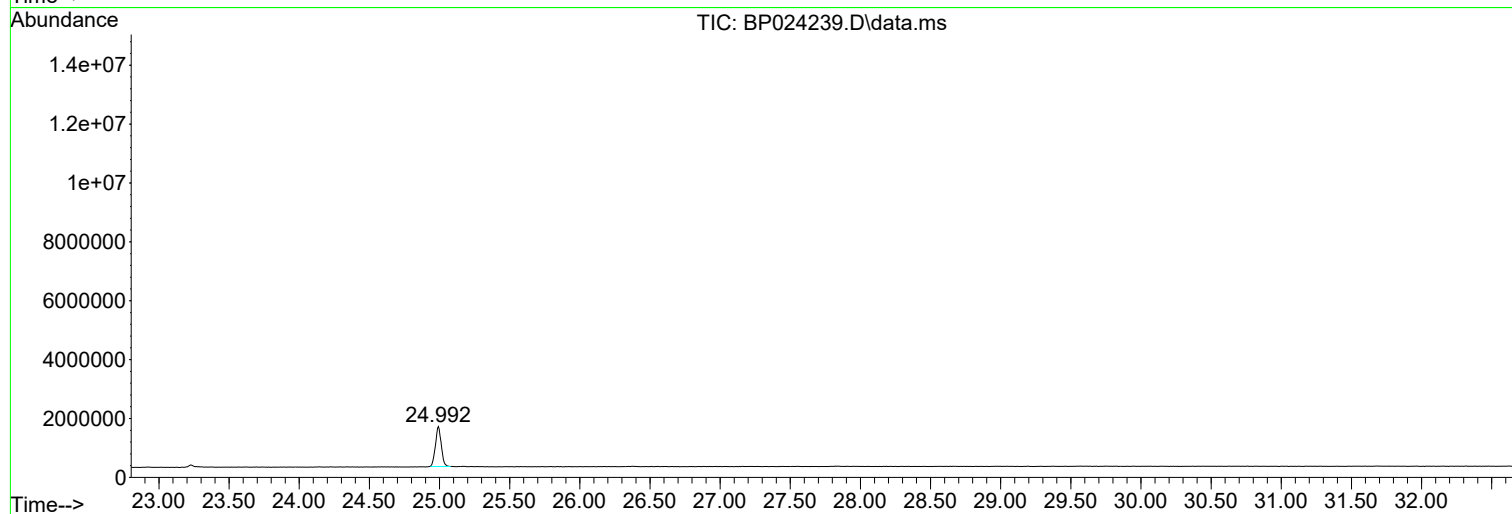
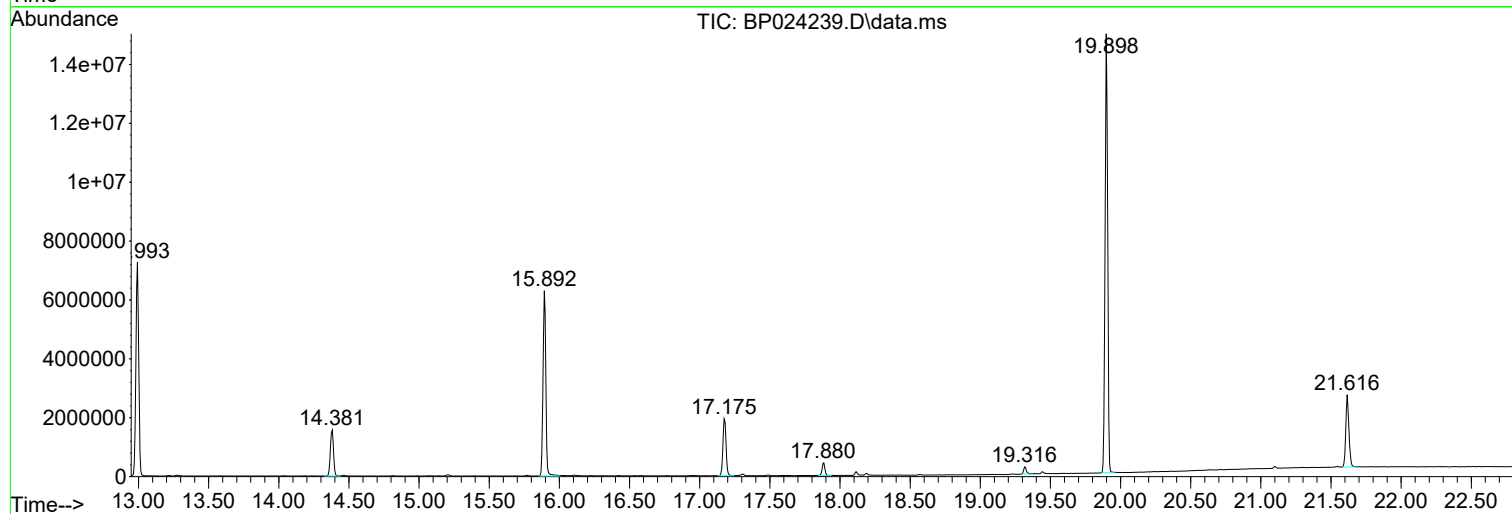
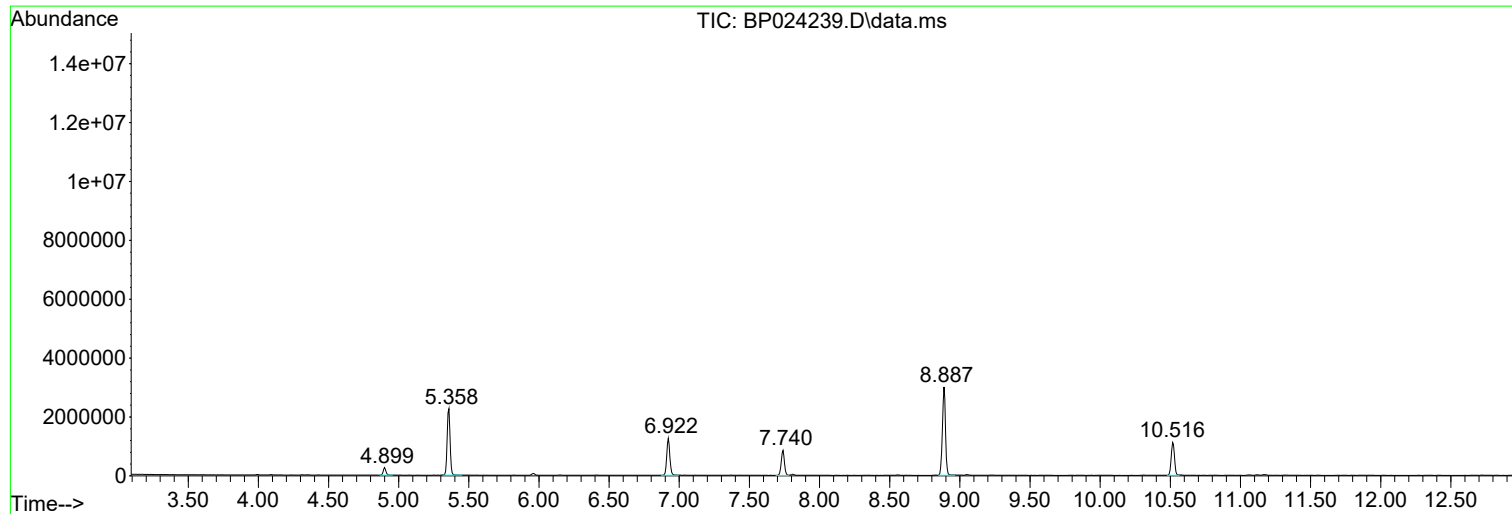
Sum of corrected areas: 65462774

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024239.D
Acq On : 09 Apr 2025 17:41
Operator : RC/JU
Sample : Q1746-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-2025-4-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024239.D
Acq On : 09 Apr 2025 17:41
Operator : RC/JU
Sample : Q1746-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

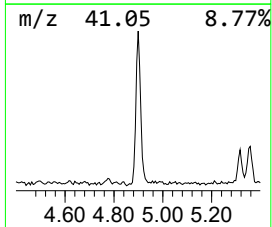
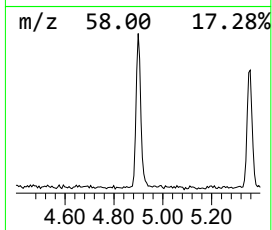
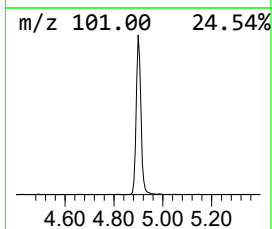
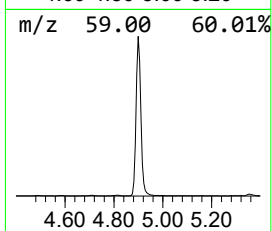
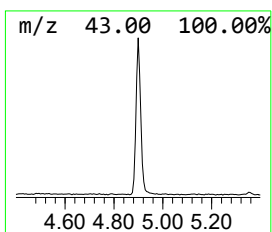
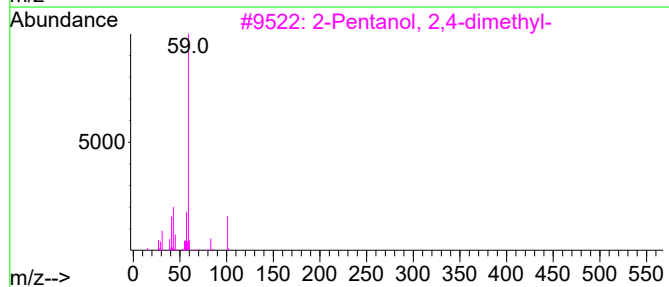
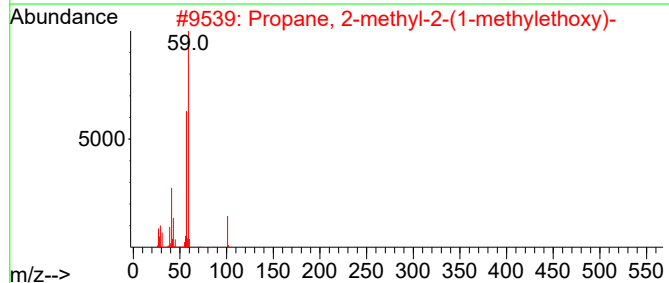
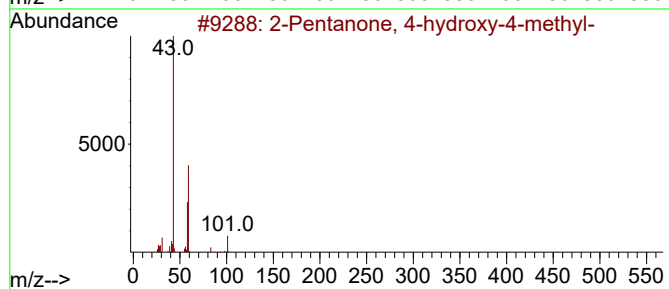
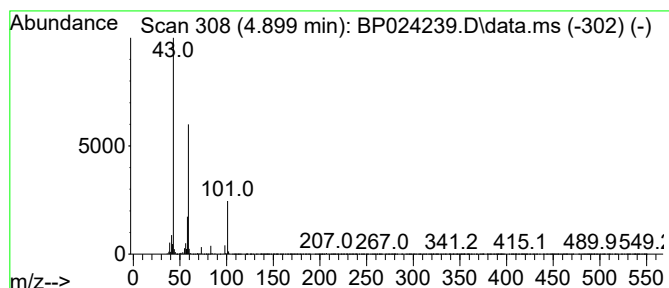
Instrument :
BNA_P
ClientSampleId :
EB-2025-4-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.899	5.26 ng	352636	1,4-Dichlorobenzene-d4	7.740	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	50
3	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	25
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	25
5	Methyl 2-(2-(2-methoxyethoxy)eth...	192	C8H16O5	1000366-88-2	23



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024239.D
Acq On : 09 Apr 2025 17:41
Operator : RC/JU
Sample : Q1746-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

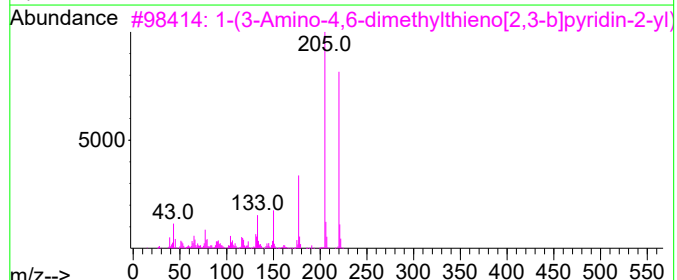
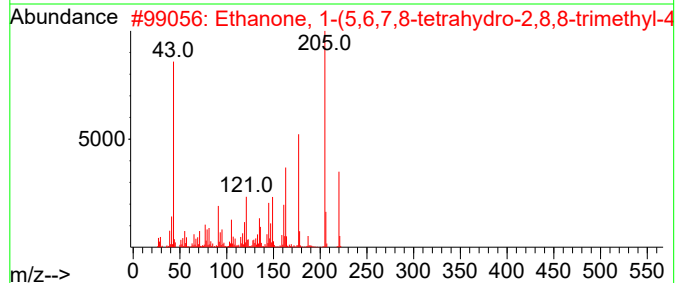
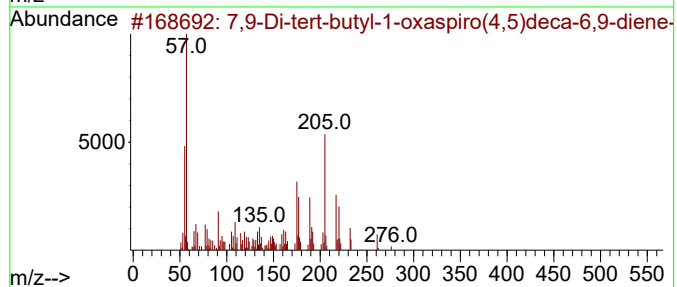
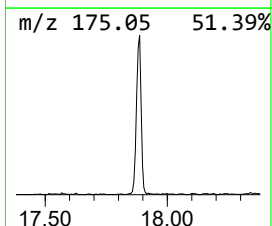
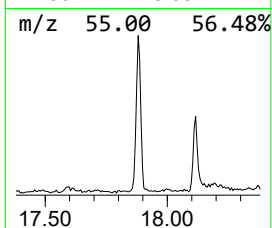
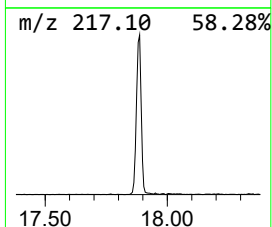
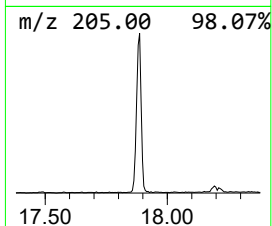
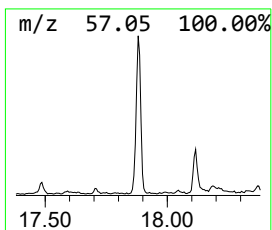
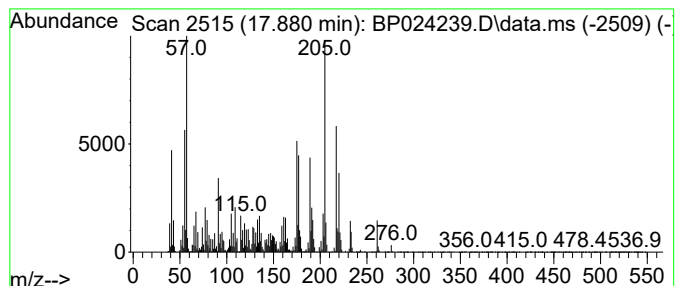
Instrument :
BNA_P
ClientSampleId :
EB-2025-4-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 7,9-Di-tert-butyl-1-oxaspiro... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD			R.T.
17.881	4.03 ng	595523	Phenanthrene-d10			17.175
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	99	
2	Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	64	
3	1-(3-Amino-4,6-dimethylthieno[2,...	220	C11H12N2OS	052505-42-7	50	
4	2,5-Cyclohexadien-1-one, 2,6-bis...	232	C16H24O	006738-27-8	42	
5	2,4-Diamino-6-nitroquinazoline	205	C8H7N5O2	007154-34-9	38	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024239.D
Acq On : 09 Apr 2025 17:41
Operator : RC/JU
Sample : Q1746-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-2025-4-7

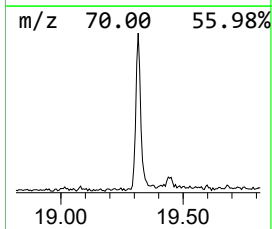
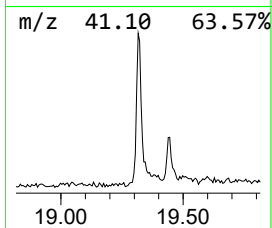
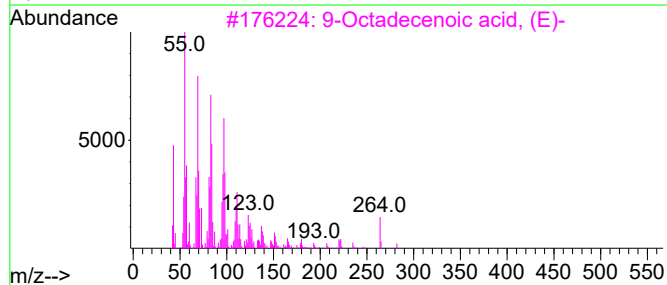
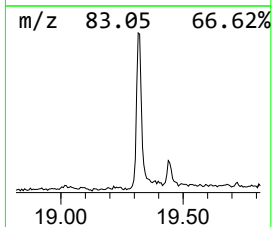
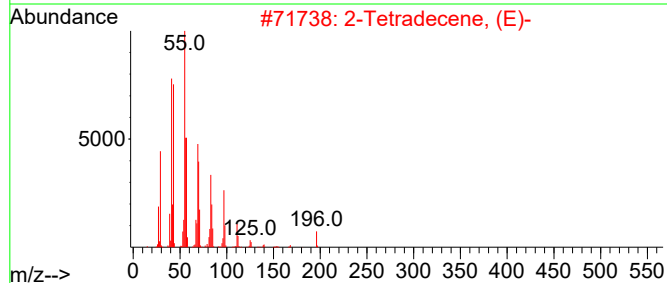
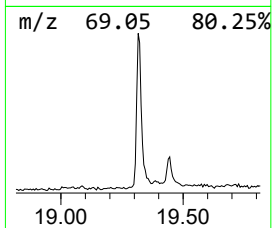
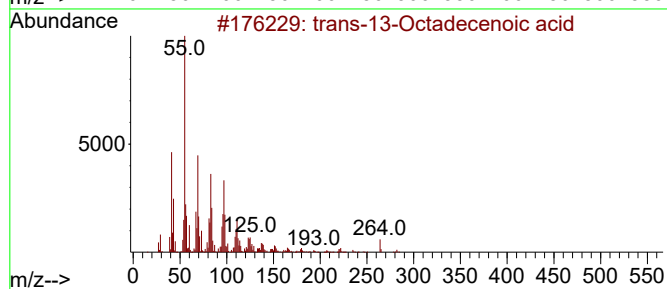
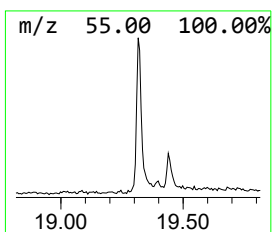
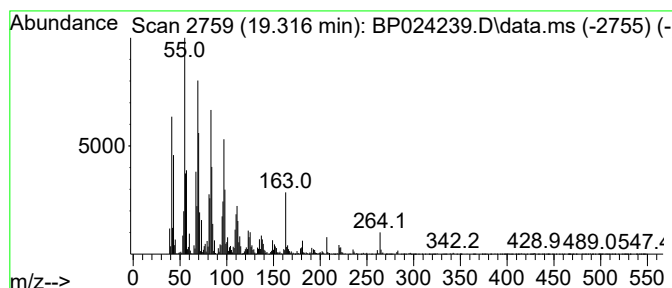
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 trans-13-Octadecenoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.316	2.45 ng	362638	Phenanthrene-d10	17.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	95
2			2-Tetradecene, (E)-	196	C14H28	035953-54-9	90
3			9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	90
4			Oleic Acid	282	C18H34O2	000112-80-1	86
5			2-Butenedioic acid (Z)-, monodod...	284	C16H28O4	002424-61-5	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024239.D
Acq On : 09 Apr 2025 17:41
Operator : RC/JU
Sample : Q1746-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-2025-4-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.899	5.3	ng	352636	1	7.740	1341030	20.0
7,9-Di-tert-but...	17.881	4.0	ng	595523	4	17.175	2955080	20.0
trans-13-Octade...	19.316	2.5	ng	362638	4	17.175	2955080	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

Quant Time: Apr 10 11:29:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	304918	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1031962	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	649646	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1225291	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1173504	20.000	ng	0.00
86) Perylene-d12	24.397	264	1306478	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2483463	138.303	ng	0.00
7) Phenol-d6	6.951	99	2987822	133.735	ng	0.00
23) Nitrobenzene-d5	8.933	82	1768989	95.456	ng	0.00
42) 2,4,6-Tribromophenol	15.909	330	1378609	145.895	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4613403	96.296	ng	0.00
79) Terphenyl-d14	19.786	244	7034521	112.339	ng	0.00

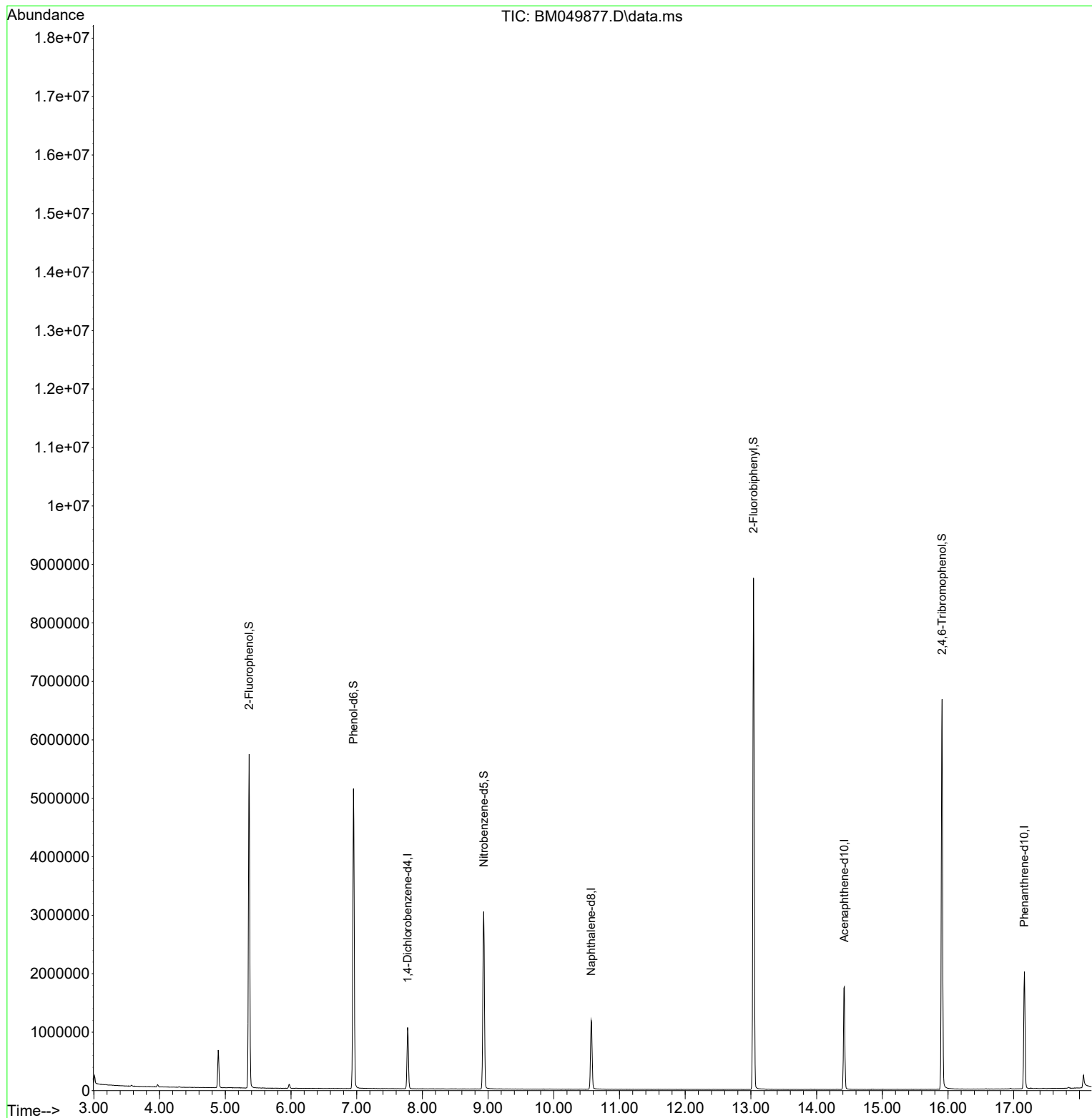
Target Compounds	Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

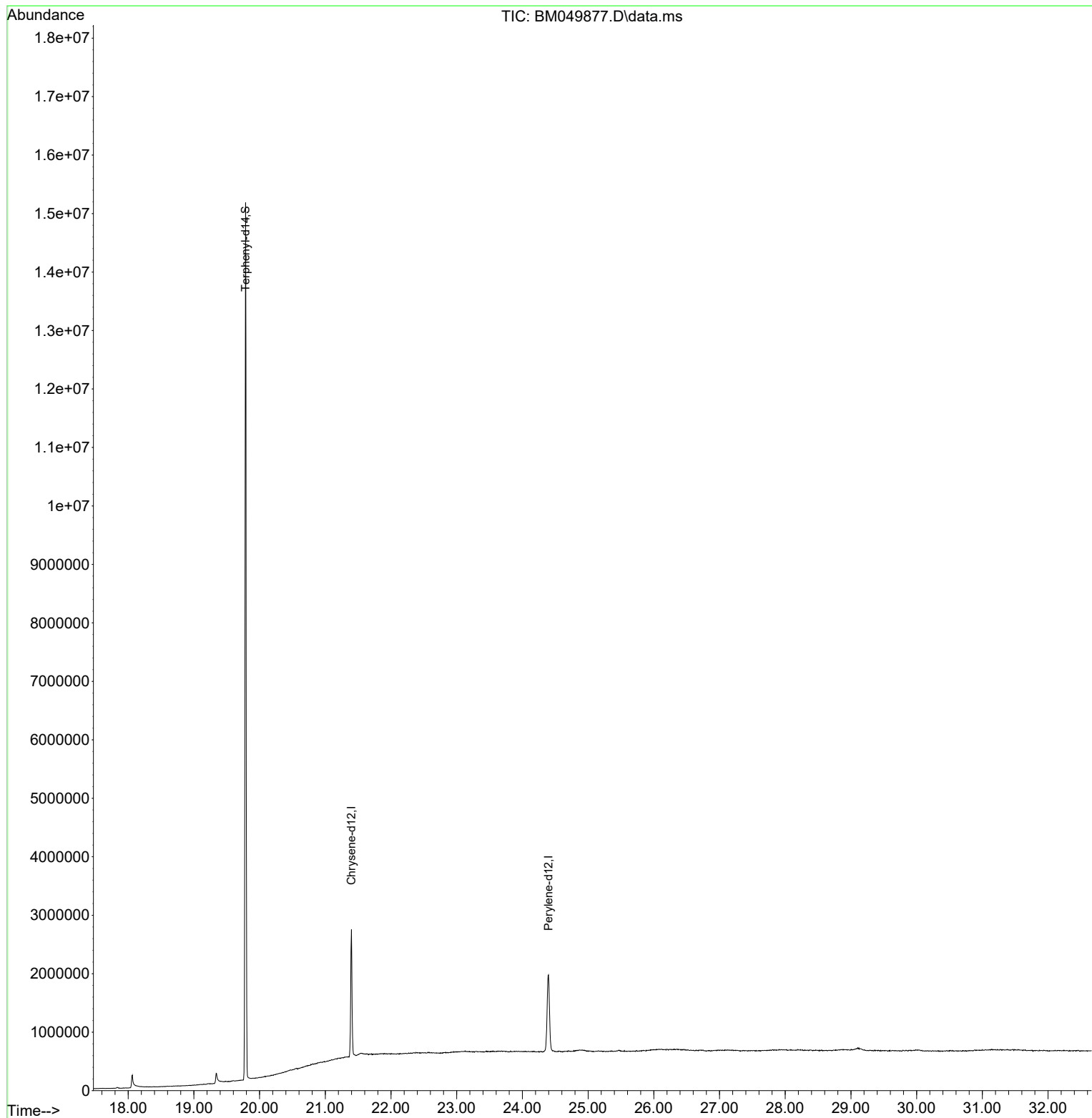
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

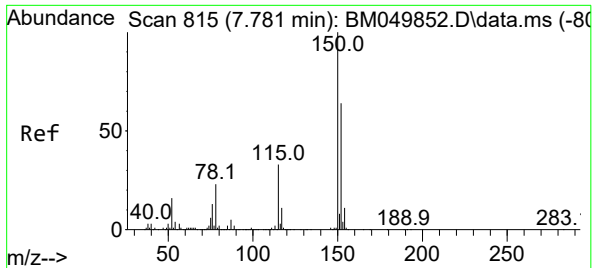


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

Quant Time: Apr 10 11:29:47 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

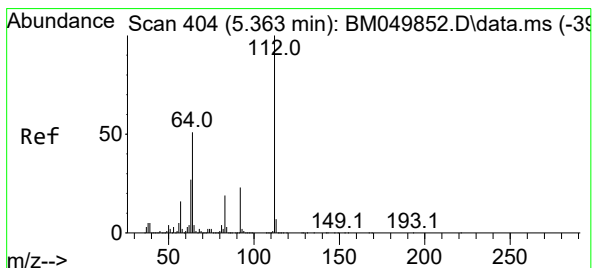
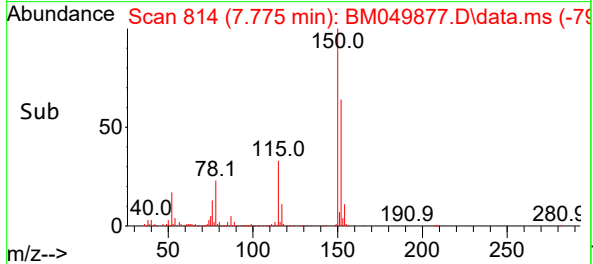
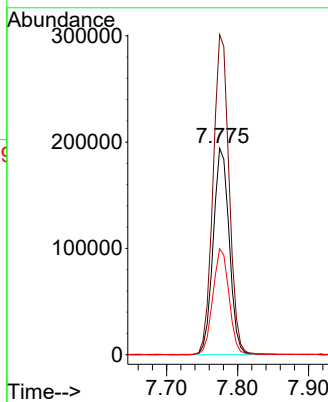
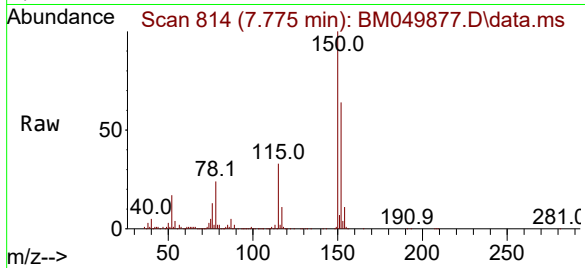




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

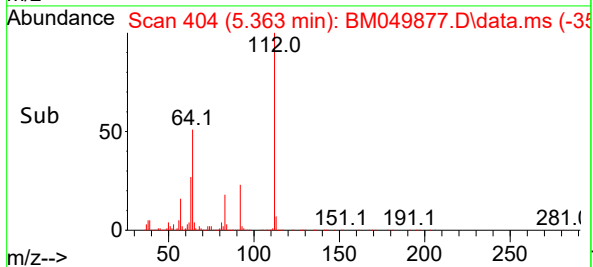
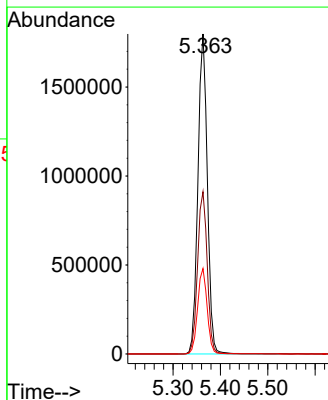
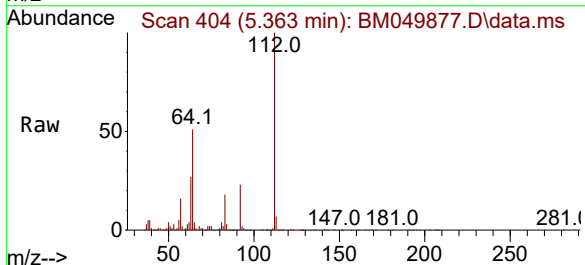
Instrument :
BNA_M
ClientSampleId :
PB167509BL

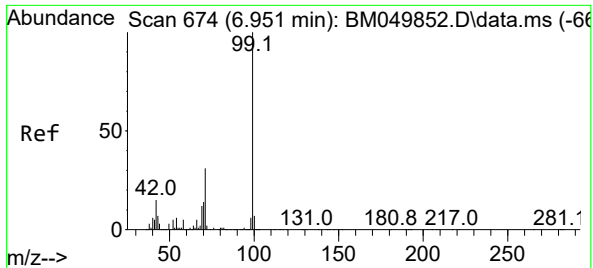
Tgt Ion:152 Resp: 304918
Ion Ratio Lower Upper
152 100
150 155.1 124.3 186.5
115 51.3 41.1 61.7



#5
2-Fluorophenol
Concen: 138.303 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Tgt Ion:112 Resp: 2483463
Ion Ratio Lower Upper
112 100
64 50.7 41.0 61.6
63 26.7 21.5 32.3

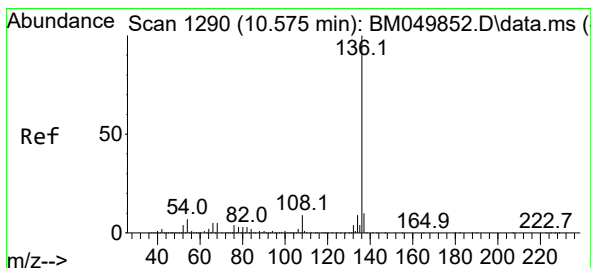
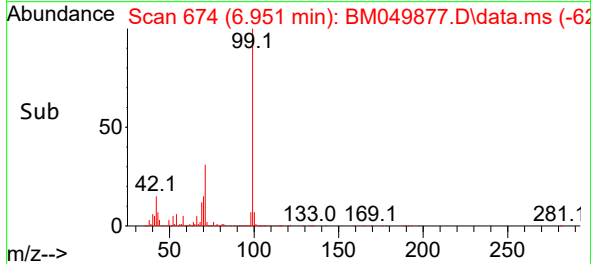
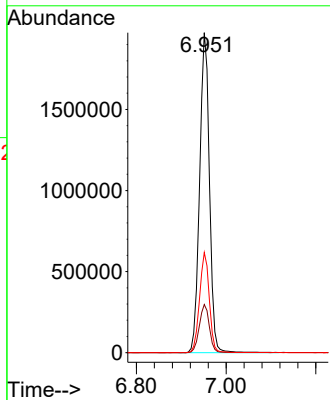
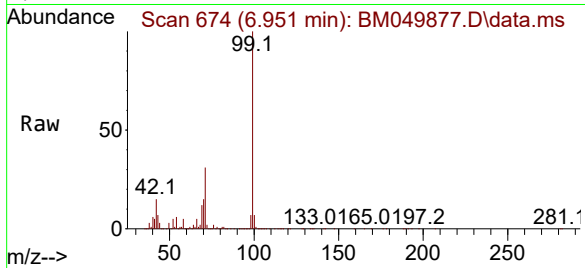




#7
Phenol-d6
Concen: 133.735 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

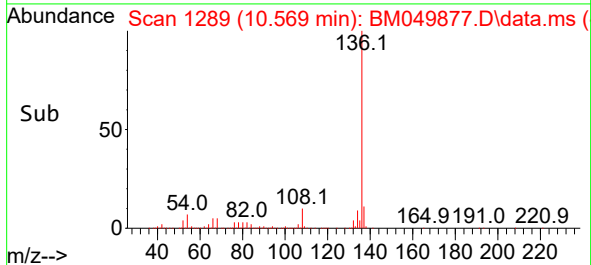
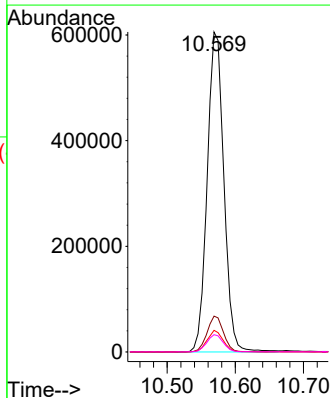
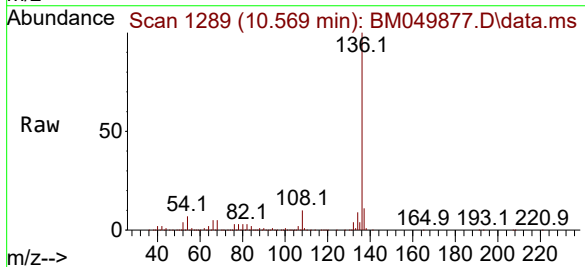
Instrument :
BNA_M
ClientSampleId :
PB167509BL

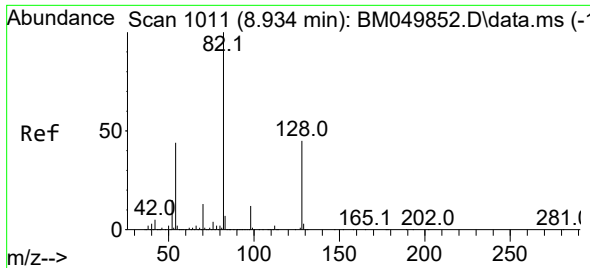
Tgt Ion: 99 Resp: 2987822
Ion Ratio Lower Upper
99 100
42 15.0 12.1 18.1
71 31.3 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Tgt Ion: 136 Resp: 1031962
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 6.8 5.3 7.9
68 5.4 4.3 6.5





#23

Nitrobenzene-d5

Concen: 95.456 ng

RT: 8.933 min Scan# 1011

Delta R.T. -0.000 min

Lab File: BM049877.D

Acq: 10 Apr 2025 10:11

Instrument :

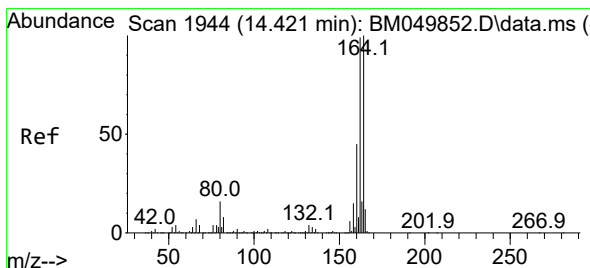
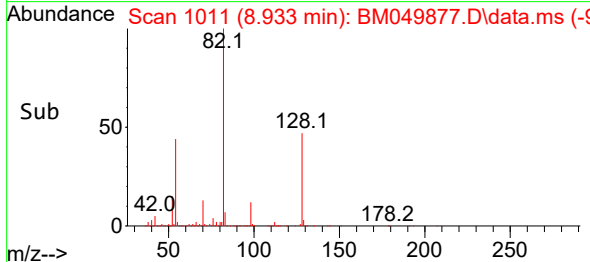
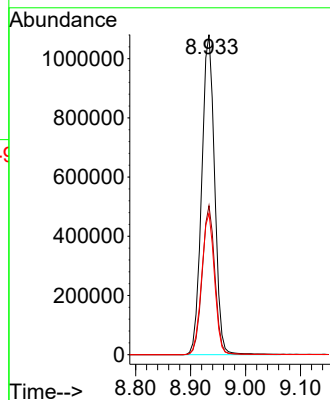
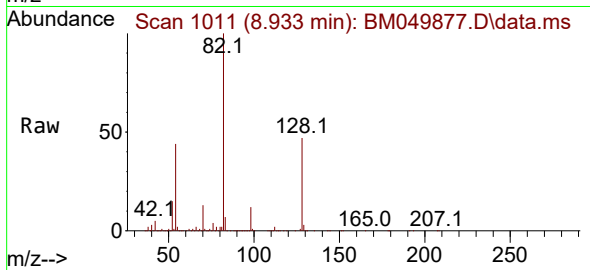
BNA_M

ClientSampleId :

PB167509BL

Tgt Ion: 82 Resp: 1768989

Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.2	54.2
54	44.1	35.0	52.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.421 min Scan# 1944

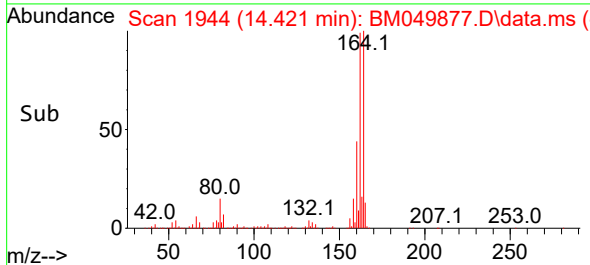
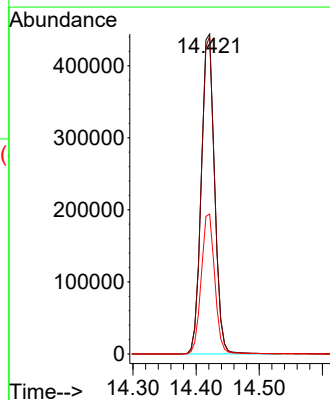
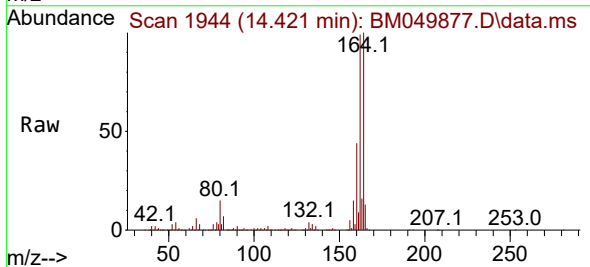
Delta R.T. -0.000 min

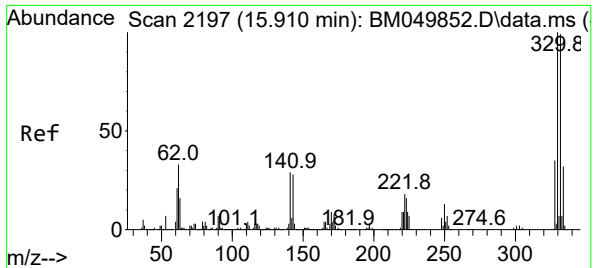
Lab File: BM049877.D

Acq: 10 Apr 2025 10:11

Tgt Ion: 164 Resp: 649646

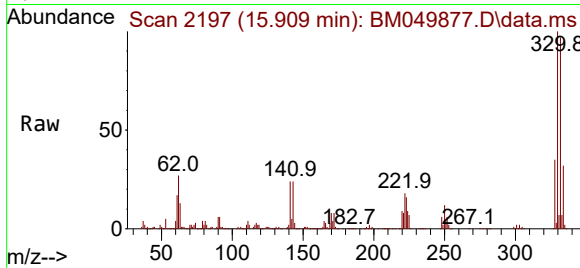
Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.0
160	43.7	36.2	54.2



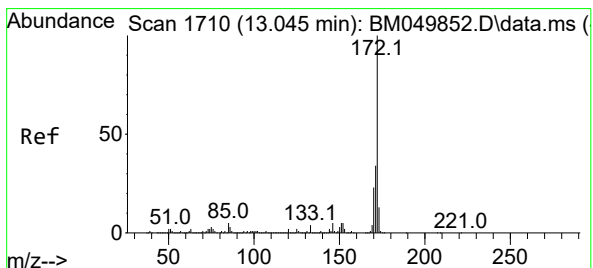
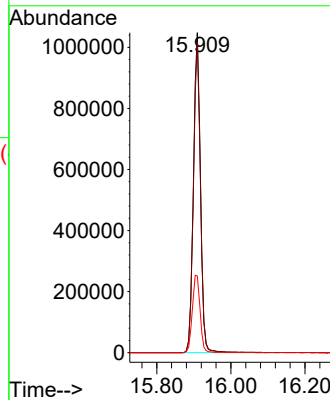
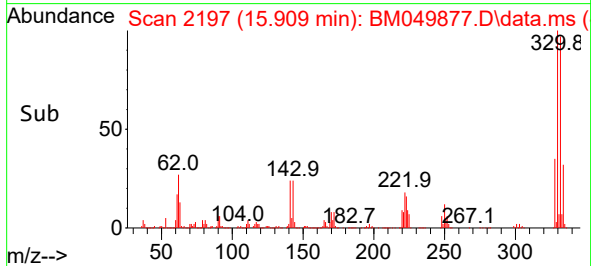


#42
2,4,6-Tribromophenol
Concen: 145.895 ng
RT: 15.909 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Instrument :
BNA_M
ClientSampleId :
PB167509BL

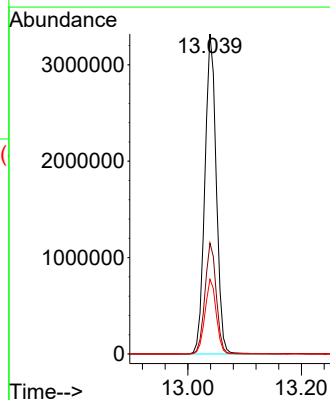
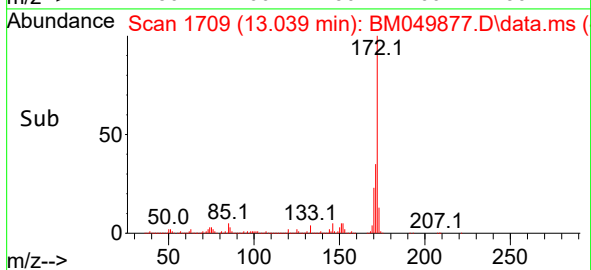
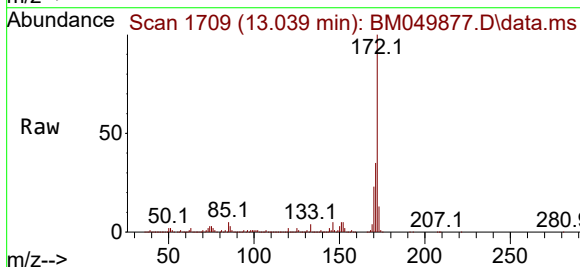


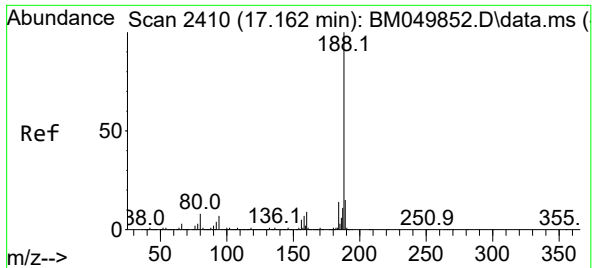
Tgt Ion:330 Resp: 1378609
Ion Ratio Lower Upper
330 100
332 96.3 78.0 117.0
141 26.6 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 96.296 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Tgt Ion:172 Resp: 4613403
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.2
170 23.3 18.6 28.0

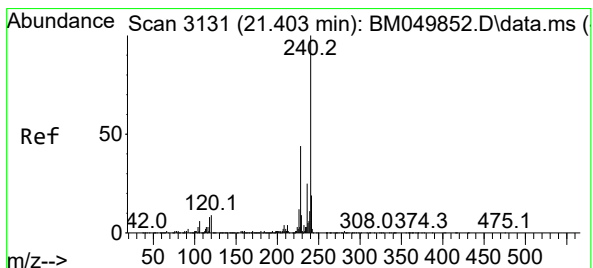
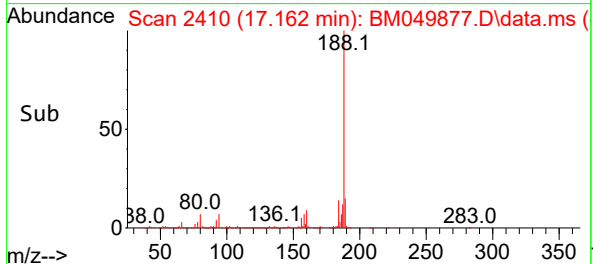
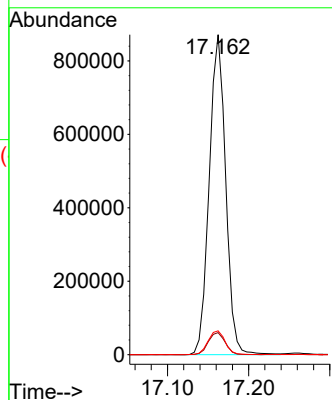
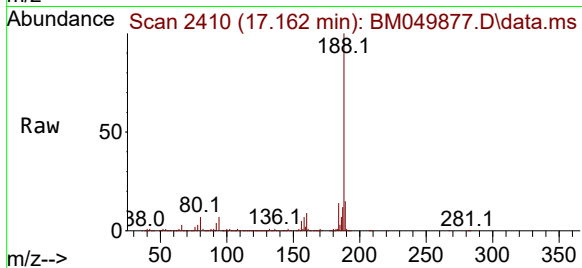




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

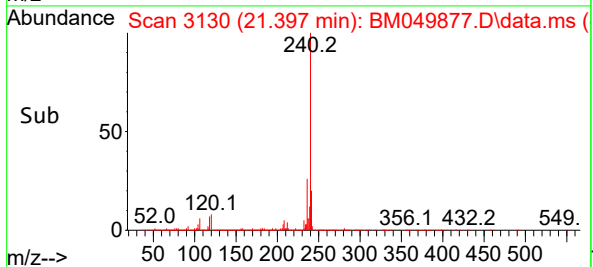
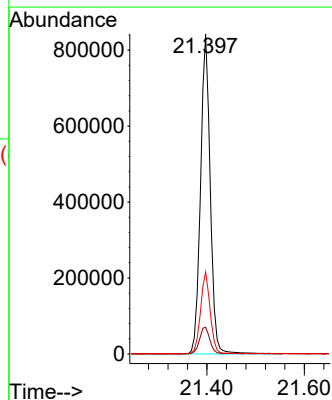
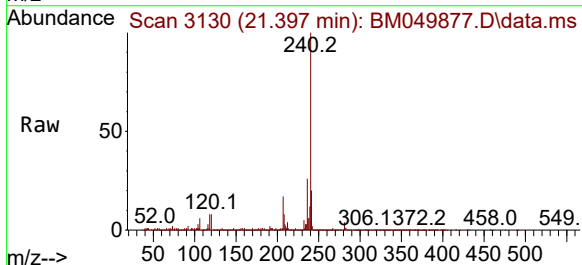
Instrument :
BNA_M
ClientSampleId :
PB167509BL

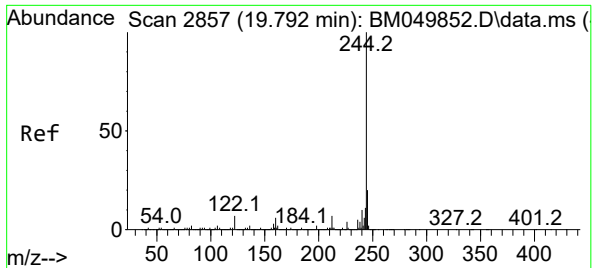
Tgt Ion:188 Resp: 1225291
Ion Ratio Lower Upper
188 100
94 6.9 5.8 8.6
80 7.5 6.4 9.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

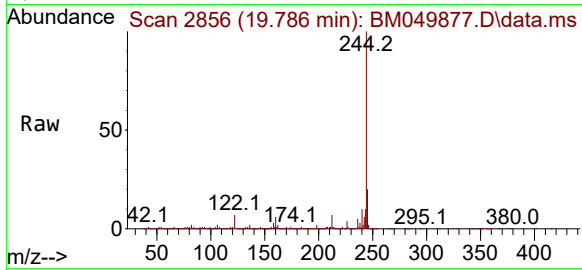
Tgt Ion:240 Resp: 1173504
Ion Ratio Lower Upper
240 100
120 8.4 6.9 10.3
236 25.6 20.4 30.6



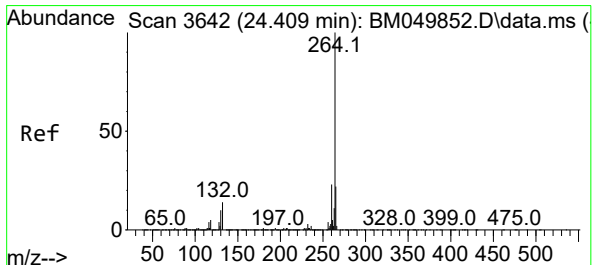
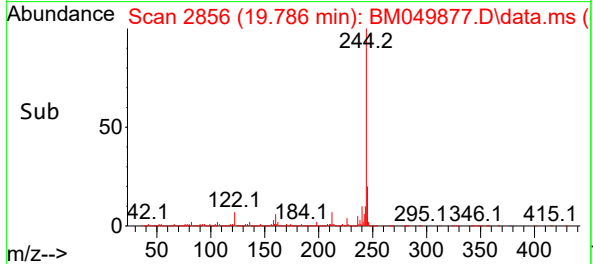
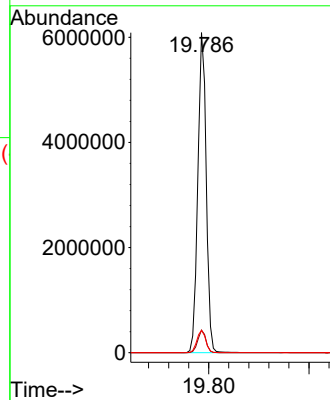


#79
Terphenyl-d14
Concen: 112.339 ng
RT: 19.786 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Instrument :
BNA_M
ClientSampleId :
PB167509BL

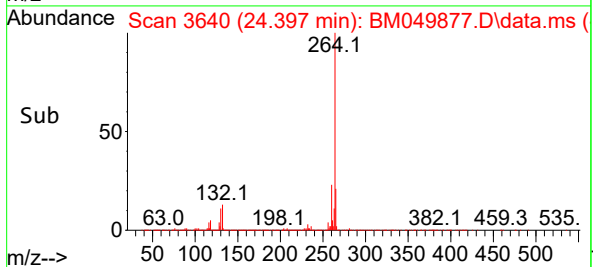
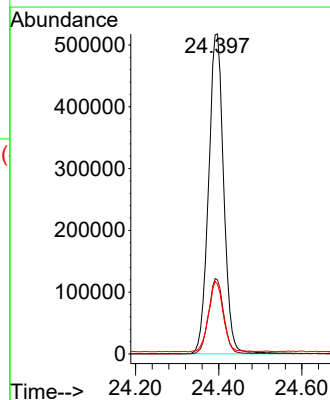
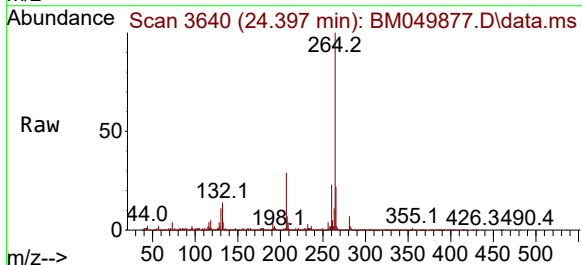


Tgt Ion:244 Resp: 7034521
Ion Ratio Lower Upper
244 100
212 7.1 5.5 8.3
122 7.0 5.4 8.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.012 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Tgt Ion:264 Resp: 1306478
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 21.8 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
 Data File : BM049877.D
 Acq On : 10 Apr 2025 10:11
 Operator : RC/JU
 Sample : PB167509BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167509BL

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049877.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.893	319	324	334	rVB	646700	865751	4.95%	1.128%
2	5.363	397	404	418	rBV	5708587	7953113	45.44%	10.360%
3	6.951	667	674	686	rBV	5127694	7849371	44.85%	10.225%
4	7.775	807	814	826	rVB	1049123	1640539	9.37%	2.137%
5	8.933	1003	1011	1022	rBV	3032859	4957314	28.33%	6.457%
6	10.569	1281	1289	1302	rBV	1182597	2019525	11.54%	2.631%
7	13.039	1700	1709	1724	rBV	8747013	12190336	69.66%	15.879%
8	14.421	1936	1944	1959	rBV	1754162	2616740	14.95%	3.409%
9	15.909	2190	2197	2216	rBV	6670855	9261965	52.92%	12.065%
10	17.162	2404	2410	2422	rBV	1998943	2845156	16.26%	3.706%
11	18.062	2558	2563	2578	rBV	216597	490971	2.81%	0.640%
12	19.339	2776	2780	2789	rBV2	174301	362861	2.07%	0.473%
13	19.786	2851	2856	2869	rBV	14999522	17500587	100.00%	22.796%
14	21.397	3125	3130	3142	rVB	2153994	2970766	16.98%	3.870%
15	24.397	3632	3640	3650	rVB	1302019	3244234	18.54%	4.226%

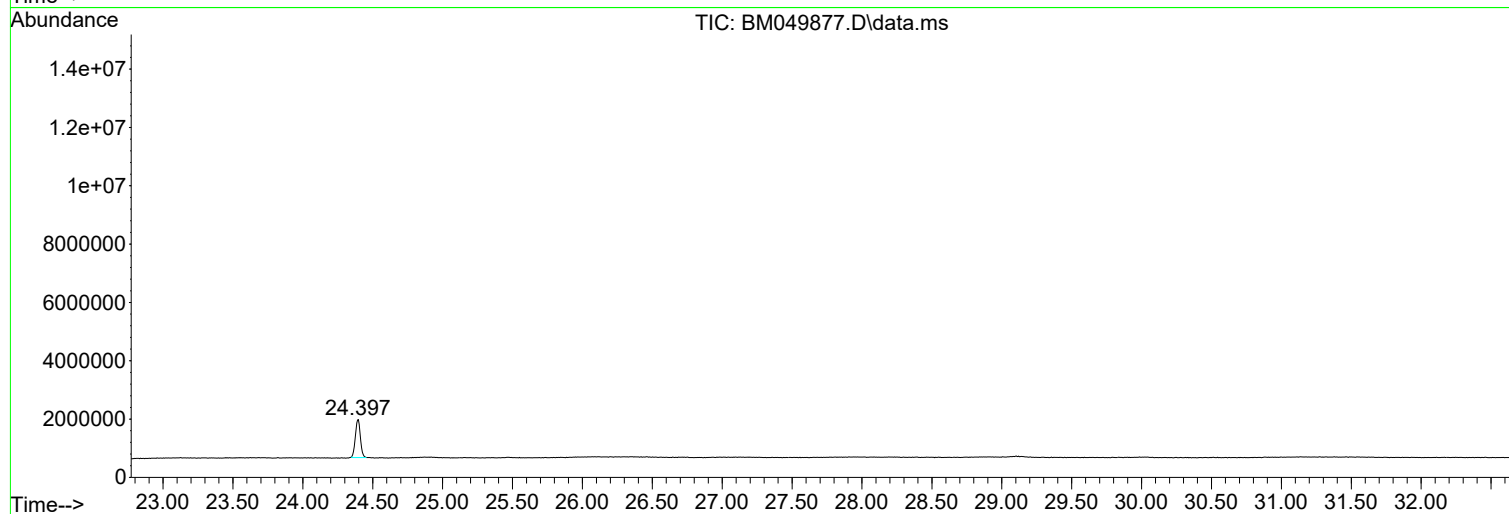
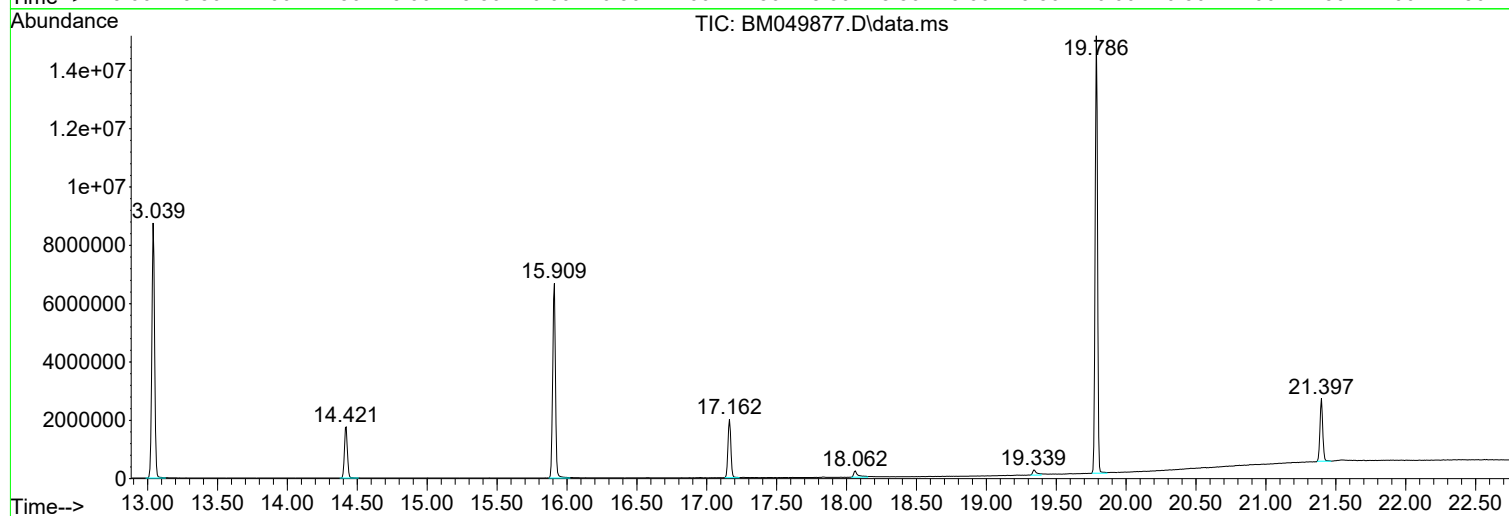
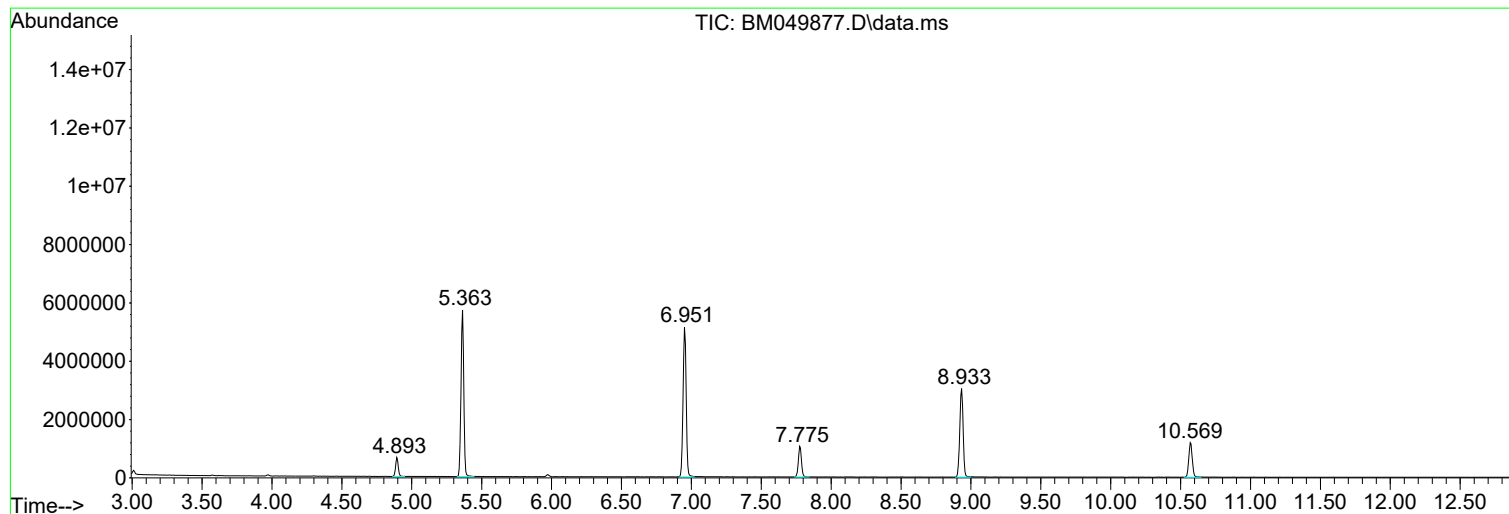
Sum of corrected areas: 76769229

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

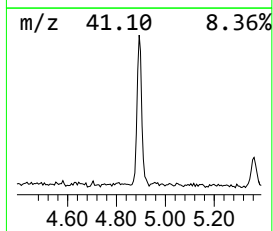
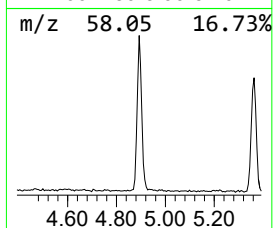
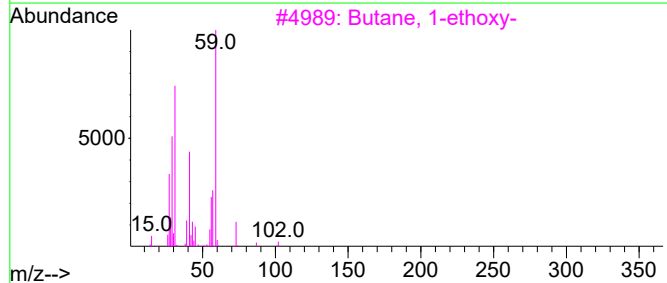
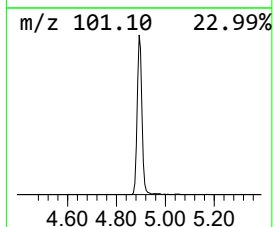
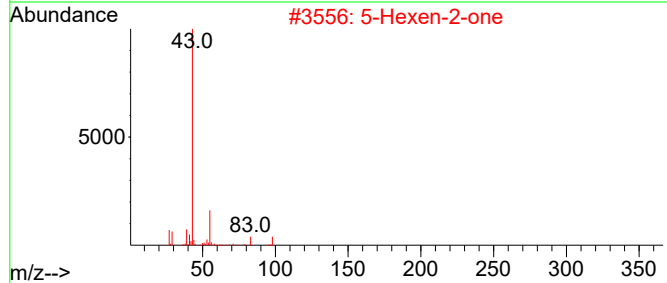
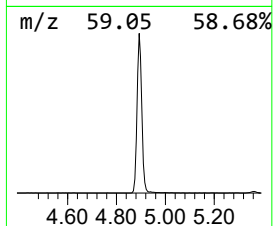
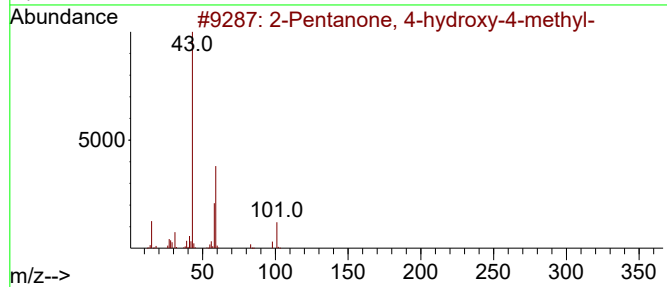
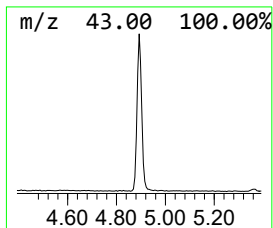
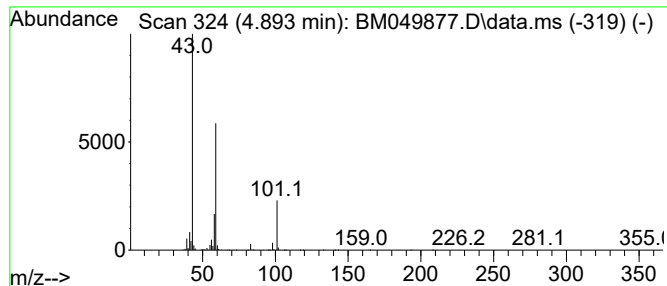
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD			R.T.
4.893	10.55 ng	865751	1,4-Dichlorobenzene-d4			7.775

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2		000123-42-2	50
2	5-Hexen-2-one	98	C6H10O		000109-49-9	9
3	Butane, 1-ethoxy-	102	C6H14O		000628-81-9	9
4	Morpholine, 4-methyl-	101	C5H11NO		000109-02-4	9
5	Acetone	58	C3H6O		000067-64-1	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

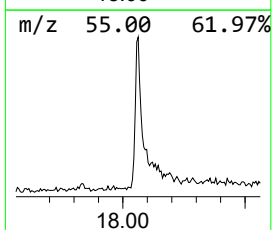
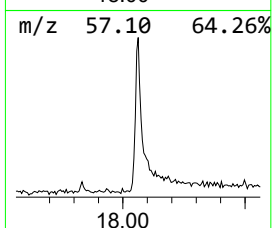
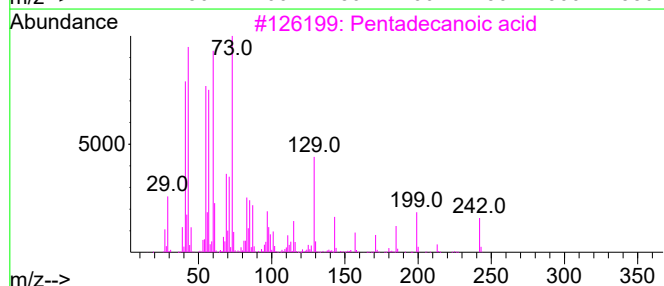
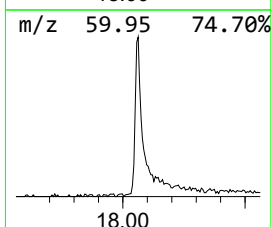
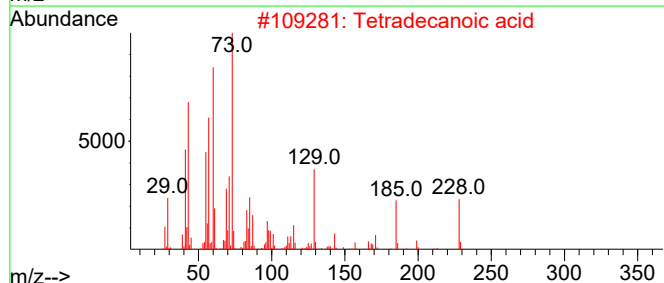
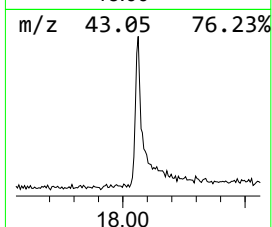
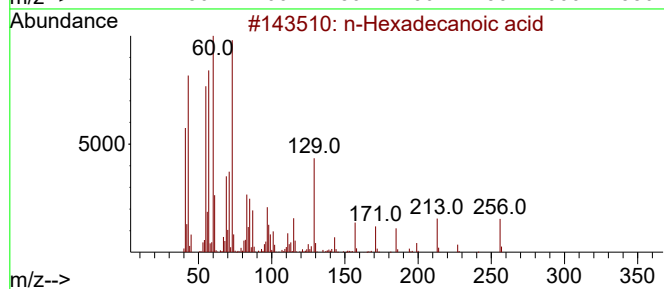
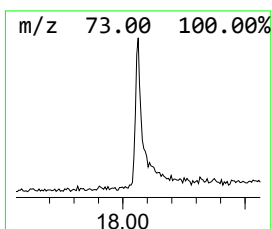
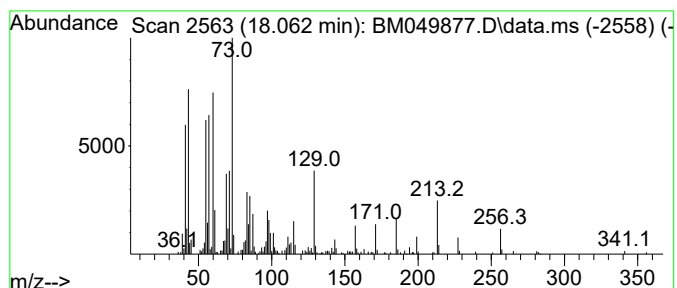
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.062	3.45 ng	490971	Phenanthrene-d10	17.162

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4		Octadecanoic acid	284	C18H36O2	000057-11-4	87
5		Tridecanoic acid	214	C13H26O2	000638-53-9	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

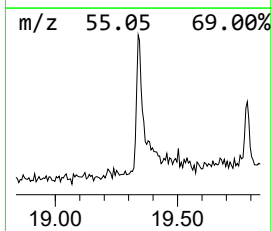
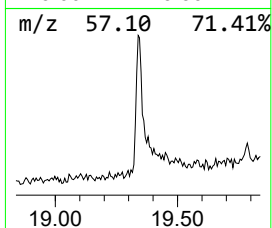
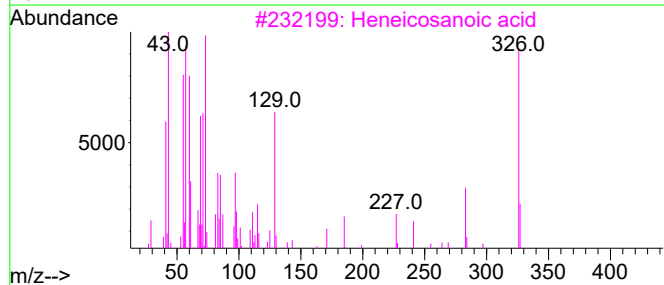
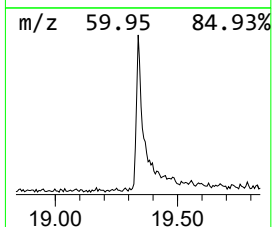
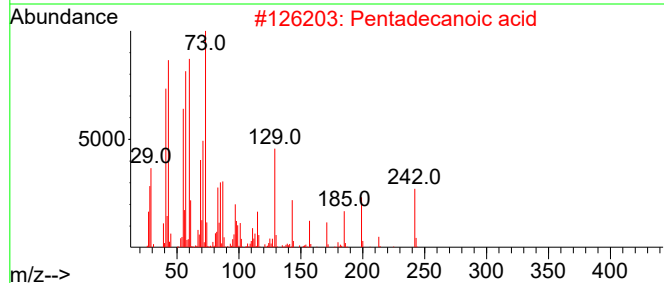
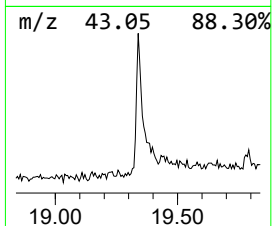
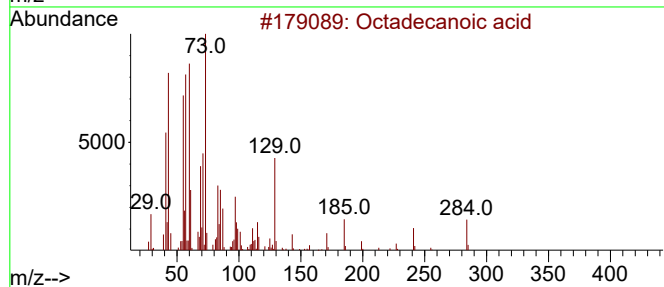
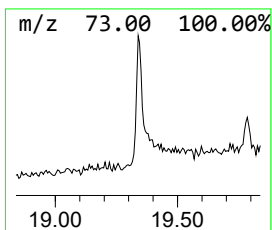
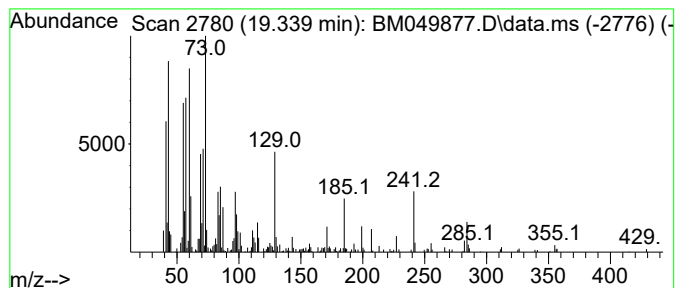
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.339	2.44 ng	362861	Chrysene-d12	21.397

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3			Heneicosanoic acid	326	C21H42O2	002363-71-5	90
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.893	10.6	ng	865751	1	7.775	1640540	20.0
n-Hexadecanoic ...	18.062	3.5	ng	490971	4	17.162	2845160	20.0
Octadecanoic acid	19.339	2.4	ng	362861	5	21.397	2970770	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049860.D
Acq On : 09 Apr 2025 09:48
Operator : RC/JU
Sample : PB167521BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BL

Quant Time: Apr 09 11:50:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	332281	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1132683	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	701970	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1345526	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1270012	20.000	ng	0.00
86) Perylene-d12	24.391	264	1381061	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2512705	128.408	ng	0.00
7) Phenol-d6	6.951	99	3032771	124.568	ng	0.00
23) Nitrobenzene-d5	8.934	82	1795986	88.295	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1393023	136.432	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4615951	89.167	ng	0.00
79) Terphenyl-d14	19.786	244	7348045	108.429	ng	0.00

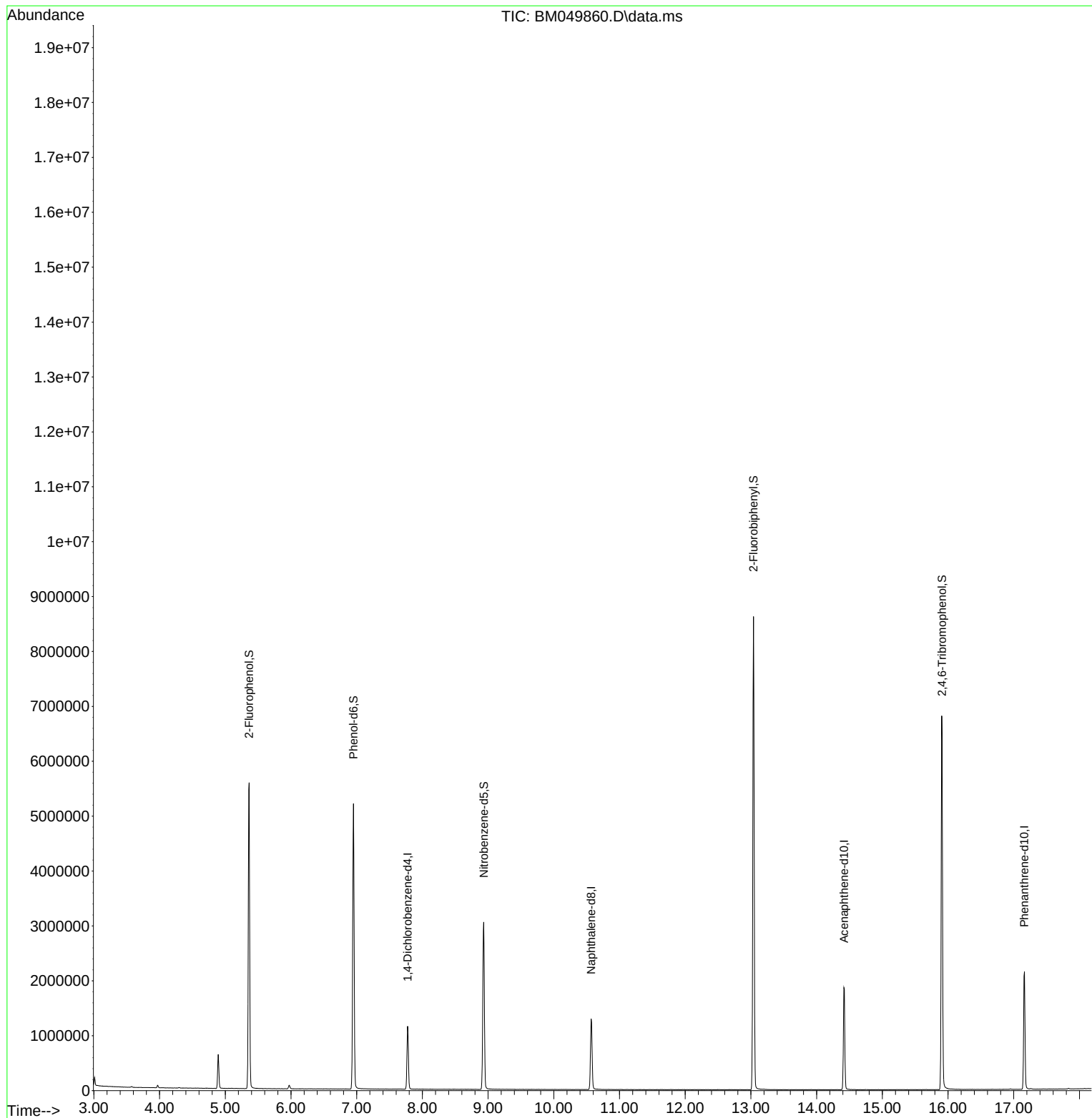
Target Compounds	Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049860.D
Acq On : 09 Apr 2025 09:48
Operator : RC/JU
Sample : PB167521BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BL

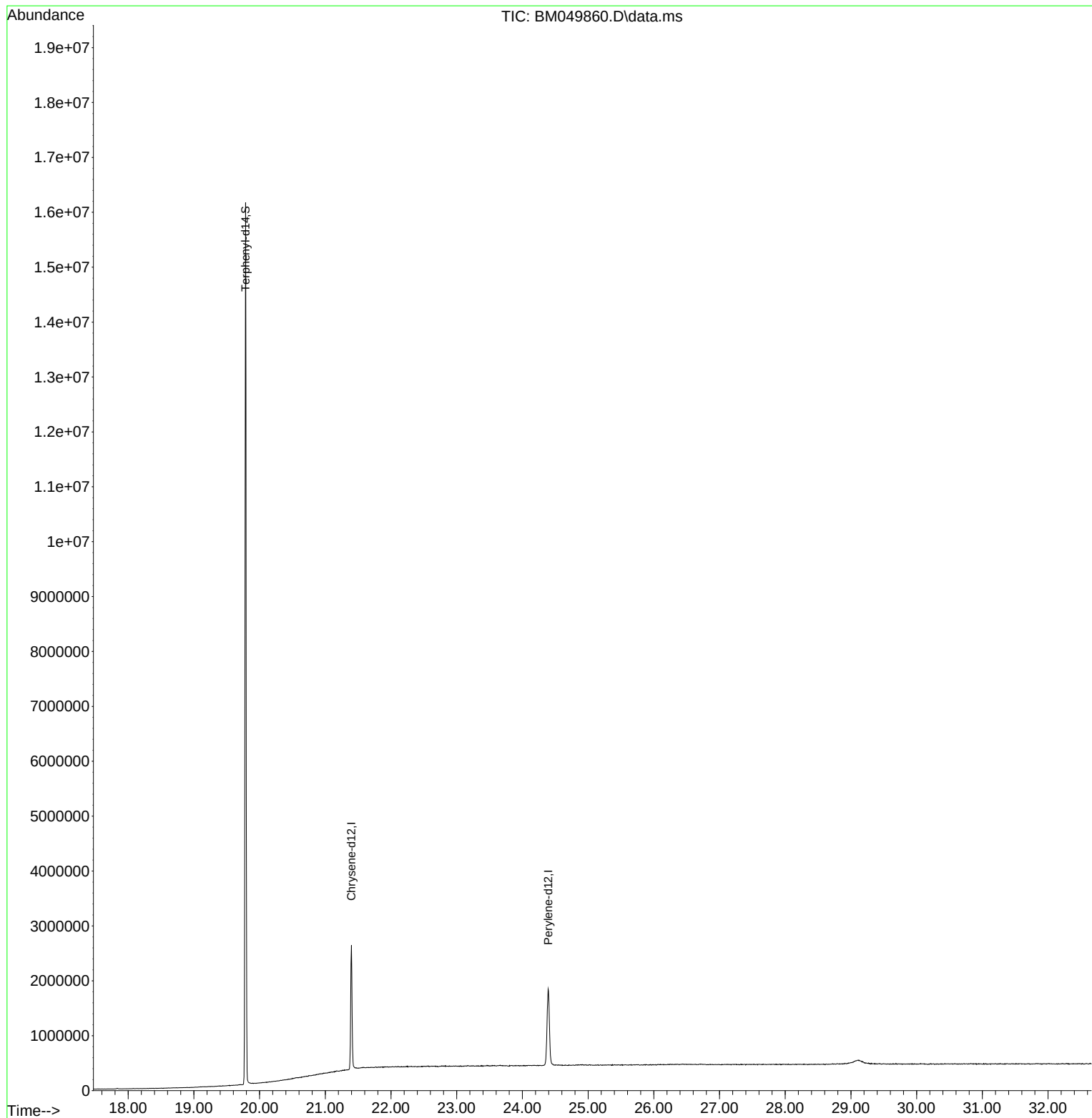
Quant Time: Apr 09 11:50:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

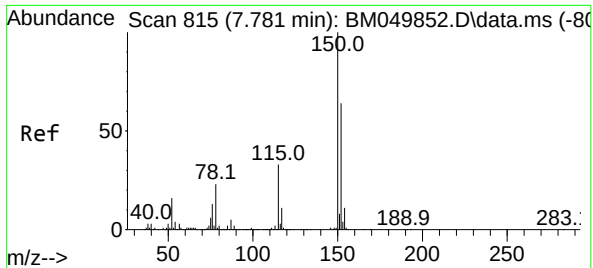


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049860.D
Acq On : 09 Apr 2025 09:48
Operator : RC/JU
Sample : PB167521BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BL

Quant Time: Apr 09 11:50:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

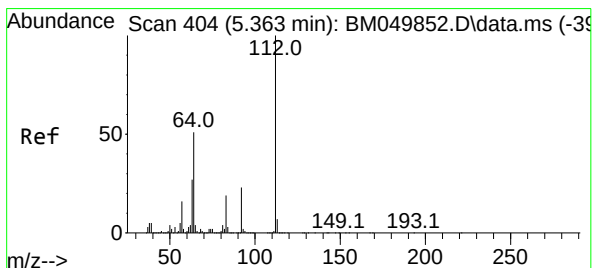
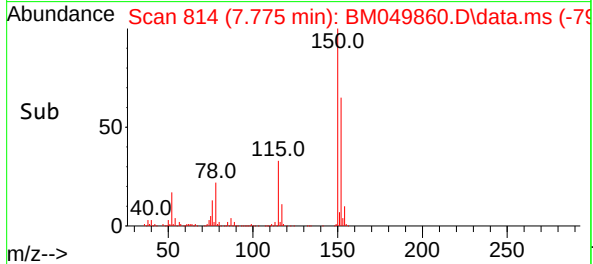
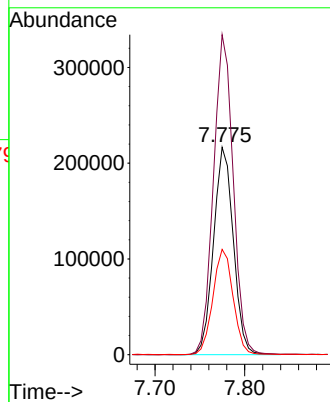
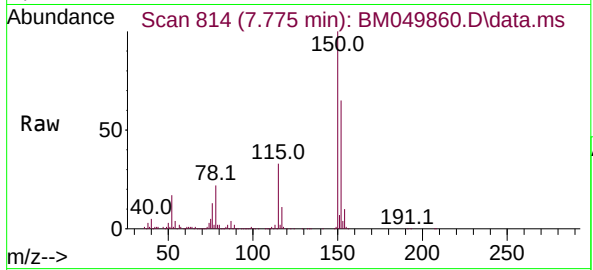




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

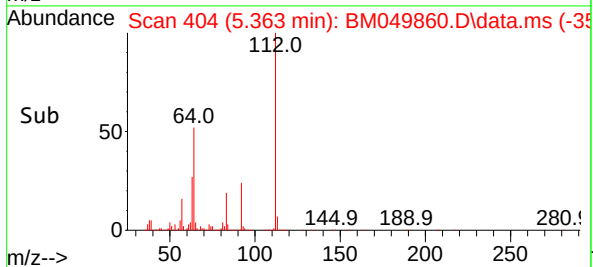
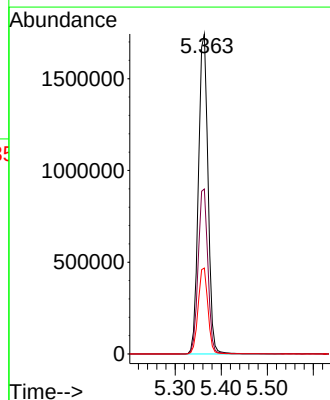
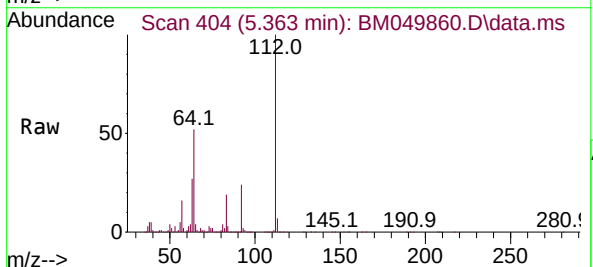
Instrument :
BNA_M
ClientSampleId :
PB167521BL

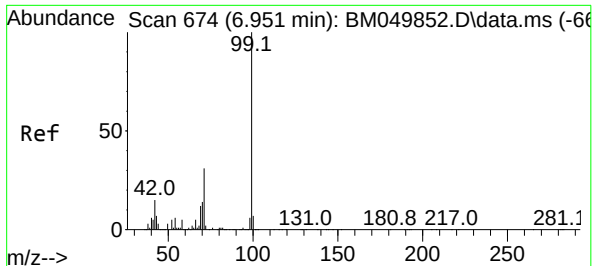
Tgt Ion:152 Resp: 332281
Ion Ratio Lower Upper
152 100
150 154.3 124.3 186.5
115 50.8 41.1 61.7



#5
2-Fluorophenol
Concen: 128.408 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

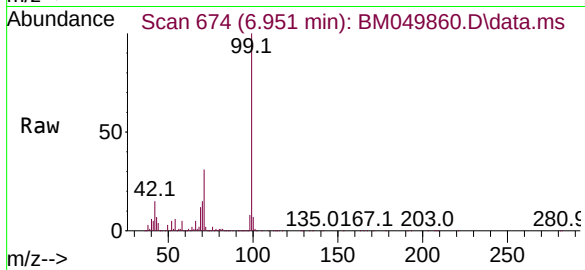
Tgt Ion:112 Resp: 2512705
Ion Ratio Lower Upper
112 100
64 51.5 41.0 61.6
63 26.9 21.5 32.3





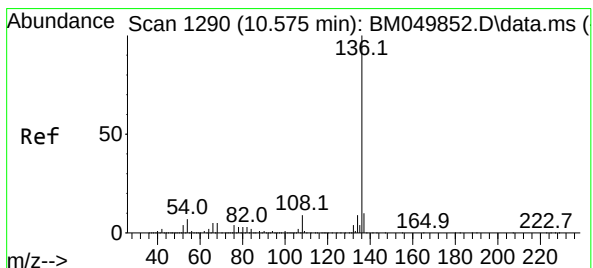
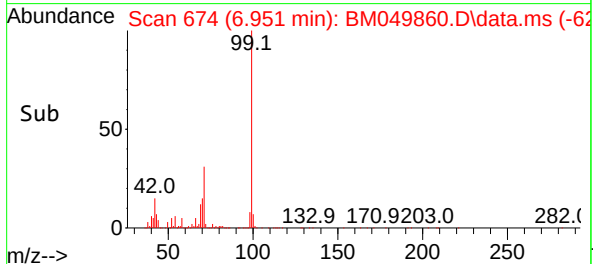
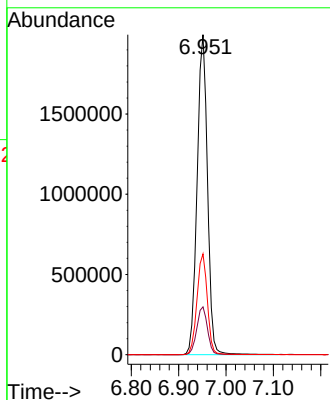
#7
Phenol-d6
Concen: 124.568 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Instrument :
BNA_M
ClientSampleId :
PB167521BL



Tgt Ion: 99 Resp: 3032771

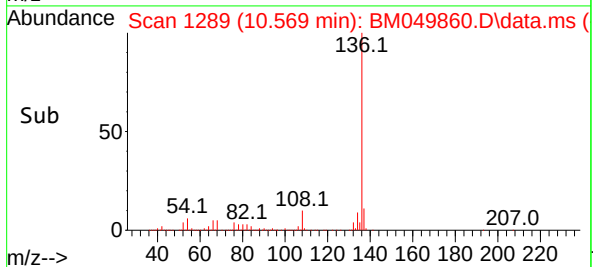
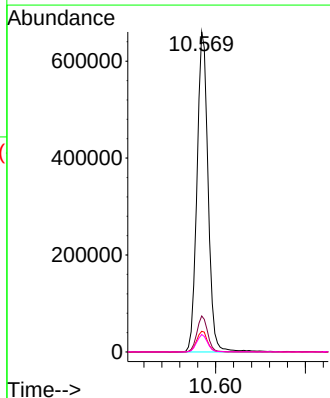
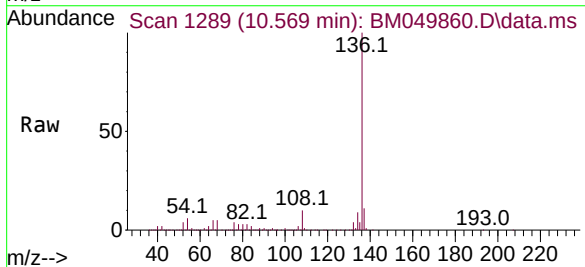
Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.1	18.1
71	31.5	24.9	37.3

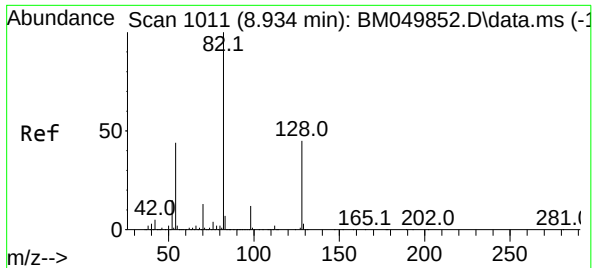


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Tgt Ion: 136 Resp: 1132683

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	6.4	5.3	7.9
68	5.4	4.3	6.5

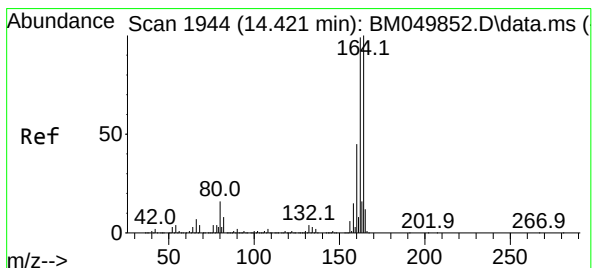
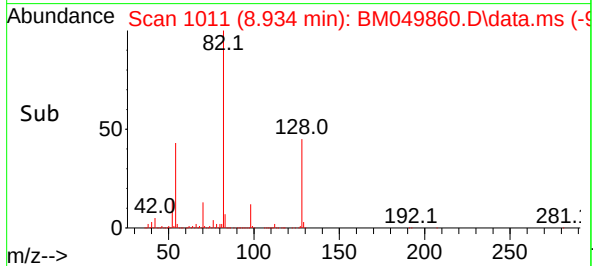
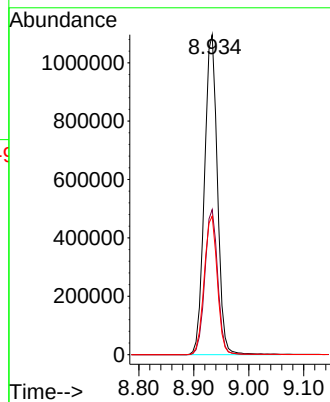
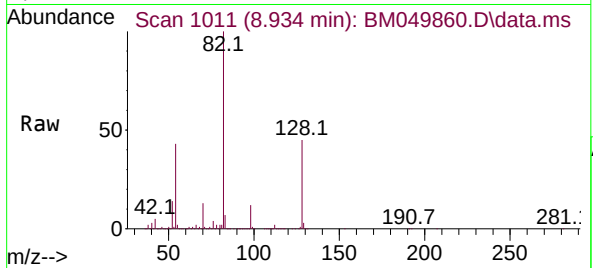




#23
Nitrobenzene-d5
Concen: 88.295 ng
RT: 8.934 min Scan# 1011
Delta R.T. 0.000 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

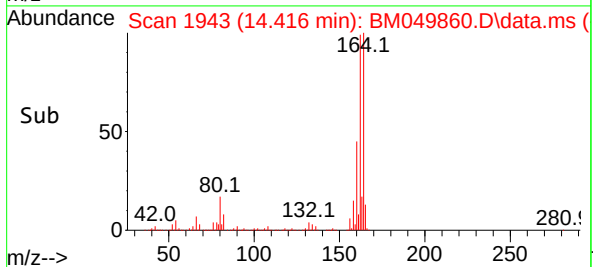
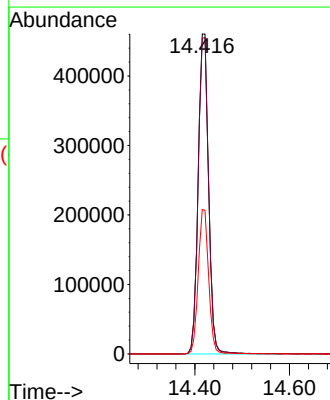
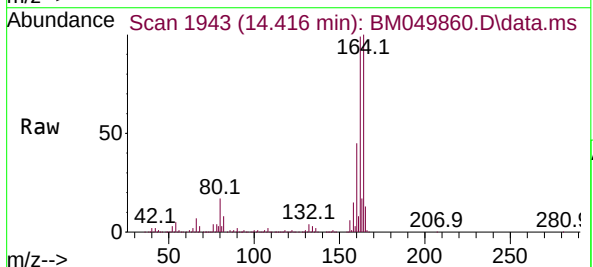
Instrument :
BNA_M
ClientSampleId :
PB167521BL

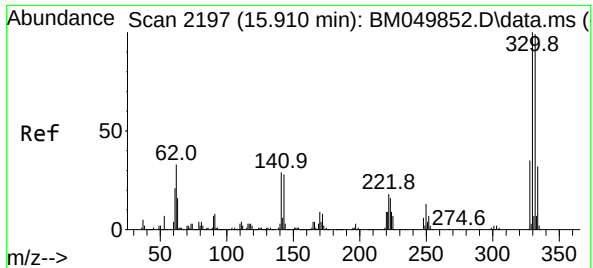
Tgt Ion: 82 Resp: 1795986
Ion Ratio Lower Upper
82 100
128 45.4 36.2 54.2
54 43.3 35.0 52.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Tgt Ion: 164 Resp: 701970
Ion Ratio Lower Upper
164 100
162 98.7 79.4 119.0
160 45.1 36.2 54.2

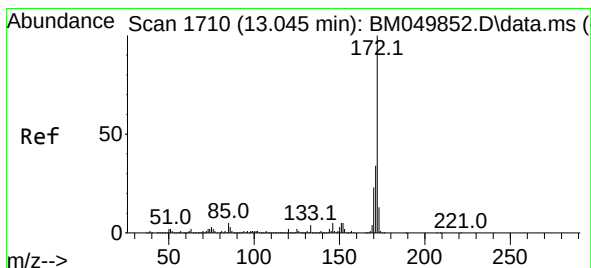
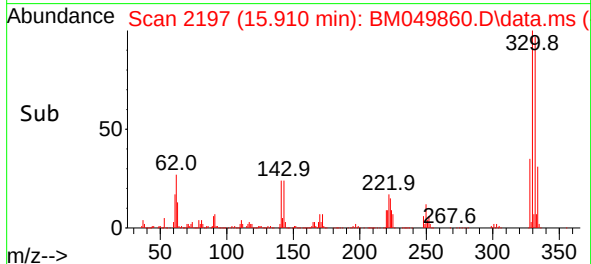
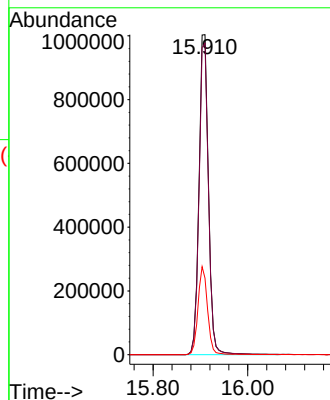
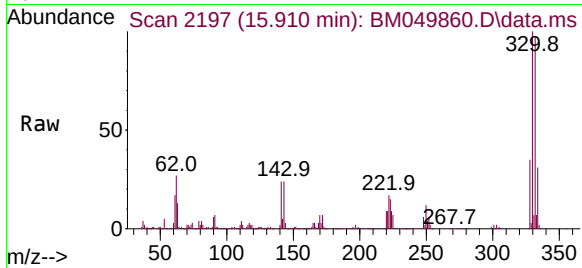




#42
2,4,6-Tribromophenol
Concen: 136.432 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

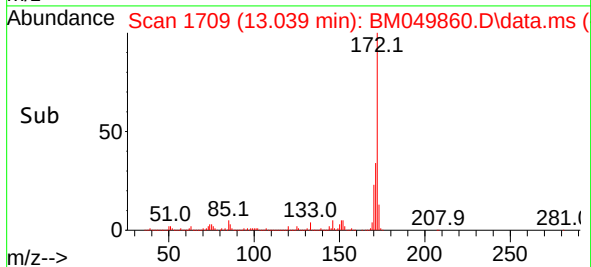
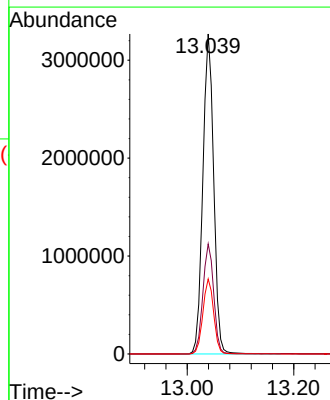
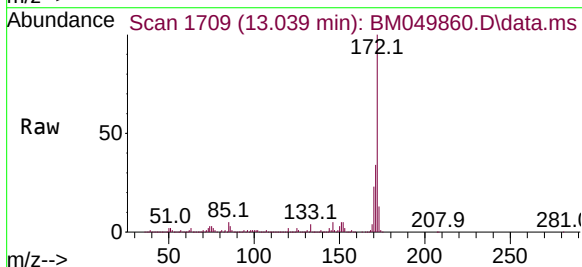
Instrument :
BNA_M
ClientSampleId :
PB167521BL

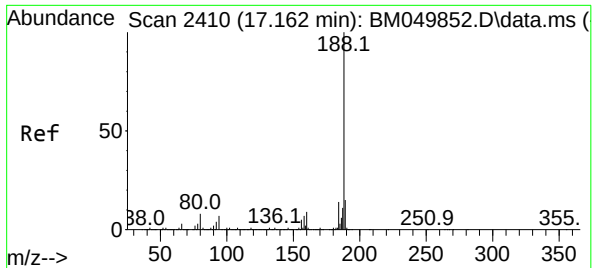
Tgt Ion:330 Resp: 1393023
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 27.8 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 89.167 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Tgt Ion:172 Resp: 4615951
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.2
170 23.4 18.6 28.0

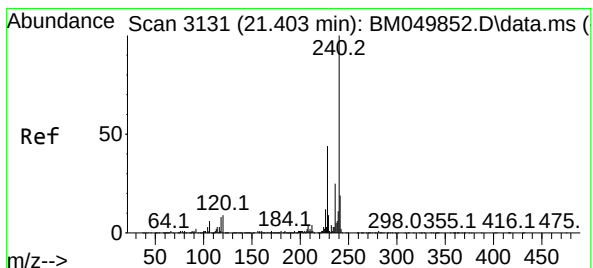
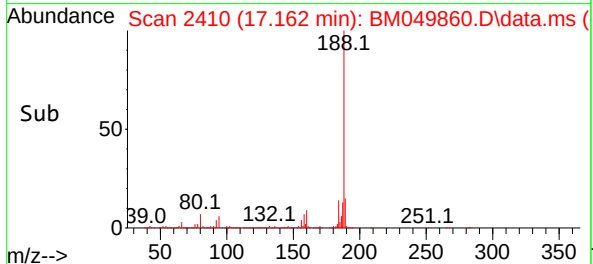
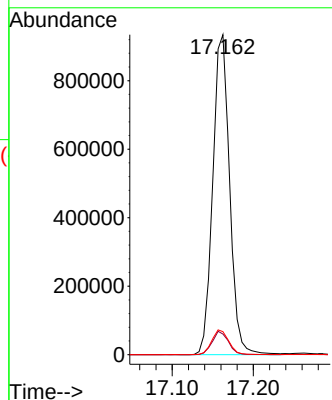
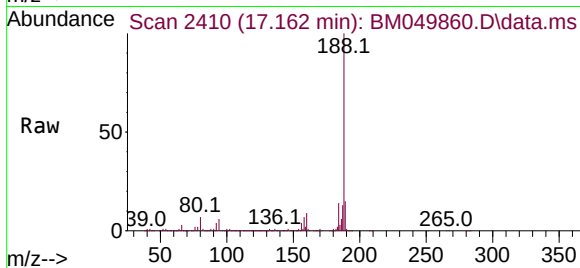




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

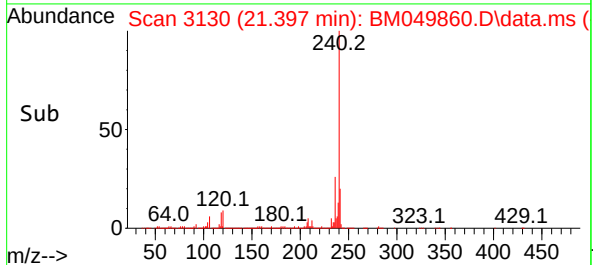
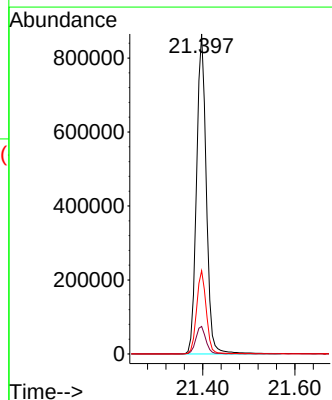
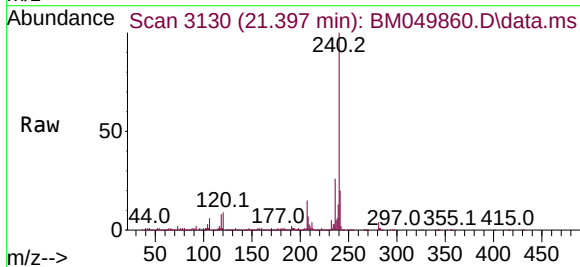
Instrument :
BNA_M
ClientSampleId :
PB167521BL

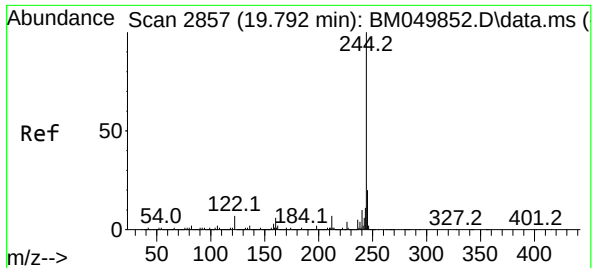
Tgt Ion:188 Resp: 1345526
Ion Ratio Lower Upper
188 100
94 6.4 5.8 8.6
80 7.2 6.4 9.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Tgt Ion:240 Resp: 1270012
Ion Ratio Lower Upper
240 100
120 8.6 6.9 10.3
236 26.0 20.4 30.6

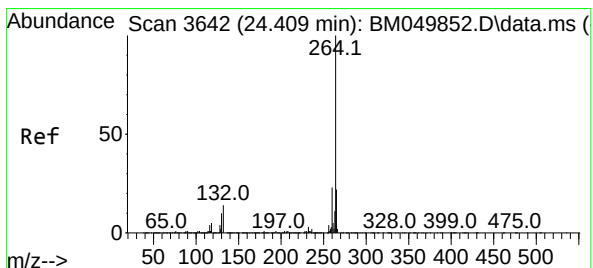
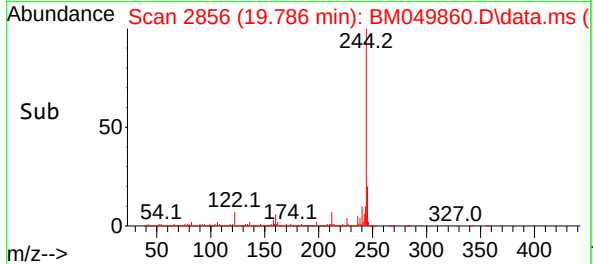
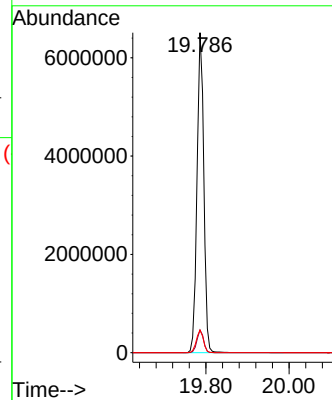
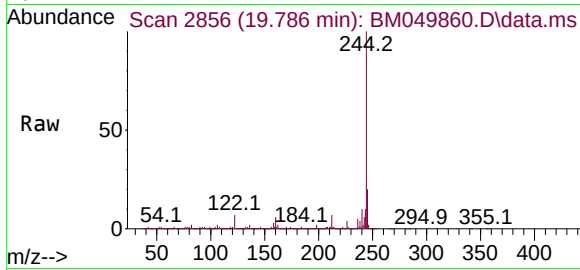




#79
Terphenyl-d14
Concen: 108.429 ng
RT: 19.786 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

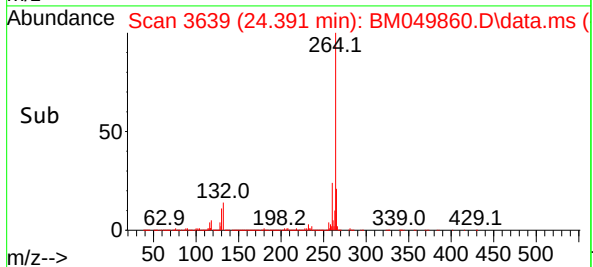
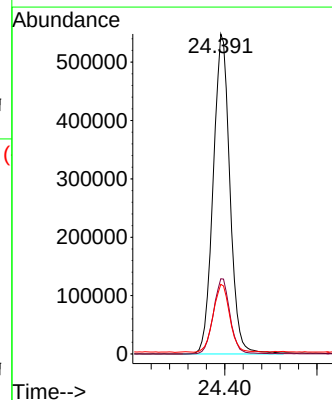
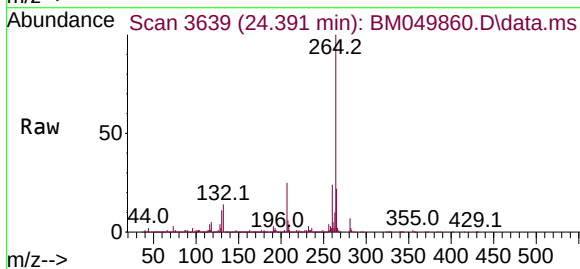
Instrument :
BNA_M
ClientSampleId :
PB167521BL

Tgt Ion:244 Resp: 7348045
Ion Ratio Lower Upper
244 100
212 7.1 5.5 8.3
122 7.1 5.4 8.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.018 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Tgt Ion:264 Resp: 1381061
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 21.8 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049860.D
 Acq On : 09 Apr 2025 09:48
 Operator : RC/JU
 Sample : PB167521BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167521BL

A
B
C
D
E
F
G
H
I
J
K

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049860.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.893	319	324	331	rBV	621713	828312	4.51%	1.050%
2	5.363	397	404	421	rBV	5572018	8103768	44.14%	10.273%
3	6.951	666	674	689	rBV	5200303	8017188	43.67%	10.163%
4	7.775	807	814	825	rBV	1146886	1795930	9.78%	2.277%
5	8.934	1003	1011	1023	rBV	3048207	5032869	27.41%	6.380%
6	10.569	1280	1289	1300	rBV	1289614	2203550	12.00%	2.793%
7	13.039	1701	1709	1727	rBV	8620554	12256483	66.76%	15.537%
8	14.416	1937	1943	1960	rBV	1859190	2833843	15.44%	3.592%
9	15.904	2188	2196	2210	rBV	6810742	9476102	51.62%	12.013%
10	17.162	2403	2410	2424	rBV2	2138722	3149174	17.15%	3.992%
11	19.786	2850	2856	2871	rBV	16064322	18358983	100.00%	23.273%
12	21.397	3124	3130	3139	rBV	2259669	3328561	18.13%	4.220%
13	24.391	3632	3639	3655	rVB	1387290	3499272	19.06%	4.436%

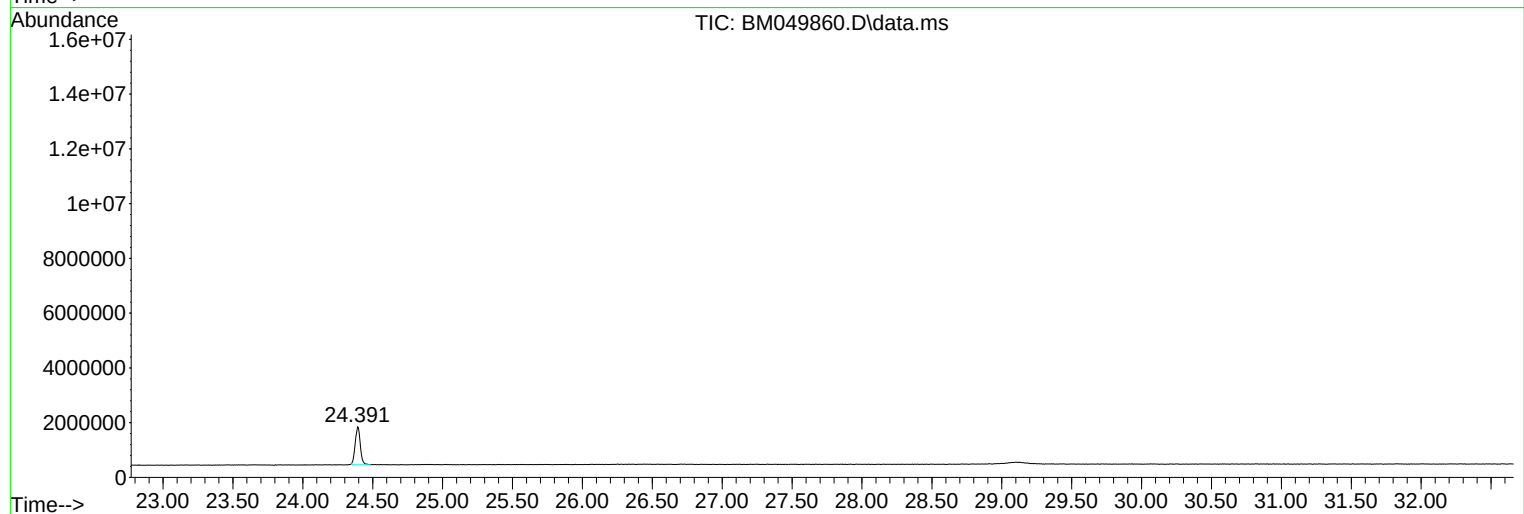
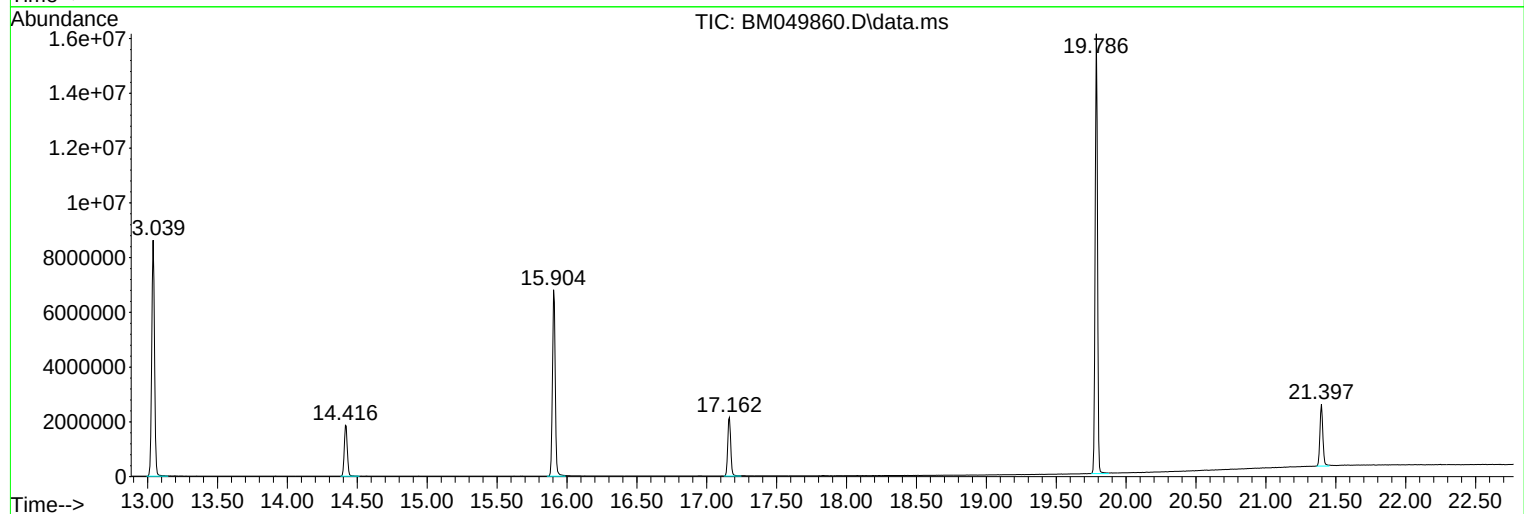
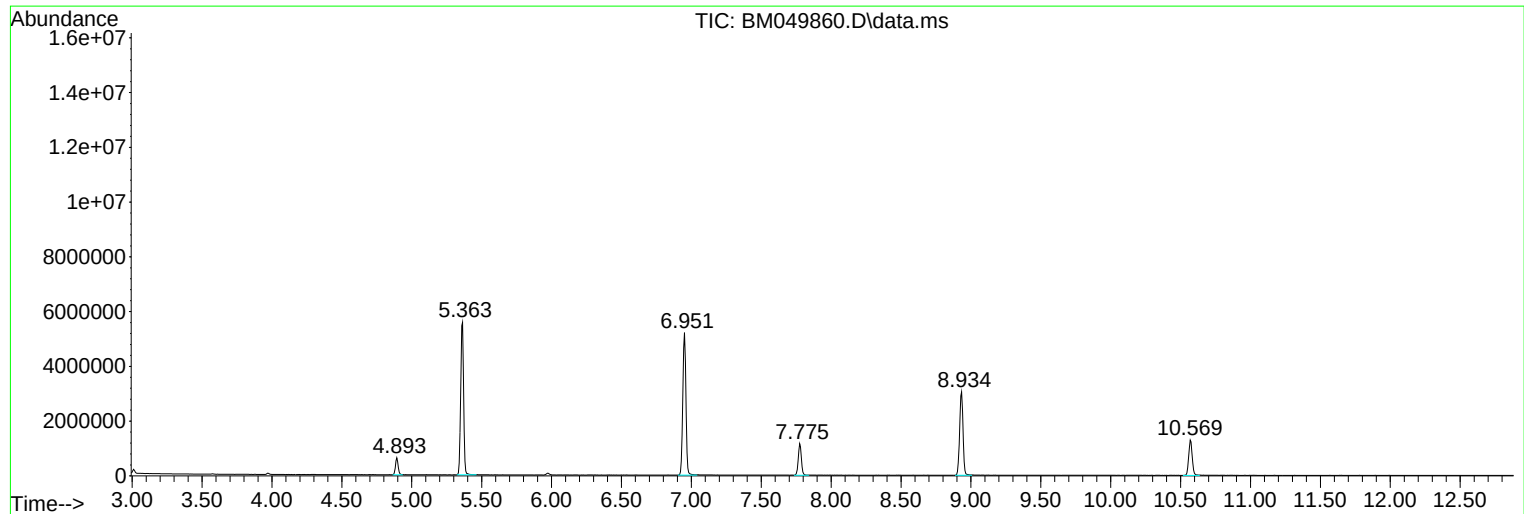
Sum of corrected areas: 78884035

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049860.D
Acq On : 09 Apr 2025 09:48
Operator : RC/JU
Sample : PB167521BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049860.D
Acq On : 09 Apr 2025 09:48
Operator : RC/JU
Sample : PB167521BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BL

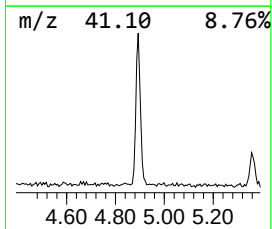
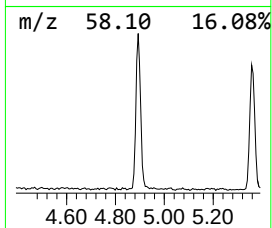
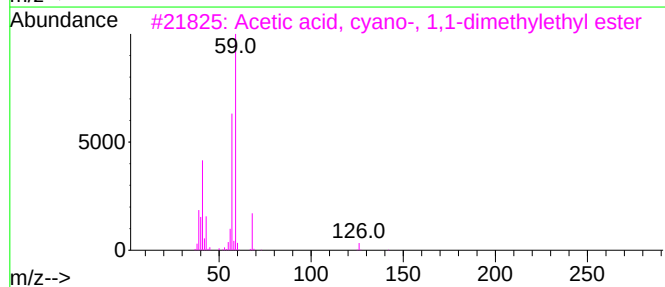
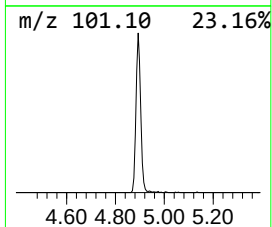
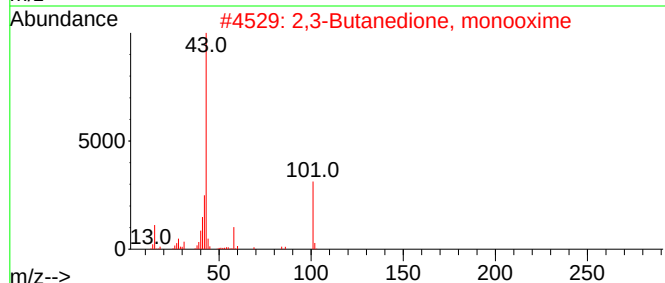
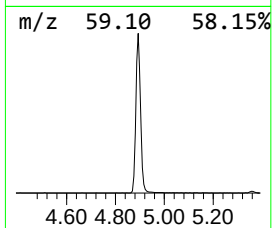
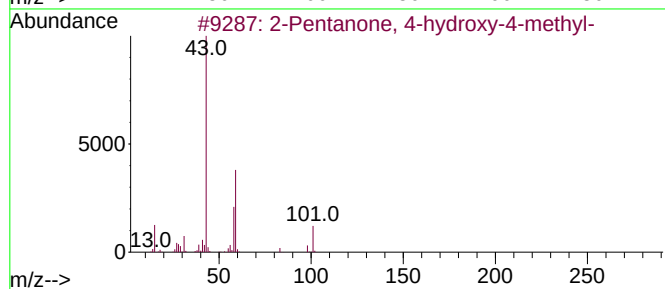
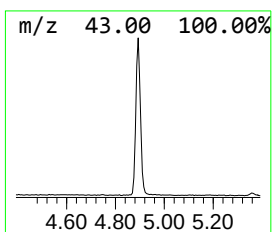
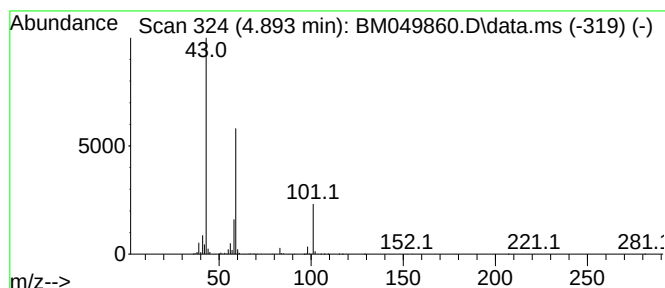
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.893	9.22 ng	828312	1,4-Dichlorobenzene-d4	7.775

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50	
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17	
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17	
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10	
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9	



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049860.D
Acq On : 09 Apr 2025 09:48
Operator : RC/JU
Sample : PB167521BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.893	9.2	ng	828312	1	7.775	1795930	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
 Data File : BM049947.D
 Acq On : 16 Apr 2025 11:26
 Operator : RC/JU
 Sample : PB167509BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

PB167509BS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/17/2025

Supervised By :Jagrut Upadhyay 04/17/2025

Quant Time: Apr 16 12:10:32 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Apr 09 04:00:55 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	335569	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1154159	20.000	ng	-0.01
39) Acenaphthene-d10	14.416	164	723173	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1408528	20.000	ng	0.00
76) Chrysene-d12	21.404	240	1396785	20.000	ng	0.00
86) Perylene-d12	24.403	264	1468801	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	2517914	127.414	ng	0.00
7) Phenol-d6	6.952	99	3087375	125.568	ng	0.00
23) Nitrobenzene-d5	8.928	82	1807121	87.189	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1524489	144.930	ng	0.00
45) 2-Fluorobiphenyl	13.034	172	4755133	89.163	ng	-0.01
79) Terphenyl-d14	19.786	244	7545930	101.243	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	285236	35.047	ng	99
3) Pyridine	3.652	79	801586	37.487	ng	99
4) n-Nitrosodimethylamine	3.564	42	348421	42.817	ng	100
6) Aniline	7.099	93	802210	38.077	ng	100
8) 2-Chlorophenol	7.340	128	926757	45.761	ng	99
9) Benzaldehyde	6.910	77	410086	32.502	ng	99
10) Phenol	6.981	94	1092338	45.526	ng	98
11) bis(2-Chloroethyl)ether	7.193	93	862929	45.862	ng	100
12) 1,3-Dichlorobenzene	7.657	146	1062242	44.365	ng	98
13) 1,4-Dichlorobenzene	7.805	146	1072356	44.511	ng	99
14) 1,2-Dichlorobenzene	8.122	146	1029815	45.382	ng	99
15) Benzyl Alcohol	8.016	79	709628	45.834	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.293	45	1007433	48.038	ng	98
17) 2-Methylphenol	8.222	107	711381	48.112	ng	99
18) Hexachloroethane	8.846	117	374982	44.738	ng	99
19) n-Nitroso-di-n-propyla...	8.581	70	626211	45.985	ng	99
20) 3+4-Methylphenols	8.552	107	954078	47.329	ng	99
22) Acetophenone	8.593	105	1241485	44.260	ng	# 99
24) Nitrobenzene	8.969	77	897029	44.947	ng	99
25) Isophorone	9.499	82	1683372	48.483	ng	99
26) 2-Nitrophenol	9.681	139	487144	46.053	ng	99
27) 2,4-Dimethylphenol	9.751	122	789352	65.846	ng	98
28) bis(2-Chloroethoxy)met...	9.975	93	1054935	45.383	ng	99
29) 2,4-Dichlorophenol	10.228	162	904031	45.368	ng	98
30) 1,2,4-Trichlorobenzene	10.428	180	1025903	44.503	ng	99
31) Naphthalene	10.616	128	2556936	43.115	ng	99
32) Benzoic acid	9.899	122	510676m	36.793	ng	
33) 4-Chloroaniline	10.728	127	517747	24.724	ng	98
34) Hexachlorobutadiene	10.904	225	658407	46.174	ng	98
35) Caprolactam	11.516	113	251400	43.988	ng	99
36) 4-Chloro-3-methylphenol	11.869	107	793616	45.467	ng	99
37) 2-Methylnaphthalene	12.228	142	1684399	40.312	ng	100
38) 1-Methylnaphthalene	12.451	142	1758489	43.198	ng	100
40) 1,2,4,5-Tetrachloroben...	12.604	216	1167474	46.145	ng	99
41) Hexachlorocyclopentadiene	12.581	237	1433013	161.644	ng	98
43) 2,4,6-Trichlorophenol	12.851	196	772469	47.982	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
 Data File : BM049947.D
 Acq On : 16 Apr 2025 11:26
 Operator : RC/JU
 Sample : PB167509BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

PB167509BS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/17/2025

Supervised By :Jagrut Upadhyay 04/17/2025

Quant Time: Apr 16 12:10:32 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Apr 09 04:00:55 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.928	196	833745	47.656	ng	99
46) 1,1'-Biphenyl	13.245	154	2422318	45.059	ng	100
47) 2-Chloronaphthalene	13.287	162	1925861	45.579	ng	98
48) 2-Nitroaniline	13.492	65	474869	48.580	ng	99
49) Acenaphthylene	14.139	152	3047254	49.510	ng	99
50) Dimethylphthalate	13.875	163	2358862	46.235	ng	100
51) 2,6-Dinitrotoluene	13.992	165	515213	48.200	ng	97
52) Acenaphthene	14.481	154	1764030	45.059	ng	99
53) 3-Nitroaniline	14.322	138	351369	34.011	ng	97
54) 2,4-Dinitrophenol	14.539	184	668125	85.742	ng	97
55) Dibenzofuran	14.816	168	2892823	44.201	ng	98
56) 4-Nitrophenol	14.651	139	879693	95.553	ng	99
57) 2,4-Dinitrotoluene	14.786	165	725380	50.868	ng	95
58) Fluorene	15.463	166	2409614	46.319	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	711309	46.388	ng	97
60) Diethylphthalate	15.239	149	2190399	44.769	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	1302004	46.682	ng	99
62) 4-Nitroaniline	15.486	138	502922	47.073	ng	99
63) Azobenzene	15.751	77	1866693	44.564	ng	97
65) 4,6-Dinitro-2-methylph...	15.551	198	437036	49.238	ng	98
66) n-Nitrosodiphenylamine	15.675	169	2034520	48.266	ng	99
67) 4-Bromophenyl-phenylether	16.351	248	790083	48.319	ng	97
68) Hexachlorobenzene	16.475	284	919430	49.022	ng	99
69) Atrazine	16.627	200	731486	66.929	ng	98
70) Pentachlorophenol	16.816	266	1280079	92.705	ng	100
71) Phenanthrene	17.204	178	3723574	48.220	ng	100
72) Anthracene	17.292	178	3775775	49.616	ng	100
73) Carbazole	17.563	167	3426685	47.807	ng	99
74) Di-n-butylphthalate	18.127	149	3828697	46.376	ng	99
75) Fluoranthene	19.221	202	4496471	47.358	ng	99
77) Benzidine	19.404	184	1898133	102.434	ng	100
78) Pyrene	19.580	202	4650588	48.311	ng	100
80) Butylbenzylphthalate	20.480	149	1697848	46.939	ng	99
81) Benzo(a)anthracene	21.386	228	4535328	48.856	ng	100
82) 3,3'-Dichlorobenzidine	21.304	252	1250970	35.685	ng	99
83) Chrysene	21.445	228	4184241	47.411	ng	99
84) Bis(2-ethylhexyl)phtha...	21.304	149	2394124	45.429	ng	98
85) Di-n-octyl phthalate	22.439	149	4115837	44.642	ng	100
87) Indeno(1,2,3-cd)pyrene	27.809	276	5360089	48.957	ng	99
88) Benzo(b)fluoranthene	23.462	252	4436790	47.297	ng	99
89) Benzo(k)fluoranthene	23.521	252	4265178	46.919	ng	100
90) Benzo(a)pyrene	24.268	252	4193597	50.874	ng	99
91) Dibenzo(a,h)anthracene	27.856	278	4387155	48.647	ng	99
92) Benzo(g,h,i)perylene	28.862	276	4256093	46.184	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
 Data File : BM049947.D
 Acq On : 16 Apr 2025 11:26
 Operator : RC/JU
 Sample : PB167509BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

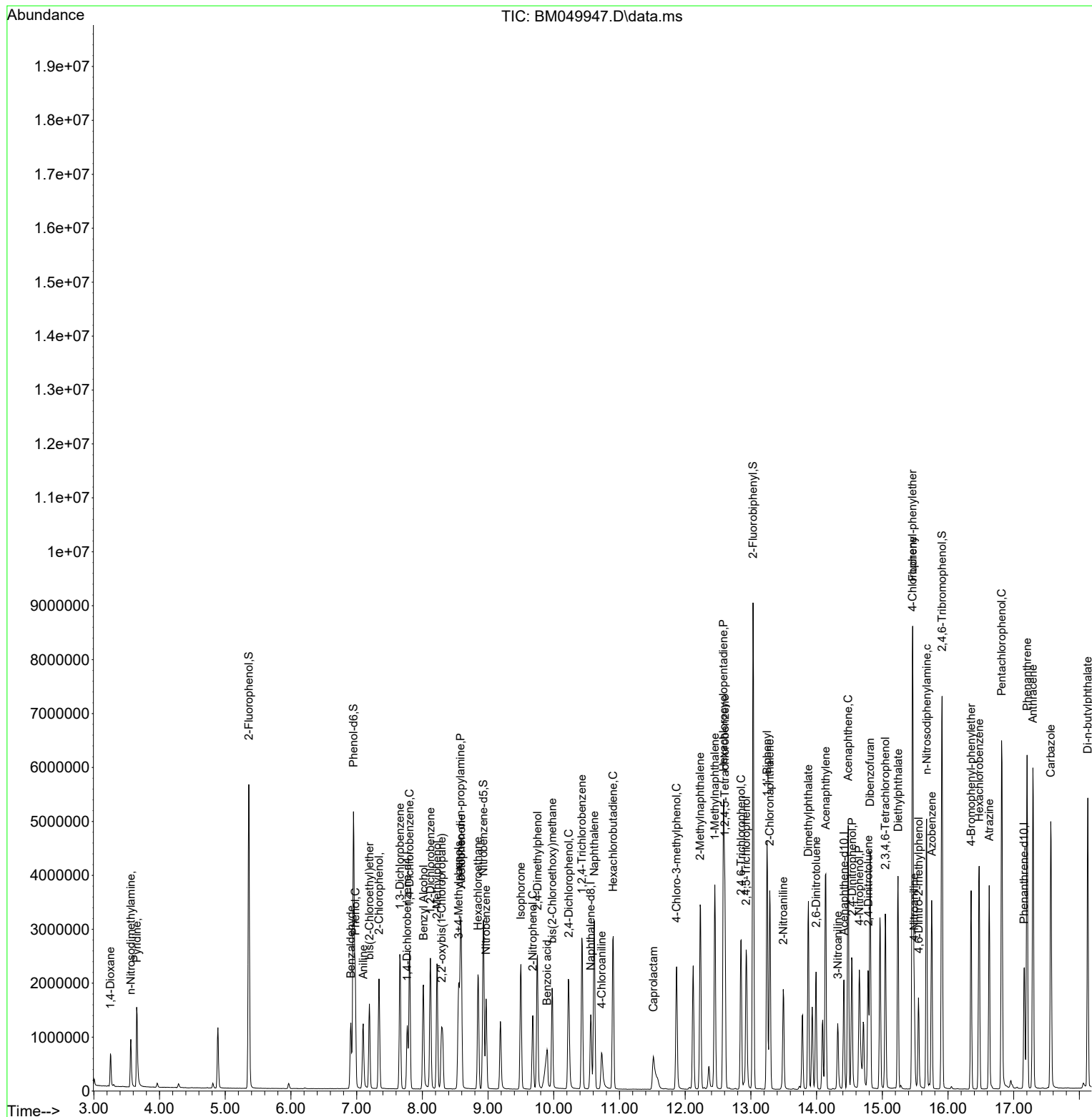
PB167509BS

Manual Integrations**APPROVED**

Reviewed By :Rahul Chavli 04/17/2025

Supervised By :Jagrut Upadhyay 04/17/2025

Quant Time: Apr 16 12:10:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration



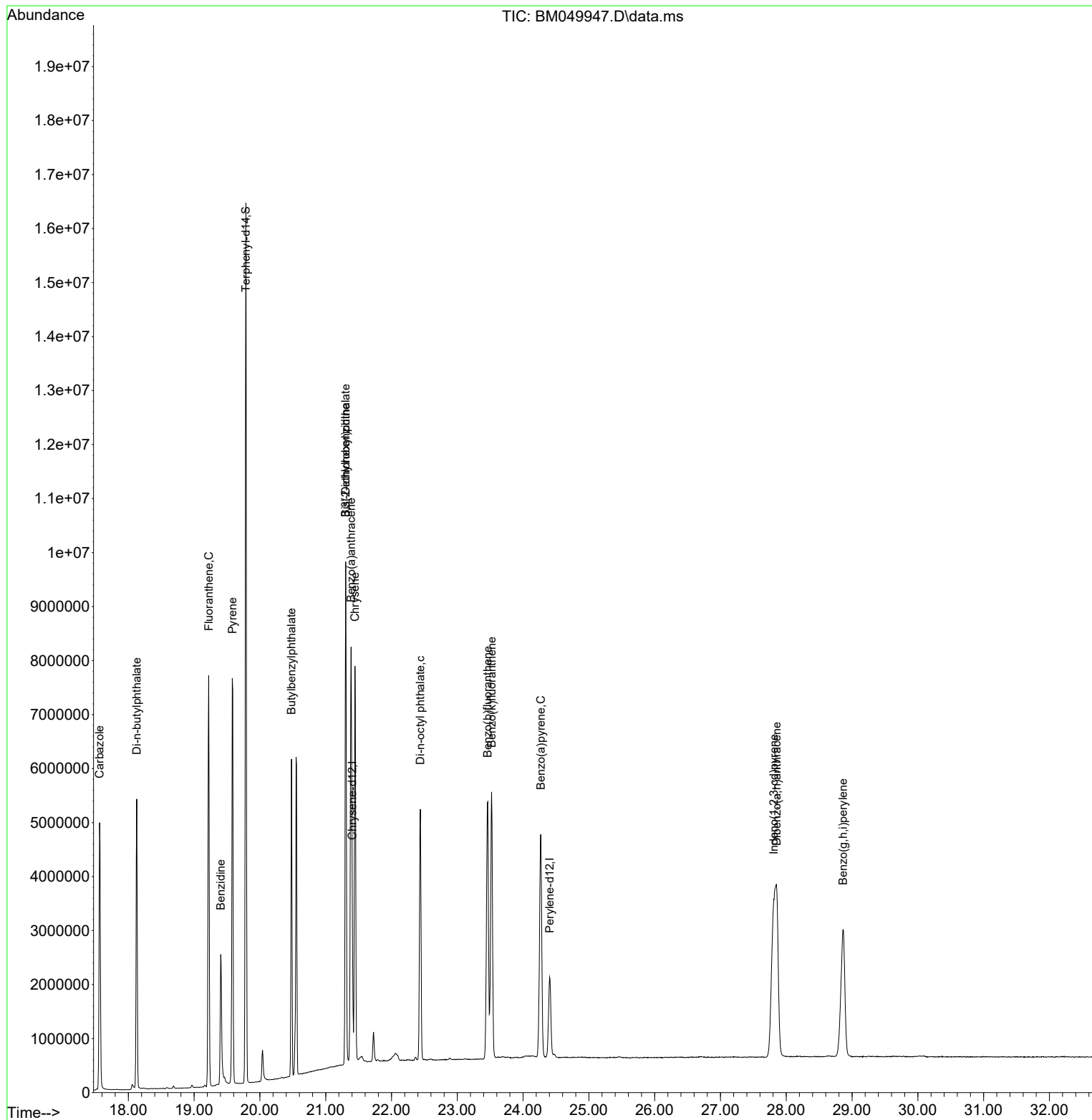
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049947.D
Acq On : 16 Apr 2025 11:26
Operator : RC/JU
Sample : PB167509BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

Quant Time: Apr 16 12:10:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049861.D
 Acq On : 09 Apr 2025 10:27
 Operator : RC/JU
 Sample : PB167521BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167521BS

Quant Time: Apr 10 01:10:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	336910	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1172193	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	730256	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1422911	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1400193	20.000	ng	0.00
86) Perylene-d12	24.391	264	1421398	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2359326	118.913	ng	0.00
7) Phenol-d6	6.951	99	2904820	117.673	ng	0.00
23) Nitrobenzene-d5	8.933	82	1673050	79.479	ng	0.00
42) 2,4,6-Tribromophenol	15.909	330	1380194	129.939	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4447030	82.577	ng	0.00
79) Terphenyl-d14	19.786	244	7050422	94.364	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.257	88	262686	32.148	ng	99
3) Pyridine	3.657	79	736378	34.301	ng	99
4) n-Nitrosodimethylamine	3.563	42	321708	39.377	ng	98
6) Aniline	7.104	93	786603	37.187	ng	100
8) 2-Chlorophenol	7.345	128	846424	41.628	ng	99
9) Benzaldehyde	6.916	77	452619	35.730	ng	98
10) Phenol	6.981	94	1015187	42.142	ng	98
11) bis(2-Chloroethyl)ether	7.198	93	781591	41.374	ng	99
12) 1,3-Dichlorobenzene	7.669	146	976490	40.621	ng	99
13) 1,4-Dichlorobenzene	7.810	146	989229	40.897	ng	99
14) 1,2-Dichlorobenzene	8.128	146	941895	41.342	ng	100
15) Benzyl Alcohol	8.016	79	656468	42.231	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.304	45	909970	43.218	ng	99
17) 2-Methylphenol	8.222	107	653053	43.991	ng	98
18) Hexachloroethane	8.857	117	345101	41.009	ng	98
19) n-Nitroso-di-n-propyla...	8.586	70	585502	42.824	ng	98
20) 3+4-Methylphenols	8.551	107	881759	43.568	ng	99
22) Acetophenone	8.598	105	1168530	41.018	ng	# 99
24) Nitrobenzene	8.975	77	821968	40.552	ng	98
25) Isophorone	9.504	82	1536740	43.579	ng	99
26) 2-Nitrophenol	9.686	139	430155	40.040	ng	99
27) 2,4-Dimethylphenol	9.751	122	738065	60.621	ng	99
28) bis(2-Chloroethoxy)met...	9.980	93	981482	41.574	ng	99
29) 2,4-Dichlorophenol	10.222	162	842978	41.653	ng	99
30) 1,2,4-Trichlorobenzene	10.433	180	943265	40.289	ng	99
31) Naphthalene	10.622	128	2371128	39.367	ng	99
32) Benzoic acid	9.886	122	519818	36.856	ng	97
33) 4-Chloroaniline	10.727	127	451143	21.212	ng	98
34) Hexachlorobutadiene	10.910	225	596021	41.155	ng	99
35) Caprolactam	11.510	113	229193	39.485	ng	96
36) 4-Chloro-3-methylphenol	11.863	107	741890	41.849	ng	99
37) 2-Methylnaphthalene	12.233	142	1561901	36.805	ng	100
38) 1-Methylnaphthalene	12.457	142	1638645	39.635	ng	99
40) 1,2,4,5-Tetrachloroben...	12.610	216	1082730	42.381	ng	98
41) Hexachlorocyclopentadiene	12.592	237	1584026	176.945	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	701162	43.130	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049861.D
 Acq On : 09 Apr 2025 10:27
 Operator : RC/JU
 Sample : PB167521BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167521BS

Quant Time: Apr 10 01:10:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

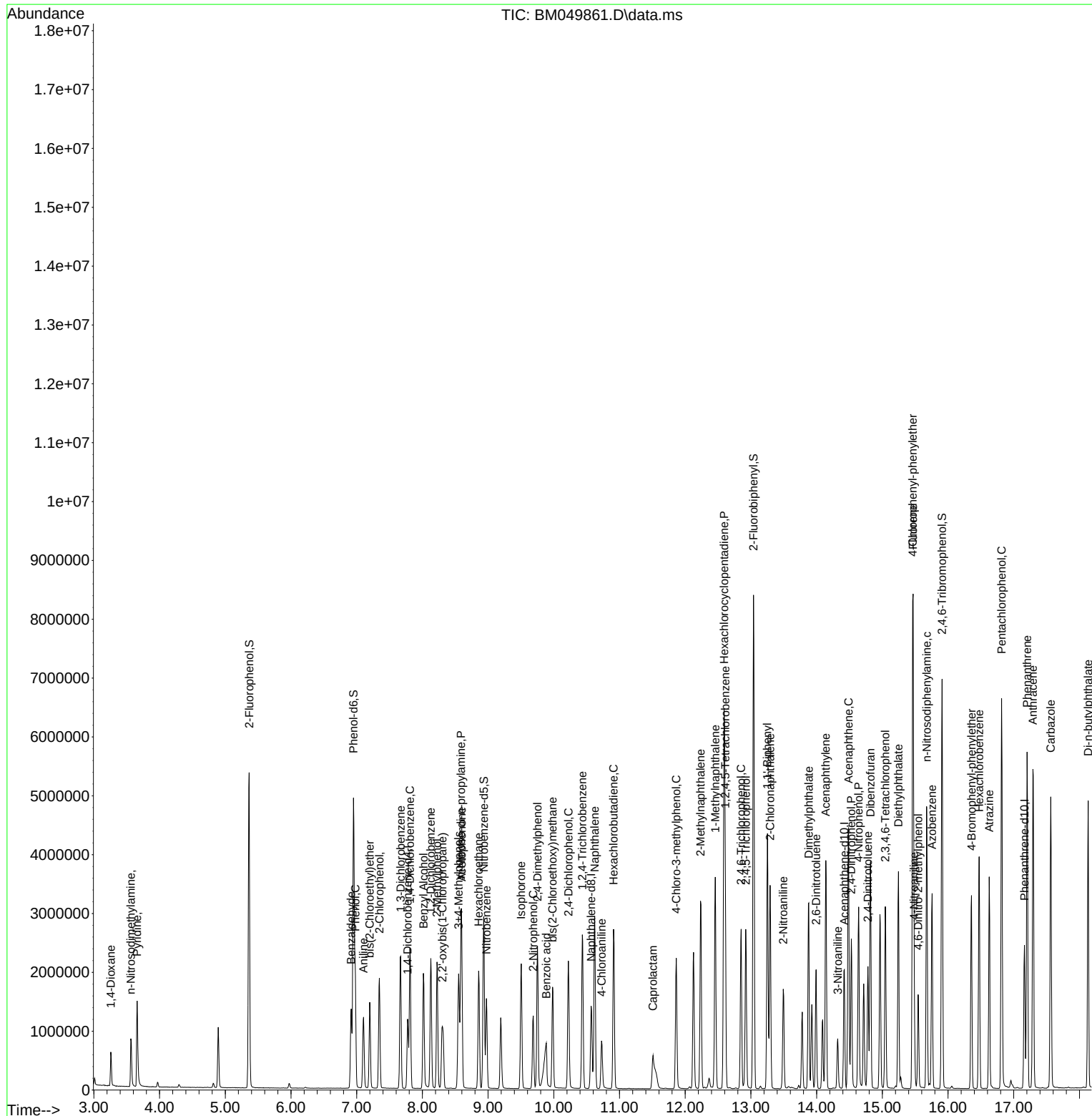
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.921	196	762647	43.169	ng	100
46) 1,1'-Biphenyl	13.251	154	2258251	41.600	ng	99
47) 2-Chloronaphthalene	13.292	162	1799659	42.179	ng	99
48) 2-Nitroaniline	13.492	65	431984	43.764	ng	96
49) Acenaphthylene	14.139	152	2838072	45.664	ng	100
50) Dimethylphthalate	13.880	163	2167102	42.064	ng	100
51) 2,6-Dinitrotoluene	13.992	165	468618	43.415	ng	96
52) Acenaphthene	14.486	154	1650214	41.742	ng	99
53) 3-Nitroaniline	14.321	138	231391	22.180	ng	98
54) 2,4-Dinitrophenol	14.527	184	627402	80.241	ng	97
55) Dibenzofuran	14.821	168	2688052	40.674	ng	99
56) 4-Nitrophenol	14.639	139	859247	92.427	ng	100
57) 2,4-Dinitrotoluene	14.780	165	659596	45.806	ng	98
58) Fluorene	15.468	166	2242323	42.685	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	651304	42.062	ng	99
60) Diethylphthalate	15.245	149	2033089	41.151	ng	99
61) 4-Chlorophenyl-phenyle...	15.462	204	1214951	43.138	ng	100
62) 4-Nitroaniline	15.486	138	448934	41.612	ng	97
63) Azobenzene	15.757	77	1748674	41.341	ng	98
65) 4,6-Dinitro-2-methylph...	15.545	198	390616	43.564	ng	99
66) n-Nitrosodiphenylamine	15.674	169	1888370	44.346	ng	100
67) 4-Bromophenyl-phenylether	16.356	248	716854	43.398	ng	97
68) Hexachlorobenzene	16.474	284	829113	43.760	ng	98
69) Atrazine	16.627	200	686882	62.213	ng	99
70) Pentachlorophenol	16.815	266	1213366	86.985	ng	99
71) Phenanthrene	17.203	178	3414386	43.769	ng	100
72) Anthracene	17.292	178	3489185	45.387	ng	99
73) Carbazole	17.562	167	3162399	43.674	ng	99
74) Di-n-butylphthalate	18.133	149	3486809	41.808	ng	99
75) Fluoranthene	19.221	202	4035546	42.074	ng	99
77) Benzidine	19.403	184	1680751	90.482	ng	100
78) Pyrene	19.580	202	4223716	43.770	ng	100
80) Butylbenzylphthalate	20.486	149	1532691	42.270	ng	97
81) Benzo(a)anthracene	21.380	228	4096069	44.017	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	825078	23.478	ng	100
83) Chrysene	21.444	228	3809504	43.060	ng	100
84) Bis(2-ethylhexyl)phtha...	21.309	149	2204910	41.737	ng	99
85) Di-n-octyl phthalate	22.438	149	3700122	40.036	ng	100
87) Indeno(1,2,3-cd)pyrene	27.779	276	4713585	44.488	ng	99
88) Benzo(b)fluoranthene	23.450	252	3803665	41.900	ng	100
89) Benzo(k)fluoranthene	23.515	252	3915062	44.504	ng	100
90) Benzo(a)pyrene	24.256	252	3700670	46.391	ng	99
91) Dibenzo(a,h)anthracene	27.832	278	3840955	44.011	ng	99
92) Benzo(g,h,i)perylene	28.832	276	3776735	42.349	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049861.D
Acq On : 09 Apr 2025 10:27
Operator : RC/JU
Sample : PB167521BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BS

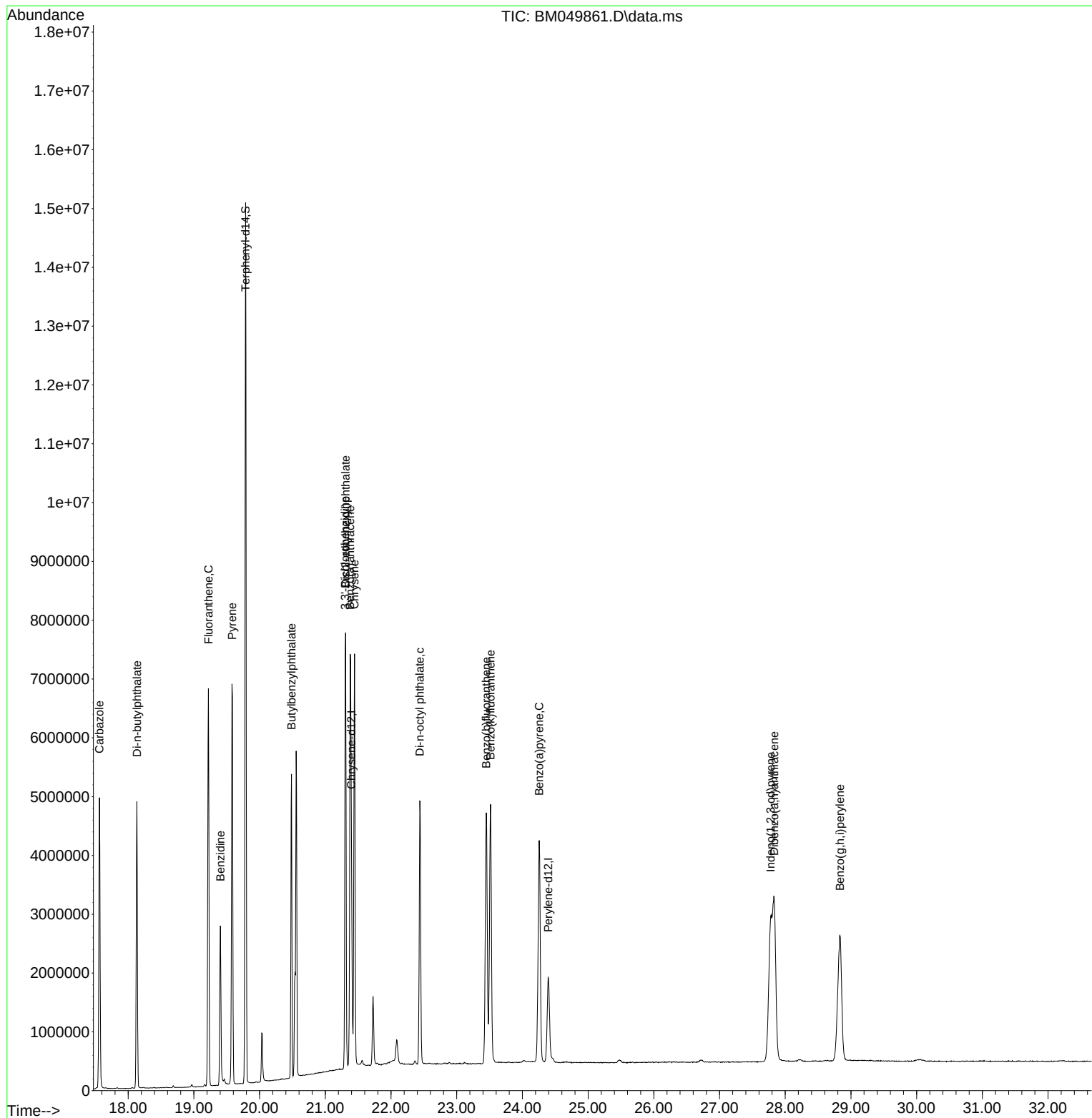
Quant Time: Apr 10 01:10:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049861.D
Acq On : 09 Apr 2025 10:27
Operator : RC/JU
Sample : PB167521BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Quant Time: Apr 10 01:10:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049862.D
 Acq On : 09 Apr 2025 11:06
 Operator : RC/JU
 Sample : PB167521BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167521BSD

Quant Time: Apr 10 01:11:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	335066	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1150025	20.000	ng	0.00
39) Acenaphthene-d10	14.415	164	735598	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1446565	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1438522	20.000	ng	0.00
86) Perylene-d12	24.391	264	1424302	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2462350	124.789	ng	0.00
7) Phenol-d6	6.951	99	3004228	122.370	ng	0.00
23) Nitrobenzene-d5	8.933	82	1745095	84.499	ng	0.00
42) 2,4,6-Tribromophenol	15.909	330	1453370	135.835	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4580069	84.430	ng	0.00
79) Terphenyl-d14	19.786	244	7567987	98.593	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.257	88	289952	35.680	ng	99
3) Pyridine	3.657	79	810865	37.978	ng	98
4) n-Nitrosodimethylamine	3.563	42	341143	41.985	ng	96
6) Aniline	7.104	93	910625	43.288	ng	99
8) 2-Chlorophenol	7.345	128	896976	44.357	ng	99
9) Benzaldehyde	6.916	77	471360	37.414	ng	97
10) Phenol	6.981	94	1070288	44.674	ng	98
11) bis(2-Chloroethyl)ether	7.198	93	824742	43.899	ng	98
12) 1,3-Dichlorobenzene	7.669	146	1045388	43.726	ng	99
13) 1,4-Dichlorobenzene	7.810	146	1050000	43.648	ng	99
14) 1,2-Dichlorobenzene	8.128	146	1011408	44.638	ng	100
15) Benzyl Alcohol	8.016	79	696410	45.047	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.304	45	951860	45.456	ng	99
17) 2-Methylphenol	8.222	107	687637	46.576	ng	98
18) Hexachloroethane	8.857	117	363531	43.436	ng	97
19) n-Nitroso-di-n-propyla...	8.586	70	599988	44.125	ng	100
20) 3+4-Methylphenols	8.551	107	919992	45.707	ng	98
22) Acetophenone	8.598	105	1211222	43.337	ng	# 98
24) Nitrobenzene	8.975	77	866706	43.583	ng	99
25) Isophorone	9.504	82	1614808	46.675	ng	98
26) 2-Nitrophenol	9.686	139	457262	43.383	ng	99
27) 2,4-Dimethylphenol	9.751	122	763120	63.887	ng	98
28) bis(2-Chloroethoxy)met...	9.980	93	1026510	44.319	ng	99
29) 2,4-Dichlorophenol	10.222	162	879670	44.304	ng	99
30) 1,2,4-Trichlorobenzene	10.433	180	1007214	43.849	ng	100
31) Naphthalene	10.622	128	2487681	42.098	ng	99
32) Benzoic acid	9.886	122	500509	36.330	ng	99
33) 4-Chloroaniline	10.727	127	532920	25.540	ng	97
34) Hexachlorobutadiene	10.910	225	629806	44.327	ng	98
35) Caprolactam	11.510	113	240290	42.195	ng	93
36) 4-Chloro-3-methylphenol	11.863	107	759543	43.671	ng	99
37) 2-Methylnaphthalene	12.233	142	1628063	39.104	ng	99
38) 1-Methylnaphthalene	12.457	142	1708396	42.118	ng	99
40) 1,2,4,5-Tetrachloroben...	12.610	216	1141788	44.368	ng	99
41) Hexachlorocyclopentadiene	12.592	237	1686714	187.047	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	727525	44.427	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049862.D
 Acq On : 09 Apr 2025 11:06
 Operator : RC/JU
 Sample : PB167521BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167521BSD

Quant Time: Apr 10 01:11:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

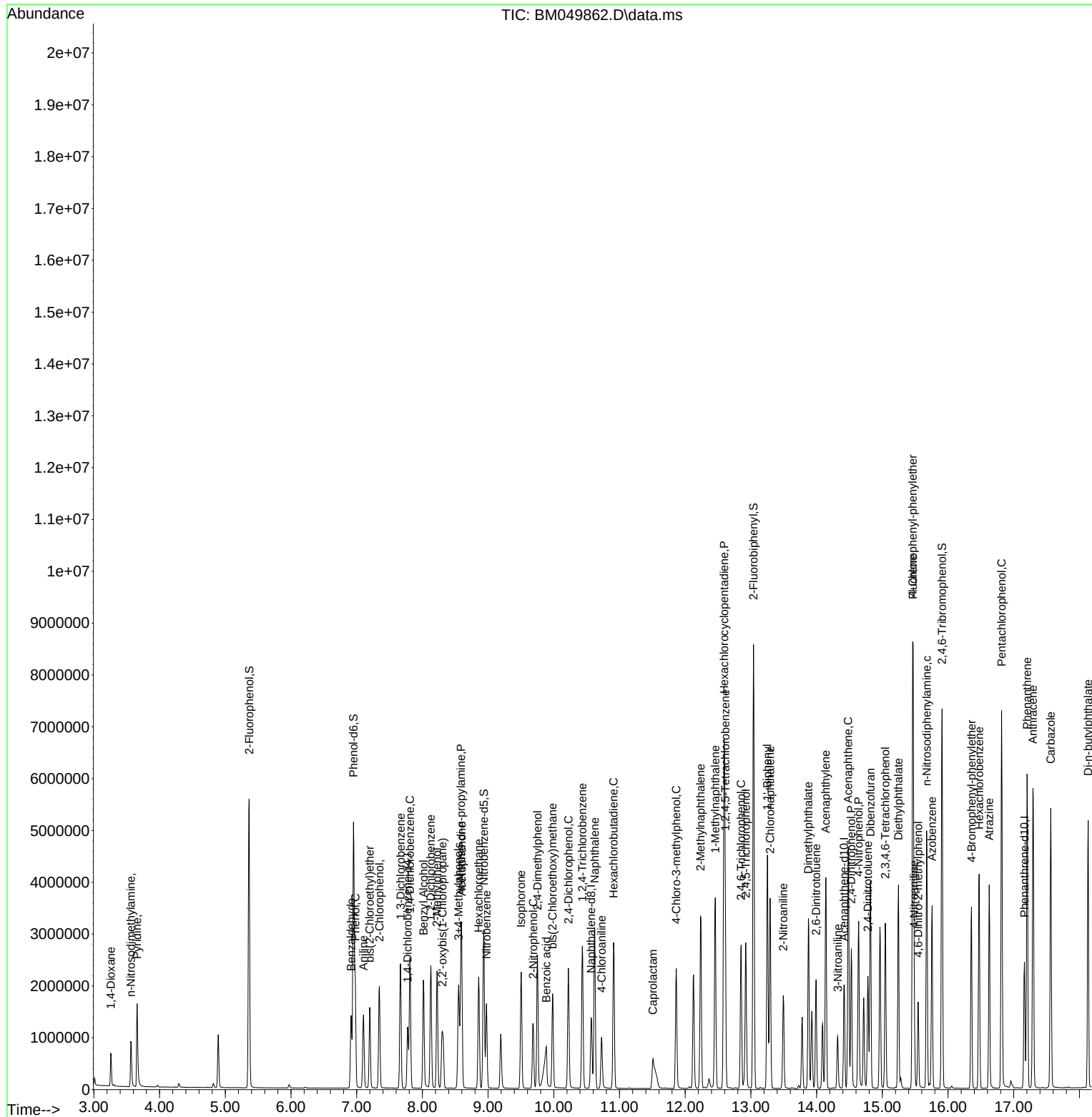
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.921	196	801550	45.042	ng	98
46) 1,1'-Biphenyl	13.251	154	2358457	43.130	ng	100
47) 2-Chloronaphthalene	13.292	162	1874993	43.626	ng	99
48) 2-Nitroaniline	13.492	65	456388	45.900	ng	98
49) Acenaphthylene	14.139	152	2942784	47.005	ng	100
50) Dimethylphthalate	13.874	163	2272895	43.798	ng	99
51) 2,6-Dinitrotoluene	13.992	165	493805	45.417	ng	99
52) Acenaphthene	14.480	154	1709875	42.938	ng	99
53) 3-Nitroaniline	14.321	138	278294	26.483	ng	98
54) 2,4-Dinitrophenol	14.527	184	670209	84.656	ng	97
55) Dibenzofuran	14.821	168	2780257	41.763	ng	98
56) 4-Nitrophenol	14.639	139	932568	99.585	ng	100
57) 2,4-Dinitrotoluene	14.780	165	697060	48.056	ng	98
58) Fluorene	15.468	166	2353879	44.483	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	682132	43.733	ng	99
60) Diethylphthalate	15.245	149	2135751	42.915	ng	99
61) 4-Chlorophenyl-phenyle...	15.462	204	1268642	44.717	ng	99
62) 4-Nitroaniline	15.486	138	485055	44.634	ng	99
63) Azobenzene	15.757	77	1821372	42.747	ng	98
65) 4,6-Dinitro-2-methylph...	15.545	198	414097	45.427	ng	98
66) n-Nitrosodiphenylamine	15.674	169	1981248	45.767	ng	100
67) 4-Bromophenyl-phenylether	16.356	248	754789	44.947	ng	96
68) Hexachlorobenzene	16.474	284	878488	45.607	ng	99
69) Atrazine	16.627	200	740849	66.004	ng	99
70) Pentachlorophenol	16.815	266	1304253	91.972	ng	100
71) Phenanthrene	17.203	178	3640568	45.905	ng	100
72) Anthracene	17.292	178	3723016	47.636	ng	100
73) Carbazole	17.562	167	3395893	46.132	ng	100
74) Di-n-butylphthalate	18.133	149	3742613	44.141	ng	100
75) Fluoranthene	19.221	202	4385651	44.976	ng	99
77) Benzidine	19.403	184	2008454	105.243	ng	100
78) Pyrene	19.580	202	4546344	45.858	ng	99
80) Butylbenzylphthalate	20.480	149	1651961	44.345	ng	99
81) Benzo(a)anthracene	21.380	228	4441714	46.460	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	934995	25.897	ng	100
83) Chrysene	21.444	228	4103005	45.142	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	2393538	44.100	ng	99
85) Di-n-octyl phthalate	22.438	149	4015047	42.286	ng	100
87) Indeno(1,2,3-cd)pyrene	27.773	276	4976589	46.874	ng	99
88) Benzo(b)fluoranthene	23.450	252	4090414	44.967	ng	99
89) Benzo(k)fluoranthene	23.515	252	4161896	47.213	ng	99
90) Benzo(a)pyrene	24.256	252	3924916	49.102	ng	99
91) Dibenzo(a,h)anthracene	27.832	278	4042770	46.229	ng	99
92) Benzo(g,h,i)perylene	28.832	276	3959871	44.312	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049862.D
Acq On : 09 Apr 2025 11:06
Operator : RC/JU
Sample : PB167521BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

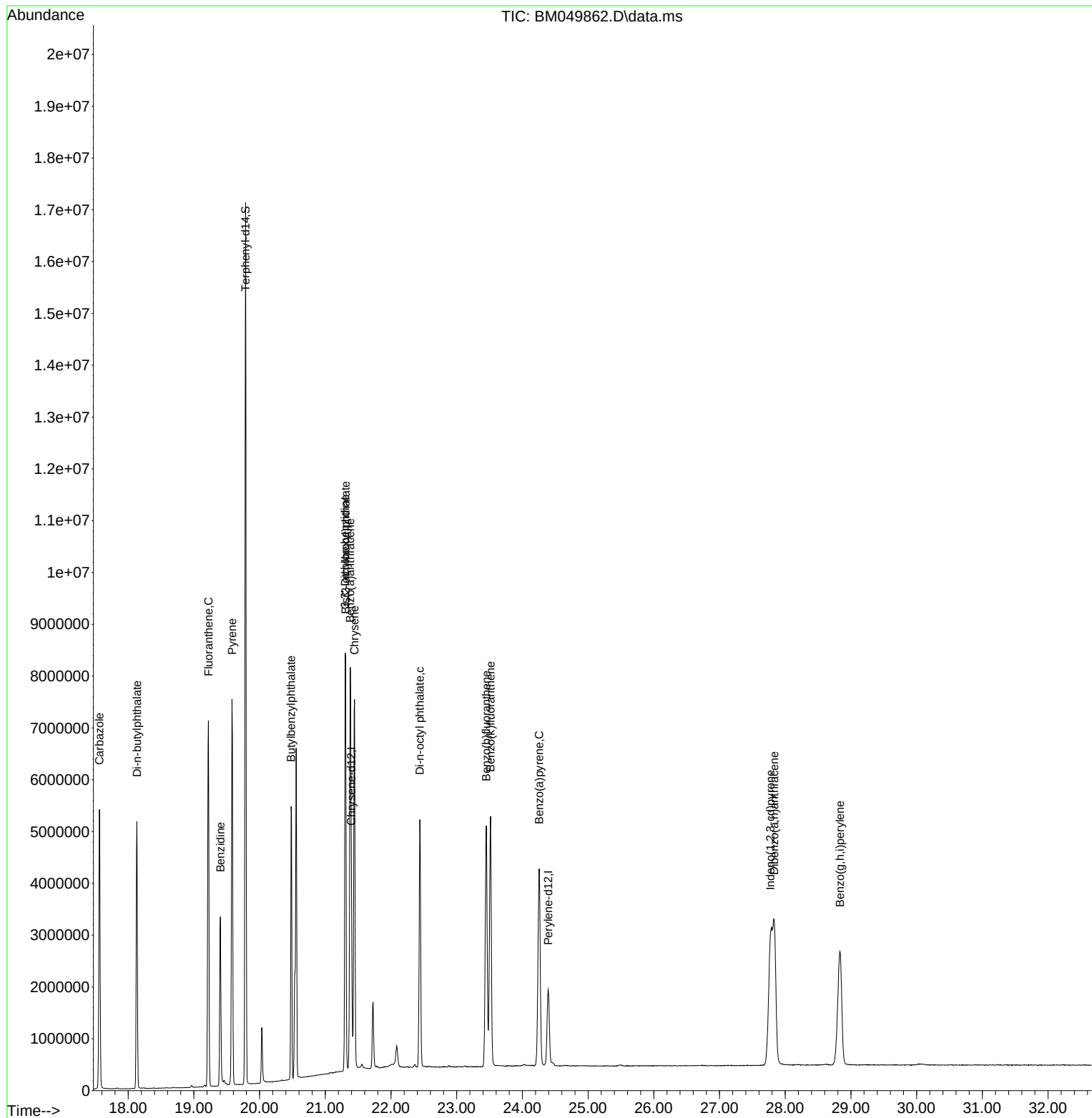
Quant Time: Apr 10 01:11:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049862.D
Acq On : 09 Apr 2025 11:06
Operator : RC/JU
Sample : PB167521BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Quant Time: Apr 10 01:11:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049865.D
 Acq On : 09 Apr 2025 13:08
 Operator : RC/JU
 Sample : Q1744-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-158-SB01MS

Quant Time: Apr 10 01:41:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	298114	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1050152	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	691142	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1385053	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1462184	20.000	ng	0.00
86) Perylene-d12	24.391	264	1514539	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2155451	122.776	ng	0.00
7) Phenol-d6	6.951	99	2724158	124.716	ng	0.00
23) Nitrobenzene-d5	8.934	82	1562799	82.869	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1354417	134.729	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4162286	81.663	ng	0.00
79) Terphenyl-d14	19.786	244	6978001	89.436	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.257	88	309728	42.838	ng	99
3) Pyridine	3.657	79	835012	43.957	ng	99
4) n-Nitrosodimethylamine	3.563	42	327410	45.290	ng	97
6) Aniline	7.104	93	421157	22.502	ng	99
8) 2-Chlorophenol	7.345	128	863377	47.988	ng	99
9) Benzaldehyde	6.916	77	478135	42.656	ng	98
10) Phenol	6.975	94	1072705	50.325	ng	99
11) bis(2-Chloroethyl)ether	7.198	93	779707	46.646	ng	98
12) 1,3-Dichlorobenzene	7.663	146	989476	46.518	ng	98
13) 1,4-Dichlorobenzene	7.810	146	994756	46.478	ng	100
14) 1,2-Dichlorobenzene	8.128	146	951142	47.181	ng	99
15) Benzyl Alcohol	8.016	79	687559	49.988	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.304	45	912146	48.959	ng	99
17) 2-Methylphenol	8.222	107	671680	51.134	ng	98
18) Hexachloroethane	8.857	117	347778	46.705	ng	99
19) n-Nitroso-di-n-propyla...	8.581	70	585438	48.392	ng	99
20) 3+4-Methylphenols	8.551	107	921924	51.480	ng	99
22) Acetophenone	8.598	105	1181375	46.289	ng	# 99
24) Nitrobenzene	8.975	77	842536	46.397	ng	98
25) Isophorone	9.504	82	1587310	50.244	ng	99
26) 2-Nitrophenol	9.686	139	447885	46.535	ng	99
27) 2,4-Dimethylphenol	9.751	122	756789	69.382	ng	99
28) bis(2-Chloroethoxy)met...	9.981	93	998019	47.187	ng	99
29) 2,4-Dichlorophenol	10.222	162	867930	47.870	ng	98
30) 1,2,4-Trichlorobenzene	10.434	180	953445	45.456	ng	99
31) Naphthalene	10.622	128	2418053	44.811	ng	99
32) Benzoic acid	9.886	122	566179	42.966	ng	98
33) 4-Chloroaniline	10.728	127	212114	11.132	ng	99
34) Hexachlorobutadiene	10.910	225	592511	45.668	ng	99
35) Caprolactam	11.510	113	244776	47.070	ng	95
36) 4-Chloro-3-methylphenol	11.863	107	780324	49.133	ng	99
37) 2-Methylnaphthalene	12.233	142	1605733	42.235	ng	100
38) 1-Methylnaphthalene	12.457	142	1688879	45.597	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	1105688	45.728	ng	99
41) Hexachlorocyclopentadiene	12.592	237	1498293	176.840	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	737476	47.931	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049865.D
 Acq On : 09 Apr 2025 13:08
 Operator : RC/JU
 Sample : Q1744-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-158-SB01MS

Quant Time: Apr 10 01:41:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

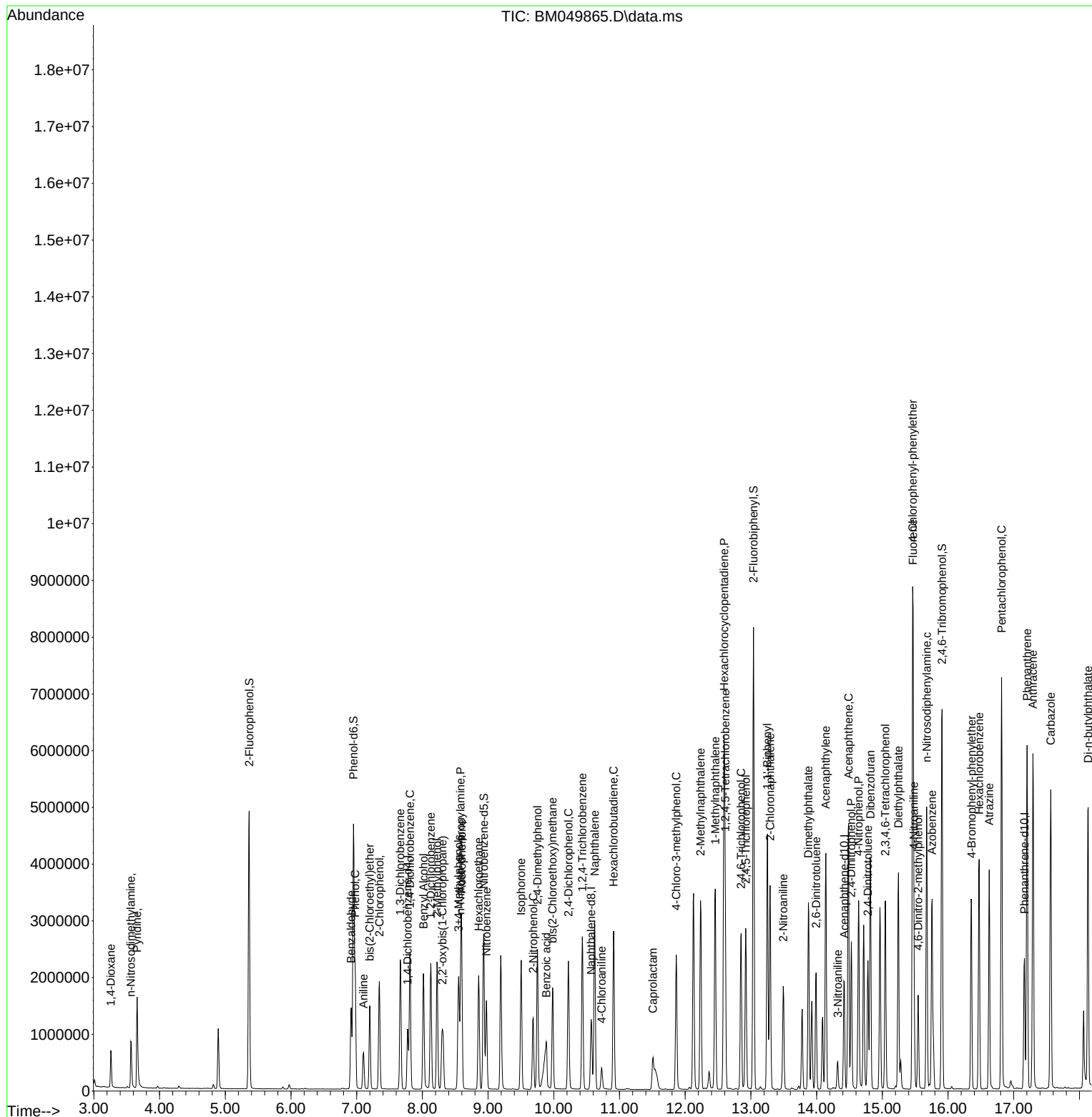
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	799432	47.812	ng	99
46) 1,1'-Biphenyl	13.251	154	2353870	45.815	ng	100
47) 2-Chloronaphthalene	13.292	162	1863914	46.157	ng	99
48) 2-Nitroaniline	13.492	65	458167	49.043	ng	98
49) Acenaphthylene	14.139	152	2960303	50.326	ng	99
50) Dimethylphthalate	13.874	163	2262384	46.399	ng	99
51) 2,6-Dinitrotoluene	13.992	165	490899	48.053	ng	98
52) Acenaphthene	14.486	154	1735053	46.372	ng	99
53) 3-Nitroaniline	14.321	138	132704	13.440	ng	100
54) 2,4-Dinitrophenol	14.527	184	621378	83.632	ng	98
55) Dibenzofuran	14.821	168	2807021	44.878	ng	98
56) 4-Nitrophenol	14.639	139	930802	105.790	ng	100
57) 2,4-Dinitrotoluene	14.780	165	697374	51.170	ng	97
58) Fluorene	15.468	166	2361809	47.504	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	689387	47.041	ng	99
60) Diethylphthalate	15.245	149	2130155	45.556	ng	99
61) 4-Chlorophenyl-phenyle...	15.463	204	1275390	47.847	ng	99
62) 4-Nitroaniline	15.480	138	451987	44.266	ng	99
63) Azobenzene	15.757	77	2042909	51.031	ng	98
65) 4,6-Dinitro-2-methylph...	15.545	198	401583	46.011	ng	99
66) n-Nitrosodiphenylamine	15.674	169	1992233	48.064	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	755272	46.973	ng	96
68) Hexachlorobenzene	16.474	284	874487	47.416	ng	98
69) Atrazine	16.627	200	726702	67.619	ng	97
70) Pentachlorophenol	16.815	266	1316399	96.951	ng	99
71) Phenanthrene	17.204	178	3664770	48.263	ng	100
72) Anthracene	17.292	178	3737841	49.950	ng	100
73) Carbazole	17.562	167	3424599	48.588	ng	100
74) Di-n-butylphthalate	18.133	149	3797075	46.773	ng	99
75) Fluoranthene	19.221	202	4521849	48.432	ng	98
77) Benzidine	19.404	184	1817127	93.676	ng	100
78) Pyrene	19.580	202	4732548	46.963	ng	99
80) Butylbenzylphthalate	20.480	149	1682886	44.444	ng	99
81) Benzo(a)anthracene	21.380	228	4823789	49.640	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	545235	14.857	ng	100
83) Chrysene	21.445	228	4624441	50.056	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	2462859	44.643	ng	99
85) Di-n-octyl phthalate	22.439	149	4144598	42.944	ng	100
87) Indeno(1,2,3-cd)pyrene	27.779	276	5555016	49.205	ng	99
88) Benzo(b)fluoranthene	23.450	252	4850380	50.145	ng	99
89) Benzo(k)fluoranthene	23.515	252	4897679	52.250	ng	100
90) Benzo(a)pyrene	24.256	252	4441609	52.256	ng	99
91) Dibenzo(a,h)anthracene	27.832	278	4529739	48.712	ng	100
92) Benzo(g,h,i)perylene	28.832	276	4410499	46.414	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049865.D
Acq On : 09 Apr 2025 13:08
Operator : RC/JU
Sample : Q1744-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

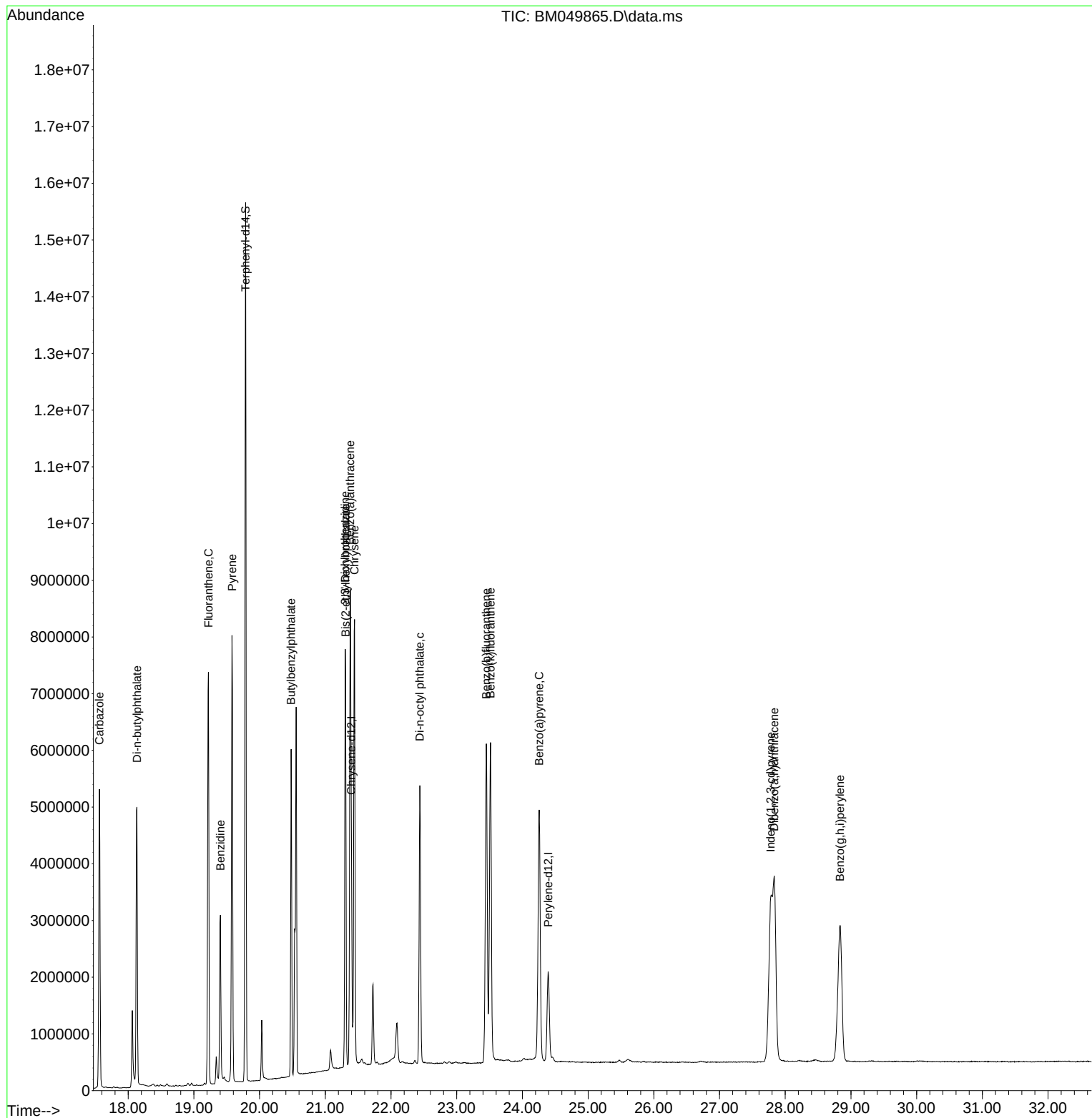
Quant Time: Apr 10 01:41:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049865.D
Acq On : 09 Apr 2025 13:08
Operator : RC/JU
Sample : Q1744-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Quant Time: Apr 10 01:41:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049866.D
 Acq On : 09 Apr 2025 13:47
 Operator : RC/JU
 Sample : Q1744-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-158-SB01MSD

Quant Time: Apr 10 01:42:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	285351	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1005761	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	663787	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1342339	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1401873	20.000	ng	0.00
86) Perylene-d12	24.391	264	1461448	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2136954	127.167	ng	0.00
7) Phenol-d6	6.951	99	2724008	130.287	ng	0.00
23) Nitrobenzene-d5	8.933	82	1557737	86.246	ng	0.00
42) 2,4,6-Tribromophenol	15.909	330	1357374	140.587	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4170498	85.197	ng	0.00
79) Terphenyl-d14	19.786	244	6980310	93.314	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.257	88	306237	44.250	ng	99
3) Pyridine	3.657	79	824020	45.318	ng	100
4) n-Nitrosodimethylamine	3.563	42	324177	46.848	ng	97
6) Aniline	7.104	93	420957	23.497	ng	99
8) 2-Chlorophenol	7.345	128	864396	50.194	ng	98
9) Benzaldehyde	6.916	77	477912	44.543	ng	98
10) Phenol	6.975	94	1066445	52.269	ng	99
11) bis(2-Chloroethyl)ether	7.198	93	776399	48.525	ng	100
12) 1,3-Dichlorobenzene	7.663	146	980458	48.155	ng	99
13) 1,4-Dichlorobenzene	7.810	146	992255	48.434	ng	98
14) 1,2-Dichlorobenzene	8.128	146	950955	49.282	ng	99
15) Benzyl Alcohol	8.016	79	693613	52.683	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.298	45	901093	50.529	ng	99
17) 2-Methylphenol	8.222	107	672939	53.521	ng	99
18) Hexachloroethane	8.857	117	341526	47.917	ng	98
19) n-Nitroso-di-n-propyla...	8.581	70	582254	50.282	ng	99
20) 3+4-Methylphenols	8.551	107	917509	53.525	ng	99
22) Acetophenone	8.598	105	1167291	47.755	ng	# 99
24) Nitrobenzene	8.975	77	835602	48.046	ng	98
25) Isophorone	9.504	82	1576133	52.092	ng	99
26) 2-Nitrophenol	9.686	139	445919	48.376	ng	99
27) 2,4-Dimethylphenol	9.751	122	761170	72.864	ng	98
28) bis(2-Chloroethoxy)met...	9.980	93	996102	49.175	ng	99
29) 2,4-Dichlorophenol	10.222	162	874134	50.340	ng	99
30) 1,2,4-Trichlorobenzene	10.433	180	956323	47.606	ng	100
31) Naphthalene	10.622	128	2397631	46.394	ng	99
32) Benzoic acid	9.886	122	566036	44.477	ng	98
33) 4-Chloroaniline	10.727	127	220350	12.075	ng	99
34) Hexachlorobutadiene	10.910	225	588579	47.367	ng	98
35) Caprolactam	11.510	113	247722	49.739	ng	99
36) 4-Chloro-3-methylphenol	11.863	107	776696	51.063	ng	99
37) 2-Methylnaphthalene	12.233	142	1595016	43.805	ng	99
38) 1-Methylnaphthalene	12.457	142	1678627	47.320	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	1117353	48.115	ng	98
41) Hexachlorocyclopentadiene	12.592	237	1486422	182.669	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	734045	49.674	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049866.D
 Acq On : 09 Apr 2025 13:47
 Operator : RC/JU
 Sample : Q1744-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-158-SB01MSD

Quant Time: Apr 10 01:42:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

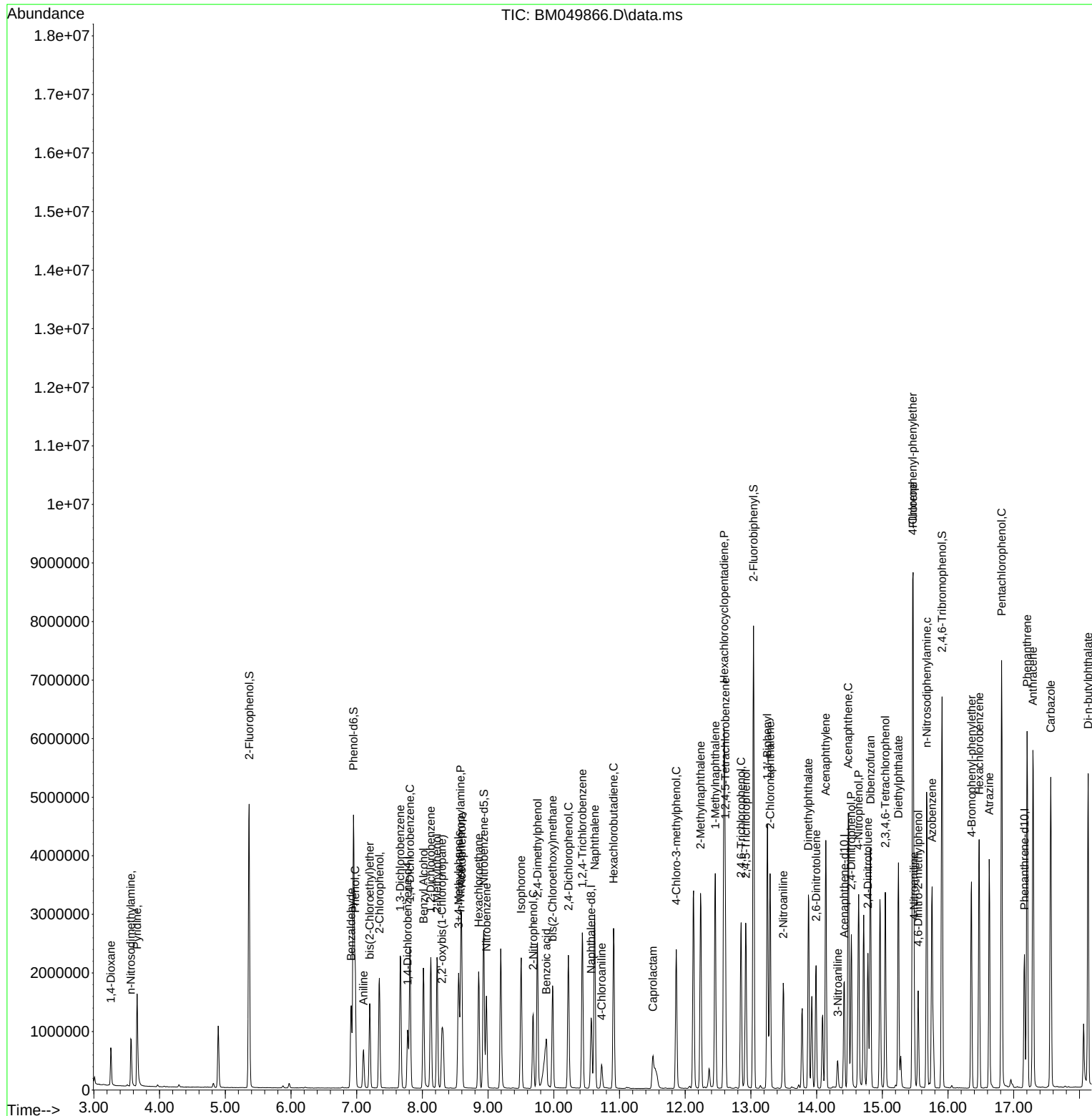
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.921	196	804889	50.122	ng	99
46) 1,1'-Biphenyl	13.251	154	2349677	47.618	ng	100
47) 2-Chloronaphthalene	13.292	162	1871890	48.265	ng	99
48) 2-Nitroaniline	13.492	65	456335	50.860	ng	98
49) Acenaphthylene	14.139	152	2972105	52.609	ng	100
50) Dimethylphthalate	13.874	163	2283140	48.754	ng	99
51) 2,6-Dinitrotoluene	13.992	165	492479	50.195	ng	99
52) Acenaphthene	14.480	154	1724643	47.994	ng	99
53) 3-Nitroaniline	14.321	138	130642	13.777	ng	98
54) 2,4-Dinitrophenol	14.527	184	629408	87.809	ng	98
55) Dibenzofuran	14.821	168	2836442	47.217	ng	98
56) 4-Nitrophenol	14.639	139	934371	110.572	ng	99
57) 2,4-Dinitrotoluene	14.780	165	698694	53.380	ng	98
58) Fluorene	15.468	166	2375933	49.757	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	692400	49.194	ng	99
60) Diethylphthalate	15.245	149	2148314	47.838	ng	99
61) 4-Chlorophenyl-phenyle...	15.462	204	1280962	50.036	ng	99
62) 4-Nitroaniline	15.486	138	455783	46.478	ng	99
63) Azobenzene	15.757	77	2029859	52.794	ng	97
65) 4,6-Dinitro-2-methylph...	15.545	198	406755	48.087	ng	99
66) n-Nitrosodiphenylamine	15.674	169	1993763	49.632	ng	99
67) 4-Bromophenyl-phenylether	16.356	248	758871	48.699	ng	96
68) Hexachlorobenzene	16.474	284	874754	48.940	ng	98
69) Atrazine	16.627	200	737371	70.795	ng	99
70) Pentachlorophenol	16.815	266	1321712	100.440	ng	99
71) Phenanthrene	17.203	178	3676782	49.961	ng	100
72) Anthracene	17.292	178	3760847	51.857	ng	100
73) Carbazole	17.562	167	3446827	50.460	ng	100
74) Di-n-butylphthalate	18.133	149	3801949	48.323	ng	100
75) Fluoranthene	19.221	202	4538028	50.152	ng	99
77) Benzidine	19.403	184	1757189	94.484	ng	99
78) Pyrene	19.580	202	4707504	48.725	ng	99
80) Butylbenzylphthalate	20.480	149	1704963	46.964	ng	100
81) Benzo(a)anthracene	21.380	228	4791802	51.432	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	548354	15.585	ng	99
83) Chrysene	21.444	228	4591192	51.834	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	2464666	46.598	ng	99
85) Di-n-octyl phthalate	22.438	149	4181805	45.193	ng	100
87) Indeno(1,2,3-cd)pyrene	27.779	276	5591757	51.330	ng	99
88) Benzo(b)fluoranthene	23.450	252	4901336	52.512	ng	99
89) Benzo(k)fluoranthene	23.515	252	4863511	53.770	ng	100
90) Benzo(a)pyrene	24.256	252	4421640	53.910	ng	99
91) Dibenzo(a,h)anthracene	27.832	278	4528137	50.463	ng	100
92) Benzo(g,h,i)perylene	28.838	276	4423237	48.240	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049866.D
Acq On : 09 Apr 2025 13:47
Operator : RC/JU
Sample : Q1744-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

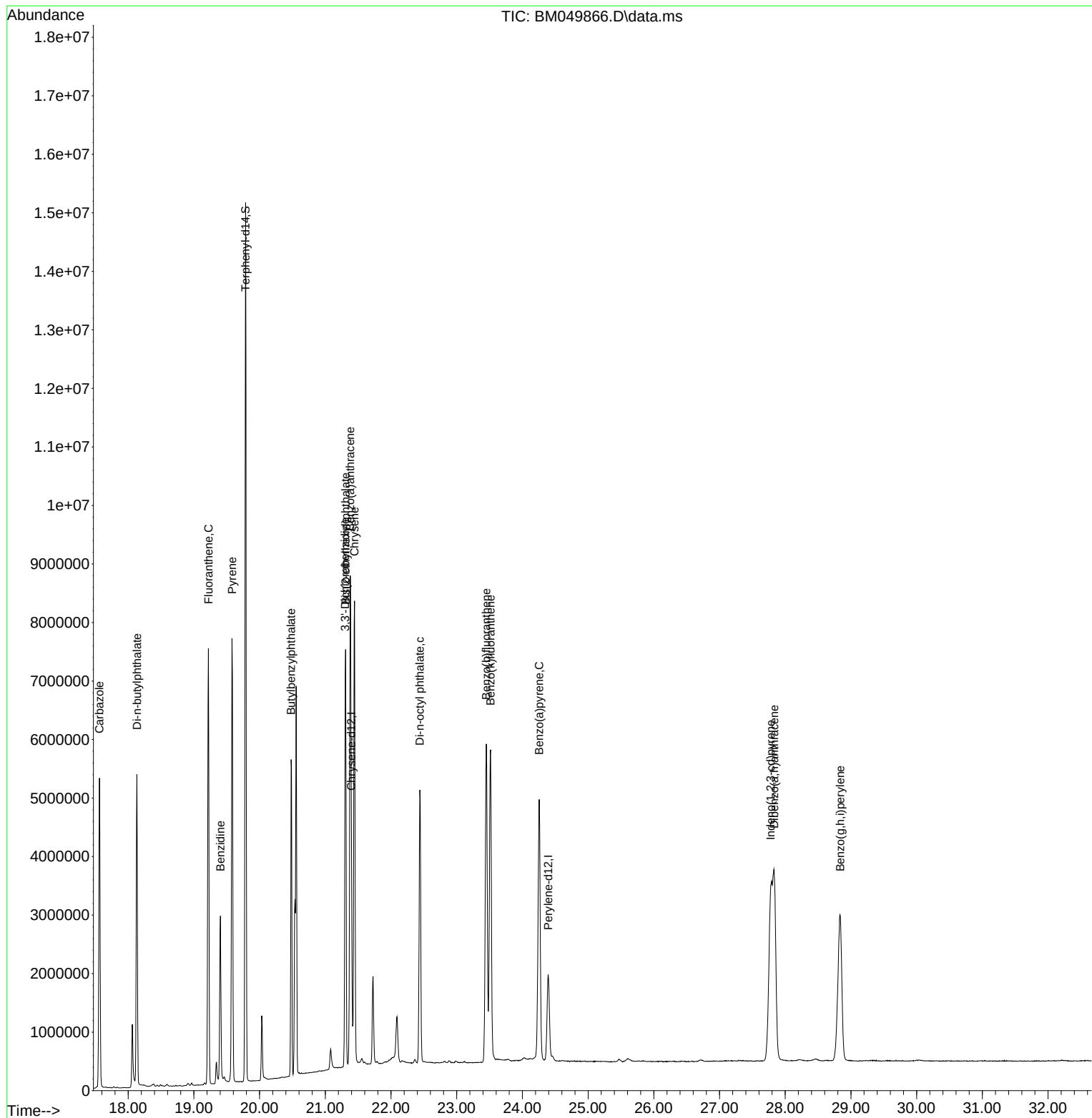
Quant Time: Apr 10 01:42:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049866.D
Acq On : 09 Apr 2025 13:47
Operator : RC/JU
Sample : Q1744-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Quant Time: Apr 10 01:42:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:

BM040825

Instrument

BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM049849.D	Benzaldehyde	anahy	4/9/2025 10:32:06 AM	Jagrut	4/9/2025 4:46:22 PM	Peak Integrated by Software
SSTDICC010	BM049850.D	Benzoic acid	anahy	4/9/2025 10:32:44 AM	Jagrut	4/9/2025 4:46:25 PM	Peak Integrated by Software
SSTDICC060	BM049854.D	Pyridine	anahy	4/9/2025 10:33:20 AM	Jagrut	4/9/2025 4:46:27 PM	Peak Integrated by Software
SSTDICC080	BM049855.D	Pyridine	anahy	4/9/2025 10:34:03 AM	Jagrut	4/9/2025 4:46:30 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

bm040925

Instrument

BNA_m

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:	bm041025	Instrument	BNA_m
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:

bm041625

Instrument

BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM049944.D	Benzoic acid	Rahul	4/17/2025 10:25:47 AM	Jagrut	4/17/2025 12:27:50 PM	Peak Integrated by Software
PB167509BS	BM049947.D	Benzoic acid	Rahul	4/17/2025 10:25:55 AM	Jagrut	4/17/2025 12:27:57 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	BP031225	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024161.D	Benzaldehyde	anahy	3/13/2025 11:10:33 AM	Jagrut	3/13/2025 11:45:04 AM	Peak Integrated by Software
SSTDICC050	BP024165.D	Pyridine	anahy	3/13/2025 11:11:20 AM	Jagrut	3/13/2025 11:45:07 AM	Peak Integrated by Software
SSTDICC060	BP024166.D	Indeno(1,2,3-cd)pyrene	anahy	3/13/2025 11:38:58 AM	Jagrut	3/13/2025 11:45:09 AM	Peak Integrated by Software
SSTDICC060	BP024166.D	Pyridine	anahy	3/13/2025 11:38:58 AM	Jagrut	3/13/2025 11:45:09 AM	Peak Integrated by Software
SSTDICC080	BP024167.D	Pyridine	anahy	3/13/2025 11:39:57 AM	Jagrut	3/13/2025 11:45:11 AM	Peak Integrated by Software
SSTDICV040	BP024168.D	Benzo(g,h,i)perylene	anahy	3/13/2025 11:40:49 AM	Jagrut	3/13/2025 11:45:14 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BP040925

Instrument

BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024228.D	Benzoic acid	anahy	4/10/2025 10:35:25 AM	Jagrut	4/10/2025 3:32:58 PM	Peak Integrated by Software
SSTDCCC040	BP024228.D	Indeno(1,2,3-cd)pyrene	anahy	4/10/2025 10:35:25 AM	Jagrut	4/10/2025 3:32:58 PM	Peak Integrated by Software
SSTDCCC040	BP024243.D	Benzo(g,h,i)perylene	anahy	4/10/2025 10:37:39 AM	Jagrut	4/10/2025 3:33:04 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

bp041025

Instrument

BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1746-06	BP024253.D	Benzoic acid	anahy	4/11/2025 9:37:54 AM	Jagrut	4/11/2025 10:44:22 AM	Peak Integrated by Software

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch ID # BM040825

Review By	anahy	Review On	4/9/2025 10:38:14 AM		
Supervise By	Jagrut	Supervise On	4/9/2025 4:50:06 PM		
SubDirectory	BM040825	HP Acquire Method	BNA_M	HP Processing Method	bm040825
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	BM049847.D	08 Apr 2025 12:55	RC/JU	Ok
2	SSTDICC2.5	BM049848.D	08 Apr 2025 13:35	RC/JU	Ok
3	SSTDICC005	BM049849.D	08 Apr 2025 14:14	RC/JU	Ok,M
4	SSTDICC010	BM049850.D	08 Apr 2025 14:53	RC/JU	Ok,M
5	SSTDICC020	BM049851.D	08 Apr 2025 15:32	RC/JU	Ok
6	SSTDICCC040	BM049852.D	08 Apr 2025 16:12	RC/JU	Ok
7	SSTDICC050	BM049853.D	08 Apr 2025 17:30	RC/JU	Ok
8	SSTDICC060	BM049854.D	08 Apr 2025 19:28	RC/JU	Ok,M
9	SSTDICC080	BM049855.D	08 Apr 2025 20:07	RC/JU	Ok,M
10	SSTDICV040	BM049856.D	08 Apr 2025 20:47	RC/JU	Ok
11	PB167474BL	BM049857.D	08 Apr 2025 21:26	RC/JU	Not Ok

M : Manual Integration

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch ID # BM040925

Review By	anahy	Review On	4/10/2025 10:38:09 AM		
Supervise By	Jagrut	Supervise On	4/10/2025 3:33:56 PM		
SubDirectory	BM040925	HP Acquire Method	BNA_M	HP Processing Method	bm040825
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12658,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049858.D	09 Apr 2025 08:30	RC/JU	Ok
2	SSTDCCC040	BM049859.D	09 Apr 2025 09:09	RC/JU	Ok
3	PB167521BL	BM049860.D	09 Apr 2025 09:48	RC/JU	Ok
4	PB167521BS	BM049861.D	09 Apr 2025 10:27	RC/JU	Ok
5	PB167521BSD	BM049862.D	09 Apr 2025 11:06	RC/JU	Ok
6	Q1740-01	BM049863.D	09 Apr 2025 11:50	RC/JU	Ok
7	Q1744-01	BM049864.D	09 Apr 2025 12:29	RC/JU	Ok
8	Q1744-01MS	BM049865.D	09 Apr 2025 13:08	RC/JU	Ok
9	Q1744-01MSD	BM049866.D	09 Apr 2025 13:47	RC/JU	Ok
10	Q1742-01	BM049867.D	09 Apr 2025 14:26	RC/JU	Ok,M
11	Q1746-03	BM049868.D	09 Apr 2025 15:05	RC/JU	Ok
12	Q1744-03	BM049869.D	09 Apr 2025 15:45	RC/JU	Ok
13	Q1712-01DL	BM049870.D	09 Apr 2025 16:24	RC/JU	Dilution
14	Q1712-01DL2	BM049871.D	09 Apr 2025 17:03	RC/JU	Ok,M
15	Q1743-01	BM049872.D	09 Apr 2025 17:42	RC/JU	Ok,M
16	Q1745-09	BM049873.D	09 Apr 2025 18:21	RC/JU	Ok,M
17	Q1739-01	BM049874.D	09 Apr 2025 19:01	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch ID # BM041025

Review By	anahy	Review On	4/11/2025 10:19:37 AM		
Supervise By	Jagrut	Supervise On	4/11/2025 10:44:07 AM		
SubDirectory	BM041025	HP Acquire Method	BNA_M	HP Processing Method	bm040825
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12658,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049875.D	10 Apr 2025 08:53	RC/JU	Ok
2	SSTDCCC040	BM049876.D	10 Apr 2025 09:32	RC/JU	Ok
3	PB167509BL	BM049877.D	10 Apr 2025 10:11	RC/JU	Ok
4	Q1753-01	BM049878.D	10 Apr 2025 10:54	RC/JU	Ok
5	Q1753-05	BM049879.D	10 Apr 2025 11:34	RC/JU	Ok
6	Q1753-05MS	BM049880.D	10 Apr 2025 12:13	RC/JU	Ok,M
7	Q1753-05MSD	BM049881.D	10 Apr 2025 12:52	RC/JU	Ok,M
8	Q1752-05	BM049882.D	10 Apr 2025 13:31	RC/JU	Ok
9	Q1752-07	BM049883.D	10 Apr 2025 14:10	RC/JU	Ok
10	Q1752-01	BM049884.D	10 Apr 2025 14:49	RC/JU	Ok
11	Q1752-03	BM049885.D	10 Apr 2025 15:28	RC/JU	Ok
12	Q1754-03	BM049886.D	10 Apr 2025 16:07	RC/JU	Ok,M
13	Q1739-02	BM049887.D	10 Apr 2025 16:46	RC/JU	Ok,M
14	Q1754-01	BM049888.D	10 Apr 2025 17:25	RC/JU	Ok,M
15	Q1749-01	BM049889.D	10 Apr 2025 18:04	RC/JU	Ok
16	Q1748-05	BM049890.D	10 Apr 2025 18:44	RC/JU	Ok
17	Q1748-01	BM049891.D	10 Apr 2025 19:23	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch ID # BM041625

Review By	Rahul	Review On	4/17/2025 10:26:53 AM		
Supervise By	Jagrut	Supervise On	4/17/2025 12:28:46 PM		
SubDirectory	BM041625	HP Acquire Method	BNA_M	HP Processing Method	bm040825
STD. NAME		STD REF.#			
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729				
CCC	SP6725				
Internal Standard/PEM	S12659,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049943.D	16 Apr 2025 08:49	RC/JU	Ok
2	SSTDCCC040	BM049944.D	16 Apr 2025 09:28	RC/JU	Ok,M
3	PB167561BL	BM049945.D	16 Apr 2025 10:07	RC/JU	Ok
4	PB167561BS	BM049946.D	16 Apr 2025 10:47	RC/JU	Ok,M
5	PB167509BS	BM049947.D	16 Apr 2025 11:26	RC/JU	Ok,M
6	PB167587TB	BM049948.D	16 Apr 2025 12:05	RC/JU	Ok
7	PB167598BL	BM049949.D	16 Apr 2025 12:44	RC/JU	Ok
8	PB167598BS	BM049950.D	16 Apr 2025 13:24	RC/JU	Ok,M
9	Q1791-13	BM049951.D	16 Apr 2025 14:07	RC/JU	ReRun
10	Q1791-14	BM049952.D	16 Apr 2025 14:46	RC/JU	Ok
11	Q1810-02	BM049953.D	16 Apr 2025 15:26	RC/JU	Ok
12	Q1806-01DL	BM049954.D	16 Apr 2025 16:05	RC/JU	Ok,M
13	Q1788-01DL	BM049955.D	16 Apr 2025 16:44	RC/JU	Ok,M
14	Q1808-01MS	BM049956.D	16 Apr 2025 17:24	RC/JU	Ok,M
15	Q1808-01MSD	BM049957.D	16 Apr 2025 18:03	RC/JU	Ok,M
16	Q1808-03	BM049958.D	16 Apr 2025 18:42	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QCBatch ID # BP031225

Review By	anahy	Review On	3/13/2025 11:41:15 AM
Supervise By	Jagrut	Supervise On	3/17/2025 4:44:19 PM
SubDirectory	BP031225	HP Acquire Method	BNA_P
		HP Processing Method	bp031225
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12653,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024159.D	12 Mar 2025 15:36	RC/JU	Ok
2	SSTDICC2.5	BP024160.D	12 Mar 2025 16:17	RC/JU	Ok
3	SSTDICC005	BP024161.D	12 Mar 2025 16:57	RC/JU	Ok,M
4	SSTDICC010	BP024162.D	12 Mar 2025 17:38	RC/JU	Ok
5	SSTDICC020	BP024163.D	12 Mar 2025 18:19	RC/JU	Ok
6	SSTDICCC040	BP024164.D	12 Mar 2025 19:00	RC/JU	Ok
7	SSTDICC050	BP024165.D	12 Mar 2025 19:41	RC/JU	Ok,M
8	SSTDICC060	BP024166.D	12 Mar 2025 20:21	RC/JU	Ok,M
9	SSTDICC080	BP024167.D	12 Mar 2025 21:02	RC/JU	Ok,M
10	SSTDICV040	BP024168.D	12 Mar 2025 21:43	RC/JU	Ok,M
11	PB167078BL	BP024169.D	12 Mar 2025 22:24	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP040925

Review By	anahy	Review On	4/10/2025 10:38:27 AM
Supervise By	Jagrut	Supervise On	4/10/2025 3:33:16 PM
SubDirectory	BP040925	HP Acquire Method	BNA_P
		HP Processing Method	bp031225
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12658,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024227.D	09 Apr 2025 08:42	RC/JU	Ok
2	SSTDCCC040	BP024228.D	09 Apr 2025 10:08	RC/JU	Ok,M
3	PB167467TB	BP024229.D	09 Apr 2025 10:49	RC/JU	Ok
4	PB167474BS	BP024230.D	09 Apr 2025 11:29	RC/JU	Not Ok
5	Q1730-01MS	BP024231.D	09 Apr 2025 12:15	RC/JU	Ok
6	Q1730-01MSD	BP024232.D	09 Apr 2025 12:56	RC/JU	Ok
7	Q1737-02	BP024233.D	09 Apr 2025 13:37	RC/JU	Ok
8	Q1712-04	BP024234.D	09 Apr 2025 14:18	RC/JU	Ok
9	Q1712-04MS	BP024235.D	09 Apr 2025 14:59	RC/JU	Ok
10	Q1712-04MSD	BP024236.D	09 Apr 2025 15:39	RC/JU	Ok
11	Q1712-08	BP024237.D	09 Apr 2025 16:20	RC/JU	Ok
12	Q1732-04	BP024238.D	09 Apr 2025 17:01	RC/JU	Ok
13	Q1746-07	BP024239.D	09 Apr 2025 17:41	RC/JU	Ok
14	Q1746-01	BP024240.D	09 Apr 2025 18:22	RC/JU	Ok
15	Q1747-01	BP024241.D	09 Apr 2025 19:03	RC/JU	Ok
16	Q1745-01	BP024242.D	09 Apr 2025 19:43	RC/JU	Ok,M
17	SSTDCCC040	BP024243.D	09 Apr 2025 20:24	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP041025

Review By	anahy	Review On	4/11/2025 10:19:20 AM		
Supervise By	Jagrut	Supervise On	4/11/2025 10:44:46 AM		
SubDirectory	BP041025	HP Acquire Method	BNA_P	HP Processing Method	bp031225
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12658,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024244.D	10 Apr 2025 09:05	RC/JU	Ok
2	SSTDCCC040	BP024245.D	10 Apr 2025 09:46	RC/JU	Ok
3	PB167518BL	BP024246.D	10 Apr 2025 10:27	RC/JU	Ok
4	PB167537TB	BP024247.D	10 Apr 2025 11:08	RC/JU	Ok
5	Q1745-04	BP024248.D	10 Apr 2025 11:54	RC/JU	Ok
6	Q1745-12	BP024249.D	10 Apr 2025 12:35	RC/JU	Ok
7	Q1740-04	BP024250.D	10 Apr 2025 13:15	RC/JU	Ok
8	Q1743-04	BP024251.D	10 Apr 2025 13:56	RC/JU	Ok
9	Q1746-05	BP024252.D	10 Apr 2025 14:36	RC/JU	Ok
10	Q1746-06	BP024253.D	10 Apr 2025 15:17	RC/JU	Ok,M
11	Q1748-04	BP024254.D	10 Apr 2025 17:08	RC/JU	Ok
12	Q1748-08	BP024255.D	10 Apr 2025 17:49	RC/JU	Ok
13	Q1754-02	BP024256.D	10 Apr 2025 18:30	RC/JU	Ok
14	Q1754-04	BP024257.D	10 Apr 2025 19:10	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM040825

Review By	anahy	Review On	4/9/2025 10:38:14 AM		
Supervise By	Jagrut	Supervise On	4/9/2025 4:50:06 PM		
SubDirectory	BM040825	HP Acquire Method	BNA_M	HP Processing Method	bm040825
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#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049847.D	08 Apr 2025 12:55		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM049848.D	08 Apr 2025 13:35		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM049849.D	08 Apr 2025 14:14	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM049850.D	08 Apr 2025 14:53	Compound #32,54 kept on LR	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM049851.D	08 Apr 2025 15:32	This calibration is fail for Com#77	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BM049852.D	08 Apr 2025 16:12	This calibration is good for 8270E DOD except Com#77 and good for 625.1 method	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM049853.D	08 Apr 2025 17:30		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BM049854.D	08 Apr 2025 19:28	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM049855.D	08 Apr 2025 20:07	Compound #69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBM040825	BM049856.D	08 Apr 2025 20:47		RC/JU	Ok
11	PB167474BL	PB167474BL	BM049857.D	08 Apr 2025 21:26	Use for Q1730 only	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM040925

Review By	anahy	Review On	4/10/2025 10:38:09 AM		
Supervise By	Jagrut	Supervise On	4/10/2025 3:33:56 PM		
SubDirectory	BM040925	HP Acquire Method	BNA_M	HP Processing Method	bm040825
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12658,10ul/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	BM049858.D	09 Apr 2025 08:30		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM049859.D	09 Apr 2025 09:09		RC/JU	Ok
3	PB167521BL	PB167521BL	BM049860.D	09 Apr 2025 09:48		RC/JU	Ok
4	PB167521BS	PB167521BS	BM049861.D	09 Apr 2025 10:27		RC/JU	Ok
5	PB167521BSD	PB167521BSD	BM049862.D	09 Apr 2025 11:06		RC/JU	Ok
6	Q1740-01	TP-20	BM049863.D	09 Apr 2025 11:50		RC/JU	Ok
7	Q1744-01	B-158-SB01	BM049864.D	09 Apr 2025 12:29		RC/JU	Ok
8	Q1744-01MS	B-158-SB01MS	BM049865.D	09 Apr 2025 13:08		RC/JU	Ok
9	Q1744-01MSD	B-158-SB01MSD	BM049866.D	09 Apr 2025 13:47		RC/JU	Ok
10	Q1742-01	TR-06-040725	BM049867.D	09 Apr 2025 14:26		RC/JU	Ok,M
11	Q1746-03	B-149-SB02	BM049868.D	09 Apr 2025 15:05		RC/JU	Ok
12	Q1744-03	B-158-SB02	BM049869.D	09 Apr 2025 15:45		RC/JU	Ok
13	Q1712-01DL	Z-05ADL	BM049870.D	09 Apr 2025 16:24	Need 5X further Dilution	RC/JU	Dilution
14	Q1712-01DL2	Z-05ADL2	BM049871.D	09 Apr 2025 17:03		RC/JU	Ok,M
15	Q1743-01	TP-16	BM049872.D	09 Apr 2025 17:42		RC/JU	Ok,M
16	Q1745-09	IB-6.5-WC	BM049873.D	09 Apr 2025 18:21		RC/JU	Ok,M
17	Q1739-01	WC-LIQUID-20250404	BM049874.D	09 Apr 2025 19:01	Surrogate Fail	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM041025

Review By	anahy	Review On	4/11/2025 10:19:37 AM		
Supervise By	Jagrut	Supervise On	4/11/2025 10:44:07 AM		
SubDirectory	BM041025	HP Acquire Method	BNA_M	HP Processing Method	bm040825
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12658,10ul/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	BM049875.D	10 Apr 2025 08:53		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM049876.D	10 Apr 2025 09:32		RC/JU	Ok
3	PB167509BL	PB167509BL	BM049877.D	10 Apr 2025 10:11		RC/JU	Ok
4	Q1753-01	WC-1	BM049878.D	10 Apr 2025 10:54		RC/JU	Ok
5	Q1753-05	WC-2	BM049879.D	10 Apr 2025 11:34		RC/JU	Ok
6	Q1753-05MS	WC-2MS	BM049880.D	10 Apr 2025 12:13		RC/JU	Ok,M
7	Q1753-05MSD	WC-2MSD	BM049881.D	10 Apr 2025 12:52		RC/JU	Ok,M
8	Q1752-05	TP-4	BM049882.D	10 Apr 2025 13:31		RC/JU	Ok
9	Q1752-07	TP-3	BM049883.D	10 Apr 2025 14:10		RC/JU	Ok
10	Q1752-01	TP-1	BM049884.D	10 Apr 2025 14:49		RC/JU	Ok
11	Q1752-03	TP-2	BM049885.D	10 Apr 2025 15:28		RC/JU	Ok
12	Q1754-03	TP-1-CONCRETE	BM049886.D	10 Apr 2025 16:07		RC/JU	Ok,M
13	Q1739-02	WC-LIQUID-20250404	BM049887.D	10 Apr 2025 16:46		RC/JU	Ok,M
14	Q1754-01	TP-1	BM049888.D	10 Apr 2025 17:25		RC/JU	Ok,M
15	Q1749-01	TP-14	BM049889.D	10 Apr 2025 18:04		RC/JU	Ok
16	Q1748-05	IB-2A-WC	BM049890.D	10 Apr 2025 18:44		RC/JU	Ok
17	Q1748-01	IB-1.5-WC	BM049891.D	10 Apr 2025 19:23		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM041625

Review By	Rahul	Review On	4/17/2025 10:26:53 AM		
Supervise By	Jagrut	Supervise On	4/17/2025 12:28:46 PM		
SubDirectory	BM041625	HP Acquire Method	BNA_M	HP Processing Method	bm040825
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729				
CCC	SP6725				
Internal Standard/PEM	S12659,10ul/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	BM049943.D	16 Apr 2025 08:49		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM049944.D	16 Apr 2025 09:28		RC/JU	Ok,M
3	PB167561BL	PB167561BL	BM049945.D	16 Apr 2025 10:07		RC/JU	Ok
4	PB167561BS	PB167561BS	BM049946.D	16 Apr 2025 10:47		RC/JU	Ok,M
5	PB167509BS	PB167509BS	BM049947.D	16 Apr 2025 11:26		RC/JU	Ok,M
6	PB167587TB	PB167587TB	BM049948.D	16 Apr 2025 12:05		RC/JU	Ok
7	PB167598BL	PB167598BL	BM049949.D	16 Apr 2025 12:44		RC/JU	Ok
8	PB167598BS	PB167598BS	BM049950.D	16 Apr 2025 13:24		RC/JU	Ok,M
9	Q1791-13	279312	BM049951.D	16 Apr 2025 14:07	Internal Standards and surrogates Failed	RC/JU	ReRun
10	Q1791-14	VB16164	BM049952.D	16 Apr 2025 14:46		RC/JU	Ok
11	Q1810-02	MOO-25-0118	BM049953.D	16 Apr 2025 15:26		RC/JU	Ok
12	Q1806-01DL	OR-03-041425DL	BM049954.D	16 Apr 2025 16:05		RC/JU	Ok,M
13	Q1788-01DL	WC-1DL	BM049955.D	16 Apr 2025 16:44		RC/JU	Ok,M
14	Q1808-01MS	OILY-SOIL-PILEMS	BM049956.D	16 Apr 2025 17:24		RC/JU	Ok,M
15	Q1808-01MSD	OILY-SOIL-PILEMSD	BM049957.D	16 Apr 2025 18:03		RC/JU	Ok,M
16	Q1808-03	LAW-25-0060	BM049958.D	16 Apr 2025 18:42		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP031225

Review By	anahy	Review On	3/13/2025 11:41:15 AM
Supervise By	Jagrut	Supervise On	3/17/2025 4:44:19 PM
SubDirectory	BP031225	HP Acquire Method	BNA_P
		HP Processing Method	bp031225

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/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	BP024159.D	12 Mar 2025 15:36		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024160.D	12 Mar 2025 16:17		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024161.D	12 Mar 2025 16:57	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024162.D	12 Mar 2025 17:38		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BP024163.D	12 Mar 2025 18:19		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BP024164.D	12 Mar 2025 19:00	This calibration is good for 8270E and 8270E DOD methods	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024165.D	12 Mar 2025 19:41		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP024166.D	12 Mar 2025 20:21	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP024167.D	12 Mar 2025 21:02	Compound #32,54,69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP031225	BP024168.D	12 Mar 2025 21:43		RC/JU	Ok,M
11	PB167078BL	PB167078BL	BP024169.D	12 Mar 2025 22:24		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP040925

Review By	anahy	Review On	4/10/2025 10:38:27 AM		
Supervise By	Jagrut	Supervise On	4/10/2025 3:33:16 PM		
SubDirectory	BP040925	HP Acquire Method	BNA_P	HP Processing Method	bp031225
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12658,10ul/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	BP024227.D	09 Apr 2025 08:42		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024228.D	09 Apr 2025 10:08		RC/JU	Ok,M
3	PB167467TB	PB167467TB	BP024229.D	09 Apr 2025 10:49		RC/JU	Ok
4	PB167474BS	PB167474BS	BP024230.D	09 Apr 2025 11:29	not used.	RC/JU	Not Ok
5	Q1730-01MS	OU4-VSL-15-040325M	BP024231.D	09 Apr 2025 12:15		RC/JU	Ok
6	Q1730-01MSD	OU4-VSL-15-040325M	BP024232.D	09 Apr 2025 12:56		RC/JU	Ok
7	Q1737-02	RT3069	BP024233.D	09 Apr 2025 13:37		RC/JU	Ok
8	Q1712-04	Z-05A	BP024234.D	09 Apr 2025 14:18		RC/JU	Ok
9	Q1712-04MS	Z-05AMS	BP024235.D	09 Apr 2025 14:59		RC/JU	Ok
10	Q1712-04MSD	Z-05AMSD	BP024236.D	09 Apr 2025 15:39		RC/JU	Ok
11	Q1712-08	TT-7	BP024237.D	09 Apr 2025 16:20		RC/JU	Ok
12	Q1732-04	TT-8	BP024238.D	09 Apr 2025 17:01		RC/JU	Ok
13	Q1746-07	EB-2025-4-7	BP024239.D	09 Apr 2025 17:41		RC/JU	Ok
14	Q1746-01	B-149-SB01	BP024240.D	09 Apr 2025 18:22		RC/JU	Ok
15	Q1747-01	ARS20-0008	BP024241.D	09 Apr 2025 19:03		RC/JU	Ok
16	Q1745-01	IB-6A-WC	BP024242.D	09 Apr 2025 19:43		RC/JU	Ok,M
17	SSTDCCC040	SSTDCCC040EC	BP024243.D	09 Apr 2025 20:24		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP041025

Review By	anahy	Review On	4/11/2025 10:19:20 AM		
Supervise By	Jagrut	Supervise On	4/11/2025 10:44:46 AM		
SubDirectory	BP041025	HP Acquire Method	BNA_P	HP Processing Method	bp031225
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12658,10ul/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	BP024244.D	10 Apr 2025 09:05		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024245.D	10 Apr 2025 09:46		RC/JU	Ok
3	PB167518BL	PB167518BL	BP024246.D	10 Apr 2025 10:27		RC/JU	Ok
4	PB167537TB	PB167537TB	BP024247.D	10 Apr 2025 11:08		RC/JU	Ok
5	Q1745-04	IB-6A-WC	BP024248.D	10 Apr 2025 11:54		RC/JU	Ok
6	Q1745-12	IB-6.5-WC	BP024249.D	10 Apr 2025 12:35		RC/JU	Ok
7	Q1740-04	TP-20	BP024250.D	10 Apr 2025 13:15		RC/JU	Ok
8	Q1743-04	TP-16	BP024251.D	10 Apr 2025 13:56		RC/JU	Ok
9	Q1746-05	B-158-GW01	BP024252.D	10 Apr 2025 14:36		RC/JU	Ok
10	Q1746-06	B-149-GW01	BP024253.D	10 Apr 2025 15:17		RC/JU	Ok,M
11	Q1748-04	IB-1.5-WC	BP024254.D	10 Apr 2025 17:08		RC/JU	Ok
12	Q1748-08	IB-2A-WC	BP024255.D	10 Apr 2025 17:49		RC/JU	Ok
13	Q1754-02	TP-1	BP024256.D	10 Apr 2025 18:30		RC/JU	Ok
14	Q1754-04	TP-1-CONCRETE	BP024257.D	10 Apr 2025 19:10		RC/JU	Ok

M : Manual Integration

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	N/A	Extraction Start Date :	04/08/2025
Matrix :	Solid	Extraction Start Time :	08:59
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
Extraction Method:	☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		
Extraction End Date :	04/08/2025		
Extraction End Time :	12:00		
Concentration By:	EH		
Supervisor By :	rajesh		

Standard 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.

KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

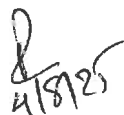
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/08/25	RJ (Lab. 2.05)	RC/SVOC
12:05	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/08/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167509BL	SBLK509	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			U3-1
PB167509BS	SLCS509	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q1740-01	TP-20	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		3
Q1742-01	TR-06-040725	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		4
Q1743-01	TP-16	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	D		5
Q1744-01	B-158-SB01	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		6
Q1744-01MS	B-158-SB01MS	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		U6-1
Q1744-01MS D	B-158-SB01MSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		2
Q1744-03	B-158-SB02	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		3
Q1745-01	IB-6A-WC	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	D		4
Q1745-09	IB-6.5-WC	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	D		5
Q1746-01	B-149-SB01	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		6
Q1746-03	B-149-SB02	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	F		U2-1
Q1747-01	ARS20-0008	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		2

* Extracts relinquished on the same date as received.



167509
8:59

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1742

WorkList ID : 188790

Department : Extraction

Date : 04-08-2025 08:11:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1740-01	TP-20	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L21	04/04/2025	8270E
Q1742-01	TR-06-040725	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05		04/04/2025	8270E
Q1743-01	TP-16	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L33	04/07/2025	8270E
Q1744-01	B-158-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	04/05/2025	8270E
Q1744-03	B-158-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	04/05/2025	8270E
Q1745-01	IB-6A-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/07/2025	8270E
Q1745-09	IB-6.5-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/07/2025	8270E
Q1746-01	B-149-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	04/05/2025	8270E
Q1746-03	B-149-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	04/06/2025	8270E
Q1747-01	ARS20-0008	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/07/2025	8270E

Date/Time 04/08/25 8:55

Raw Sample Received by: RJ (Est 2025)

Raw Sample Relinquished by: CP 5m

Date/Time 04/08/25 9:15

Raw Sample Received by: CP 8m

Raw Sample Relinquished by: RJ (Est 2025)

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Welgh By: N/A **Extraction By:** RJ

Balance check: N/A **Filter By:** RJ

Balance ID: N/A **pH Meter ID:** N/A

pH Strip Lot#: E3880 **Hood ID:** 4,6,7

Extraction Method: ☒ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Extraction Start Date : 04/08/2025

Extraction Start Time : 11:55

Extraction End Date : 04/08/2025

Extraction End Time : 16:45

Concentration By: EH

Supervisor By : rajesh

Standard 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
Methylene Chloride	N/A	E3926
Baked Na2SO4	N/A	EP2599
10N NaoH	N/A	EP2569
H2SO4 1:1	N/A	EP2865
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:

1.5 ML Vial lot# 2210673. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID: Water bath -01 **Envap ID:** NEVAP-02

KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/08/25	RP (Ext. Lab)	AC/SVOC
16:50	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 04/08/2025

Sample ID	Client Sample ID	Test	g / <u>ml</u>	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167521BL	SBLK521	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			SEP-08
PB167521BS	SLCS521	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			9
PB167521BS D	SLCSD521	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			10
Q1739-01	WC-LIQUID-20250404	SVOC-TCL BNA -20	970	6	ritesh	rajesh	10	I	Oily	11
Q1746-05	B-158-GW01	SVOC-TCL BNA -20	980	6	ritesh	rajesh	1	G		12
Q1746-06	B-149-GW01	SVOC-TCL BNA -20	970	6	ritesh	rajesh	1	G		13
Q1746-07	EB-2025-4-7	SVOC-TCL BNA -20	970	6	ritesh	rajesh	1	G		14

* Extracts relinquished on the same date as received.

P
4/8/25

16752.1
12-00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1741

WorkList ID : 188807

Department : Extraction

Date : 04-08-2025 10:05:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1739-01	WC-LIQUID-20250404	Water	SVOC-TCL BNA -20	Cool 4 deg C	PARS02	L31	04/04/2025	8270E
Q1739-01	WC-LIQUID-20250404	Water	TPH GC	Cool 4 deg C	PARS02	L31	04/04/2025	8015D
Q1741-01	RMW-02B-66-040425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L33	04/04/2025	8270-Modified
Q1741-02	RMW-02B-74-040425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L33	04/04/2025	8270-Modified
Q1741-03	FB01-040425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L33	04/04/2025	8270-Modified
Q1746-05	B-158-GW01	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	04/05/2025	8270E
Q1746-06	B-149-GW01	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	04/06/2025	8270E
Q1746-07	EB-2025-4-7	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	04/07/2025	8270E

Date/Time 04/08/25 11:55
Raw Sample Received by: RT (Get Las)
Raw Sample Relinquished by: CP SM

Date/Time 04/08/25 12:20
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RT (Get Las)

LAB CHRONICLE

OrderID:	Q1746	OrderDate:	4/7/2025 12:00:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1746-01	B-149-SB01	SOIL	SVOC-TCL BNA -20	8270E	04/05/25	04/08/25	04/09/25	04/07/25
Q1746-02	B-149-SB01	TCLP	TCLP BNA	8270E	04/05/25	04/09/25	04/11/25	04/07/25
Q1746-03	B-149-SB02	SOIL	SVOC-TCL BNA -20	8270E	04/06/25	04/08/25	04/09/25	04/07/25
Q1746-04	B-149-SB02	TCLP	TCLP BNA	8270E	04/06/25	04/09/25	04/11/25	04/07/25
Q1746-05	B-158-GW01	Water	SVOC-TCL BNA -20	8270E	04/05/25	04/08/25	04/10/25	04/07/25
Q1746-06	B-149-GW01	Water	SVOC-TCL BNA -20	8270E	04/06/25	04/08/25	04/10/25	04/07/25
Q1746-07	EB-2025-4-7	Water	SVOC-TCL BNA -20	8270E	04/07/25	04/08/25	04/09/25	04/07/25