

Hit Summary Sheet SW-846

SDG No.: Q2934
Client: Portal Partners Tri-Venture

Sample ID	Client ID		Parameter		Concentration	C	MDL		RDL	Units
Client ID :	ENV-SW01									
Q2934-01	ENV-SW01	WATER	Bis(2-ethylhexyl)phthalate		2.100	J	1.6		5	ug/L
			Total Svoc :				2.10			
Q2934-01	ENV-SW01	WATER	Butane, 2-methoxy-2-methyl-	*	82.900	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	n-Hexadecanoic acid	*	12.300	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	Octadecanoic acid	*	2.400	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	unknown2.984	*	3.100	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	unknown3.078	*	3.700	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	1-Hexacosene	*	4.600	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.500	AB	0		0	ug/L
Q2934-01	ENV-SW01	WATER	Benzophenone	*	7.400	J	0		0	ug/L
			Total Tics :				123.90			
			Total Concentration:				126.00			
Client ID :	ENV-SW02									
Q2934-02	ENV-SW02	WATER	1,1,3-Trimethoxypropane	*	4.100	J	0		0	ug/L
Q2934-02	ENV-SW02	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.700	AB	0		0	ug/L
Q2934-02	ENV-SW02	WATER	Benzophenone	*	7.700	J	0		0	ug/L
Q2934-02	ENV-SW02	WATER	Butane, 2-methoxy-2-methyl-	*	81.000	J	0		0	ug/L
Q2934-02	ENV-SW02	WATER	n-Hexadecanoic acid	*	14.100	J	0		0	ug/L
Q2934-02	ENV-SW02	WATER	Octadecanoic acid	*	5.300	J	0		0	ug/L
Q2934-02	ENV-SW02	WATER	Pentadecafluorooctanoic acid, oct:	*	4.900	J	0		0	ug/L
			Total Tics :				125.80			
			Total Concentration:				125.80			
Client ID :	ENV-SW03									
Q2934-03	ENV-SW03	WATER	2-Butene, 1-bromo-3-methyl-	*	2.800	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.300	AB	0		0	ug/L
Q2934-03	ENV-SW03	WATER	Benzophenone	*	8.300	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	Butane, 2-methoxy-2-methyl-	*	75.200	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	Ethanol, 2-(tetradecyloxy)-	*	5.800	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	n-Hexadecanoic acid	*	16.100	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	Octadecanoic acid	*	5.300	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	unknown3.072	*	3.400	J	0		0	ug/L
			Total Tics :				125.20			
			Total Concentration:				125.20			
Client ID :	ENV-SW04									
Q2934-04	ENV-SW04	WATER	2-Arachidonoylglycerol	*	6.600	J	0		0	ug/L
Q2934-04	ENV-SW04	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.400	AB	0		0	ug/L

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SDG No.: Q2934
Client: Portal Partners Tri-Venture

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Q2934-04	ENV-SW04	WATER	3-Buten-2-one, 3-methyl-	*	4.100	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	9,12,15-Octadecatrienoic acid, (Z,	*	7.000	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Benzophenone	*	17.000	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Butane, 2-methoxy-2-methyl-	*	65.700	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Cyclotetracosane	*	16.900	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Heneicosane, 11-decyl-	*	5.200	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Heptadecane, 9-octyl-	*	3.900	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Myristyl myristate	*	17.700	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Neophytadiene	*	9.300	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	n-Hexadecanoic acid	*	30.400	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Octadecane	*	3.900	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Octadecanoic acid	*	8.800	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Phytol	*	4.600	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Squalene	*	4.500	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Tetracosane	*	4.700	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Tetradecanoic acid, hexadecyl est	*	15.200	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	unknown3.078	*	4.800	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	unknown4.249	*	4.400	J 0	0	ug/L
Total Tics :					242.10			
Total Concentration:					242.10			



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	08/21/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/21/25	
Client Sample ID:	ENV-SW01		SDG No.:	Q2934	
Lab Sample ID:	Q2934-01		Matrix:	Water	
Analytical Method:	8270E		% 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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025553.D	1	08/22/25 10:34	08/22/25 17:39	PB169362

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	UQ	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:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025553.D	1	08/22/25 10:34	08/22/25 17:39	PB169362

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	UQ	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	UQ	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	2.10	J	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:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025553.D	1	08/22/25 10:34	08/22/25 17:39	PB169362

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	84.9		15 (23) - 110 (138)	57%	SPK: 150
13127-88-3	Phenol-d6	65.0		15 (10) - 110 (134)	43%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.9		30 (67) - 130 (132)	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.1		30 (52) - 130 (132)	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		15 (44) - 110 (137)	102%	SPK: 150
1718-51-0	Terphenyl-d14	80.8		30 (42) - 130 (152)	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	164000	7.778			
1146-65-2	Naphthalene-d8	640000	10.542			
15067-26-2	Acenaphthene-d10	400000	14.395			
1517-22-2	Phenanthrene-d10	848000	17.201			
1719-03-5	Chrysene-d12	933000	21.63			
1520-96-3	Perylene-d12	1080000	25			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown2.984	3.10	J		2.98	ug/L
000994-05-8	Butane, 2-methoxy-2-methyl-	82.9	J		3.03	ug/L
	unknown3.078	3.70	J		3.08	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.50	AB		4.94	ug/L
000119-61-9	Benzophenone	7.40	J		15.8	ug/L
000057-10-3	n-Hexadecanoic acid	12.3	J		18.1	ug/L
000057-11-4	Octadecanoic acid	2.40	J		19.5	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025553.D	1	08/22/25 10:34	08/22/25 17:39	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
018835-33-1	1-Hexacosene	4.60	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:	08/21/25		
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	08/21/25		
Client Sample ID:	ENV-SW02			SDG No.:	Q2934		
Lab Sample ID:	Q2934-02			Matrix:	Water		
Analytical Method:	8270E			% Solid:	0		
Sample Wt/Vol:	990	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 :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025554.D	1	08/22/25 10:34	08/22/25 18:20	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.1	ug/L
108-95-2	Phenol	0.92	U	0.92	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.82	U	0.82	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	0.75	U	0.75	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.66	U	0.66	5.10	ug/L
98-95-3	Nitrobenzene	0.77	U	0.77	5.10	ug/L
78-59-1	Isophorone	0.76	U	0.76	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	0.85	UQ	0.85	5.10	ug/L
87-68-3	Hexachlorobutadiene	0.55	U	0.55	5.10	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.1	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	U	3.70	10.1	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:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025554.D	1	08/22/25 10:34	08/22/25 18:20	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.76	U	0.76	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	0.93	U	0.93	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	6.00	U	6.00	10.1	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.1	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	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	0.59	U	0.59	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.10	ug/L
118-74-1	Hexachlorobenzene	0.53	U	0.53	5.10	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.10	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.1	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	0.83	U	0.83	5.10	ug/L
129-00-0	Pyrene	0.51	U	0.51	5.10	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	0.94	UQ	0.94	10.1	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.10	ug/L
218-01-9	Chrysene	0.44	U	0.44	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	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.10	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	08/21/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/21/25	
Client Sample ID:	ENV-SW02		SDG No.:	Q2934	
Lab Sample ID:	Q2934-02		Matrix:	Water	
Analytical Method:	8270E		% Solid:	0	
Sample Wt/Vol:	990	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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025554.D	1	08/22/25 10:34	08/22/25 18:20	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	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	93.7		15 (23) - 110 (138)	62%	SPK: 150
13127-88-3	Phenol-d6	73.6		15 (10) - 110 (134)	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.0		30 (67) - 130 (132)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.4		30 (52) - 130 (132)	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	157		15 (44) - 110 (137)	105%	SPK: 150
1718-51-0	Terphenyl-d14	82.2		30 (42) - 130 (152)	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	160000	7.778			
1146-65-2	Naphthalene-d8	629000	10.542			
15067-26-2	Acenaphthene-d10	402000	14.378			
1517-22-2	Phenanthrene-d10	847000	17.183			
1719-03-5	Chrysene-d12	934000	21.618			
1520-96-3	Perylene-d12	1100000	24.977			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	81.0	J		3.03	ug/L
014315-97-0	1,1,3-Trimethoxypropane	4.10	J		3.07	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.70	AB		4.94	ug/L
000119-61-9	Benzophenone	7.70	J		15.8	ug/L
000057-10-3	n-Hexadecanoic acid	14.1	J		18.1	ug/L
000057-11-4	Octadecanoic acid	5.30	J		19.5	ug/L
1000406-04-8	Pentadecafluorooctanoic acid, octa	4.90	J		21.3	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025554.D	1	08/22/25 10:34	08/22/25 18:20	PB169362

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:	08/21/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/21/25	
Client Sample ID:	ENV-SW03		SDG No.:	Q2934	
Lab Sample ID:	Q2934-03		Matrix:	Water	
Analytical Method:	8270E		% 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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025555.D	1	08/22/25 10:34	08/22/25 19:02	PB169362

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	UQ	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:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025555.D	1	08/22/25 10:34	08/22/25 19:02	PB169362

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	UQ	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	UQ	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:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025555.D	1	08/22/25 10:34	08/22/25 19:02	PB169362

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	89.6		15 (23) - 110 (138)	60%	SPK: 150
13127-88-3	Phenol-d6	72.4		15 (10) - 110 (134)	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.1		30 (67) - 130 (132)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.9		30 (52) - 130 (132)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		15 (44) - 110 (137)	101%	SPK: 150
1718-51-0	Terphenyl-d14	85.7		30 (42) - 130 (152)	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	171000	7.778			
1146-65-2	Naphthalene-d8	720000	10.543			
15067-26-2	Acenaphthene-d10	488000	14.389			
1517-22-2	Phenanthrene-d10	1040000	17.189			
1719-03-5	Chrysene-d12	1090000	21.63			
1520-96-3	Perylene-d12	1180000	24.989			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	75.2	J		3.03	ug/L
	unknown3.072	3.40	J		3.07	ug/L
000870-63-3	2-Butene, 1-bromo-3-methyl-	2.80	J		4.25	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.30	AB		4.94	ug/L
000119-61-9	Benzophenone	8.30	J		15.8	ug/L
000057-10-3	n-Hexadecanoic acid	16.1	J		18.1	ug/L
000057-11-4	Octadecanoic acid	5.30	J		19.5	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025555.D	1	08/22/25 10:34	08/22/25 19:02	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
002136-70-1	Ethanol, 2-(tetradecyloxy)-	5.80	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:	08/21/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	08/21/25	
Client Sample ID:	ENV-SW04		SDG No.:	Q2934	
Lab Sample ID:	Q2934-04		Matrix:	Water	
Analytical Method:	8270E		% 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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025556.D	1	08/22/25 10:34	08/22/25 19:43	PB169362

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	UQ	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:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025556.D	1	08/22/25 10:34	08/22/25 19:43	PB169362

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	UQ	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	UQ	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:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025556.D	1	08/22/25 10:34	08/22/25 19:43	PB169362

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	83.0		15 (23) - 110 (138)	55%	SPK: 150
13127-88-3	Phenol-d6	72.1		15 (10) - 110 (134)	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.8		30 (67) - 130 (132)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.6		30 (52) - 130 (132)	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		15 (44) - 110 (137)	89%	SPK: 150
1718-51-0	Terphenyl-d14	75.1		30 (42) - 130 (152)	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	194000	7.778			
1146-65-2	Naphthalene-d8	812000	10.548			
15067-26-2	Acenaphthene-d10	530000	14.389			
1517-22-2	Phenanthrene-d10	1100000	17.189			
1719-03-5	Chrysene-d12	1090000	21.624			
1520-96-3	Perylene-d12	1210000	24.983			
TENTATIVE IDENTIFIED COMPOUNDS						
000814-78-8	3-Buten-2-one, 3-methyl-	4.10	J		2.98	ug/L
000994-05-8	Butane, 2-methoxy-2-methyl-	65.7	J		3.03	ug/L
	unknown3.078	4.80	J		3.08	ug/L
	unknown4.249	4.40	J		4.25	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.40	AB		4.94	ug/L
000119-61-9	Benzophenone	17.0	J		15.8	ug/L
000504-96-1	Neophytadiene	9.30	J		17.3	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025556.D	1	08/22/25 10:34	08/22/25 19:43	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000057-10-3	n-Hexadecanoic acid	30.4	J		18.1	ug/L
053847-30-6	2-Arachidonoylglycerol	6.60	J		18.8	ug/L
000150-86-7	Phytol	4.60	J		19.2	ug/L
000463-40-1	9,12,15-Octadecatrienoic acid, (Z,	7.00	J		19.3	ug/L
000057-11-4	Octadecanoic acid	8.80	J		19.5	ug/L
007225-64-1	Heptadecane, 9-octyl-	3.90	J		20.8	ug/L
000297-03-0	Cyclotetracosane	16.9	J		21.3	ug/L
000646-31-1	Tetracosane	4.70	J		21.9	ug/L
055320-06-4	Heneicosane, 11-decyl-	5.20	J		22.5	ug/L
000593-45-3	Octadecane	3.90	J		23.3	ug/L
000111-02-4	Squalene	4.50	J		23.5	ug/L
003234-85-3	Myristyl myristate	17.7	J		24.8	ug/L
002599-01-1	Tetradecanoic acid, hexadecyl este	15.2	J		27.3	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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2934

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169362BL	PB169362BL	2-Fluorophenol	150	125	83		15 (23)	110 (138)
		Phenol-d6	150	120	80		15 (10)	110 (134)
		Nitrobenzene-d5	100	75.8	76		30 (67)	130 (132)
		2-Fluorobiphenyl	100	73.3	73		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	123	82		15 (44)	110 (137)
		Terphenyl-d14	100	70.1	70		30 (42)	130 (152)
PB169362BS	PB169362BS	2-Fluorophenol	150	116	77		15 (23)	110 (138)
		Phenol-d6	150	113	75		15 (10)	110 (134)
		Nitrobenzene-d5	100	72.1	72		30 (67)	130 (132)
		2-Fluorobiphenyl	100	70.9	71		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	119	80		15 (44)	110 (137)
		Terphenyl-d14	100	75.5	75		30 (42)	130 (152)
Q2924-03MS	MW-201-082025MS	2-Fluorophenol	150	67.6	45		15 (23)	110 (138)
		Phenol-d6	150	41.4	28		15 (10)	110 (134)
		Nitrobenzene-d5	100	148	148	*	30 (67)	130 (132)
		2-Fluorobiphenyl	100	79.6	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	138	92		15 (44)	110 (137)
		Terphenyl-d14	100	76.9	77		30 (42)	130 (152)
Q2924-04MSD	MW-201-082025MSD	2-Fluorophenol	150	67.4	45		15 (23)	110 (138)
		Phenol-d6	150	41.4	28		15 (10)	110 (134)
		Nitrobenzene-d5	100	149	149	*	30 (67)	130 (132)
		2-Fluorobiphenyl	100	78.1	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	135	90		15 (44)	110 (137)
		Terphenyl-d14	100	76.2	76		30 (42)	130 (152)
Q2934-01	ENV-SW01	2-Fluorophenol	150	84.9	57		15 (23)	110 (138)
		Phenol-d6	150	65.0	43		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.9	94		30 (67)	130 (132)
		2-Fluorobiphenyl	100	88.1	88		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	154	102		15 (44)	110 (137)
		Terphenyl-d14	100	80.8	81		30 (42)	130 (152)
Q2934-02	ENV-SW02	2-Fluorophenol	150	93.7	62		15 (23)	110 (138)
		Phenol-d6	150	73.6	49		15 (10)	110 (134)
		Nitrobenzene-d5	100	97.0	97		30 (67)	130 (132)
		2-Fluorobiphenyl	100	87.4	87		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	157	105		15 (44)	110 (137)
		Terphenyl-d14	100	82.2	82		30 (42)	130 (152)
Q2934-03	ENV-SW03	2-Fluorophenol	150	89.6	60		15 (23)	110 (138)
		Phenol-d6	150	72.4	48		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.1	90		30 (67)	130 (132)
		2-Fluorobiphenyl	100	79.9	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	151	101		15 (44)	110 (137)
		Terphenyl-d14	100	85.7	86		30 (42)	130 (152)
Q2934-04	ENV-SW04	2-Fluorophenol	150	83.0	55		15 (23)	110 (138)
		Phenol-d6	150	72.1	48		15 (10)	110 (134)
		Nitrobenzene-d5	100	80.8	81		30 (67)	130 (132)
		2-Fluorobiphenyl	100	74.6	75		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	133	89		15 (44)	110 (137)
		Terphenyl-d14	100	75.1	75		30 (42)	130 (152)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2934

Analytical Method: SW8270E

Client: Portal Partners Tri-Venture

DataFile: BP025602.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2924-03MS		Client Sample ID: MW-201-082025MS									
Benzaldehyde	51.5	0	38.4	ug/L	75				20 (10)	160 (137)	
Phenol	51.5	0	16.0	ug/L	31				20 (10)	160 (130)	
bis(2-Chloroethyl)ether	51.5	0	44.3	ug/L	86				70 (29)	130 (141)	
2-Chlorophenol	51.5	0	39.6	ug/L	77				70 (23)	130 (127)	
2-Methylphenol	51.5	0	33.8	ug/L	66	*			70 (60)	130 (131)	
2,2-oxybis(1-Chloropropane)	51.5	0	17.1	ug/L	33	*			70 (36)	130 (141)	
Acetophenone	51.5	0	87.5	ug/L	170	*			70 (31)	130 (164)	
3+4-Methylphenols	51.5	10.0	40.9	ug/L	60				20 (54)	160 (136)	
N-Nitroso-di-n-propylamine	51.5	0	42.2	ug/L	82				70 (36)	130 (147)	
Hexachloroethane	51.5	0	93.2	ug/L	181	*			20 (19)	160 (146)	
Nitrobenzene	51.5	0	85.8	ug/L	167	*			70 (62)	130 (112)	
Isophorone	51.5	0	81.7	ug/L	159	*			70 (39)	130 (146)	
2-Nitrophenol	51.5	0	86.6	ug/L	168	*			70 (30)	130 (148)	
2,4-Dimethylphenol	51.5	0	75.6	ug/L	147	*			70 (17)	130 (143)	
bis(2-Chloroethoxy)methane	51.5	0	70.3	ug/L	137	*			70 (39)	130 (143)	
2,4-Dichlorophenol	51.5	0	80.6	ug/L	157	*			70 (22)	130 (146)	
Naphthalene	51.5	3100	2700	ug/L	-777	*			70 (17)	130 (157)	
4-Chloroaniline	51.5	0	28.5	ug/L	55	*			70 (10)	130 (95)	
Hexachlorobutadiene	51.5	0	71.5	ug/L	139	*			70 (52)	130 (125)	
Caprolactam	51.5	0	16.7	ug/L	32				20 (10)	160 (130)	
4-Chloro-3-methylphenol	51.5	0	76.5	ug/L	149	*			70 (17)	130 (148)	
2-Methylnaphthalene	51.5	920	800	ug/L	-233	*			70 (38)	130 (146)	
Hexachlorocyclopentadiene	100	0	79.7	ug/L	80				20 (20)	160 (153)	
2,4,6-Trichlorophenol	51.5	0	50.2	ug/L	97				70 (78)	130 (112)	
2,4,5-Trichlorophenol	51.5	0	49.4	ug/L	96				70 (71)	130 (111)	
1,1-Biphenyl	51.5	26.0	69.6	ug/L	85				70 (38)	130 (154)	
2-Chloronaphthalene	51.5	0	48.9	ug/L	95				70 (41)	130 (145)	
2-Nitroaniline	51.5	0	54.1	ug/L	105				70 (39)	130 (151)	
Dimethylphthalate	51.5	0	48.7	ug/L	95				70 (42)	130 (147)	
Acenaphthylene	51.5	160	190	ug/L	58	*			70 (40)	130 (141)	
2,6-Dinitrotoluene	51.5	0	51.4	ug/L	100				70 (43)	130 (148)	
3-Nitroaniline	51.5	0	31.7	ug/L	62	*			70 (10)	130 (111)	
Acenaphthene	51.5	8.70	54.7	ug/L	89				70 (37)	130 (146)	
2,4-Dinitrophenol	100	0	120	ug/L	120				20 (14)	160 (167)	
4-Nitrophenol	100	0	42.0	ug/L	42				20 (10)	160 (130)	
Dibenzofuran	51.5	4.00	51.3	ug/L	92				70 (41)	130 (145)	
2,4-Dinitrotoluene	51.5	0	53.3	ug/L	103				70 (74)	130 (137)	
Diethylphthalate	51.5	2.10	50.3	ug/L	94				70 (41)	130 (148)	
4-Chlorophenyl-phenylether	51.5	0	48.5	ug/L	94				70 (38)	130 (149)	
Fluorene	51.5	27.4	67.1	ug/L	77				70 (39)	130 (144)	
4-Nitroaniline	51.5	0	48.5	ug/L	94				70 (27)	130 (138)	
4,6-Dinitro-2-methylphenol	51.5	0	55.1	ug/L	107				70 (32)	130 (175)	
N-Nitrosodiphenylamine	51.5	0	51.1	ug/L	99				70 (40)	130 (150)	
4-Bromophenyl-phenylether	51.5	0	51.5	ug/L	100				70 (42)	130 (151)	
Hexachlorobenzene	51.5	0	52.5	ug/L	102				70 (72)	130 (115)	
Atrazine	51.5	0	47.8	ug/L	93				70 (20)	130 (162)	

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2934

Analytical Method: SW8270E

Client: Portal Partners Tri-Venture

DataFile: BP025602.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	100	0	110	ug/L	110				20 (52)	160 (162)	
Phenanthrene	51.5	29.6	65.4	ug/L	70				70 (40)	130 (147)	
Anthracene	51.5	6.10	53.4	ug/L	92				70 (41)	130 (146)	
Carbazole	51.5	13.8	61.7	ug/L	93				70 (37)	130 (154)	
Di-n-butylphthalate	51.5	2.70	51.3	ug/L	94				70 (40)	130 (151)	
Fluoranthene	51.5	2.30	51.0	ug/L	95				70 (42)	130 (146)	
Pyrene	51.5	3.00	50.5	ug/L	92				70 (41)	130 (149)	
Butylbenzylphthalate	51.5	0	51.2	ug/L	99				70 (39)	130 (155)	
3,3-Dichlorobenzidine	51.5	0	41.5	ug/L	81				70 (10)	130 (114)	
Benzo(a)anthracene	51.5	0	49.5	ug/L	96				70 (41)	130 (147)	
Chrysene	51.5	0	50.0	ug/L	97				70 (44)	130 (144)	
bis(2-Ethylhexyl)phthalate	51.5	0	48.4	ug/L	94				70 (33)	130 (160)	
Di-n-octyl phthalate	51.5	0	51.0	ug/L	99				70 (36)	130 (158)	
Benzo(b)fluoranthene	51.5	0	50.0	ug/L	97				70 (40)	130 (150)	
Benzo(k)fluoranthene	51.5	0	49.1	ug/L	95				70 (40)	130 (147)	
Benzo(a)pyrene	51.5	0	49.3	ug/L	96				70 (42)	130 (147)	
Indeno(1,2,3-cd)pyrene	51.5	0	50.1	ug/L	97				70 (30)	130 (166)	
Dibenz(a,h)anthracene	51.5	0	51.0	ug/L	99				70 (23)	130 (172)	
Benzo(g,h,i)perylene	51.5	0	50.2	ug/L	97				70 (27)	130 (167)	
1,2,4,5-Tetrachlorobenzene	51.5	0	50.1	ug/L	97				70 (89)	130 (102)	
1,4-Dioxane	51.5	0	21.2	ug/L	41				20 (38)	160 (130)	
2,3,4,6-Tetrachlorophenol	51.5	0	51.1	ug/L	99				70 (91)	130 (111)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2934

Analytical Method: SW8270E

Client: Portal Partners Tri-Venture

DataFile: BP025603.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2924-04MSD		Client Sample ID: MW-201-082025MSD									
Benzaldehyde	52.6	0	37.7	ug/L	72		4		20 (10)	160 (137)	20 (20)
Phenol	52.6	0	16.4	ug/L	31		0		20 (10)	160 (130)	20 (20)
bis(2-Chloroethyl)ether	52.6	0	44.2	ug/L	84		2		70 (29)	130 (141)	20 (20)
2-Chlorophenol	52.6	0	39.6	ug/L	75		3		70 (23)	130 (127)	20 (20)
2-Methylphenol	52.6	0	34.5	ug/L	66	*	0		70 (60)	130 (131)	20 (20)
2,2-oxybis(1-Chloropropane)	52.6	0	18.4	ug/L	35	*	6		70 (36)	130 (141)	20 (20)
Acetophenone	52.6	0	90.6	ug/L	172	*	1		70 (31)	130 (164)	20 (20)
3+4-Methylphenols	52.6	10.0	41.7	ug/L	60		0		20 (54)	160 (136)	20 (20)
N-Nitroso-di-n-propylamine	52.6	0	43.2	ug/L	82		0		70 (36)	130 (147)	20 (20)
Hexachloroethane	52.6	0	96.9	ug/L	184	*	2		20 (19)	160 (146)	20 (20)
Nitrobenzene	52.6	0	89.1	ug/L	169	*	1		70 (62)	130 (112)	20 (20)
Isophorone	52.6	0	85.0	ug/L	162	*	2		70 (39)	130 (146)	20 (20)
2-Nitrophenol	52.6	0	90.4	ug/L	172	*	2		70 (30)	130 (148)	20 (20)
2,4-Dimethylphenol	52.6	0	78.4	ug/L	149	*	1		70 (17)	130 (143)	20 (20)
bis(2-Chloroethoxy)methane	52.6	0	75.2	ug/L	143	*	4		70 (39)	130 (143)	20 (20)
2,4-Dichlorophenol	52.6	0	85.1	ug/L	162	*	3		70 (22)	130 (146)	20 (20)
Naphthalene	52.6	3100	3000	ug/L	-190	*	121	*	70 (17)	130 (157)	20 (20)
4-Chloroaniline	52.6	0	31.3	ug/L	60	*	9		70 (10)	130 (95)	20 (20)
Hexachlorobutadiene	52.6	0	74.8	ug/L	142	*	2		70 (52)	130 (125)	20 (20)
Caprolactam	52.6	0	17.0	ug/L	32		0		20 (10)	160 (130)	20 (20)
4-Chloro-3-methylphenol	52.6	0	79.4	ug/L	151	*	1		70 (17)	130 (148)	20 (20)
2-Methylnaphthalene	52.6	920	850	ug/L	-133	*	55	*	70 (38)	130 (146)	20 (20)
Hexachlorocyclopentadiene	110	0	76.9	ug/L	70		13		20 (20)	160 (153)	20 (20)
2,4,6-Trichlorophenol	52.6	0	50.2	ug/L	95		2		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	52.6	0	49.9	ug/L	95		1		70 (71)	130 (111)	20 (20)
1,1-Biphenyl	52.6	26.0	70.0	ug/L	84		1		70 (38)	130 (154)	20 (20)
2-Chloronaphthalene	52.6	0	48.9	ug/L	93		2		70 (41)	130 (145)	20 (20)
2-Nitroaniline	52.6	0	53.9	ug/L	102		3		70 (39)	130 (151)	20 (20)
Dimethylphthalate	52.6	0	47.8	ug/L	91		4		70 (42)	130 (147)	20 (20)
Acenaphthylene	52.6	160	190	ug/L	57	*	2		70 (40)	130 (141)	20 (20)
2,6-Dinitrotoluene	52.6	0	51.3	ug/L	98		2		70 (43)	130 (148)	20 (20)
3-Nitroaniline	52.6	0	32.4	ug/L	62	*	0		70 (10)	130 (111)	20 (20)
Acenaphthene	52.6	8.70	53.5	ug/L	85		5		70 (37)	130 (146)	20 (20)
2,4-Dinitrophenol	110	0	120	ug/L	109		10		20 (14)	160 (167)	20 (20)
4-Nitrophenol	110	0	42.7	ug/L	39		7		20 (10)	160 (130)	20 (20)
Dibenzofuran	52.6	4.00	51.2	ug/L	90		2		70 (41)	130 (145)	20 (20)
2,4-Dinitrotoluene	52.6	0	52.5	ug/L	100		3		70 (74)	130 (137)	20 (20)
Diethylphthalate	52.6	2.10	48.9	ug/L	89		5		70 (41)	130 (148)	20 (20)
4-Chlorophenyl-phenylether	52.6	0	48.5	ug/L	92		2		70 (38)	130 (149)	20 (20)
Fluorene	52.6	27.4	68.0	ug/L	77		0		70 (39)	130 (144)	20 (20)
4-Nitroaniline	52.6	0	49.4	ug/L	94		0		70 (27)	130 (138)	20 (20)
4,6-Dinitro-2-methylphenol	52.6	0	55.7	ug/L	106		1		70 (32)	130 (175)	20 (20)
N-Nitrosodiphenylamine	52.6	0	50.5	ug/L	96		3		70 (40)	130 (150)	20 (20)
4-Bromophenyl-phenylether	52.6	0	52.0	ug/L	99		1		70 (42)	130 (151)	20 (20)
Hexachlorobenzene	52.6	0	52.3	ug/L	99		3		70 (72)	130 (115)	20 (20)
Atrazine	52.6	0	48.5	ug/L	92		1		70 (20)	130 (162)	20 (20)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2934

Analytical Method: SW8270E

Client: Portal Partners Tri-Venture

DataFile: BP025603.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	110	0	110	ug/L	100		10		20 (52)	160 (162)	20 (20)
Phenanthrene	52.6	29.6	67.2	ug/L	71		1		70 (40)	130 (147)	20 (20)
Anthracene	52.6	6.10	53.2	ug/L	90		2		70 (41)	130 (146)	20 (20)
Carbazole	52.6	13.8	63.5	ug/L	94		1		70 (37)	130 (154)	20 (20)
Di-n-butylphthalate	52.6	2.70	52.6	ug/L	95		1		70 (40)	130 (151)	20 (20)
Fluoranthene	52.6	2.30	51.6	ug/L	94		1		70 (42)	130 (146)	20 (20)
Pyrene	52.6	3.00	50.1	ug/L	90		2		70 (41)	130 (149)	20 (20)
Butylbenzylphthalate	52.6	0	52.0	ug/L	99		0		70 (39)	130 (155)	20 (20)
3,3-Dichlorobenzidine	52.6	0	43.4	ug/L	83		2		70 (10)	130 (114)	20 (20)
Benzo(a)anthracene	52.6	0	49.9	ug/L	95		1		70 (41)	130 (147)	20 (20)
Chrysene	52.6	0	51.2	ug/L	97		0		70 (44)	130 (144)	20 (20)
bis(2-Ethylhexyl)phthalate	52.6	0	49.7	ug/L	94		0		70 (33)	130 (160)	20 (20)
Di-n-octyl phthalate	52.6	0	52.0	ug/L	99		0		70 (36)	130 (158)	20 (20)
Benzo(b)fluoranthene	52.6	0	50.4	ug/L	96		1		70 (40)	130 (150)	20 (20)
Benzo(k)fluoranthene	52.6	0	49.6	ug/L	94		1		70 (40)	130 (147)	20 (20)
Benzo(a)pyrene	52.6	0	49.8	ug/L	95		1		70 (42)	130 (147)	20 (20)
Indeno(1,2,3-cd)pyrene	52.6	0	50.9	ug/L	97		0		70 (30)	130 (166)	20 (20)
Dibenz(a,h)anthracene	52.6	0	51.6	ug/L	98		1		70 (23)	130 (172)	20 (20)
Benzo(g,h,i)perylene	52.6	0	50.6	ug/L	96		1		70 (27)	130 (167)	20 (20)
1,2,4,5-Tetrachlorobenzene	52.6	0	49.8	ug/L	95		2		70 (89)	130 (102)	20 (20)
1,4-Dioxane	52.6	0	21.8	ug/L	41		0		20 (38)	160 (130)	20 (20)
2,3,4,6-Tetrachlorophenol	52.6	0	50.6	ug/L	96		3		70 (91)	130 (111)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q2934</u>	Analytical Method: <u>8270E</u>
Client: <u>Portal Partners Tri-Venture</u>	DataFile: <u>BP025581.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		
								Qual	Low	High	RPD
PB169362BS	Benzaldehyde	50	22.9	ug/L	46				20 (10)	160 (162)	
	Phenol	50	41.7	ug/L	83				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	40.1	ug/L	80				70 (62)	130 (103)	
	2-Chlorophenol	50	41.6	ug/L	83				70 (70)	130 (117)	
	2-Methylphenol	50	41.0	ug/L	82				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	39.7	ug/L	79				70 (65)	130 (100)	
	Acetophenone	50	39.8	ug/L	80				70 (60)	130 (104)	
	3+4-Methylphenols	50	39.8	ug/L	80				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	36.5	ug/L	73				70 (57)	130 (107)	
	Hexachloroethane	50	40.3	ug/L	81				20 (76)	160 (118)	
	Nitrobenzene	50	41.1	ug/L	82				70 (58)	130 (106)	
	Isophorone	50	39.2	ug/L	78				70 (61)	130 (102)	
	2-Nitrophenol	50	42.7	ug/L	85				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	42.3	ug/L	85				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	40.1	ug/L	80				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	43.3	ug/L	87				70 (66)	130 (115)	
	Naphthalene	50	39.7	ug/L	79				70 (64)	130 (107)	
	4-Chloroaniline	50	23.9	ug/L	48		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	40.8	ug/L	82				70 (69)	130 (101)	
	Caprolactam	50	39.6	ug/L	79				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	42.3	ug/L	85				70 (65)	130 (114)	
	2-Methylnaphthalene	50	39.4	ug/L	79				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	81.0	ug/L	81				20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	44.1	ug/L	88				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	44.6	ug/L	89				70 (70)	130 (106)	
	1,1-Biphenyl	50	41.8	ug/L	84				70 (72)	130 (98)	
	2-Chloronaphthalene	50	40.9	ug/L	82				70 (59)	130 (106)	
	2-Nitroaniline	50	44.0	ug/L	88				70 (73)	130 (114)	
	Dimethylphthalate	50	41.0	ug/L	82				70 (64)	130 (103)	
	Acenaphthylene	50	40.9	ug/L	82				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	43.4	ug/L	87				70 (64)	130 (110)	
	3-Nitroaniline	50	31.2	ug/L	62		*		70 (28)	130 (100)	
	Acenaphthene	50	39.5	ug/L	79				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	100	ug/L	100				20 (36)	160 (166)	
	4-Nitrophenol	100	82.1	ug/L	82				20 (45)	160 (147)	
	Dibenzofuran	50	40.2	ug/L	80				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	43.7	ug/L	87				70 (60)	130 (115)	
	Diethylphthalate	50	41.5	ug/L	83				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	40.1	ug/L	80				70 (61)	130 (104)	
	Fluorene	50	40.2	ug/L	80				70 (64)	130 (107)	
	4-Nitroaniline	50	41.1	ug/L	82				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	46.7	ug/L	93				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	42.8	ug/L	86				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	42.2	ug/L	84				70 (73)	130 (103)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q2934</u>	Analytical Method: <u>8270E</u>
Client: <u>Portal Partners Tri-Venture</u>	DataFile: <u>BP025581.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB169362BS	Hexachlorobenzene	50	42.0	ug/L	84				70 (73)	130 (106)		
	Atrazine	50	41.7	ug/L	83				70 (76)	130 (120)		
	Pentachlorophenol	100	86.9	ug/L	87				20 (47)	160 (114)		
	Phenanthrene	50	40.9	ug/L	82				70 (62)	130 (109)		
	Anthracene	50	41.4	ug/L	83				70 (65)	130 (110)		
	Carbazole	50	40.8	ug/L	82				70 (62)	130 (106)		
	Di-n-butylphthalate	50	41.6	ug/L	83				70 (64)	130 (106)		
	Fluoranthene	50	40.0	ug/L	80				70 (64)	130 (110)		
	Pyrene	50	43.4	ug/L	87				70 (71)	130 (103)		
	Butylbenzylphthalate	50	44.3	ug/L	89				70 (61)	130 (105)		
	3,3-Dichlorobenzidine	50	31.9	ug/L	64		*		70 (43)	130 (108)		
	Benzo(a)anthracene	50	42.2	ug/L	84				70 (62)	130 (107)		
	Chrysene	50	41.7	ug/L	83				70 (61)	130 (108)		
	bis(2-Ethylhexyl)phthalate	50	42.7	ug/L	85				70 (59)	130 (110)		
	Di-n-octyl phthalate	50	43.7	ug/L	87				70 (52)	130 (139)		
	Benzo(b)fluoranthene	50	41.7	ug/L	83				70 (77)	130 (113)		
	Benzo(k)fluoranthene	50	41.8	ug/L	84				70 (77)	130 (105)		
	Benzo(a)pyrene	50	41.6	ug/L	83				70 (72)	130 (131)		
	Indeno(1,2,3-cd)pyrene	50	41.4	ug/L	83				70 (72)	130 (105)		
	Dibenz(a,h)anthracene	50	41.8	ug/L	84				70 (78)	130 (115)		
	Benzo(g,h,i)perylene	50	41.4	ug/L	83				70 (75)	130 (118)		
	1,2,4,5-Tetrachlorobenzene	50	42.0	ug/L	84				70 (72)	130 (101)		
	1,4-Dioxane	50	34.9	ug/L	70				20 (38)	160 (125)		
	2,3,4,6-Tetrachlorophenol	50	43.0	ug/L	86				70 (63)	130 (116)		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169362BL

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2934

Lab File ID: BP025562.D

Lab Sample ID: PB169362BL

Instrument ID: BNA_P

Date Extracted: 08/22/2025

Matrix: (soil/water) Water

Date Analyzed: 08/25/2025

Level: (low/med) LOW

Time Analyzed: 12:54

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169362BS	PB169362BS	BP025581.D	08/26/2025
MW-201-082025MS	Q2924-03MS	BP025602.D	08/27/2025
MW-201-082025MSD	Q2924-04MSD	BP025603.D	08/27/2025
ENV-SW01	Q2934-01	BP025553.D	08/22/2025
ENV-SW02	Q2934-02	BP025554.D	08/22/2025
ENV-SW03	Q2934-03	BP025555.D	08/22/2025
ENV-SW04	Q2934-04	BP025556.D	08/22/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BP025390.D
Instrument ID: BNA_P

Contract: PORT06
SDG NO.: Q2934
DFTPP Injection Date: 08/14/2025
DFTPP Injection Time: 10:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	81.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 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	BP025392.D	08/14/2025	12:33
SSTDICC005	SSTDICC005	BP025393.D	08/14/2025	13:15
SSTDICC010	SSTDICC010	BP025394.D	08/14/2025	13:56
SSTDICC020	SSTDICC020	BP025395.D	08/14/2025	14:38
SSTDICCC040	SSTDICCC040	BP025396.D	08/14/2025	15:19
SSTDICC050	SSTDICC050	BP025397.D	08/14/2025	16:01
SSTDICC060	SSTDICC060	BP025398.D	08/14/2025	16:42
SSTDICC080	SSTDICC080	BP025399.D	08/14/2025	17:24

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BP025543.D
Instrument ID: BNA_P

Contract: PORT06
SDG NO.: Q2934
DFTPP Injection Date: 08/22/2025
DFTPP Injection Time: 10:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
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
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	78.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (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	BP025544.D	08/22/2025	10:49
ENV-SW01	Q2934-01	BP025553.D	08/22/2025	17:39
ENV-SW02	Q2934-02	BP025554.D	08/22/2025	18:20
ENV-SW03	Q2934-03	BP025555.D	08/22/2025	19:02
ENV-SW04	Q2934-04	BP025556.D	08/22/2025	19:43

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BP025560.D
Instrument ID: BNA_P

Contract: PORT06
SDG NO.: Q2934
DFTPP Injection Date: 08/25/2025
DFTPP Injection Time: 10:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.3) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	80.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (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	BP025561.D	08/25/2025	12:13
PB169362BL	PB169362BL	BP025562.D	08/25/2025	12:54

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BP025578.D
Instrument ID: BNA_P

Contract: PORT06
SDG NO.: Q2934
DFTPP Injection Date: 08/26/2025
DFTPP Injection Time: 08:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	78.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025579.D	08/26/2025	10:21
PB169362BS	PB169362BS	BP025581.D	08/26/2025	11:44

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BP025595.D
Instrument ID: BNA_P

Contract: PORT06
SDG NO.: Q2934
DFTPP Injection Date: 08/27/2025
DFTPP Injection Time: 08:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	79.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025596.D	08/27/2025	09:39
MW-201-082025MS	Q2924-03MS	BP025602.D	08/27/2025	14:18
MW-201-082025MSD	Q2924-04MSD	BP025603.D	08/27/2025	15:00

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID : SSTDCCC040

Date Analyzed: 08/22/2025

Lab File ID: BP025544.D

Time Analyzed: 10:49

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	137158	7.778	591885	10.55	400784	14.39
UPPER LIMIT	274316	8.278	1183770	11.048	801568	14.889
LOWER LIMIT	68579	7.278	295943	10.048	200392	13.889
EPA SAMPLE NO.						
01 ENV-SW01	164036	7.78	640301	10.54	399889	14.40
02 ENV-SW02	160345	7.78	629322	10.54	401606	14.38
03 ENV-SW03	170537	7.78	719655	10.54	487572	14.39
04 ENV-SW04	193608	7.78	812188	10.55	530149	14.39

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: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID: SSTDCCC040

Date Analyzed: 08/22/2025

Lab File ID: BP025544.D

Time Analyzed: 10:49

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	833863	17.189	897419	21.624	1034530	24.989
UPPER LIMIT	1667730	17.689	1794840	22.124	2069060	25.489
LOWER LIMIT	416932	16.689	448710	21.124	517265	24.489
EPA SAMPLE NO.						
01 ENV-SW01	848268	17.20	933136	21.63	1075180	25.00
02 ENV-SW02	846616	17.18	933681	21.62	1099740	24.98
03 ENV-SW03	1036600	17.19	1087230	21.63	1183120	24.99
04 ENV-SW04	1097910	17.19	1088350	21.62	1208910	24.98

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: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID : SSTDCCC040

Date Analyzed: 08/25/2025

Lab File ID: BP025561.D

Time Analyzed: 12:13

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	176050	7.766	715069	10.54	441846	14.39
UPPER LIMIT	352100	8.266	1430140	11.037	883692	14.89
LOWER LIMIT	88025	7.266	357535	10.037	220923	13.89
EPA SAMPLE NO.						
01 PB169362BL	173347	7.78	665603	10.54	424932	14.39

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: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID: SSTDCCC040

Date Analyzed: 08/25/2025

Lab File ID: BP025561.D

Time Analyzed: 12:13

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	900532	17.189	945335	21.63	1072630	25.001
UPPER LIMIT	1801060	17.689	1890670	22.13	2145260	25.501
LOWER LIMIT	450266	16.689	472668	21.13	536315	24.501
EPA SAMPLE NO.						
01 PB169362BL	890876	17.19	1139400	21.63	1287990	25.00

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: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID : SSTDCCC040

Date Analyzed: 08/26/2025

Lab File ID: BP025579.D

Time Analyzed: 10:21

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	235051	7.778	932609	10.55	572065	14.39
UPPER LIMIT	470102	8.278	1865220	11.049	1144130	14.89
LOWER LIMIT	117526	7.278	466305	10.049	286033	13.89
EPA SAMPLE NO.						
01 PB169362BS	256194	7.78	1004580	10.55	636349	14.41

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: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID: SSTDCCC040

Date Analyzed: 08/26/2025

Lab File ID: BP025579.D

Time Analyzed: 10:21

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	1130980	17.195	1110360	21.636	1292920	24.995
UPPER LIMIT	2261960	17.695	2220720	22.136	2585840	25.495
LOWER LIMIT	565490	16.695	555180	21.136	646460	24.495
EPA SAMPLE NO.						
01 PB169362BS	1239650	17.20	1177570	21.63	1318340	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: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID : SSTDCCC040

Date Analyzed: 08/27/2025

Lab File ID: BP025596.D

Time Analyzed: 09:39

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	161611	7.778	681785	10.54	463868	14.40
UPPER LIMIT	323222	8.278	1363570	11.043	927736	14.896
LOWER LIMIT	80805.5	7.278	340893	10.043	231934	13.896
EPA SAMPLE NO.						
01 MW-201-082025MS	177033	7.78	389081	10.57	432672	14.39
02 MW-201-082025MSD	165573	7.78	358938	10.57	417829	14.40

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: Alliance

Lab Code: ACE

SDG NO.: Q2934

Client ID: SSTDCCC040

Date Analyzed: 08/27/2025

Lab File ID: BP025596.D

Time Analyzed: 09:39

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	978179	17.207	1036720	21.642	1177640	25.001
UPPER LIMIT	1956360	17.707	2073440	22.142	2355280	25.501
LOWER LIMIT	489090	16.707	518360	21.142	588820	24.501
EPA SAMPLE NO.						
01 MW-201-082025MS	850262	17.19	903685	21.64	1056320	25.00
02 MW-201-082025MSD	814298	17.20	887974	21.64	1057490	25.01

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:	PB169362BL	SDG No.:	Q2934
Lab Sample ID:	PB169362BL	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025562.D	1	08/22/25 10:34	08/25/25 12:54	PB169362

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:	PB169362BL	SDG No.:	Q2934
Lab Sample ID:	PB169362BL	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025562.D	1	08/22/25 10:34	08/25/25 12:54	PB169362

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:	PB169362BL	SDG No.:	Q2934
Lab Sample ID:	PB169362BL	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025562.D	1	08/22/25 10:34	08/25/25 12:54	PB169362

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	125		15 (23) - 110 (138)	83%	SPK: 150
13127-88-3	Phenol-d6	120		15 (10) - 110 (134)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.8		30 (67) - 130 (132)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.3		30 (52) - 130 (132)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		15 (44) - 110 (137)	82%	SPK: 150
1718-51-0	Terphenyl-d14	70.1		30 (42) - 130 (152)	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	173000	7.778			
1146-65-2	Naphthalene-d8	666000	10.543			
15067-26-2	Acenaphthene-d10	425000	14.389			
1517-22-2	Phenanthrene-d10	891000	17.189			
1719-03-5	Chrysene-d12	1140000	21.63			
1520-96-3	Perylene-d12	1290000	25.001			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.70	A		4.94	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	PB169362BL		SDG No.:	Q2934
Lab Sample ID:	PB169362BL		Matrix:	Water
Analytical Method:	8270E		% 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 :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025562.D	1	08/22/25 10:34	08/25/25 12:54	PB169362

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:	PB169362BS	SDG No.:	Q2934
Lab Sample ID:	PB169362BS	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025581.D	1	08/22/25 10:34	08/26/25 11:44	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	22.9		3.90	10.0	ug/L
108-95-2	Phenol	41.7		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.1		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	41.6		0.58	5.00	ug/L
95-48-7	2-Methylphenol	41.0		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39.7		1.30	5.00	ug/L
98-86-2	Acetophenone	39.8		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	39.8		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	36.5		1.40	2.50	ug/L
67-72-1	Hexachloroethane	40.3		0.65	5.00	ug/L
98-95-3	Nitrobenzene	41.1		0.76	5.00	ug/L
78-59-1	Isophorone	39.2		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	42.7		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	42.3		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40.1		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.3		0.52	5.00	ug/L
91-20-3	Naphthalene	39.7		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	23.9		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	40.8		0.54	5.00	ug/L
105-60-2	Caprolactam	39.6		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	42.3		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	39.4		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	81.0	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	44.1		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	44.6		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	41.8		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	40.9		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	44.0		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	41.0		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:	PB169362BS	SDG No.:	Q2934
Lab Sample ID:	PB169362BS	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025581.D	1	08/22/25 10:34	08/26/25 11:44	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	40.9		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	31.2		1.10	5.00	ug/L
83-32-9	Acenaphthene	39.5		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	100	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	82.1	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	40.2		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	43.7		1.20	5.00	ug/L
84-66-2	Diethylphthalate	41.5		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40.1		0.68	5.00	ug/L
86-73-7	Fluorene	40.2		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	41.1		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	46.7		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	42.8		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	42.2		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	42.0		0.52	5.00	ug/L
1912-24-9	Atrazine	41.7		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	86.9	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	40.9		0.50	5.00	ug/L
120-12-7	Anthracene	41.4		0.61	5.00	ug/L
86-74-8	Carbazole	40.8		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	41.6		1.20	5.00	ug/L
206-44-0	Fluoranthene	40.0		0.82	5.00	ug/L
129-00-0	Pyrene	43.4		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	44.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	31.9		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	42.2		0.45	5.00	ug/L
218-01-9	Chrysene	41.7		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42.7		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.7		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	41.7		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:	PB169362BS	SDG No.:	Q2934
Lab Sample ID:	PB169362BS	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025581.D	1	08/22/25 10:34	08/26/25 11:44	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	41.8		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	41.6		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	41.4		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	41.8		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	41.4		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.0		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	34.9		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.0		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	116		15 (23) - 110 (138)	77%	SPK: 150
13127-88-3	Phenol-d6	113		15 (10) - 110 (134)	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.1		30 (67) - 130 (132)	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.9		30 (52) - 130 (132)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		15 (44) - 110 (137)	80%	SPK: 150
1718-51-0	Terphenyl-d14	75.5		30 (42) - 130 (152)	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	256000	7.778			
1146-65-2	Naphthalene-d8	1000000	10.549			
15067-26-2	Acenaphthene-d10	636000	14.407			
1517-22-2	Phenanthrene-d10	1240000	17.195			
1719-03-5	Chrysene-d12	1180000	21.63			
1520-96-3	Perylene-d12	1320000	24.989			

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:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MS	SDG No.:	Q2934
Lab Sample ID:	Q2924-03MS	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025602.D	1	08/22/25 10:34	08/27/25 14:18	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	38.4		4.00	10.3	ug/L
108-95-2	Phenol	16.0		0.94	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.3		0.84	5.20	ug/L
95-57-8	2-Chlorophenol	39.6		0.60	5.20	ug/L
95-48-7	2-Methylphenol	33.8		1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	17.1		1.30	5.20	ug/L
98-86-2	Acetophenone	87.5	E	0.76	5.20	ug/L
65794-96-9	3+4-Methylphenols	40.9		1.10	10.3	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.2		1.50	2.60	ug/L
67-72-1	Hexachloroethane	93.2	E	0.67	5.20	ug/L
98-95-3	Nitrobenzene	85.8	E	0.78	5.20	ug/L
78-59-1	Isophorone	81.7		0.77	5.20	ug/L
88-75-5	2-Nitrophenol	86.6	E	1.80	5.20	ug/L
105-67-9	2,4-Dimethylphenol	75.6		1.90	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	70.3		0.70	5.20	ug/L
120-83-2	2,4-Dichlorophenol	80.6		0.54	5.20	ug/L
91-20-3	Naphthalene	2700	E	0.52	5.20	ug/L
106-47-8	4-Chloroaniline	28.5		0.87	5.20	ug/L
87-68-3	Hexachlorobutadiene	71.5		0.56	5.20	ug/L
105-60-2	Caprolactam	16.7		1.20	10.3	ug/L
59-50-7	4-Chloro-3-methylphenol	76.5		0.61	5.20	ug/L
91-57-6	2-Methylnaphthalene	800	E	0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	79.7		3.70	10.3	ug/L
88-06-2	2,4,6-Trichlorophenol	50.2		0.53	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	49.4		0.64	5.20	ug/L
92-52-4	1,1-Biphenyl	69.6		0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	48.9		0.63	5.20	ug/L
88-74-4	2-Nitroaniline	54.1		1.30	5.20	ug/L
131-11-3	Dimethylphthalate	48.7		0.63	5.20	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MS	SDG No.:	Q2934
Lab Sample ID:	Q2924-03MS	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025602.D	1	08/22/25 10:34	08/27/25 14:18	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	190	E	0.77	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	51.4		0.95	5.20	ug/L
99-09-2	3-Nitroaniline	31.7		1.10	5.20	ug/L
83-32-9	Acenaphthene	54.7		0.57	5.20	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.20	10.3	ug/L
100-02-7	4-Nitrophenol	42.0		2.50	10.3	ug/L
132-64-9	Dibenzofuran	51.3		0.63	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	53.3		1.30	5.20	ug/L
84-66-2	Diethylphthalate	50.3		0.71	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	48.5		0.70	5.20	ug/L
86-73-7	Fluorene	67.1		0.65	5.20	ug/L
100-01-6	4-Nitroaniline	48.5		1.50	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	55.1		3.00	10.3	ug/L
86-30-6	n-Nitrosodiphenylamine	51.1		0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	51.5		0.41	5.20	ug/L
118-74-1	Hexachlorobenzene	52.5		0.54	5.20	ug/L
1912-24-9	Atrazine	47.8		1.00	5.20	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.3	ug/L
85-01-8	Phenanthrene	65.4		0.52	5.20	ug/L
120-12-7	Anthracene	53.4		0.63	5.20	ug/L
86-74-8	Carbazole	61.7		0.74	5.20	ug/L
84-74-2	Di-n-butylphthalate	51.3		1.30	5.20	ug/L
206-44-0	Fluoranthene	51.0		0.85	5.20	ug/L
129-00-0	Pyrene	50.5		0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	51.2		2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	41.5		0.96	10.3	ug/L
56-55-3	Benzo(a)anthracene	49.5		0.46	5.20	ug/L
218-01-9	Chrysene	50.0		0.45	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.4		1.60	5.20	ug/L
117-84-0	Di-n-octyl phthalate	51.0		2.40	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	50.0		0.51	5.20	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MS	SDG No.:	Q2934
Lab Sample ID:	Q2924-03MS	Matrix:	Water
Analytical Method:	8270E	% 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025602.D	1	08/22/25 10:34	08/27/25 14:18	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	49.1		0.49	5.20	ug/L
50-32-8	Benzo(a)pyrene	49.3		0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.1		0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.0		0.69	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	50.2		0.71	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	50.1		0.54	5.20	ug/L
123-91-1	1,4-Dioxane	21.2		1.00	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	51.1		0.74	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.6		15 (23) - 110 (138)	45%	SPK: 150
13127-88-3	Phenol-d6	41.4		15 (10) - 110 (134)	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	148	*	30 (67) - 130 (132)	148%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.6		30 (52) - 130 (132)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		15 (44) - 110 (137)	92%	SPK: 150
1718-51-0	Terphenyl-d14	76.9		30 (42) - 130 (152)	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	177000	7.784			
1146-65-2	Naphthalene-d8	389000	10.566			
15067-26-2	Acenaphthene-d10	433000	14.389			
1517-22-2	Phenanthrene-d10	850000	17.189			
1719-03-5	Chrysene-d12	904000	21.636			
1520-96-3	Perylene-d12	1060000	25.001			

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:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MSD	SDG No.:	Q2934
Lab Sample ID:	Q2924-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	950 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025603.D	1	08/22/25 10:34	08/27/25 15:00	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	37.7		4.10	10.5	ug/L
108-95-2	Phenol	16.4		0.96	5.30	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.2		0.85	5.30	ug/L
95-57-8	2-Chlorophenol	39.6		0.61	5.30	ug/L
95-48-7	2-Methylphenol	34.5		1.20	5.30	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	18.4		1.30	5.30	ug/L
98-86-2	Acetophenone	90.6	E	0.78	5.30	ug/L
65794-96-9	3+4-Methylphenols	41.7		1.20	10.5	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.2		1.50	2.60	ug/L
67-72-1	Hexachloroethane	96.9	E	0.68	5.30	ug/L
98-95-3	Nitrobenzene	89.1	E	0.80	5.30	ug/L
78-59-1	Isophorone	85.0	E	0.79	5.30	ug/L
88-75-5	2-Nitrophenol	90.4	E	1.90	5.30	ug/L
105-67-9	2,4-Dimethylphenol	78.4		1.90	5.30	ug/L
111-91-1	bis(2-Chloroethoxy)methane	75.2		0.72	5.30	ug/L
120-83-2	2,4-Dichlorophenol	85.1	E	0.55	5.30	ug/L
91-20-3	Naphthalene	3000	E	0.53	5.30	ug/L
106-47-8	4-Chloroaniline	31.3		0.88	5.30	ug/L
87-68-3	Hexachlorobutadiene	74.8		0.57	5.30	ug/L
105-60-2	Caprolactam	17.0		1.20	10.5	ug/L
59-50-7	4-Chloro-3-methylphenol	79.4		0.62	5.30	ug/L
91-57-6	2-Methylnaphthalene	850	E	0.59	5.30	ug/L
77-47-4	Hexachlorocyclopentadiene	76.9		3.80	10.5	ug/L
88-06-2	2,4,6-Trichlorophenol	50.2		0.54	5.30	ug/L
95-95-4	2,4,5-Trichlorophenol	49.9		0.65	5.30	ug/L
92-52-4	1,1-Biphenyl	70.0		0.56	5.30	ug/L
91-58-7	2-Chloronaphthalene	48.9		0.64	5.30	ug/L
88-74-4	2-Nitroaniline	53.9		1.30	5.30	ug/L
131-11-3	Dimethylphthalate	47.8		0.64	5.30	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MSD	SDG No.:	Q2934
Lab Sample ID:	Q2924-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	950 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025603.D	1	08/22/25 10:34	08/27/25 15:00	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	190	E	0.79	5.30	ug/L
606-20-2	2,6-Dinitrotoluene	51.3		0.97	5.30	ug/L
99-09-2	3-Nitroaniline	32.4		1.10	5.30	ug/L
83-32-9	Acenaphthene	53.5		0.58	5.30	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.30	10.5	ug/L
100-02-7	4-Nitrophenol	42.7		2.50	10.5	ug/L
132-64-9	Dibenzofuran	51.2		0.64	5.30	ug/L
121-14-2	2,4-Dinitrotoluene	52.5		1.30	5.30	ug/L
84-66-2	Diethylphthalate	48.9		0.73	5.30	ug/L
7005-72-3	4-Chlorophenyl-phenylether	48.5		0.72	5.30	ug/L
86-73-7	Fluorene	68.0		0.66	5.30	ug/L
100-01-6	4-Nitroaniline	49.4		1.60	5.30	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	55.7		3.00	10.5	ug/L
86-30-6	n-Nitrosodiphenylamine	50.5		0.61	5.30	ug/L
101-55-3	4-Bromophenyl-phenylether	52.0		0.42	5.30	ug/L
118-74-1	Hexachlorobenzene	52.3		0.55	5.30	ug/L
1912-24-9	Atrazine	48.5		1.10	5.30	ug/L
87-86-5	Pentachlorophenol	110	E	1.70	10.5	ug/L
85-01-8	Phenanthrene	67.2		0.53	5.30	ug/L
120-12-7	Anthracene	53.2		0.64	5.30	ug/L
86-74-8	Carbazole	63.5		0.76	5.30	ug/L
84-74-2	Di-n-butylphthalate	52.6		1.30	5.30	ug/L
206-44-0	Fluoranthene	51.6		0.86	5.30	ug/L
129-00-0	Pyrene	50.1		0.53	5.30	ug/L
85-68-7	Butylbenzylphthalate	52.0		2.00	5.30	ug/L
91-94-1	3,3-Dichlorobenzidine	43.4		0.98	10.5	ug/L
56-55-3	Benzo(a)anthracene	49.9		0.47	5.30	ug/L
218-01-9	Chrysene	51.2		0.46	5.30	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.7		1.70	5.30	ug/L
117-84-0	Di-n-octyl phthalate	52.0		2.50	10.5	ug/L
205-99-2	Benzo(b)fluoranthene	50.4		0.52	5.30	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MSD	SDG No.:	Q2934
Lab Sample ID:	Q2924-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	950 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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025603.D	1	08/22/25 10:34	08/27/25 15:00	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	49.6		0.51	5.30	ug/L
50-32-8	Benzo(a)pyrene	49.8		0.58	5.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.9		0.62	5.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.6		0.71	5.30	ug/L
191-24-2	Benzo(g,h,i)perylene	50.6		0.73	5.30	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.8		0.55	5.30	ug/L
123-91-1	1,4-Dioxane	21.8		1.10	5.30	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.6		0.76	5.30	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.4		15 (23) - 110 (138)	45%	SPK: 150
13127-88-3	Phenol-d6	41.4		15 (10) - 110 (134)	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	149	*	30 (67) - 130 (132)	149%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		15 (44) - 110 (137)	90%	SPK: 150
1718-51-0	Terphenyl-d14	76.2		30 (42) - 130 (152)	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	166000	7.778			
1146-65-2	Naphthalene-d8	359000	10.566			
15067-26-2	Acenaphthene-d10	418000	14.401			
1517-22-2	Phenanthrene-d10	814000	17.201			
1719-03-5	Chrysene-d12	888000	21.636			
1520-96-3	Perylene-d12	1060000	25.007			

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_P\Methods\
 Method File : 8270E-BP081425.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Aug 14 18:14:31 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BP025392.D 5 =BP025393.D 10 =BP025394.D 20 =BP025395.D 40 =BP025396.D 50 =BP025397.D 60 =BP025398.D 80 =BP025399.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane	0.520	0.464	0.475	0.445	0.479	0.462	0.458	0.472	5.07	
3) Pyridine	1.446	1.250	1.256	1.220	1.317	1.281	1.268	1.291	5.77	
4) n-Nitrosodimet...		0.515	0.512	0.511	0.559	0.555	0.541	0.532	4.13	
5) S 2-Fluorophenol	1.232	1.177	1.194	1.162	1.240	1.226	1.199	1.204	2.42	
6) Aniline	2.098	1.962	2.030	2.020	2.194	2.164	2.094	2.080	3.96	
7) S Phenol-d6	1.483	1.467	1.533	1.513	1.641	1.609	1.563	1.544	4.16	
8) 2-Chlorophenol	1.351	1.283	1.347	1.313	1.428	1.414	1.378	1.359	3.83	
9) Benzaldehyde		0.987	0.956	1.366	1.262	1.005	0.915	1.082	17.12	
10) C Phenol	1.594	1.529	1.613	1.575	1.707	1.688	1.635	1.620	3.87	
11) bis(2-Chloroet...	1.283	1.183	1.273	1.222	1.321	1.303	1.255	1.263	3.78	
12) 1,3-Dichlorobe...	1.532	1.433	1.503	1.443	1.555	1.530	1.493	1.499	3.07	
13) C 1,4-Dichlorobe...	1.587	1.490	1.527	1.467	1.596	1.544	1.510	1.532	3.12	
14) 1,2-Dichlorobe...	1.558	1.430	1.491	1.431	1.533	1.487	1.449	1.483	3.35	
15) Benzyl Alcohol		1.138	1.205	1.193	1.287	1.289	1.250	1.227	4.83	
16) 2,2'-oxybis(1-...	1.762	1.592	1.712	1.620	1.751	1.740	1.665	1.692	3.96	
17) 2-Methylphenol	1.075	1.030	1.123	1.107	1.198	1.191	1.154	1.125	5.41	
18) Hexachloroethane	0.577	0.544	0.552	0.545	0.588	0.578	0.559	0.563	3.13	
19) P n-Nitroso-di-n...	1.014	1.066	0.959	1.056	0.992	1.053	1.042	1.000	1.023	3.68
20) 3+4-Methylphenols		1.442	1.533	1.525	1.639	1.640	1.580	1.560	4.87	

21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.515	0.487	0.506	0.485	0.523	0.506	0.488	0.502	2.96	
23) S Nitrobenzene-d5	0.395	0.376	0.392	0.383	0.419	0.408	0.394	0.395	3.65	
24) Nitrobenzene	0.350	0.342	0.348	0.344	0.375	0.362	0.352	0.353	3.21	
25) Isophorone	0.734	0.672	0.700	0.674	0.730	0.709	0.680	0.700	3.70	
26) C 2-Nitrophenol	0.167	0.163	0.177	0.181	0.197	0.195	0.190	0.181	7.43	
27) 2,4-Dimethylph...	0.303	0.303	0.296	0.308	0.336	0.325	0.313	0.312	4.46	
28) bis(2-Chloroet...	0.443	0.407	0.425	0.407	0.439	0.430	0.410	0.423	3.61	
29) C 2,4-Dichloroph...	0.293	0.293	0.308	0.305	0.331	0.324	0.314	0.310	4.71	
30) 1,2,4-Trichlor...	0.357	0.329	0.335	0.327	0.354	0.344	0.332	0.340	3.61	
31) Naphthalene	1.069	1.020	1.037	1.000	1.087	1.052	1.011	1.040	3.06	
32) Benzoic acid		0.188	0.207	0.227	0.249	0.255	0.255	0.230	12.20	
33) 4-Chloroaniline	0.453	0.435	0.447	0.452	0.492	0.478	0.458	0.459	4.19	
34) C Hexachlorobuta...	0.222	0.205	0.211	0.205	0.218	0.213	0.207	0.211	3.05	
35) Caprolactam		0.114	0.110	0.109	0.120	0.116	0.113	0.114	3.67	
36) C 4-Chloro-3-met...	0.366	0.335	0.347	0.346	0.373	0.368	0.353	0.355	3.85	
37) 2-Methylnaphth...	0.716	0.653	0.678	0.652	0.700	0.682	0.654	0.676	3.69	
38) 1-Methylnaphth...	0.777	0.706	0.713	0.686	0.751	0.719	0.685	0.719	4.67	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP081425.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.578	0.559	0.585	0.560	0.610	0.581	0.571	0.578	3.00	
41) P	Hexachlorocycl...	0.274	0.313	0.348	0.387	0.388	0.383	0.349		13.46	
42) S	2,4,6-Tribromo...	0.266	0.259	0.267	0.263	0.286	0.275	0.268	0.269	3.39	
43) C	2,4,6-Trichlor...	0.368	0.364	0.381	0.382	0.421	0.408	0.405	0.390	5.56	
44)	2,4,5-Trichlor...	0.417	0.385	0.424	0.424	0.457	0.448	0.437	0.427	5.52	
45) S	2-Fluorobiphenyl	1.558	1.483	1.507	1.392	1.517	1.435	1.351	1.463	5.04	
46)	1,1'-Biphenyl	1.495	1.418	1.457	1.408	1.537	1.445	1.407	1.453	3.37	
47)	2-Chloronaphth...	1.152	1.093	1.144	1.101	1.184	1.142	1.100	1.131	2.99	
48)	2-Nitroaniline	0.301	0.306	0.317	0.330	0.360	0.351	0.341	0.329	6.85	
49)	Acenaphthylene	1.907	1.806	1.848	1.806	1.992	1.907	1.832	1.871	3.63	
50)	Dimethylphthalate	1.569	1.449	1.438	1.403	1.512	1.479	1.403	1.465	4.12	
51)	2,6-Dinitrotol...	0.297	0.287	0.302	0.309	0.331	0.323	0.311	0.309	4.95	
52) C	Acenaphthene	1.149	1.082	1.100	1.041	1.155	1.106	1.056	1.098	3.93	
53)	3-Nitroaniline	0.318	0.329	0.337	0.342	0.384	0.367	0.354	0.347	6.56	
54) P	2,4-Dinitrophenol	0.114	0.140	0.163	0.186	0.192	0.194	0.165		19.83	
55)	Dibenzofuran	1.820	1.711	1.737	1.677	1.811	1.729	1.672	1.736	3.40	
56) P	4-Nitrophenol	0.251	0.265	0.279	0.315	0.304	0.298	0.285		8.56	
57)	2,4-Dinitrotol...	0.404	0.407	0.431	0.438	0.479	0.471	0.454	0.440	6.61	
58)	Fluorene	1.506	1.391	1.390	1.306	1.415	1.330	1.253	1.370	6.02	
59)	2,3,4,6-Tetrac...	0.375	0.360	0.366	0.368	0.402	0.392	0.379	0.377	4.01	
60)	Diethylphthalate	1.615	1.475	1.465	1.434	1.540	1.459	1.430	1.488	4.48	
61)	4-Chlorophenyl...	0.761	0.684	0.679	0.651	0.690	0.671	0.634	0.681	5.91	
62)	4-Nitroaniline	0.341	0.336	0.349	0.351	0.387	0.370	0.359	0.356	4.89	
63)	Azobenzene	1.315	1.226	1.274	1.237	1.341	1.301	1.227	1.274	3.62	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.096	0.113	0.123	0.139	0.139	0.138	0.125		14.21	
66) c	n-Nitrosodiphe...	0.636	0.603	0.607	0.591	0.634	0.605	0.594	0.610	2.99	
67)	4-Bromophenyl-...	0.233	0.206	0.217	0.213	0.230	0.223	0.218	0.220	4.34	
68)	Hexachlorobenzene	0.264	0.253	0.254	0.242	0.264	0.257	0.251	0.255	3.06	
69)	Atrazine	0.229	0.226	0.228	0.218	0.240	0.229	0.229	0.228	2.74	
70) C	Pentachlorophenol	0.135	0.154	0.157	0.177	0.171	0.172	0.161		9.76	
71)	Phenanthrene	1.162	1.101	1.111	1.040	1.135	1.085	1.057	1.099	3.88	
72)	Anthracene	1.161	1.124	1.133	1.079	1.175	1.101	1.080	1.122	3.37	
73)	Carbazole	1.079	1.052	1.074	1.007	1.111	1.053	1.022	1.057	3.32	
74)	Di-n-butylphth...	1.345	1.255	1.332	1.244	1.374	1.285	1.265	1.300	3.86	
75) C	Fluoranthene	1.370	1.323	1.348	1.228	1.361	1.286	1.258	1.311	4.13	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.642	0.642	0.967	0.664	0.608	0.573	0.683		20.94	
78)	Pyrene	1.398	1.261	1.287	1.274	1.320	1.319	1.241	1.300	4.00	
79) S	Terphenyl-d14	1.249	1.100	1.097	1.045	1.100	1.061	0.999	1.093	7.15	
80)	Butylbenzylpht...	0.589	0.557	0.592	0.579	0.614	0.616	0.578	0.589	3.55	
81)	Benzo(a)anthra...	1.384	1.302	1.313	1.268	1.359	1.333	1.275	1.319	3.21	
82)	3,3'-Dichlorob...	0.482	0.507	0.488	0.521	0.506	0.480	0.497		3.31	
83)	Chrysene	1.292	1.214	1.249	1.182	1.280	1.243	1.186	1.235	3.49	
84)	Bis(2-ethylhex...	0.907	0.826	0.874	0.831	0.901	0.882	0.850	0.867	3.73	
85) c	Di-n-octyl pht...	1.381	1.498	1.444	1.572	1.563	1.491	1.492		4.84	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.454	1.385	1.440	1.411	1.569	1.522	1.486	1.467	4.36
88)	Benzo(b)fluora...	1.203	1.126	1.171	1.134	1.250	1.197	1.175	1.179	3.60
89)	Benzo(k)fluora...	1.202	1.157	1.200	1.130	1.226	1.206	1.141	1.180	3.16
90) C	Benzo(a)pyrene	1.139	1.093	1.150	1.108	1.219	1.185	1.141	1.148	3.77
91)	Dibenzo(a,h)an...	1.180	1.125	1.179	1.156	1.290	1.244	1.216	1.199	4.64
92)	Benzo(g,h,i)pe...	1.162	1.118	1.169	1.138	1.248	1.220	1.192	1.178	3.86

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>PORT06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2934</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/22/2025 10:49</u>
Lab File ID:	<u>BP025544.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.201		-0.2	
Benzaldehyde	1.082	1.377		27.3	
Phenol-d6	1.544	1.586		2.7	
Phenol	1.620	1.656		2.2	20.0
bis(2-Chloroethyl)ether	1.263	1.266		0.2	
2-Chlorophenol	1.359	1.376		1.3	
2-Methylphenol	1.125	1.147		2.0	
2,2-oxybis(1-Chloropropane)	1.692	1.738		2.7	
Acetophenone	0.502	0.494		-1.6	
3+4-Methylphenols	1.560	1.584		1.5	
n-Nitroso-di-n-propylamine	1.023	1.030	0.050	0.7	
Nitrobenzene-d5	0.395	0.396		0.3	
Hexachloroethane	0.563	0.554		-1.6	
Nitrobenzene	0.353	0.357		1.1	
Isophorone	0.700	0.697		-0.4	
2-Nitrophenol	0.181	0.184		1.7	20.0
2,4-Dimethylphenol	0.312	0.307		-1.6	
bis(2-Chloroethoxy)methane	0.423	0.416		-1.7	
2,4-Dichlorophenol	0.310	0.307		-1.0	20.0
Naphthalene	1.040	1.006		-3.3	
4-Chloroaniline	0.459	0.460		0.2	
Hexachlorobutadiene	0.211	0.200		-5.2	20.0
Caprolactam	0.114	0.124		8.8	
4-Chloro-3-methylphenol	0.355	0.364		2.5	20.0
2-Methylnaphthalene	0.676	0.652		-3.5	
Hexachlorocyclopentadiene	0.349	0.397	0.050	13.8	
2,4,6-Trichlorophenol	0.390	0.387		-0.8	20.0
2-Fluorobiphenyl	1.463	1.364		-6.8	
2,4,5-Trichlorophenol	0.427	0.430		0.7	
1,1-Biphenyl	1.453	1.392		-4.2	
2-Chloronaphthalene	1.131	1.080		-4.5	
2-Nitroaniline	0.329	0.351		6.7	
Dimethylphthalate	1.465	1.455		-0.7	
Acenaphthylene	1.871	1.834		-2.0	
2,6-Dinitrotoluene	0.309	0.324		4.9	
3-Nitroaniline	0.347	0.370		6.6	
Acenaphthene	1.098	1.042		-5.1	20.0
2,4-Dinitrophenol	0.165	0.228	0.050	38.2	
4-Nitrophenol	0.285	0.311	0.050	9.1	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>PORT06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2934</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/22/2025 10:49</u>
Lab File ID:	<u>BP025544.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.669		-3.9	
2,4-Dinitrotoluene	0.440	0.471		7.0	
Diethylphthalate	1.488	1.520		2.2	
4-Chlorophenyl-phenylether	0.681	0.653		-4.1	
Fluorene	1.370	1.350		-1.5	
4-Nitroaniline	0.356	0.382		7.3	
4,6-Dinitro-2-methylphenol	0.125	0.146		16.8	
n-Nitrosodiphenylamine	0.610	0.590		-3.3	20.0
2,4,6-Tribromophenol	0.269	0.273		1.5	
4-Bromophenyl-phenylether	0.220	0.209		-5.0	
Hexachlorobenzene	0.255	0.238		-6.7	
Atrazine	0.228	0.228		0.0	
Pentachlorophenol	0.161	0.169		5.0	20.0
Phenanthrene	1.099	1.058		-3.7	
Anthracene	1.122	1.113		-0.8	
Carbazole	1.057	1.064		0.7	
Di-n-butylphthalate	1.300	1.314		1.1	
Fluoranthene	1.311	1.296		-1.1	20.0
Pyrene	1.300	1.255		-3.5	
Terphenyl-d14	1.093	1.041		-4.8	
Butylbenzylphthalate	0.589	0.607		3.1	
3,3-Dichlorobenzidine	0.497	0.497		0.0	
Benzo (a) anthracene	1.319	1.273		-3.5	
Chrysene	1.235	1.201		-2.8	
Bis(2-ethylhexyl)phthalate	0.867	0.866		-0.1	
Di-n-octyl phthalate	1.492	1.541		3.3	20.0
Benzo (b) fluoranthene	1.179	1.115		-5.4	
Benzo (k) fluoranthene	1.180	1.139		-3.5	
Benzo (a) pyrene	1.148	1.107		-3.6	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.402		-4.4	
Dibenzo (a,h) anthracene	1.199	1.138		-5.1	
Benzo (g,h,i) perylene	1.178	1.141		-3.1	
1,2,4,5-Tetrachlorobenzene	0.578	0.548		-5.2	
1,4-Dioxane	0.472	0.461		-2.3	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.381		1.1	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>PORT06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2934</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/25/2025 12:13</u>
Lab File ID:	<u>BP025561.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.230		2.2	
Benzaldehyde	1.082	1.338		23.7	
Phenol-d6	1.544	1.578		2.2	
Phenol	1.620	1.637		1.0	20.0
bis(2-Chloroethyl)ether	1.263	1.249		-1.1	
2-Chlorophenol	1.359	1.362		0.2	
2-Methylphenol	1.125	1.108		-1.5	
2,2-oxybis(1-Chloropropane)	1.692	1.716		1.4	
Acetophenone	0.502	0.490		-2.4	
3+4-Methylphenols	1.560	1.501		-3.8	
n-Nitroso-di-n-propylamine	1.023	0.970	0.050	-5.2	
Nitrobenzene-d5	0.395	0.399		1.0	
Hexachloroethane	0.563	0.547		-2.8	
Nitrobenzene	0.353	0.358		1.4	
Isophorone	0.700	0.668		-4.6	
2-Nitrophenol	0.181	0.186		2.8	20.0
2,4-Dimethylphenol	0.312	0.304		-2.6	
bis(2-Chloroethoxy)methane	0.423	0.405		-4.3	
2,4-Dichlorophenol	0.310	0.306		-1.3	20.0
Naphthalene	1.040	1.011		-2.8	
4-Chloroaniline	0.459	0.446		-2.8	
Hexachlorobutadiene	0.211	0.197		-6.6	20.0
Caprolactam	0.114	0.111		-2.6	
4-Chloro-3-methylphenol	0.355	0.342		-3.7	20.0
2-Methylnaphthalene	0.676	0.636		-5.9	
Hexachlorocyclopentadiene	0.349	0.387	0.050	10.9	
2,4,6-Trichlorophenol	0.390	0.396		1.5	20.0
2-Fluorobiphenyl	1.463	1.453		-0.7	
2,4,5-Trichlorophenol	0.427	0.435		1.9	
1,1-Biphenyl	1.453	1.456		0.2	
2-Chloronaphthalene	1.131	1.146		1.3	
2-Nitroaniline	0.329	0.351		6.7	
Dimethylphthalate	1.465	1.428		-2.5	
Acenaphthylene	1.871	1.872		0.1	
2,6-Dinitrotoluene	0.309	0.318		2.9	
3-Nitroaniline	0.347	0.364		4.9	
Acenaphthene	1.098	1.074		-2.2	20.0
2,4-Dinitrophenol	0.165	0.220	0.050	33.3	
4-Nitrophenol	0.285	0.297	0.050	4.2	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>PORT06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2934</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/25/2025 12:13</u>
Lab File ID:	<u>BP025561.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.714		-1.3	
2,4-Dinitrotoluene	0.440	0.461		4.8	
Diethylphthalate	1.488	1.451		-2.5	
4-Chlorophenyl-phenylether	0.681	0.659		-3.2	
Fluorene	1.370	1.353		-1.2	
4-Nitroaniline	0.356	0.380		6.7	
4,6-Dinitro-2-methylphenol	0.125	0.147		17.6	
n-Nitrosodiphenylamine	0.610	0.601		-1.5	20.0
2,4,6-Tribromophenol	0.269	0.270		0.4	
4-Bromophenyl-phenylether	0.220	0.213		-3.2	
Hexachlorobenzene	0.255	0.243		-4.7	
Atrazine	0.228	0.221		-3.1	
Pentachlorophenol	0.161	0.156		-3.1	20.0
Phenanthrene	1.099	1.083		-1.5	
Anthracene	1.122	1.113		-0.8	
Carbazole	1.057	1.061		0.4	
Di-n-butylphthalate	1.300	1.268		-2.5	
Fluoranthene	1.311	1.276		-2.7	20.0
Pyrene	1.300	1.273		-2.1	
Terphenyl-d14	1.093	1.041		-4.8	
Butylbenzylphthalate	0.589	0.574		-2.5	
3,3-Dichlorobenzidine	0.497	0.487		-2.0	
Benzo (a) anthracene	1.319	1.282		-2.8	
Chrysene	1.235	1.205		-2.4	
Bis(2-ethylhexyl)phthalate	0.867	0.799		-7.8	
Di-n-octyl phthalate	1.492	1.388		-7.0	20.0
Benzo (b) fluoranthene	1.179	1.144		-3.0	
Benzo (k) fluoranthene	1.180	1.167		-1.1	
Benzo (a) pyrene	1.148	1.140		-0.7	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.451		-1.1	
Dibenzo (a,h) anthracene	1.199	1.203		0.3	
Benzo (g,h,i) perylene	1.178	1.174		-0.3	
1,2,4,5-Tetrachlorobenzene	0.578	0.586		1.4	
1,4-Dioxane	0.472	0.466		-1.3	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.380		0.8	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>PORT06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2934</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/26/2025 10:21</u>
Lab File ID:	<u>BP025579.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.238		2.8	
Benzaldehyde	1.082	1.311		21.2	
Phenol-d6	1.544	1.536		-0.5	
Phenol	1.620	1.579		-2.5	20.0
bis(2-Chloroethyl)ether	1.263	1.232		-2.5	
2-Chlorophenol	1.359	1.354		-0.4	
2-Methylphenol	1.125	1.095		-2.7	
2,2-oxybis(1-Chloropropane)	1.692	1.682		-0.6	
Acetophenone	0.502	0.498		-0.8	
3+4-Methylphenols	1.560	1.460		-6.4	
n-Nitroso-di-n-propylamine	1.023	0.944	0.050	-7.7	
Nitrobenzene-d5	0.395	0.403		2.0	
Hexachloroethane	0.563	0.567		0.7	
Nitrobenzene	0.353	0.356		0.9	
Isophorone	0.700	0.679		-3.0	
2-Nitrophenol	0.181	0.189		4.4	20.0
2,4-Dimethylphenol	0.312	0.308		-1.3	
bis(2-Chloroethoxy)methane	0.423	0.409		-3.3	
2,4-Dichlorophenol	0.310	0.308		-0.6	20.0
Naphthalene	1.040	1.016		-2.3	
4-Chloroaniline	0.459	0.440		-4.1	
Hexachlorobutadiene	0.211	0.212		0.5	20.0
Caprolactam	0.114	0.106		-7.0	
4-Chloro-3-methylphenol	0.355	0.344		-3.1	20.0
2-Methylnaphthalene	0.676	0.650		-3.8	
Hexachlorocyclopentadiene	0.349	0.378	0.050	8.3	
2,4,6-Trichlorophenol	0.390	0.414		6.2	20.0
2-Fluorobiphenyl	1.463	1.454		-0.6	
2,4,5-Trichlorophenol	0.427	0.455		6.6	
1,1-Biphenyl	1.453	1.465		0.8	
2-Chloronaphthalene	1.131	1.145		1.2	
2-Nitroaniline	0.329	0.352		7.0	
Dimethylphthalate	1.465	1.457		-0.5	
Acenaphthylene	1.871	1.885		0.7	
2,6-Dinitrotoluene	0.309	0.317		2.6	
3-Nitroaniline	0.347	0.352		1.4	
Acenaphthene	1.098	1.071		-2.5	20.0
2,4-Dinitrophenol	0.165	0.206	0.050	24.8	
4-Nitrophenol	0.285	0.275	0.050	-3.5	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>PORT06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2934</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/26/2025 10:21</u>
Lab File ID:	<u>BP025579.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.708		-1.6	
2,4-Dinitrotoluene	0.440	0.449		2.0	
Diethylphthalate	1.488	1.476		-0.8	
4-Chlorophenyl-phenylether	0.681	0.673		-1.2	
Fluorene	1.370	1.330		-2.9	
4-Nitroaniline	0.356	0.360		1.1	
4,6-Dinitro-2-methylphenol	0.125	0.142		13.6	
n-Nitrosodiphenylamine	0.610	0.600		-1.6	20.0
2,4,6-Tribromophenol	0.269	0.279		3.7	
4-Bromophenyl-phenylether	0.220	0.223		1.4	
Hexachlorobenzene	0.255	0.259		1.6	
Atrazine	0.228	0.224		-1.8	
Pentachlorophenol	0.161	0.160		-0.6	20.0
Phenanthrene	1.099	1.075		-2.2	
Anthracene	1.122	1.109		-1.2	
Carbazole	1.057	1.018		-3.7	
Di-n-butylphthalate	1.300	1.288		-0.9	
Fluoranthene	1.311	1.234		-5.9	20.0
Pyrene	1.300	1.297		-0.2	
Terphenyl-d14	1.093	1.098		0.5	
Butylbenzylphthalate	0.589	0.609		3.4	
3,3-Dichlorobenzidine	0.497	0.499		0.4	
Benzo (a) anthracene	1.319	1.294		-1.9	
Chrysene	1.235	1.223		-1.0	
Bis(2-ethylhexyl)phthalate	0.867	0.871		0.5	
Di-n-octyl phthalate	1.492	1.545		3.6	20.0
Benzo (b) fluoranthene	1.179	1.158		-1.8	
Benzo (k) fluoranthene	1.180	1.141		-3.3	
Benzo (a) pyrene	1.148	1.118		-2.6	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.442		-1.7	
Dibenzo (a,h) anthracene	1.199	1.179		-1.7	
Benzo (g,h,i) perylene	1.178	1.147		-2.6	
1,2,4,5-Tetrachlorobenzene	0.578	0.600		3.8	
1,4-Dioxane	0.472	0.478		1.3	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.382		1.3	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>PORT06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2934</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/27/2025 09:39</u>
Lab File ID:	<u>BP025596.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.204		0.0	
Benzaldehyde	1.082	1.320		22.0	
Phenol-d6	1.544	1.563		1.2	
Phenol	1.620	1.636		1.0	20.0
bis(2-Chloroethyl)ether	1.263	1.242		-1.7	
2-Chlorophenol	1.359	1.356		-0.2	
2-Methylphenol	1.125	1.127		0.2	
2,2-oxybis(1-Chloropropane)	1.692	1.723		1.8	
Acetophenone	0.502	0.496		-1.2	
3+4-Methylphenols	1.560	1.513		-3.0	
n-Nitroso-di-n-propylamine	1.023	1.032	0.050	0.9	
Nitrobenzene-d5	0.395	0.395		0.0	
Hexachloroethane	0.563	0.563		0.0	
Nitrobenzene	0.353	0.352		-0.3	
Isophorone	0.700	0.708		1.1	
2-Nitrophenol	0.181	0.187		3.3	20.0
2,4-Dimethylphenol	0.312	0.310		-0.6	
bis(2-Chloroethoxy)methane	0.423	0.417		-1.4	
2,4-Dichlorophenol	0.310	0.310		0.0	20.0
Naphthalene	1.040	1.018		-2.1	
4-Chloroaniline	0.459	0.458		-0.2	
Hexachlorobutadiene	0.211	0.206		-2.4	20.0
Caprolactam	0.114	0.121		6.1	
4-Chloro-3-methylphenol	0.355	0.363		2.3	20.0
2-Methylnaphthalene	0.676	0.657		-2.8	
Hexachlorocyclopentadiene	0.349	0.280	0.050	-19.8	
2,4,6-Trichlorophenol	0.390	0.385		-1.3	20.0
2-Fluorobiphenyl	1.463	1.415		-3.3	
2,4,5-Trichlorophenol	0.427	0.424		-0.7	
1,1-Biphenyl	1.453	1.400		-3.6	
2-Chloronaphthalene	1.131	1.094		-3.3	
2-Nitroaniline	0.329	0.360		9.4	
Dimethylphthalate	1.465	1.499		2.3	
Acenaphthylene	1.871	1.827		-2.4	
2,6-Dinitrotoluene	0.309	0.331		7.1	
3-Nitroaniline	0.347	0.364		4.9	
Acenaphthene	1.098	1.046		-4.7	20.0
2,4-Dinitrophenol	0.165	0.204	0.050	23.6	
4-Nitrophenol	0.285	0.275	0.050	-3.5	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>PORT06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2934</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/27/2025 09:39</u>
Lab File ID:	<u>BP025596.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.718		-1.0	
2,4-Dinitrotoluene	0.440	0.481		9.3	
Diethylphthalate	1.488	1.550		4.2	
4-Chlorophenyl-phenylether	0.681	0.690		1.3	
Fluorene	1.370	1.386		1.2	
4-Nitroaniline	0.356	0.391		9.8	
4,6-Dinitro-2-methylphenol	0.125	0.142		13.6	
n-Nitrosodiphenylamine	0.610	0.593		-2.8	20.0
2,4,6-Tribromophenol	0.269	0.296		10.0	
4-Bromophenyl-phenylether	0.220	0.217		-1.4	
Hexachlorobenzene	0.255	0.256		0.4	
Atrazine	0.228	0.234		2.6	
Pentachlorophenol	0.161	0.155		-3.7	20.0
Phenanthrene	1.099	1.066		-3.0	
Anthracene	1.122	1.113		-0.8	
Carbazole	1.057	1.047		-0.9	
Di-n-butylphthalate	1.300	1.367		5.2	
Fluoranthene	1.311	1.324		1.0	20.0
Pyrene	1.300	1.296		-0.3	
Terphenyl-d14	1.093	1.122		2.7	
Butylbenzylphthalate	0.589	0.630		7.0	
3,3-Dichlorobenzidine	0.497	0.494		-0.6	
Benzo (a) anthracene	1.319	1.299		-1.5	
Chrysene	1.235	1.231		-0.3	
Bis(2-ethylhexyl)phthalate	0.867	0.884		2.0	
Di-n-octyl phthalate	1.492	1.545		3.6	20.0
Benzo (b) fluoranthene	1.179	1.165		-1.2	
Benzo (k) fluoranthene	1.180	1.169		-0.9	
Benzo (a) pyrene	1.148	1.139		-0.8	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.427		-2.7	
Dibenzo (a,h) anthracene	1.199	1.176		-1.9	
Benzo (g,h,i) perylene	1.178	1.148		-2.5	
1,2,4,5-Tetrachlorobenzene	0.578	0.565		-2.2	
1,4-Dioxane	0.472	0.463		-1.9	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.394		4.5	

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Time: Aug 25 01:18:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

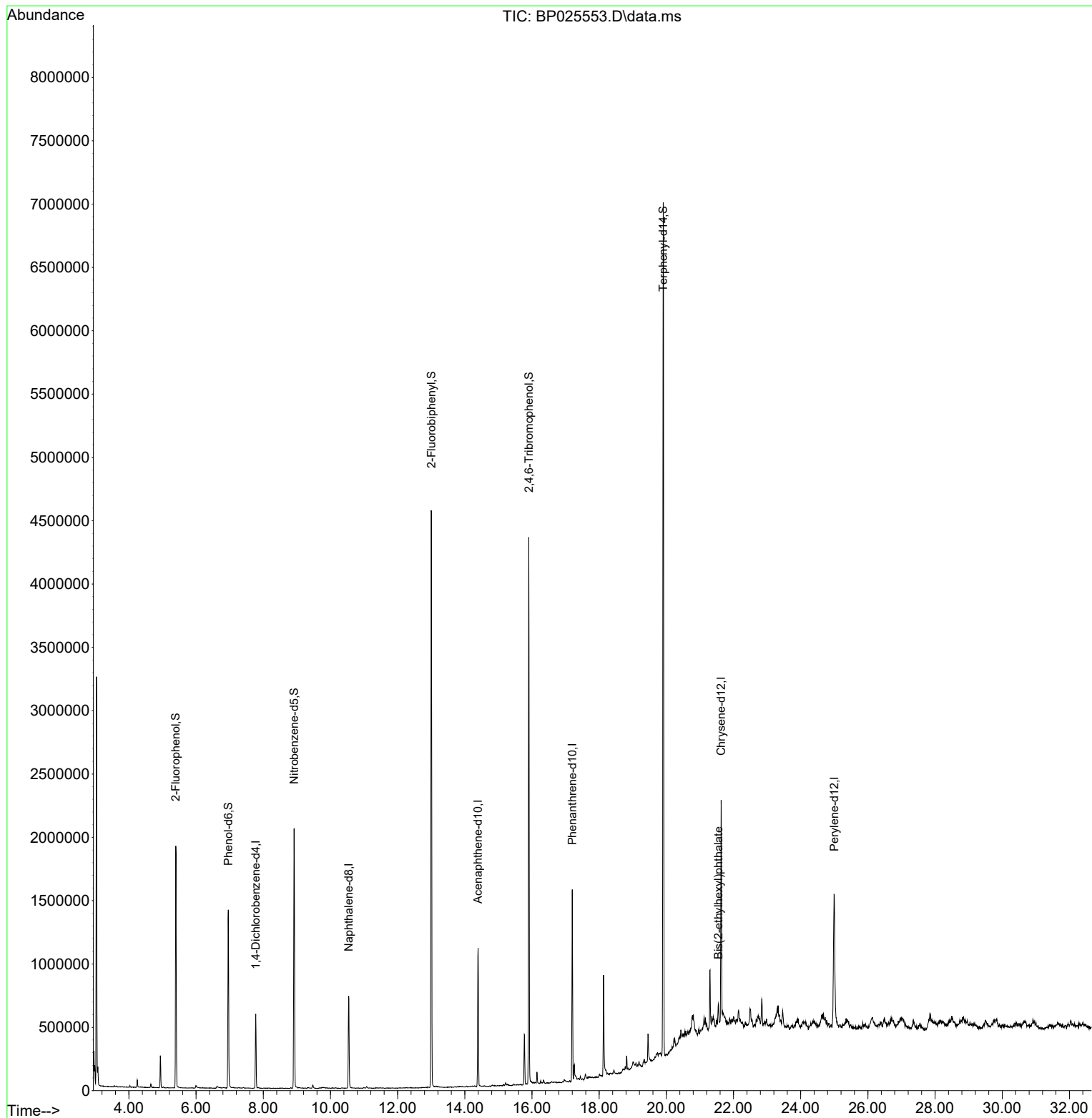
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	164036	20.000	ng	-0.02
21) Naphthalene-d8	10.542	136	640301	20.000	ng	-0.02
39) Acenaphthene-d10	14.395	164	399889	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	848268	20.000	ng	0.00
76) Chrysene-d12	21.630	240	933136	20.000	ng	-0.02
86) Perylene-d12	25.000	264	1075182	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.396	112	838689	84.909	ng	-0.01
7) Phenol-d6	6.960	99	823417	65.021	ng	0.00
23) Nitrobenzene-d5	8.919	82	1188559	93.899	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	826479	153.548	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	2578138	88.112	ng	-0.01
79) Terphenyl-d14	19.907	244	4120848	80.796	ng	-0.01
Target Compounds						
84) Bis(2-ethylhexyl)phtha...	21.548	149	84965	2.100	ng	Qvalue # 98

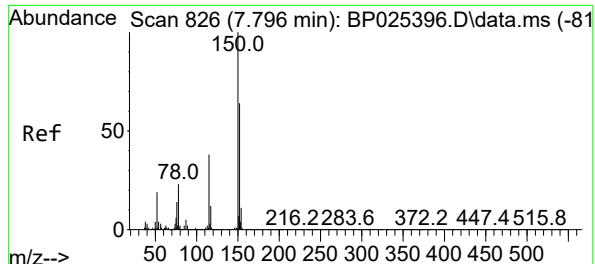
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Time: Aug 25 01:18:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

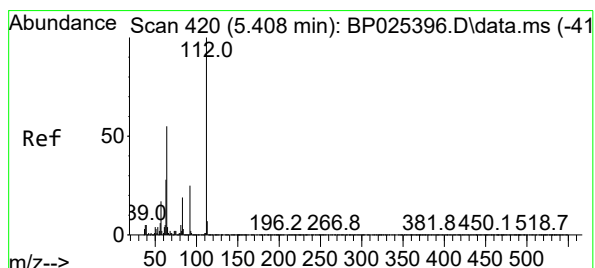
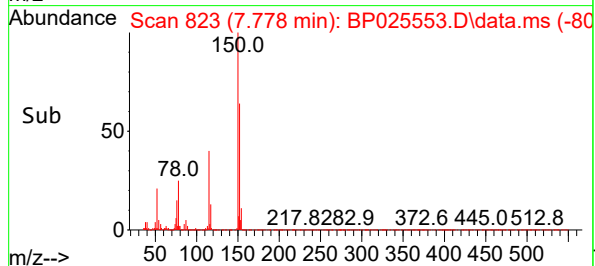
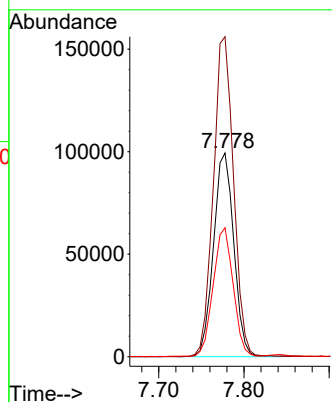
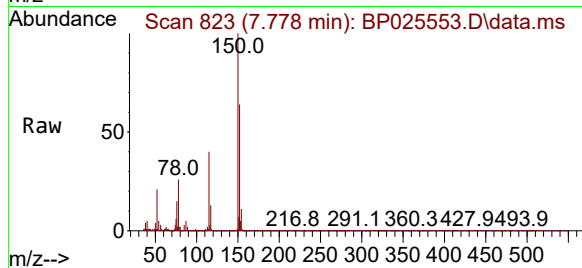




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

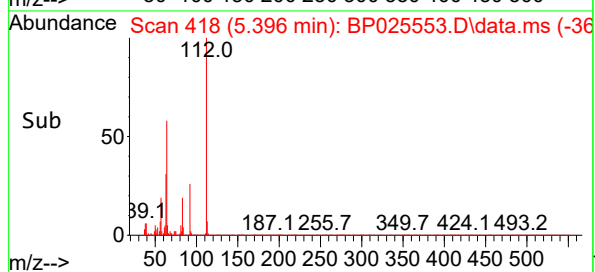
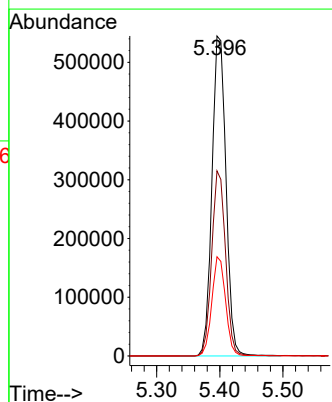
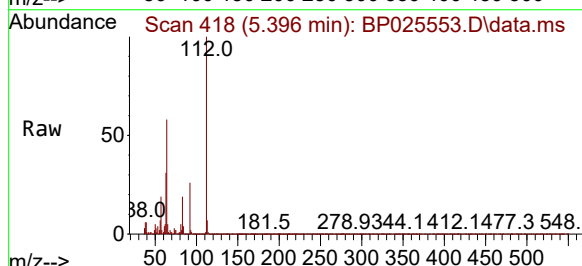
Instrument :
BNA_P
ClientSampleId :
ENV-SW01

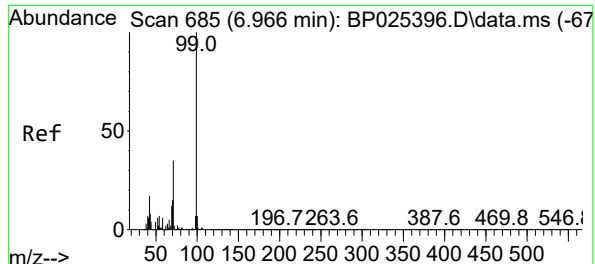
Tgt Ion:152 Resp: 164036
Ion Ratio Lower Upper
152 100
150 157.1 125.9 188.9
115 63.3 48.5 72.7



#5
2-Fluorophenol
Concen: 84.909 ng
RT: 5.396 min Scan# 418
Delta R.T. -0.012 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Tgt Ion:112 Resp: 838689
Ion Ratio Lower Upper
112 100
64 57.9 43.8 65.8
63 31.0 22.7 34.1

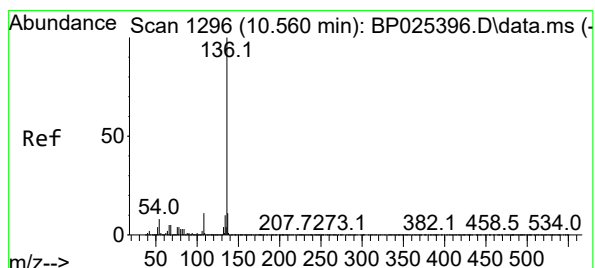
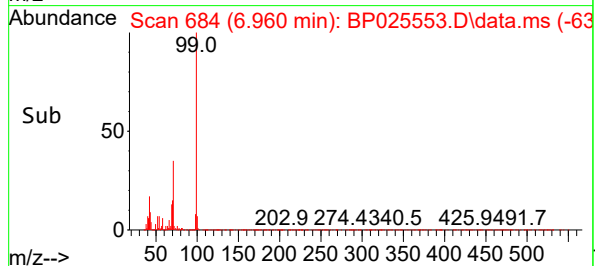
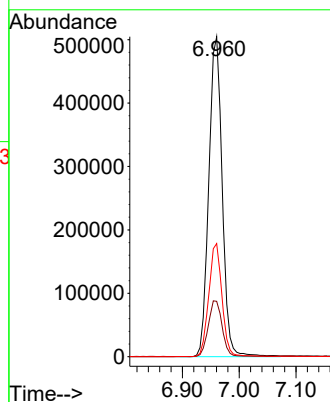
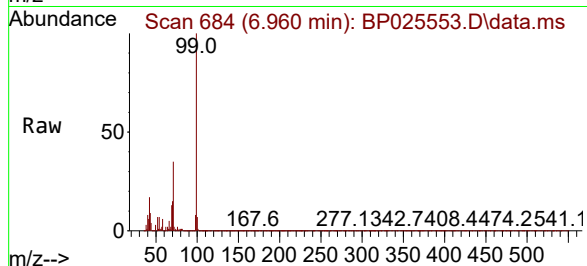




#7
Phenol-d6
Concen: 65.021 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

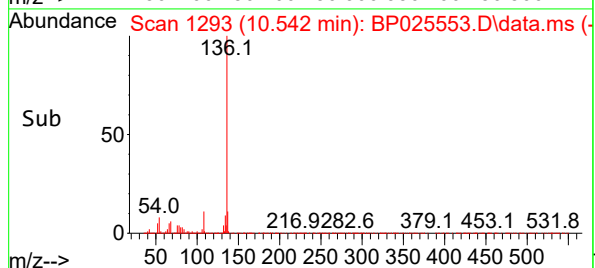
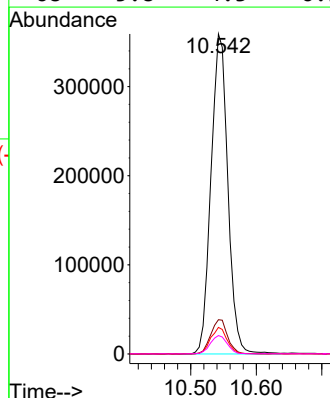
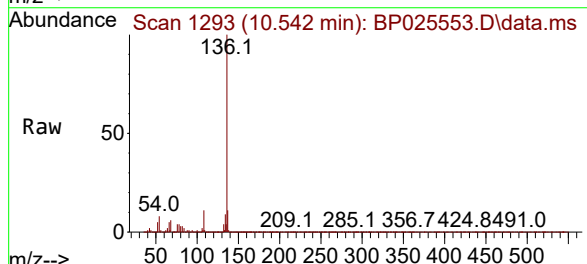
Instrument :
BNA_P
ClientSampleId :
ENV-SW01

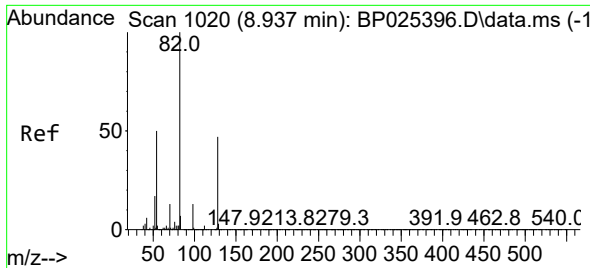
Tgt Ion: 99 Resp: 823417
Ion Ratio Lower Upper
99 100
42 17.3 13.7 20.5
71 35.4 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.542 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Tgt Ion: 136 Resp: 640301
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 8.3 6.0 9.0
68 5.8 4.3 6.5





#23

Nitrobenzene-d5

Concen: 93.899 ng

RT: 8.919 min Scan# 10

Delta R.T. -0.018 min

Lab File: BP025553.D

Acq: 22 Aug 2025 17:39

Instrument :

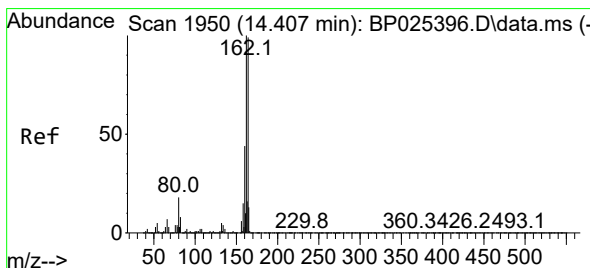
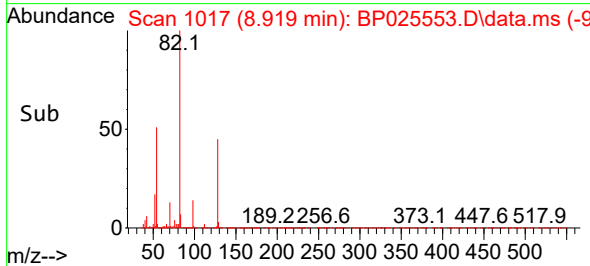
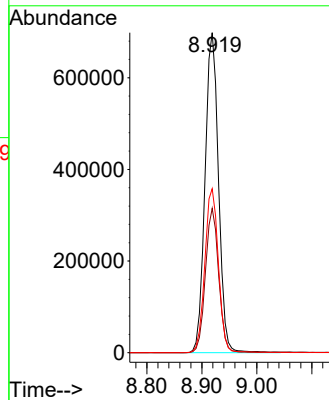
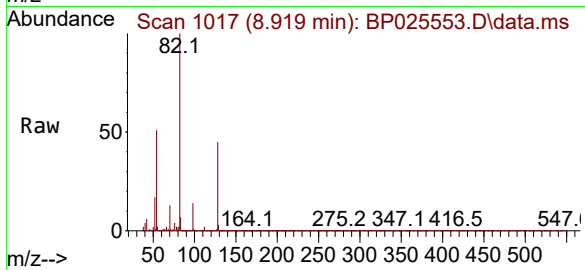
BNA_P

ClientSampleId :

ENV-SW01

Tgt Ion: 82 Resp: 1188559

Ion	Ratio	Lower	Upper
82	100		
128	45.1	37.7	56.5
54	51.3	39.8	59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.395 min Scan# 1948

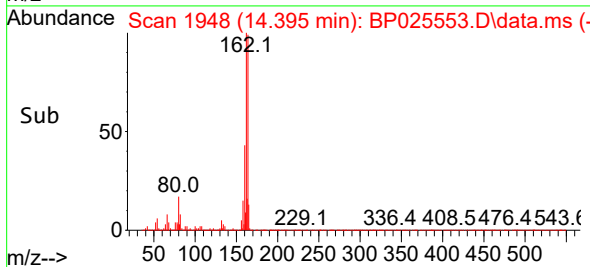
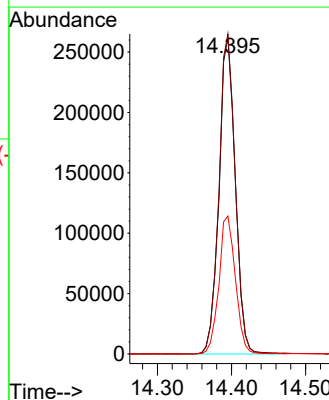
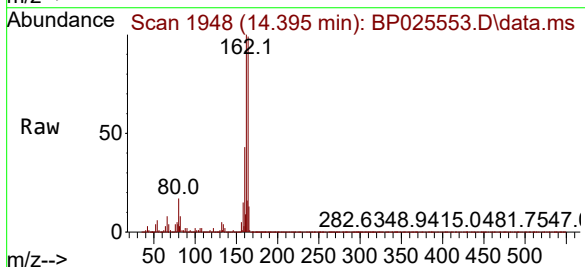
Delta R.T. -0.012 min

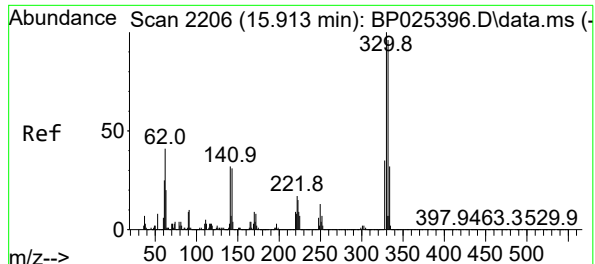
Lab File: BP025553.D

Acq: 22 Aug 2025 17:39

Tgt Ion: 164 Resp: 399889

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.0	121.6
160	43.6	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 153.548 ng

RT: 15.907 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025553.D

Acq: 22 Aug 2025 17:39

Instrument :

BNA_P

ClientSampleId :

ENV-SW01

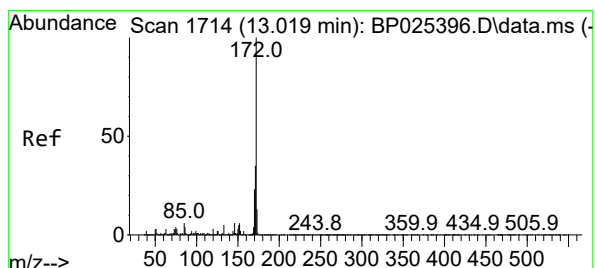
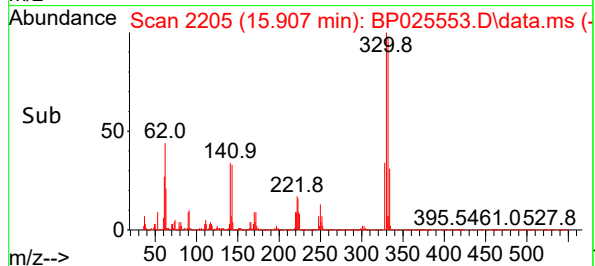
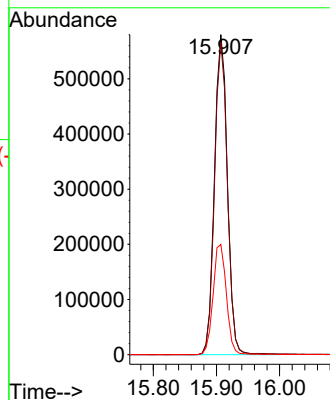
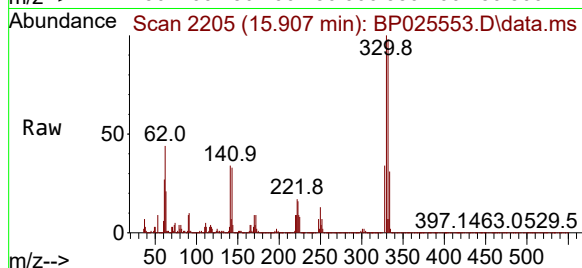
Tgt Ion:330 Resp: 826479

Ion Ratio Lower Upper

330 100

332 97.3 77.3 115.9

141 35.3 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 88.112 ng

RT: 13.007 min Scan# 1712

Delta R.T. -0.012 min

Lab File: BP025553.D

Acq: 22 Aug 2025 17:39

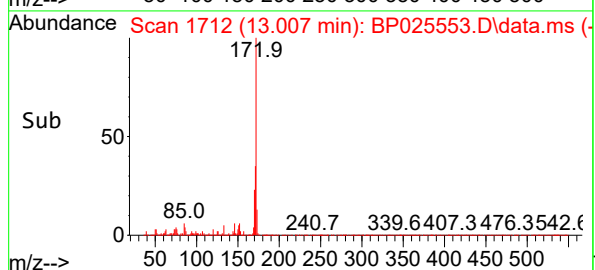
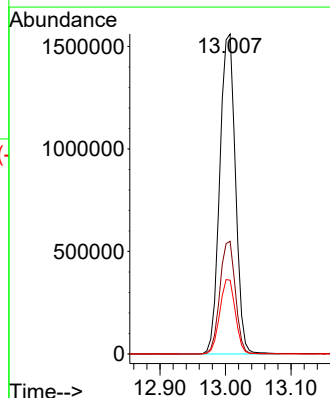
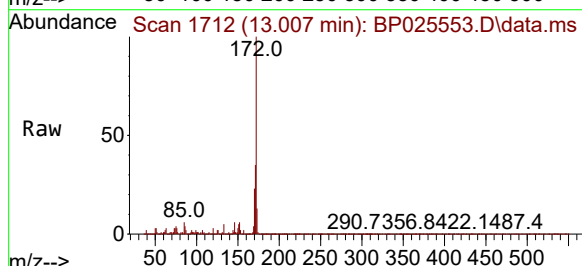
Tgt Ion:172 Resp: 2578138

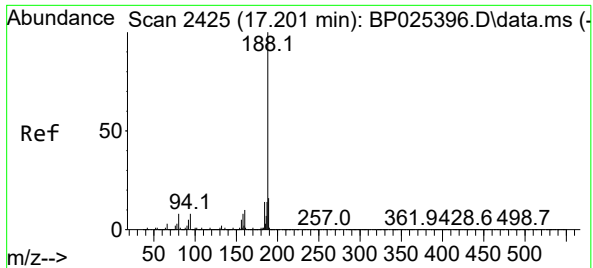
Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 23.0 18.6 28.0

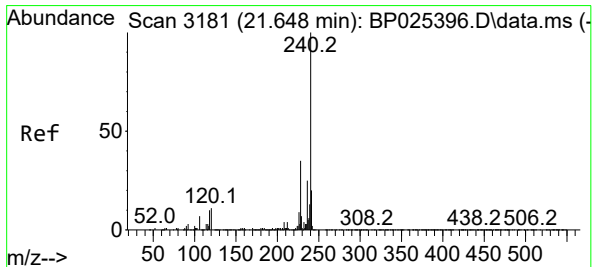
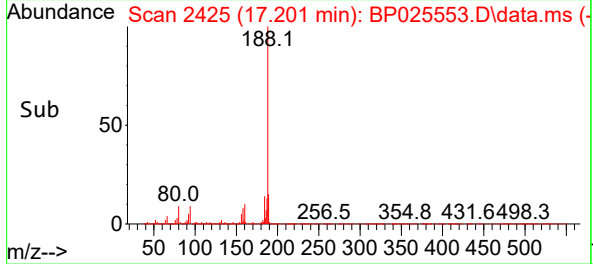
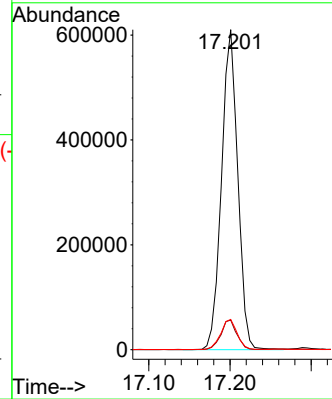
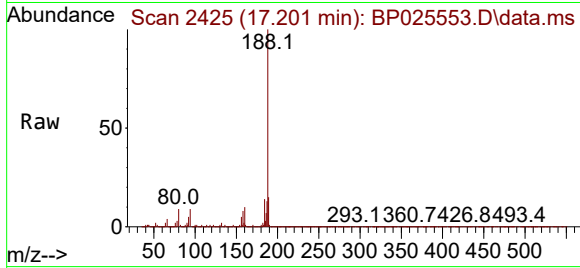




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

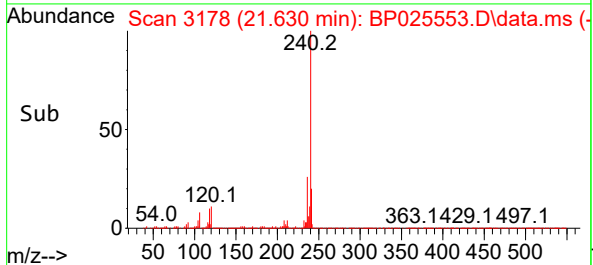
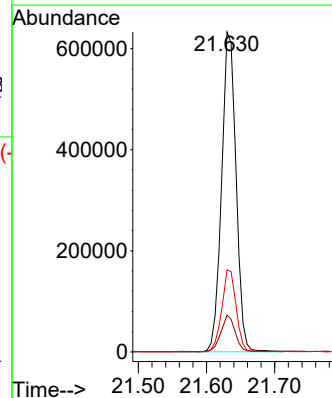
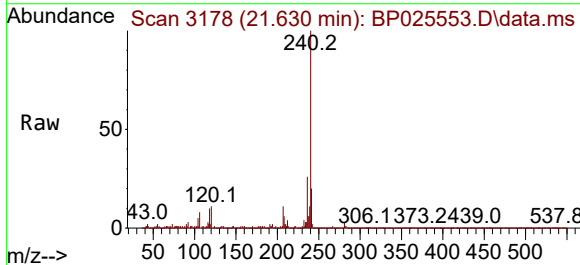
Instrument :
BNA_P
ClientSampleId :
ENV-SW01

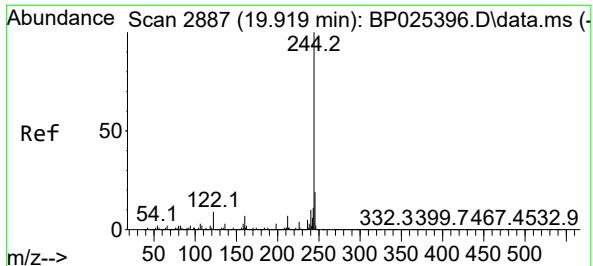
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.4	6.7	10.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.9	13.3
236	25.6	19.8	29.8

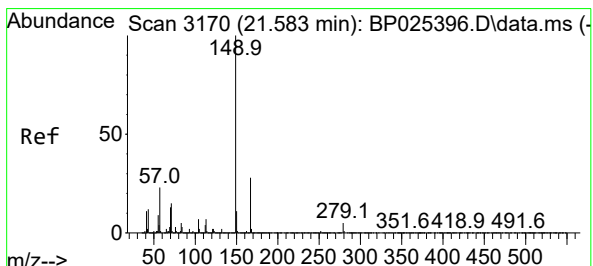
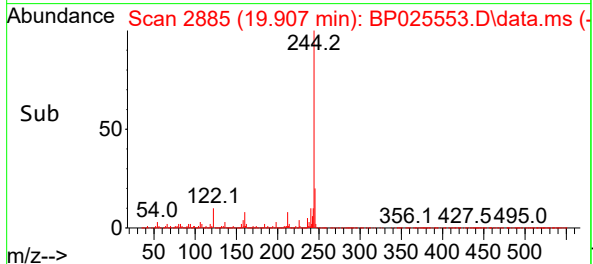
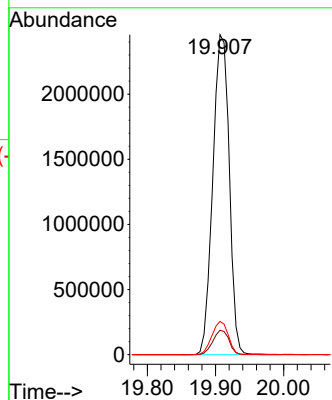
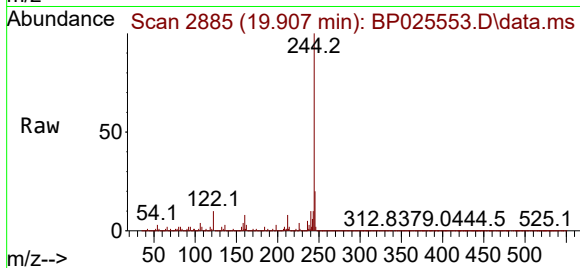




#79
 Terphenyl-d14
 Concen: 80.796 ng
 RT: 19.907 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP025553.D
 Acq: 22 Aug 2025 17:39

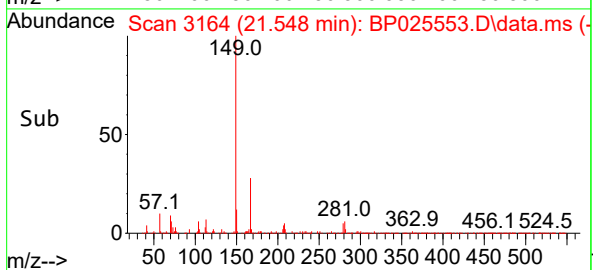
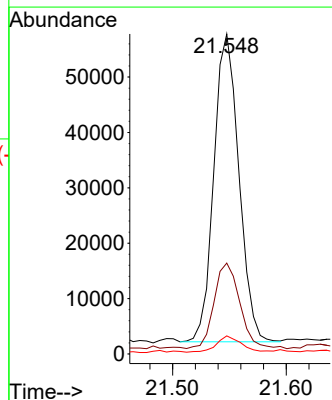
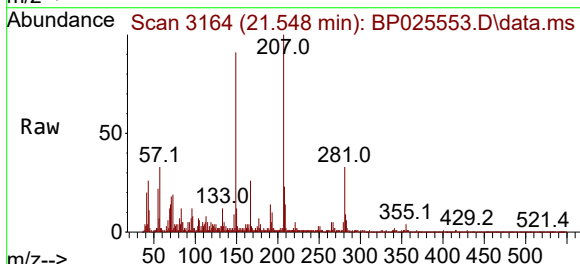
Instrument :
 BNA_P
 ClientSampleId :
 ENV-SW01

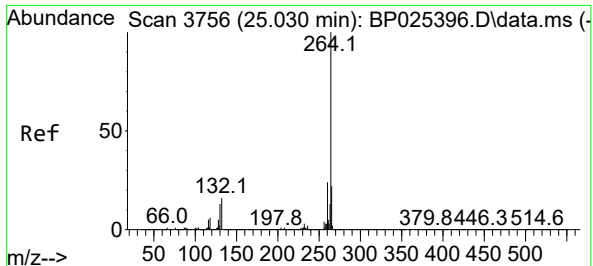
Tgt Ion:244 Resp: 4120848
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.6
 122 10.4 7.4 11.2



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.100 ng
 RT: 21.548 min Scan# 3164
 Delta R.T. -0.036 min
 Lab File: BP025553.D
 Acq: 22 Aug 2025 17:39

Tgt Ion:149 Resp: 84965
 Ion Ratio Lower Upper
 149 100
 167 28.4 22.1 33.1
 279 5.7 3.8 5.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.000 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP025553.D

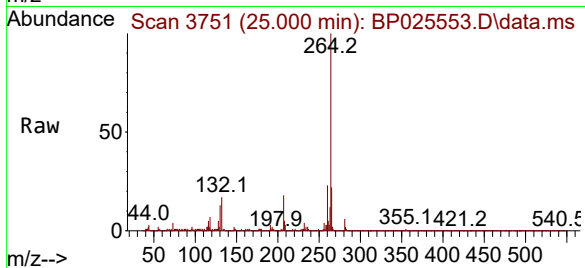
Acq: 22 Aug 2025 17:39

Instrument :

BNA_P

ClientSampleId :

ENV-SW01



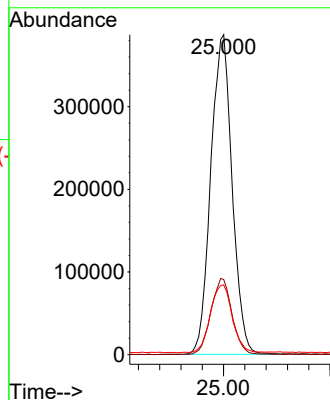
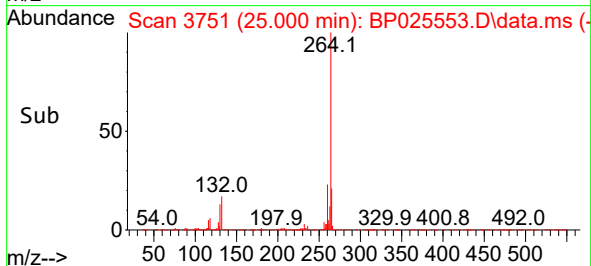
Tgt Ion:264 Resp: 1075182

Ion Ratio Lower Upper

264 100

260 23.5 19.3 28.9

265 21.8 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

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-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025553.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.984	6	8	12	rVB2	141802	148438	1.32%	0.278%
2	3.031	12	16	22	rVV	3216525	4005225	35.68%	7.494%
3	3.078	22	24	35	rVB	150948	176585	1.57%	0.330%
4	4.937	335	340	349	rVB	252618	360971	3.22%	0.675%
5	5.396	409	418	430	rBV	1910734	2914590	25.96%	5.454%
6	6.960	675	684	699	rBV	1407531	2354180	20.97%	4.405%
7	7.778	813	823	830	rBV	585418	966667	8.61%	1.809%
8	8.919	1009	1017	1029	rBV	2050887	3495102	31.13%	6.540%
9	10.542	1285	1293	1302	rBV	728722	1296566	11.55%	2.426%
10	13.001	1703	1711	1723	rBV	4557046	7565230	67.39%	14.156%
11	14.395	1941	1948	1955	rBV	1095571	1700826	15.15%	3.183%
12	15.771	2176	2182	2190	rBV	395577	628661	5.60%	1.176%
13	15.907	2198	2205	2215	rBV	4317802	6358137	56.64%	11.897%
14	16.148	2242	2246	2256	rVB	91308	127147	1.13%	0.238%
15	17.201	2419	2425	2430	rBV	1513735	2118400	18.87%	3.964%
16	17.260	2430	2435	2440	rBV3	110890	187265	1.67%	0.350%
17	18.130	2578	2583	2593	rBV	797685	1298616	11.57%	2.430%
18	18.818	2697	2700	2704	rVB	105563	120425	1.07%	0.225%
19	19.454	2805	2808	2819	rBV2	208193	323613	2.88%	0.606%
20	19.907	2879	2885	2894	rVB	6735600	11226276	100.00%	21.006%
21	21.301	3118	3122	3127	rBV	436304	613722	5.47%	1.148%
22	21.630	3173	3178	3184	rBV	1747238	2655256	23.65%	4.968%
23	24.995	3743	3750	3763	rVB	1011194	2800364	24.94%	5.240%

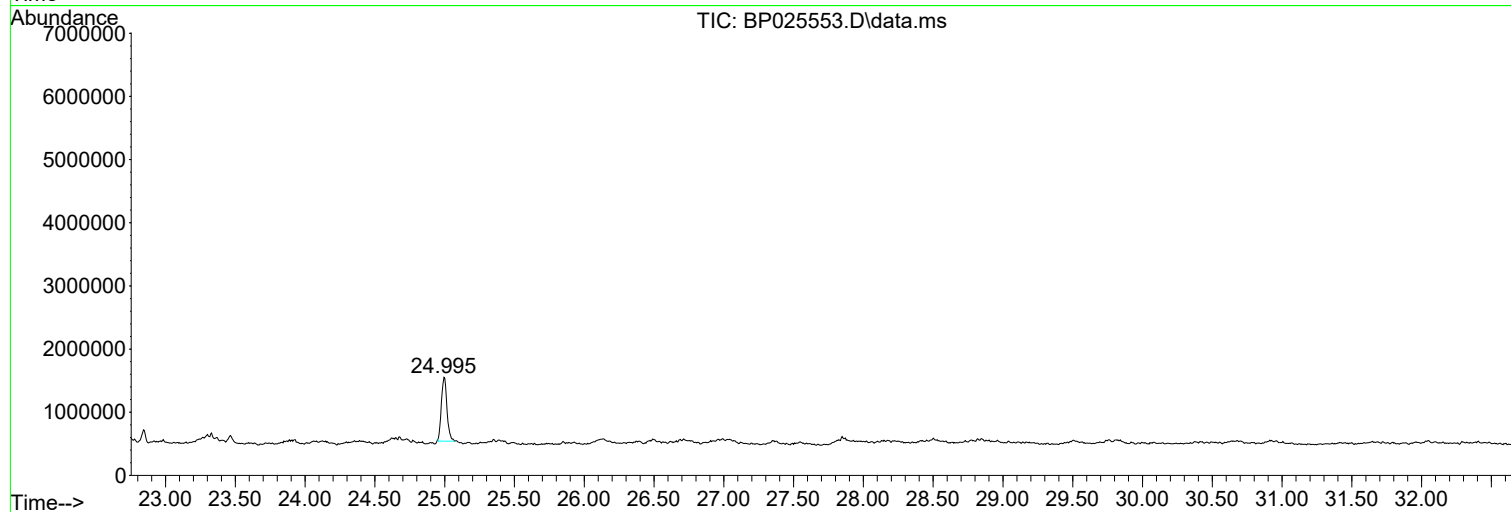
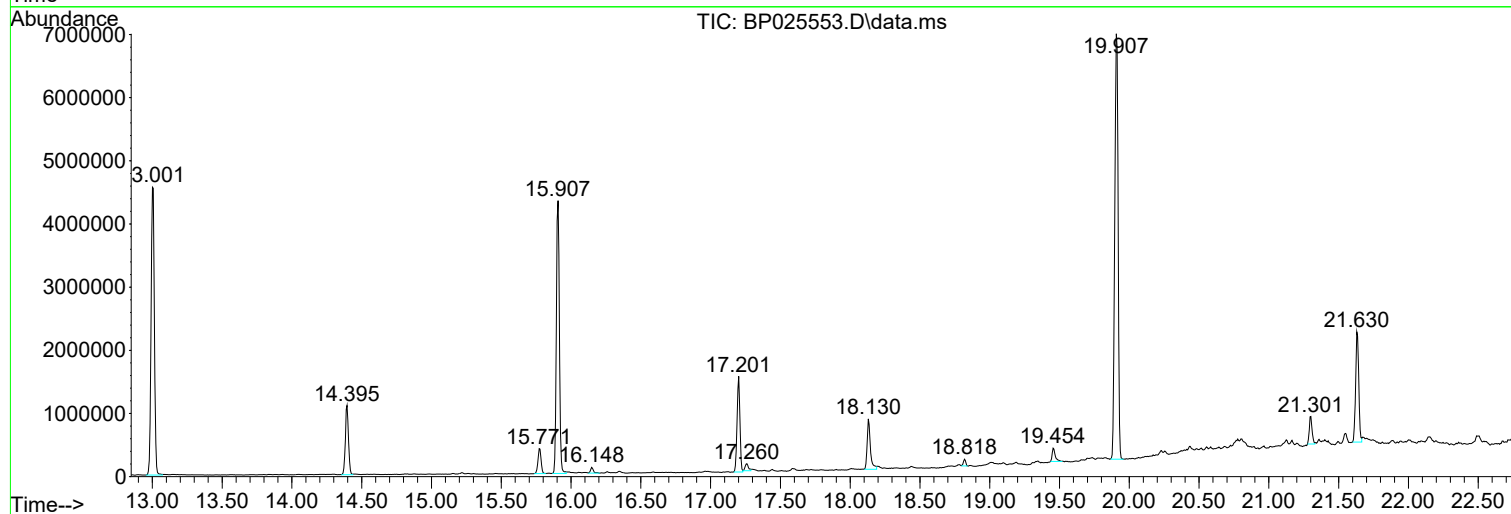
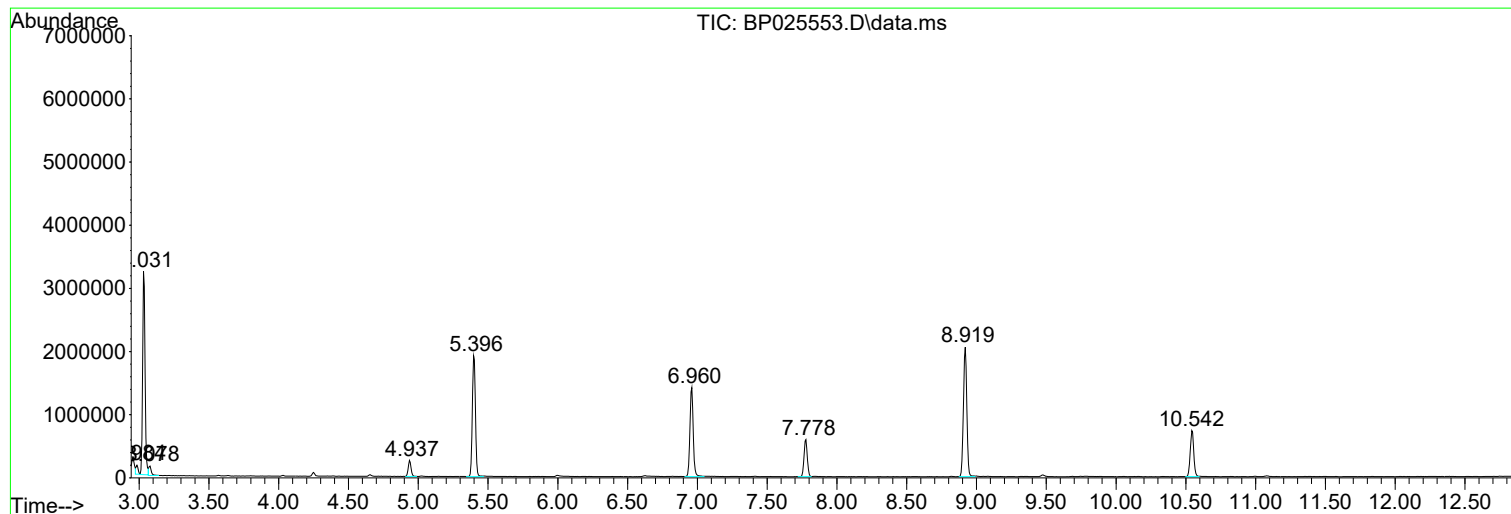
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Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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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



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Instrument :
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ClientSampleId :
ENV-SW01

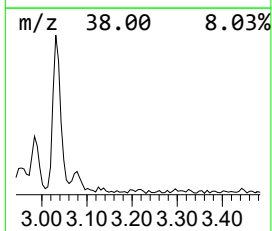
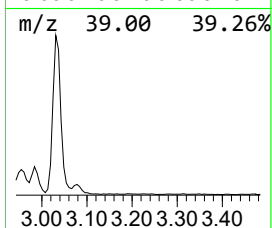
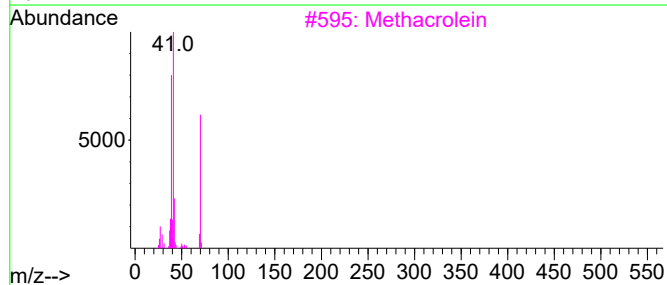
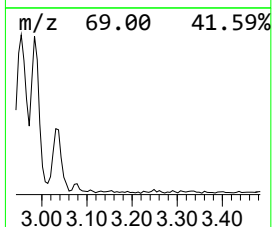
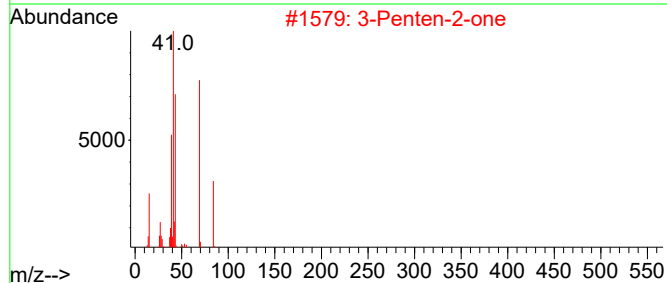
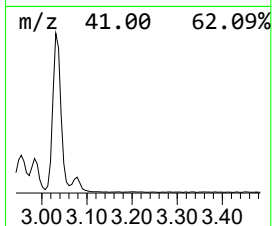
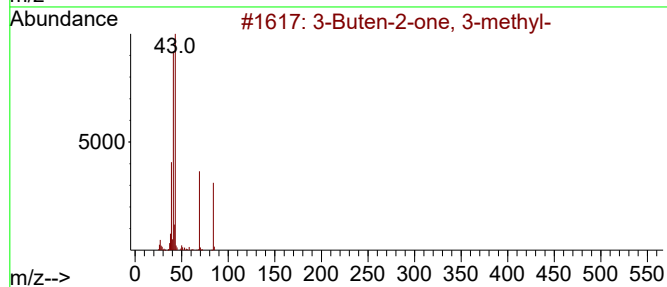
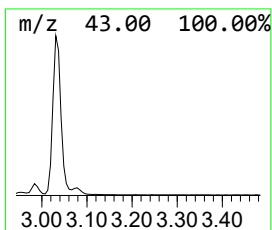
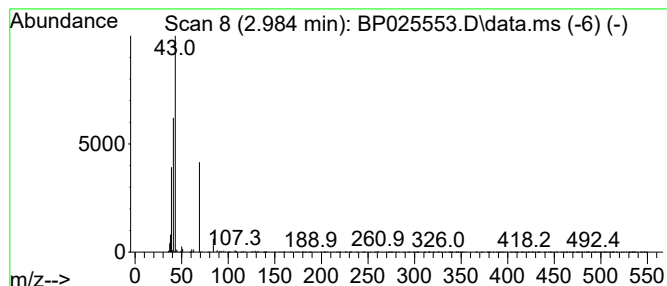
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown2.984 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.984	3.07 ng	148438	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	38
2			3-Penten-2-one	84	C5H8O	000625-33-2	36
3			Methacrolein	70	C4H6O	000078-85-3	9
4			Cyclopropanecarboxylic acid, met...	100	C5H8O2	002868-37-3	9
5			Cyclopropanecarboxylic acid, 5-f...	225	C10H8FN04	1000278-66-5	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
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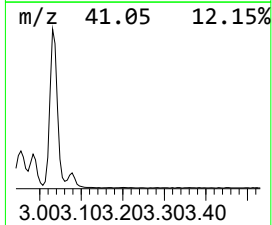
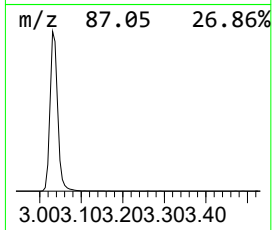
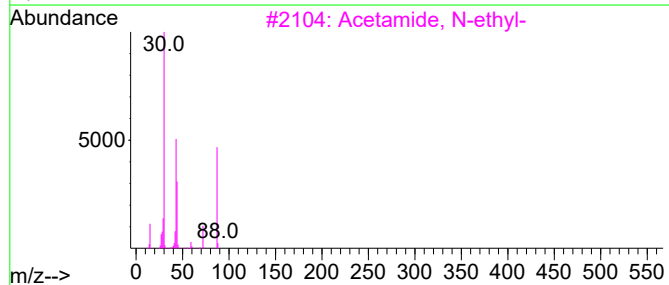
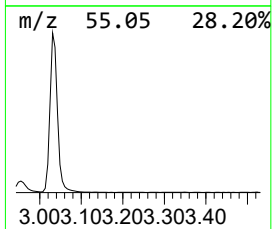
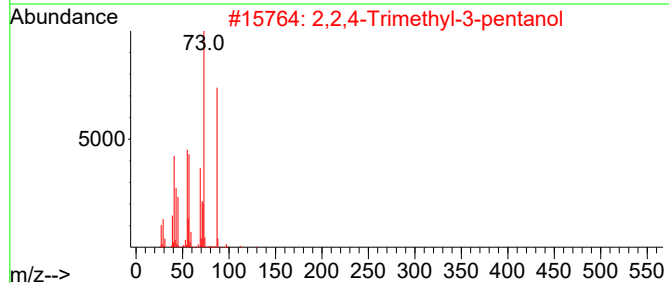
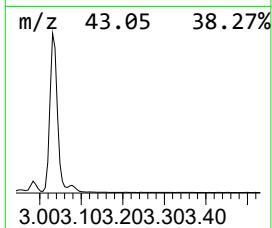
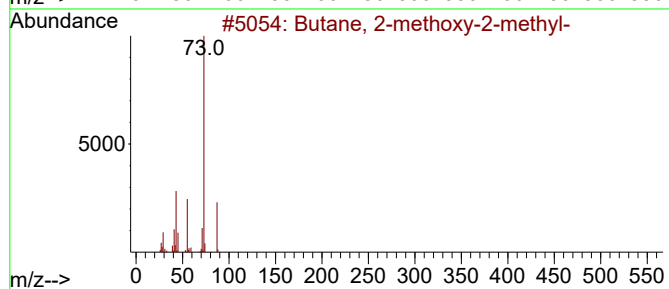
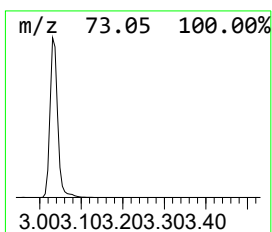
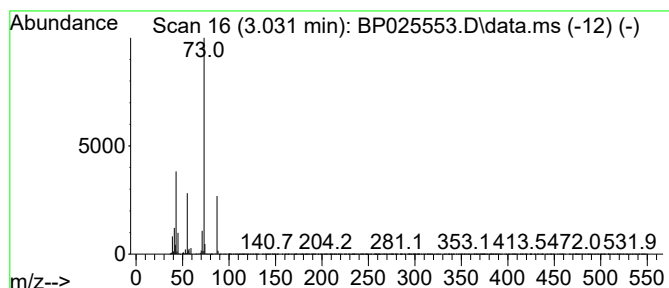
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	82.87 ng	4005230	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83		
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40		
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22		
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17		
5	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	17		



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
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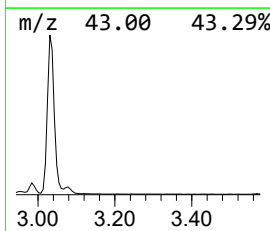
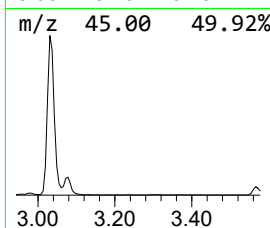
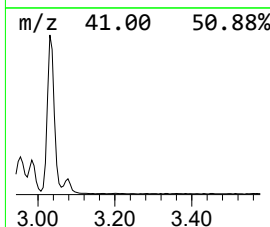
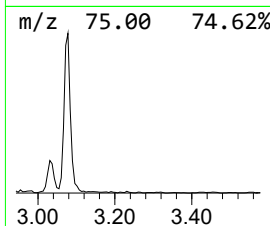
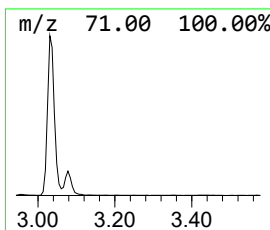
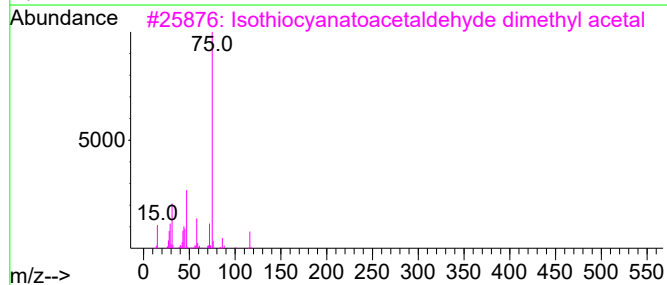
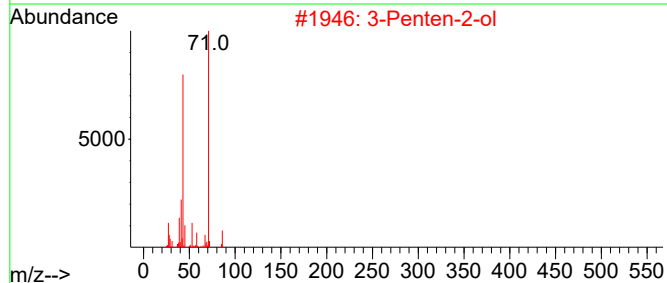
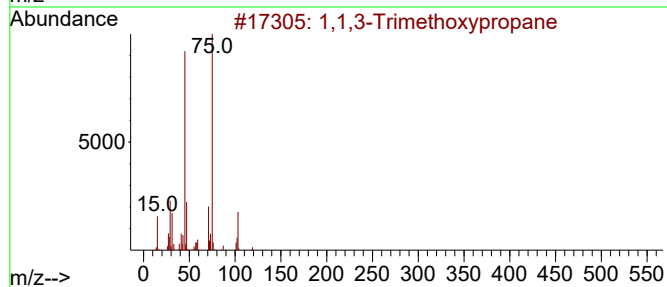
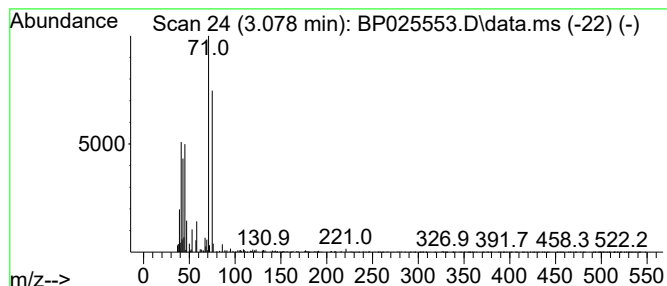
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown3.078 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.078	3.65 ng	176585	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1,3-Trimethoxypropane	134	C6H14O3	014315-97-0	28
2			3-Penten-2-ol	86	C5H10O	001569-50-2	27
3			Isothiocyanoacetaldehyde dimet...	147	C5H9NO2S	075052-04-9	25
4			3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	25
5			1,2,4-Butanetriol	106	C4H10O3	003068-00-6	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
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Instrument :
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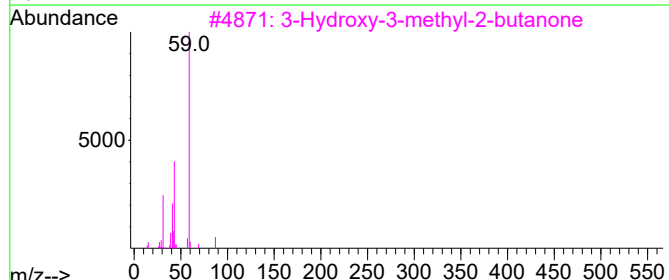
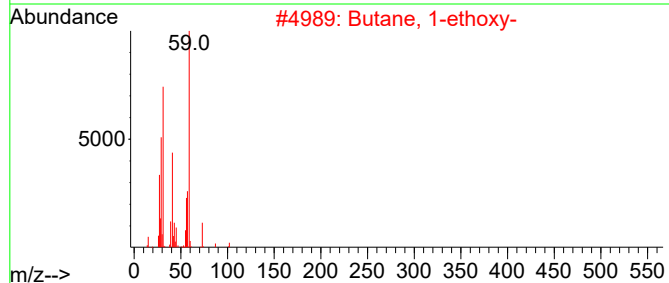
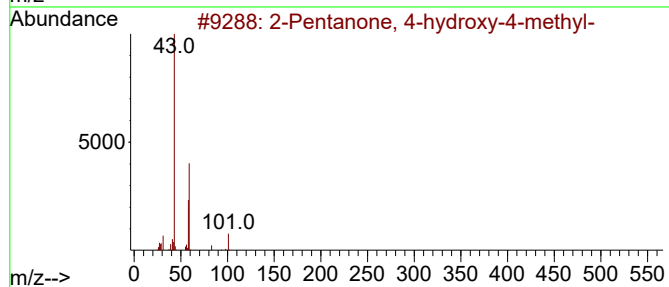
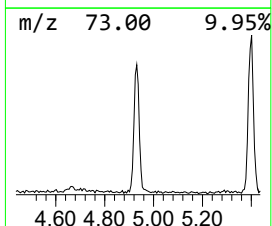
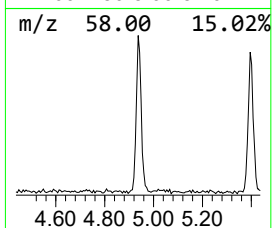
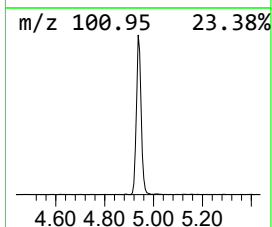
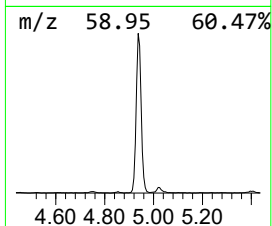
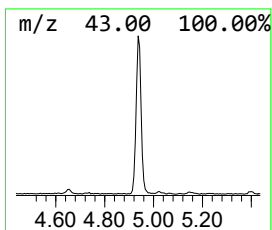
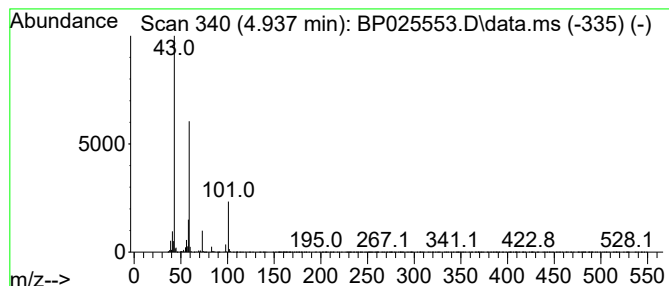
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.937	7.47 ng	360971	1,4-Dichlorobenzene-d4	7.778

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	23
3		3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	16
4		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	12
5		4-Methoxy-1-pentene	100	C6H12O	098386-09-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
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Misc :
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Instrument :
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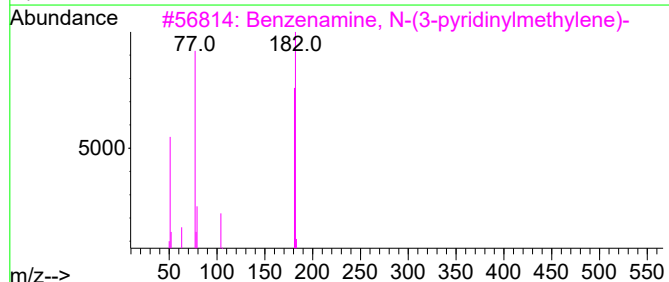
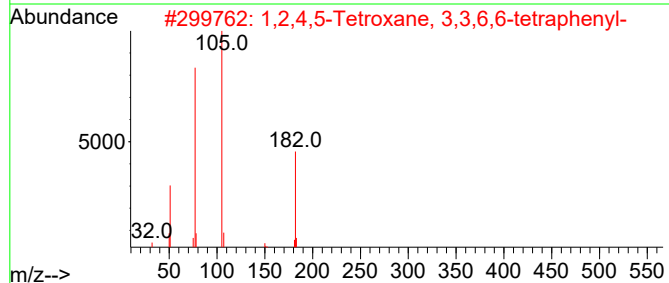
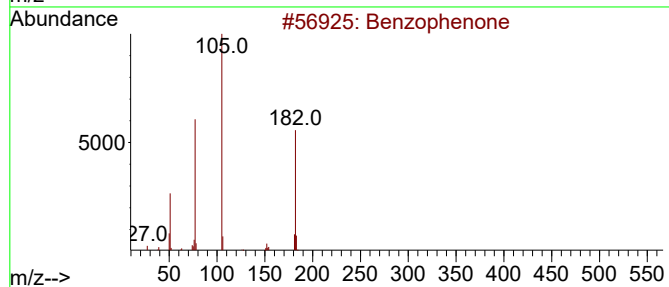
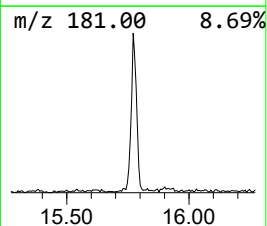
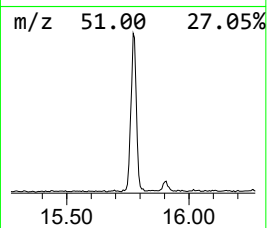
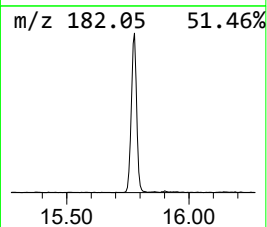
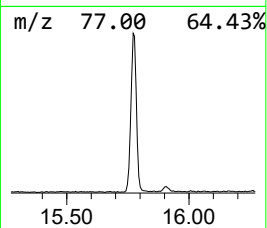
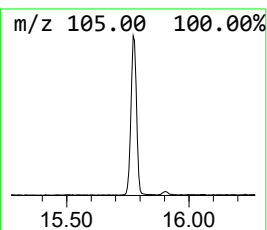
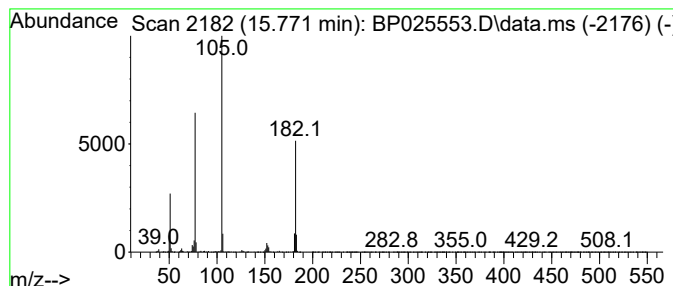
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.772	7.39 ng	628661	Acenaphthene-d10	14.395

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	59
4			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
5			Azobenzene	182	C12H10N2	000103-33-3	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
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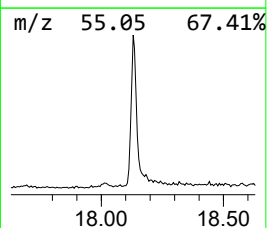
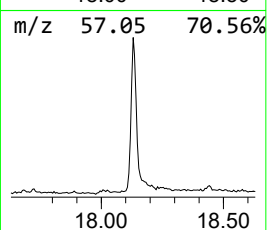
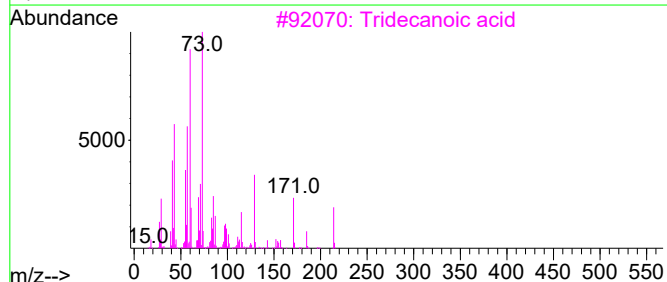
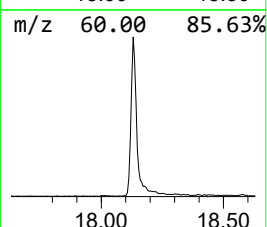
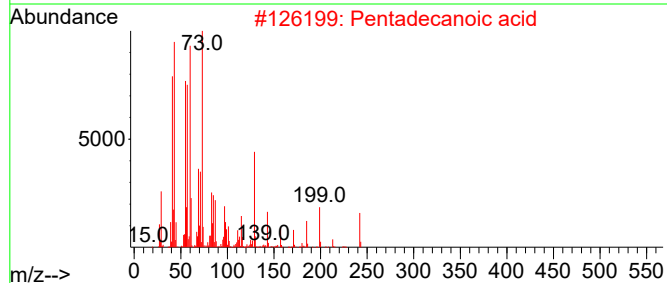
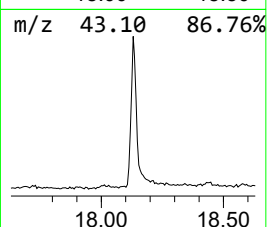
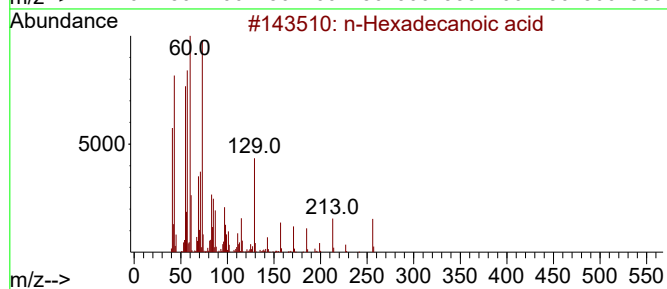
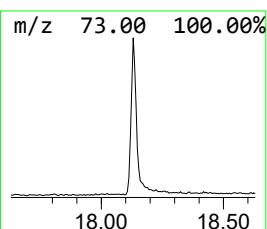
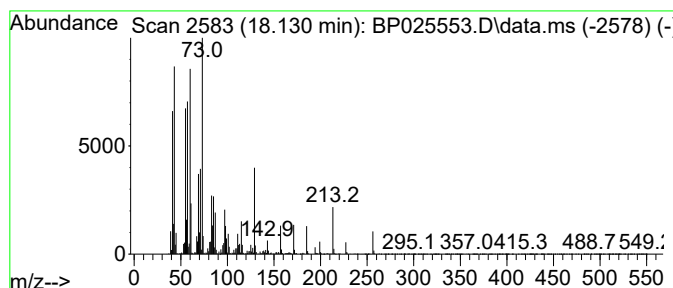
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.130	12.26 ng	1298620	Phenanthrene-d10	17.201	
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	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	81
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68



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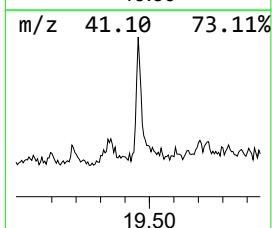
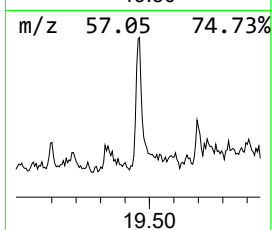
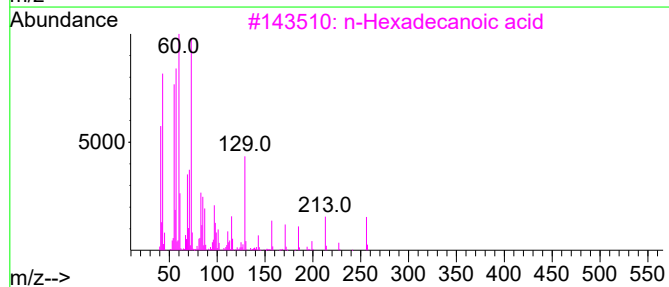
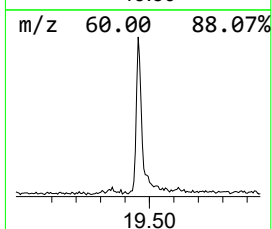
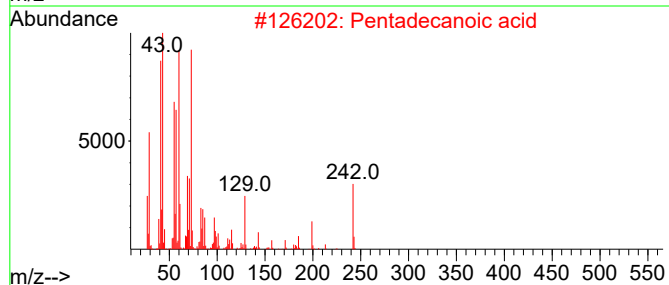
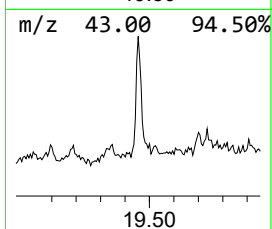
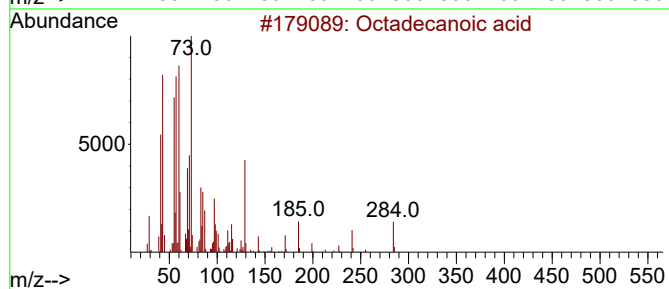
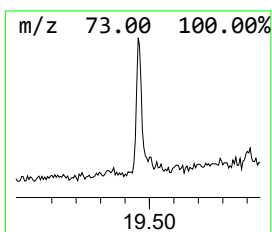
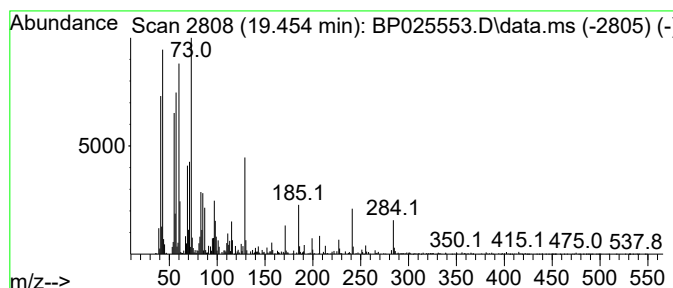
Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.454	2.44 ng	323613	Chrysene-d12		21.630	
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		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5		n-Decanoic acid	172	C10H20O2	000334-48-5	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

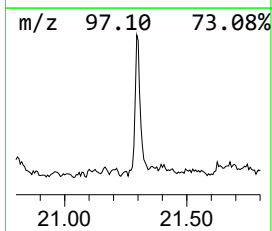
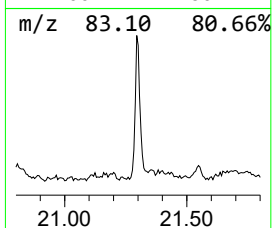
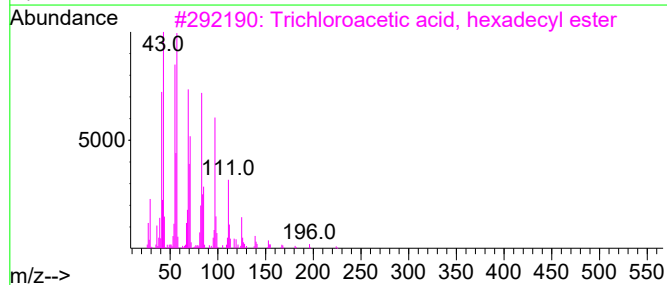
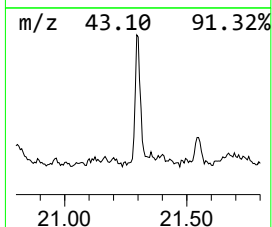
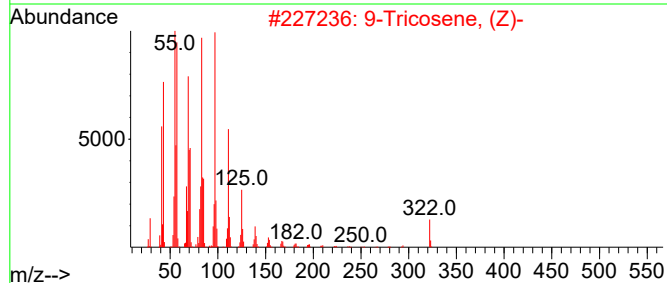
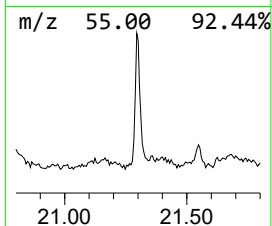
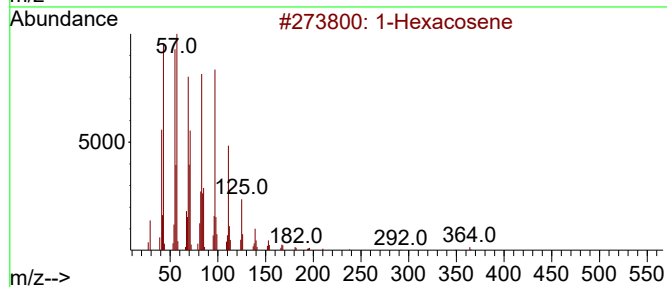
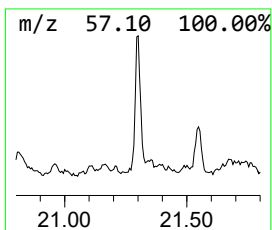
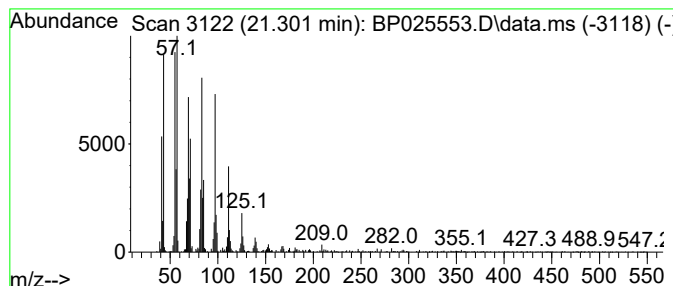
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Hexacosene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.301	4.62 ng	613722	Chrysene-d12	21.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene			364	C26H52	018835-33-1	95
2	9-Tricosene, (Z)-			322	C23H46	027519-02-4	95
3	Trichloroacetic acid, hexadecyl ...			386	C18H33Cl3O2	074339-54-1	94
4	Pentafluoropropionic acid, octad...			416	C21H37F5O2	959261-25-7	94
5	Heptafluorobutyric acid, hexadec...			438	C20H33F7O2	006385-15-5	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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
unknown2.984	2.984	3.1	ng	148438	1	7.778	966667	20.0
Butane, 2-metho...	3.031	82.9	ng	4005230	1	7.778	966667	20.0
unknown3.078	3.078	3.6	ng	176585	1	7.778	966667	20.0
2-Pentanone, 4-...	4.937	7.5	ng	360971	1	7.778	966667	20.0
Benzophenone	15.772	7.4	ng	628661	3	14.395	1700830	20.0
n-Hexadecanoic ...	18.130	12.3	ng	1298620	4	17.201	2118400	20.0
Octadecanoic acid	19.454	2.4	ng	323613	5	21.630	2655260	20.0
1-Hexacosene	21.301	4.6	ng	613722	5	21.630	2655260	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Aug 25 01:19:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	160345	20.000	ng	-0.02
21) Naphthalene-d8	10.542	136	629322	20.000	ng	-0.02
39) Acenaphthene-d10	14.378	164	401606	20.000	ng	-0.03
64) Phenanthrene-d10	17.183	188	846616	20.000	ng	-0.02
76) Chrysene-d12	21.618	240	933681	20.000	ng	-0.03
86) Perylene-d12	24.977	264	1099736	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	905029	93.734	ng	0.00
7) Phenol-d6	6.960	99	911354	73.622	ng	0.00
23) Nitrobenzene-d5	8.919	82	1207109	97.029	ng	-0.02
42) 2,4,6-Tribromophenol	15.895	330	850716	157.375	ng	-0.02
45) 2-Fluorobiphenyl	13.001	172	2567699	87.380	ng	-0.02
79) Terphenyl-d14	19.907	244	4192371	82.151	ng	-0.01

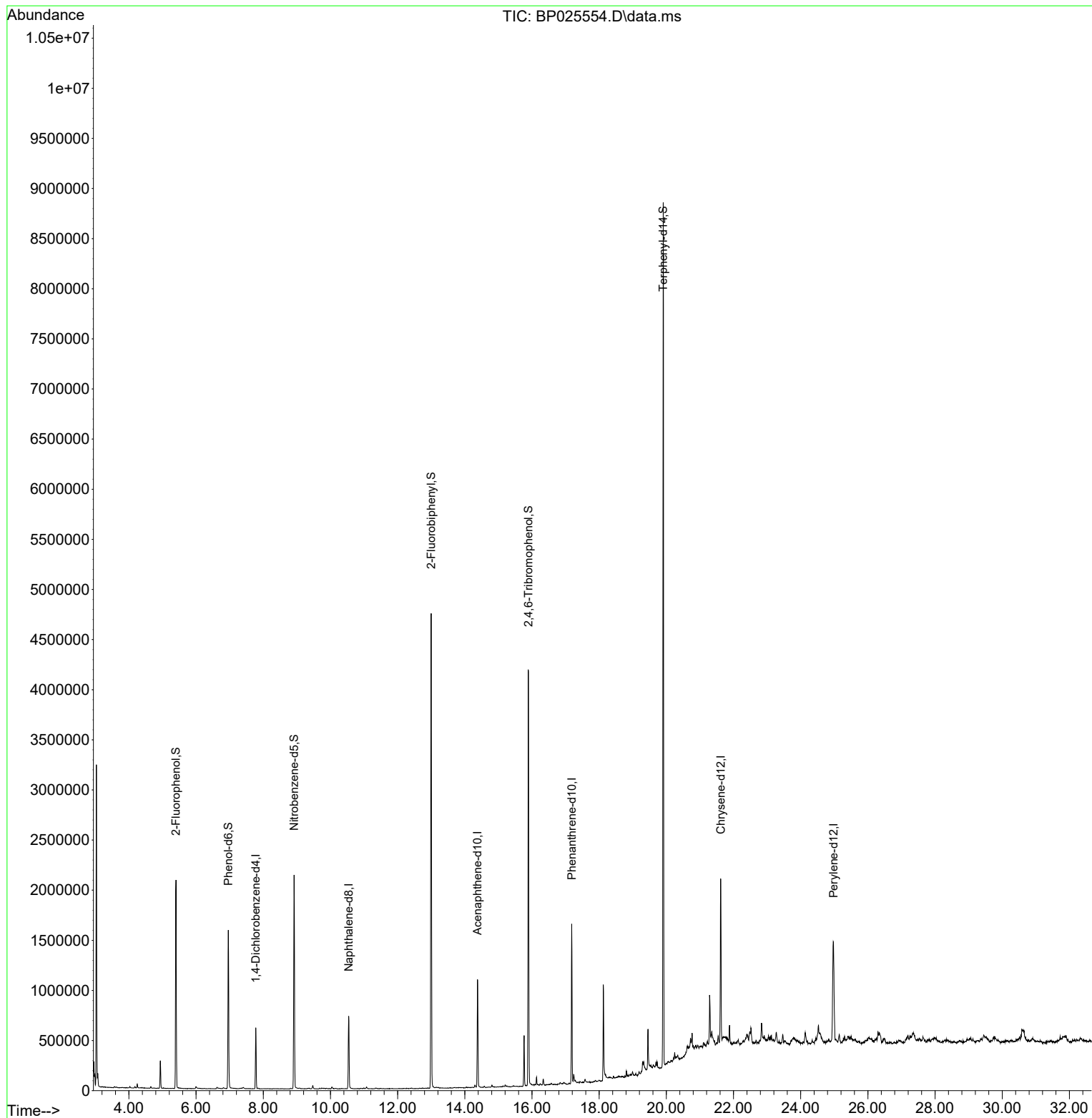
Target Compounds	Qvalue

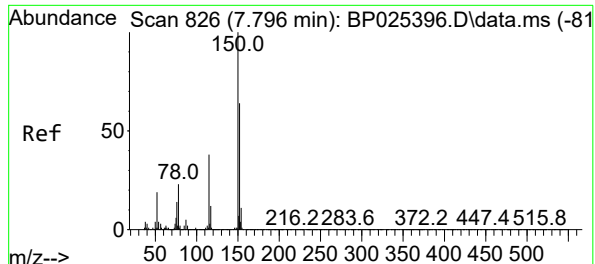
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Time: Aug 25 01:19:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

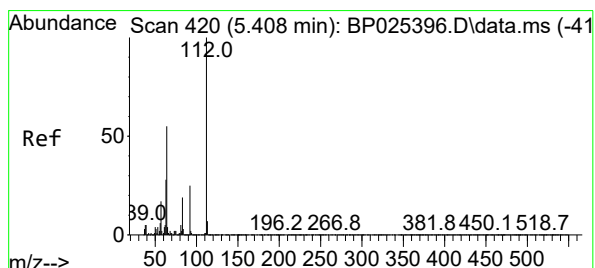
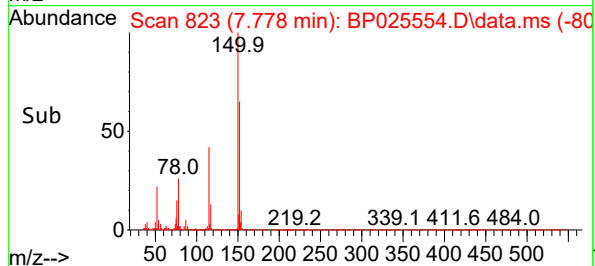
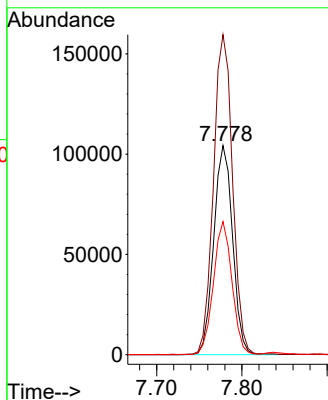
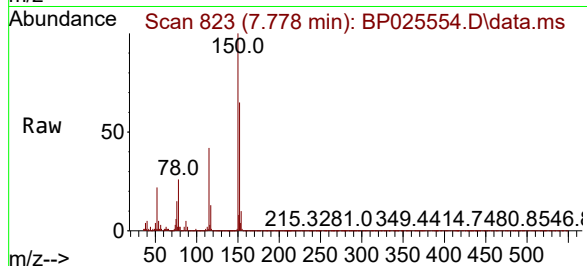




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

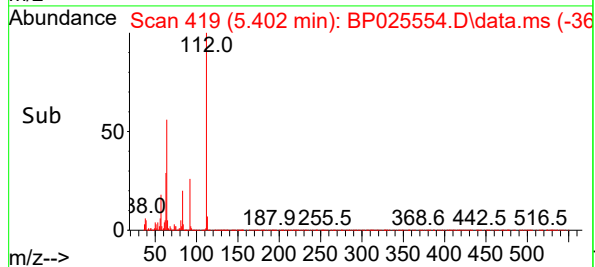
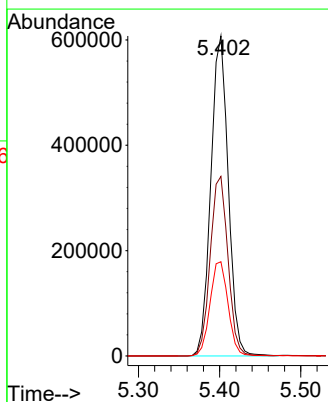
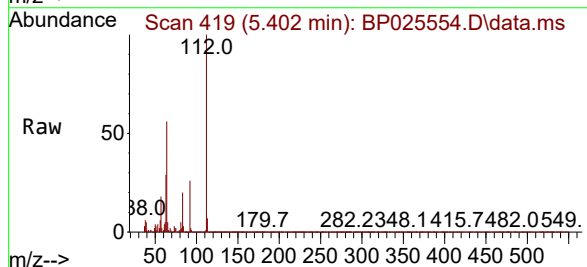
Instrument :
BNA_P
ClientSampleId :
ENV-SW02

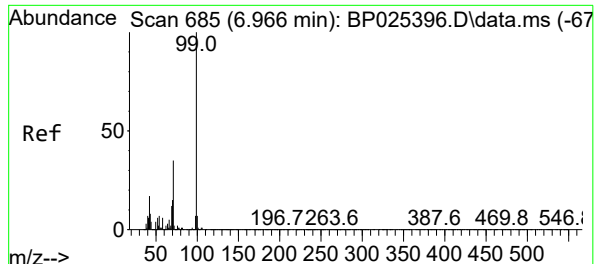
Tgt Ion:152 Resp: 160345
Ion Ratio Lower Upper
152 100
150 153.1 125.9 188.9
115 63.7 48.5 72.7



#5
2-Fluorophenol
Concen: 93.734 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Tgt Ion:112 Resp: 905029
Ion Ratio Lower Upper
112 100
64 56.1 43.8 65.8
63 29.4 22.7 34.1





#7

Phenol-d6

Concen: 73.622 ng

RT: 6.960 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP025554.D

Acq: 22 Aug 2025 18:20

Instrument :

BNA_P

ClientSampleId :

ENV-SW02

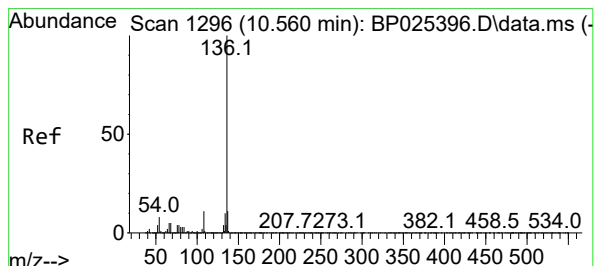
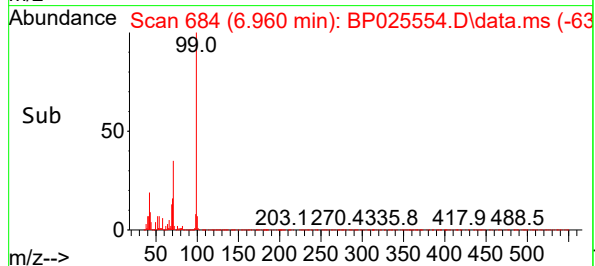
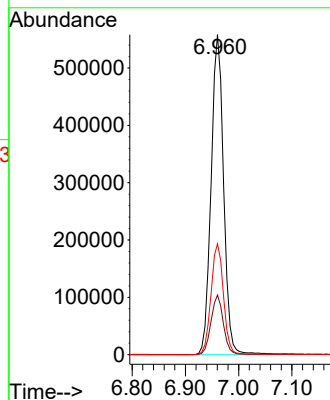
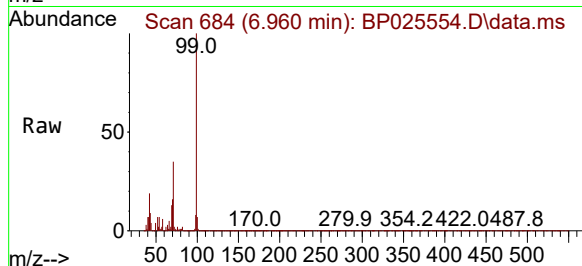
Tgt Ion: 99 Resp: 911354

Ion Ratio Lower Upper

99 100

42 18.7 13.7 20.5

71 34.7 28.2 42.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.542 min Scan# 1293

Delta R.T. -0.018 min

Lab File: BP025554.D

Acq: 22 Aug 2025 18:20

Tgt Ion: 136 Resp: 629322

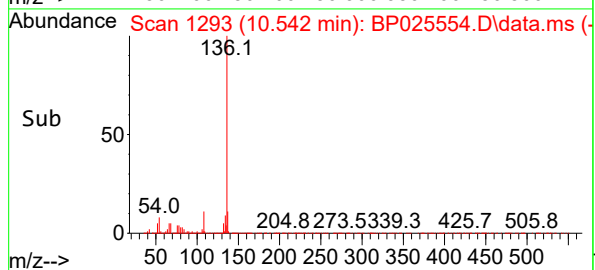
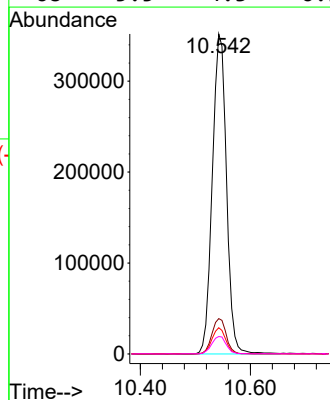
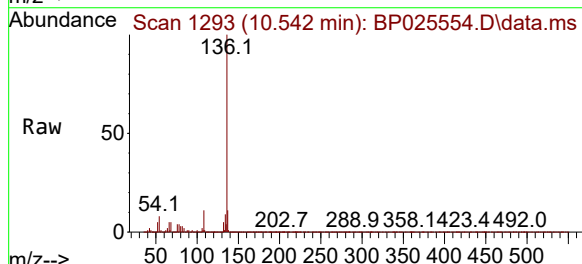
Ion Ratio Lower Upper

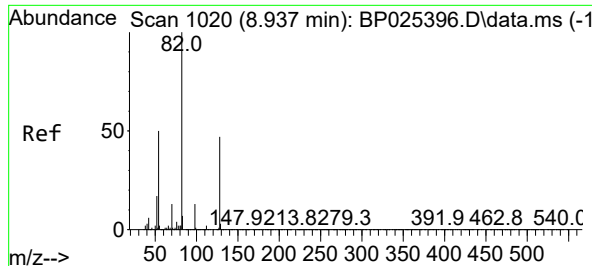
136 100

137 11.0 9.2 13.8

54 8.2 6.0 9.0

68 5.5 4.3 6.5





#23

Nitrobenzene-d5

Concen: 97.029 ng

RT: 8.919 min Scan# 10

Delta R.T. -0.018 min

Lab File: BP025554.D

Acq: 22 Aug 2025 18:20

Instrument :

BNA_P

ClientSampleId :

ENV-SW02

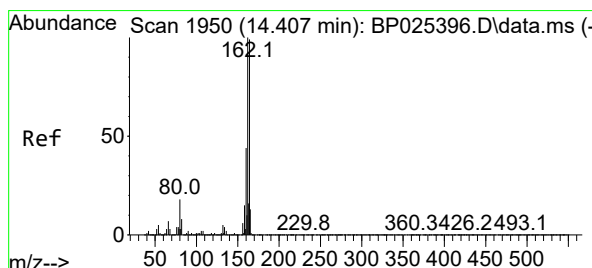
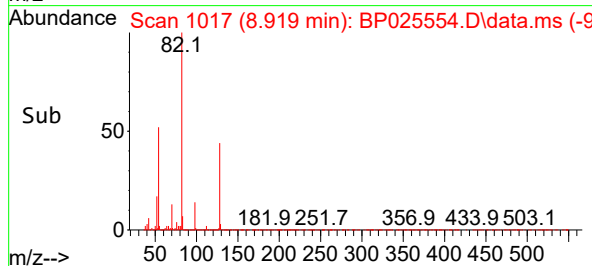
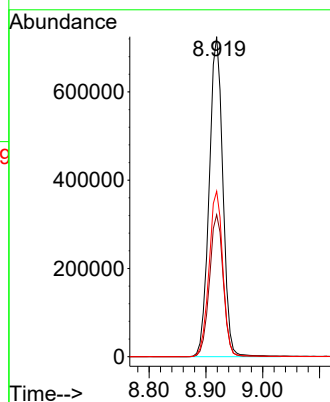
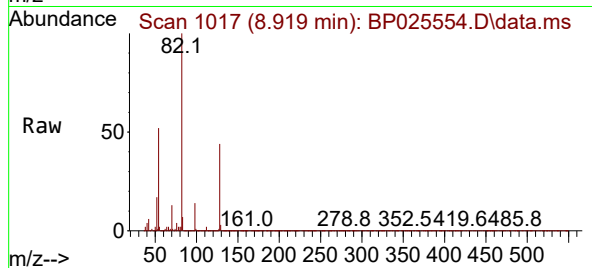
Tgt Ion: 82 Resp: 1207109

Ion Ratio Lower Upper

82 100

128 44.4 37.7 56.5

54 51.7 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.378 min Scan# 1945

Delta R.T. -0.030 min

Lab File: BP025554.D

Acq: 22 Aug 2025 18:20

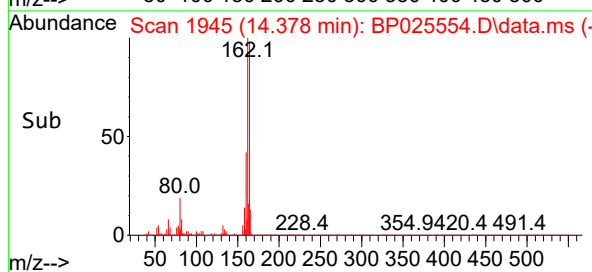
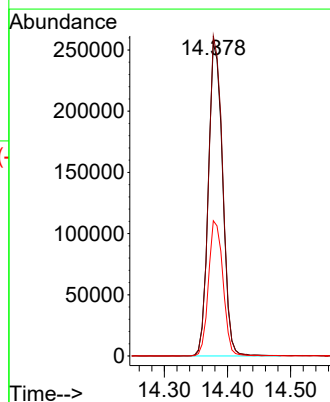
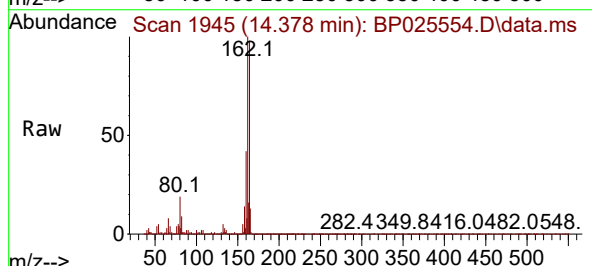
Tgt Ion:164 Resp: 401606

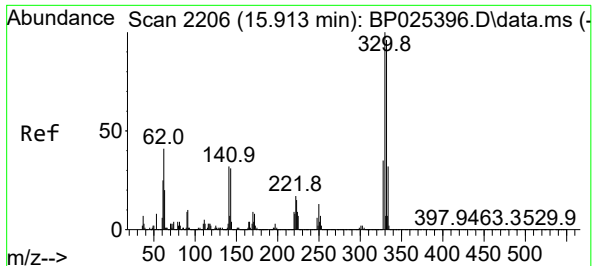
Ion Ratio Lower Upper

164 100

162 102.2 81.0 121.6

160 43.2 35.4 53.2

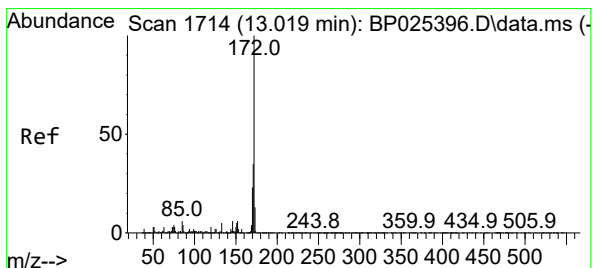
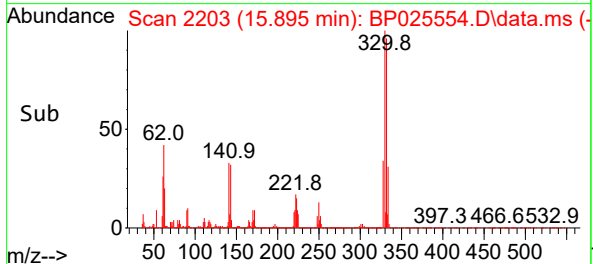
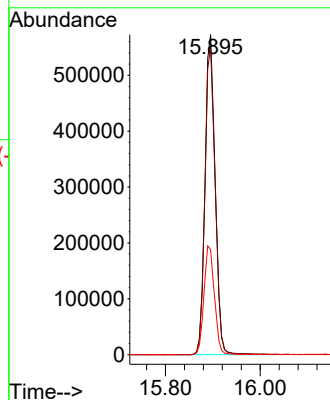
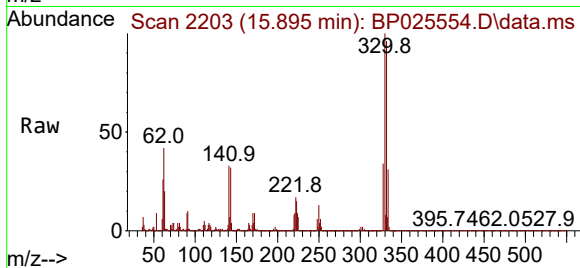




#42
2,4,6-Tribromophenol
Concen: 157.375 ng
RT: 15.895 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

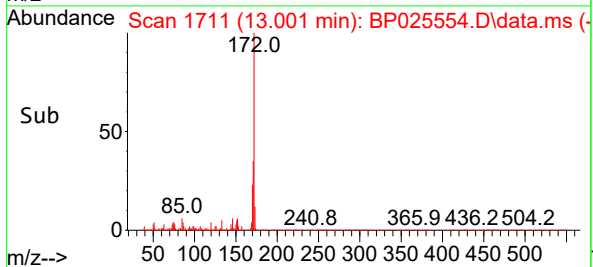
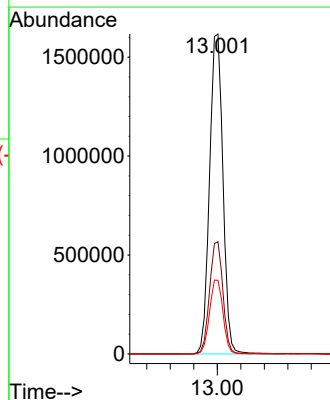
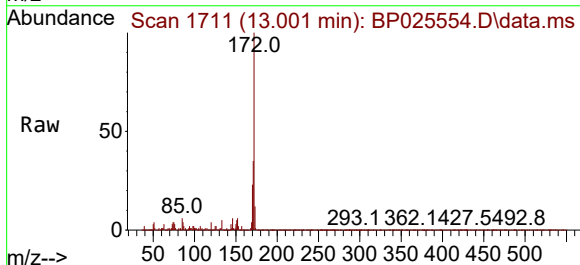
Instrument :
BNA_P
ClientSampleId :
ENV-SW02

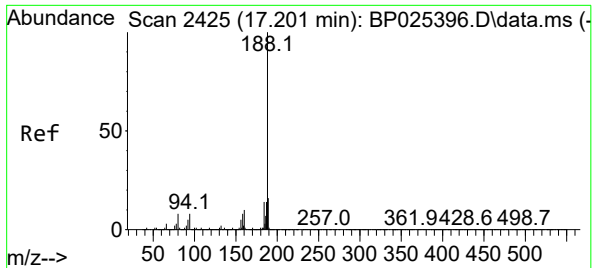
Tgt Ion:330 Resp: 850716
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 34.9 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 87.380 ng
RT: 13.001 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Tgt Ion:172 Resp: 2567699
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.0 18.6 28.0

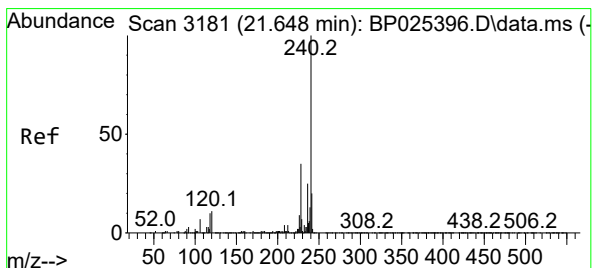
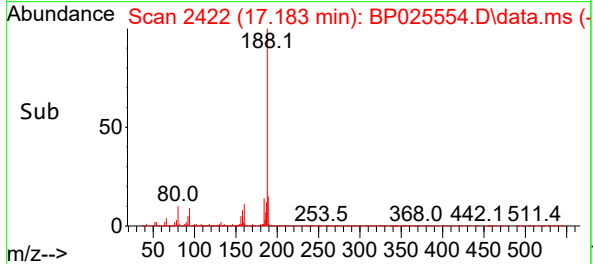
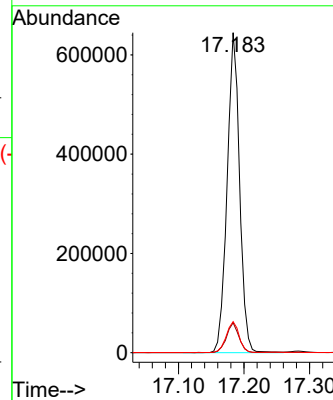
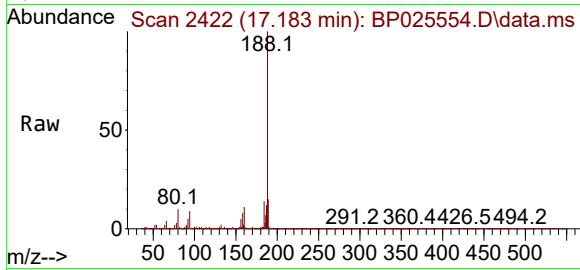




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.183 min Scan# 2422
Delta R.T. -0.018 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

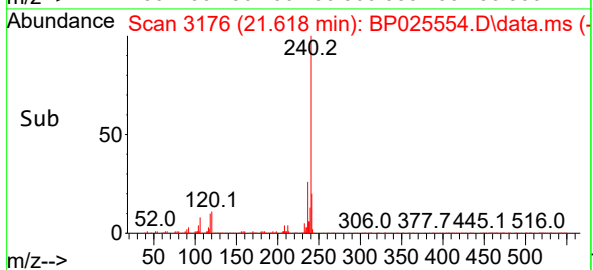
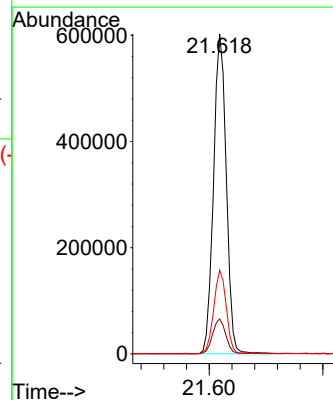
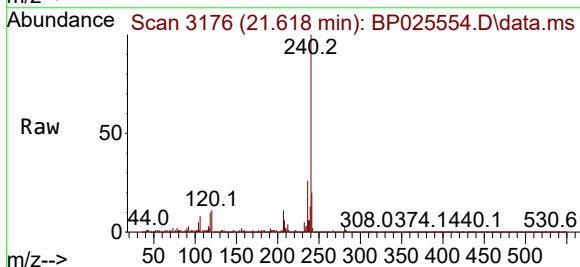
Instrument :
BNA_P
ClientSampleId :
ENV-SW02

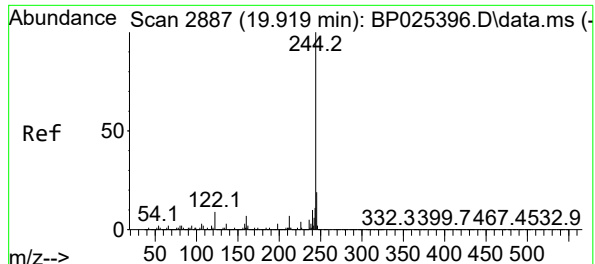
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.6	10.0
80	9.7	6.7	10.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.618 min Scan# 3176
Delta R.T. -0.030 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	26.2	19.8	29.8





#79

Terphenyl-d14

Concen: 82.151 ng

RT: 19.907 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025554.D

Acq: 22 Aug 2025 18:20

Instrument :

BNA_P

ClientSampleId :

ENV-SW02

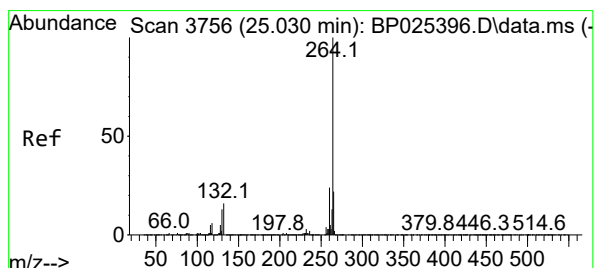
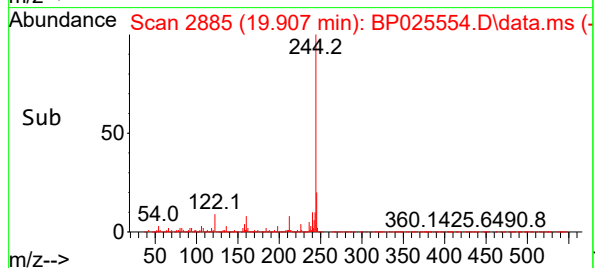
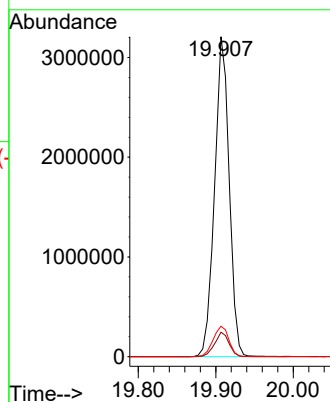
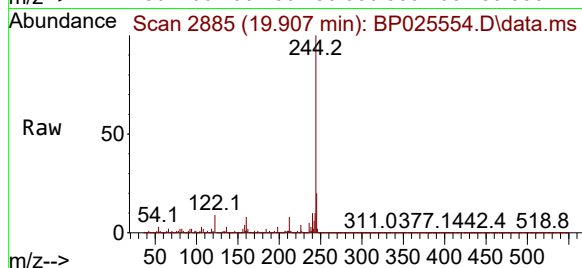
Tgt Ion:244 Resp: 4192371

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 9.5 7.4 11.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.977 min Scan# 3747

Delta R.T. -0.053 min

Lab File: BP025554.D

Acq: 22 Aug 2025 18:20

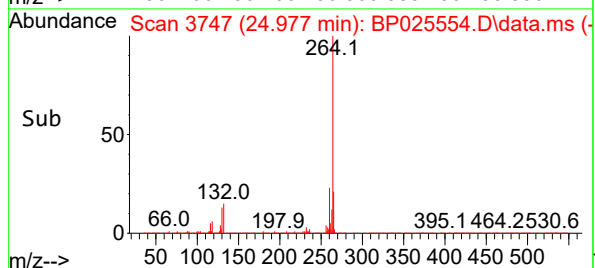
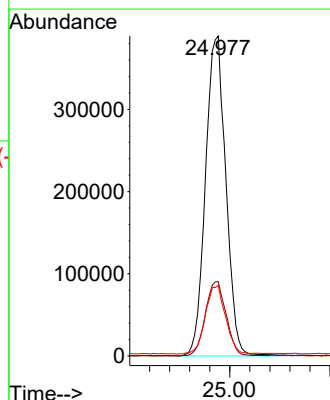
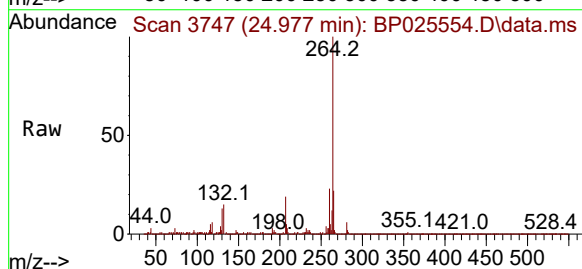
Tgt Ion:264 Resp: 1099736

Ion Ratio Lower Upper

264 100

260 23.3 19.3 28.9

265 22.1 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
 Data File : BP025554.D
 Acq On : 22 Aug 2025 18:20
 Operator : CG/JU
 Sample : Q2934-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ENV-SW02

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-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025554.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.031	11	16	21	rVV	3200248	3746621	32.68%	6.870%
2	3.072	21	23	39	rVB	136580	189950	1.66%	0.348%
3	4.937	333	340	350	rVB	276751	401809	3.50%	0.737%
4	5.402	411	419	427	rBV	2079294	3134142	27.34%	5.747%
5	6.960	675	684	698	rBV	1581689	2604287	22.72%	4.775%
6	7.778	817	823	830	rBV	607589	934843	8.15%	1.714%
7	8.919	1006	1017	1036	rBV	2133769	3593792	31.35%	6.590%
8	10.542	1284	1293	1312	rBV	724784	1307641	11.41%	2.398%
9	13.001	1703	1711	1729	rBV	4735660	7519268	65.58%	13.788%
10	14.378	1939	1945	1964	rVB	1076273	1724869	15.04%	3.163%
11	15.766	2175	2181	2188	rBV	505082	658809	5.75%	1.208%
12	15.889	2196	2202	2225	rBV	4149233	6518523	56.86%	11.953%
13	17.183	2416	2422	2428	rBV	1593068	2133559	18.61%	3.912%
14	17.242	2428	2432	2438	rVV3	68538	120725	1.05%	0.221%
15	18.124	2577	2582	2592	rBV	959482	1485529	12.96%	2.724%
16	19.295	2777	2781	2783	rBV2	92783	138515	1.21%	0.254%
17	19.454	2803	2808	2815	rBV	402248	642656	5.61%	1.178%
18	19.907	2879	2885	2893	rBV	8620374	11464938	100.00%	21.023%
19	21.289	3117	3120	3125	rBV2	432830	596773	5.21%	1.094%
20	21.618	3171	3176	3182	rVB	1611583	2449164	21.36%	4.491%
21	21.883	3218	3221	3226	rVB	183170	239678	2.09%	0.439%
22	22.836	3380	3383	3388	rVB3	142543	210041	1.83%	0.385%
23	24.971	3739	3746	3756	rVB2	980721	2720353	23.73%	4.988%

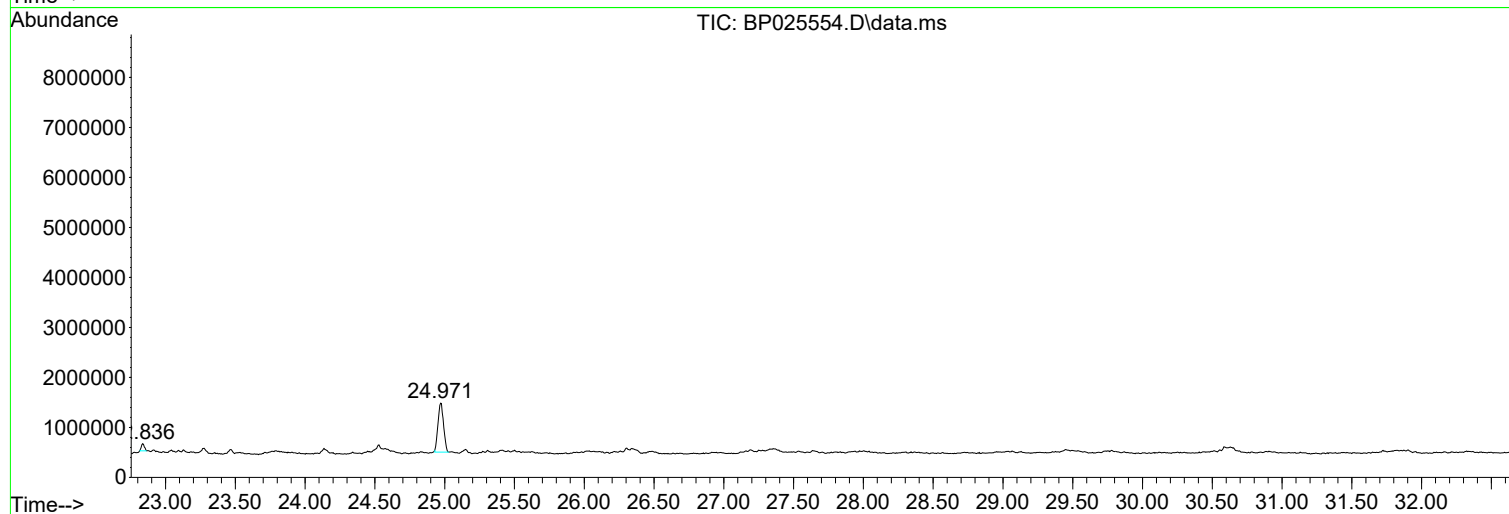
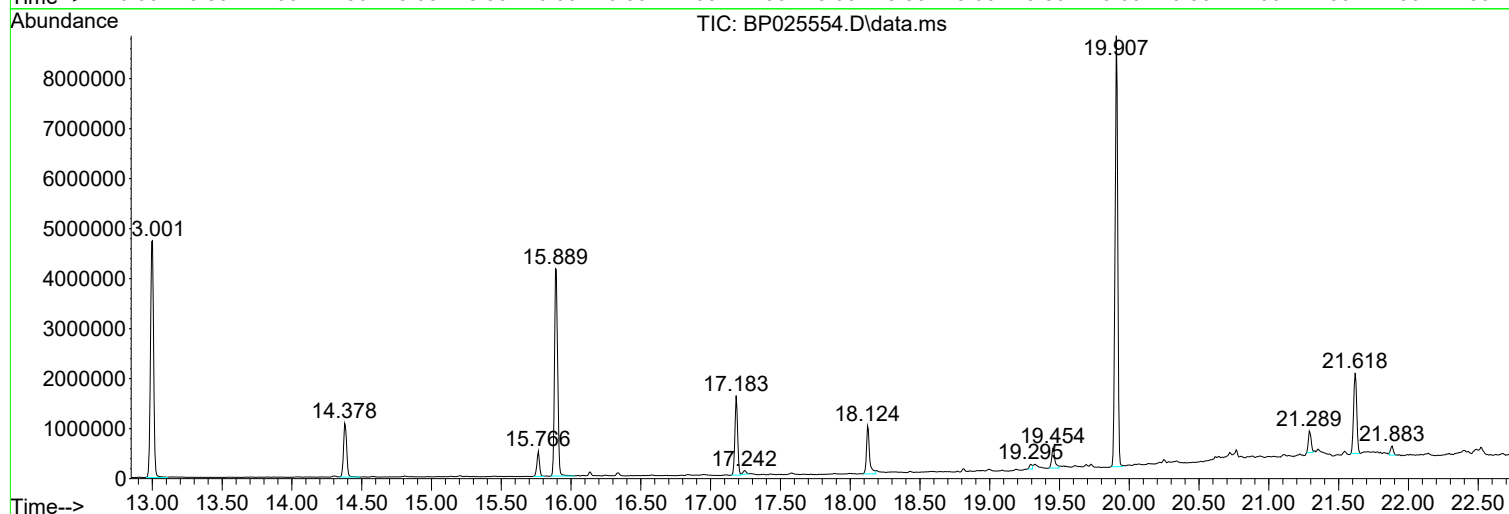
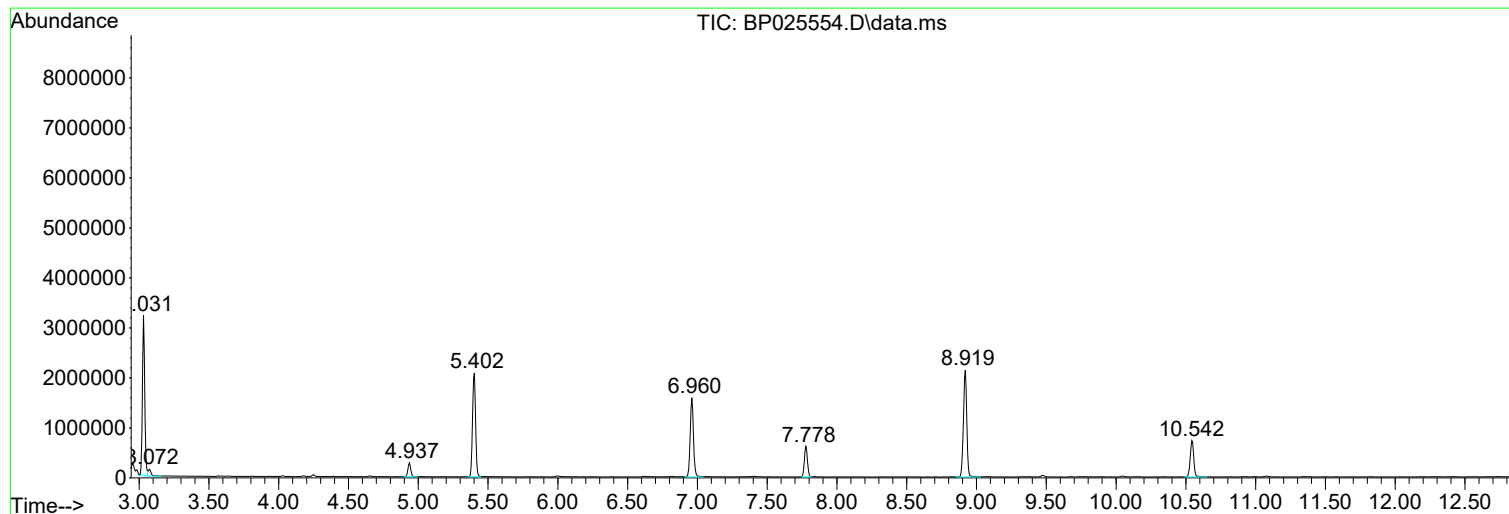
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

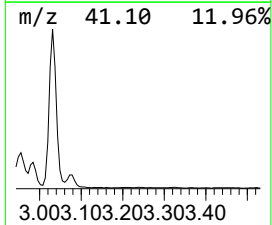
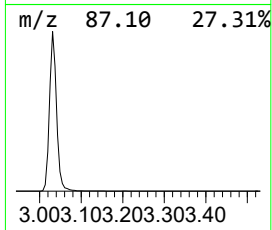
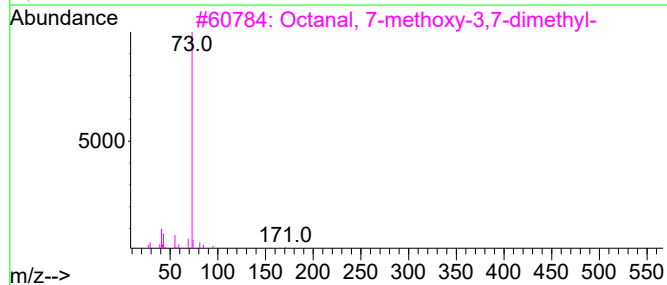
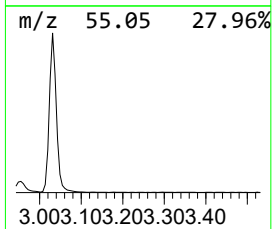
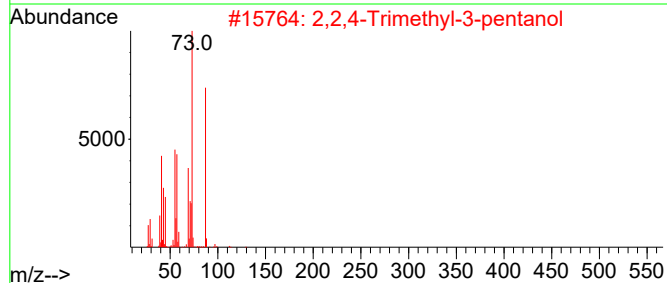
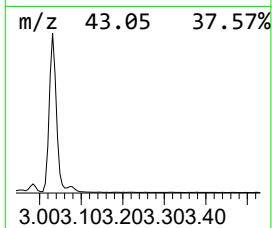
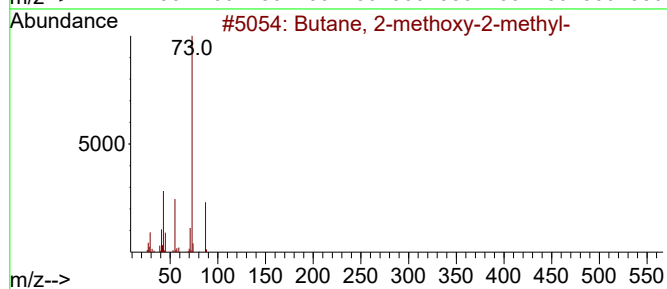
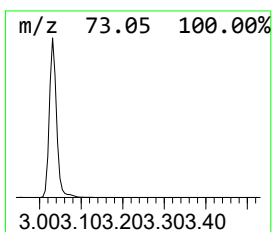
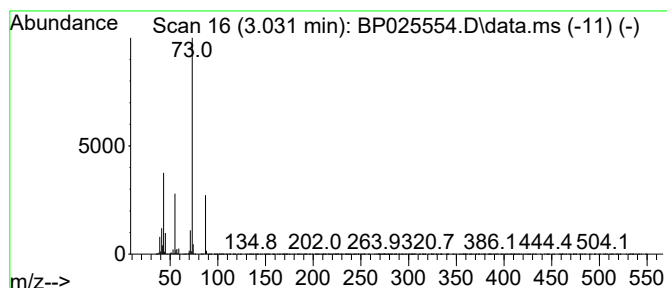
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD			R.T.
3.031	80.16 ng	3746620	1,4-Dichlorobenzene-d4			7.778

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3		Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

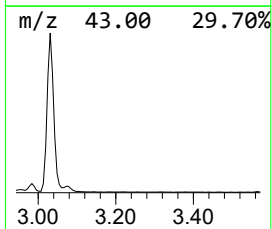
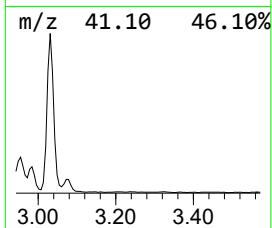
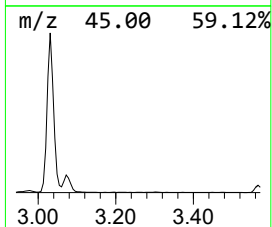
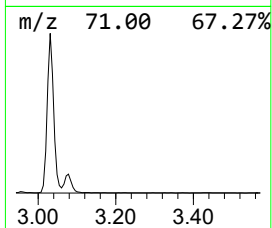
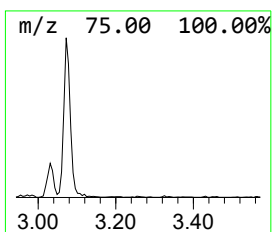
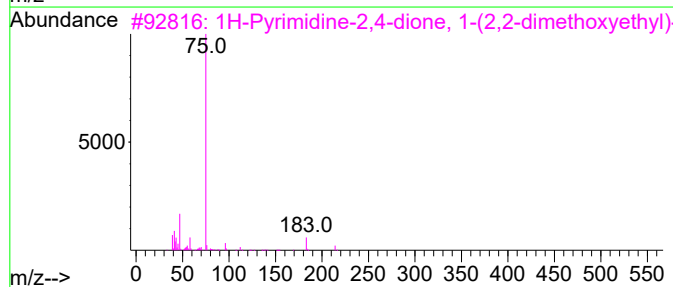
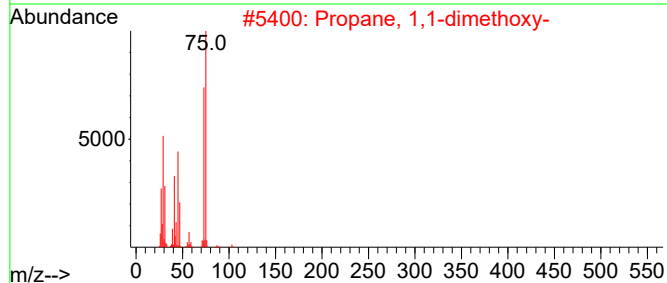
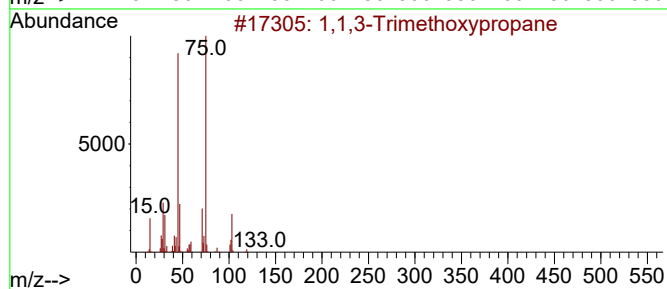
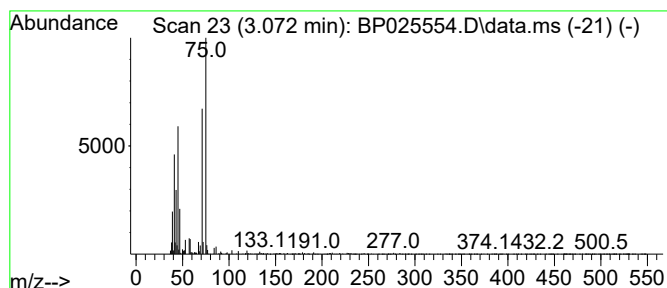
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 1,1,3-Trimethoxypropane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.072	4.06 ng	189950	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1,3-Trimethoxypropane	134	C6H14O3	014315-97-0	56
2			Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	45
3			1H-Pyrimidine-2,4-dione, 1-(2,2-...	214	C9H14N2O4	1010302-49-7	37
4			3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	10
5			1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

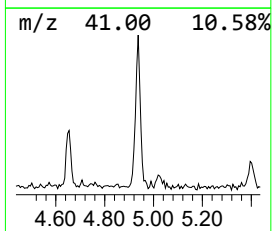
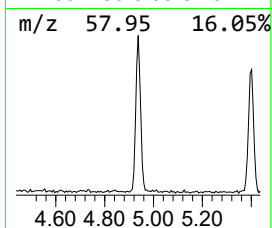
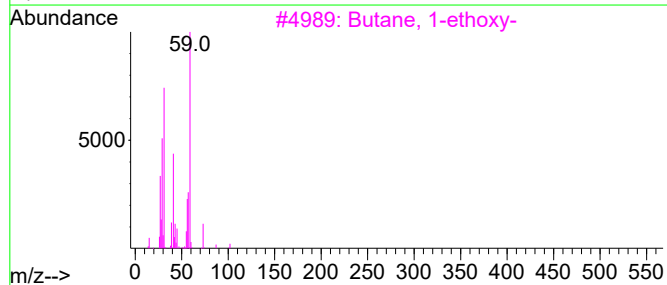
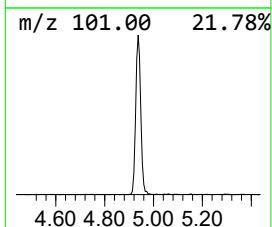
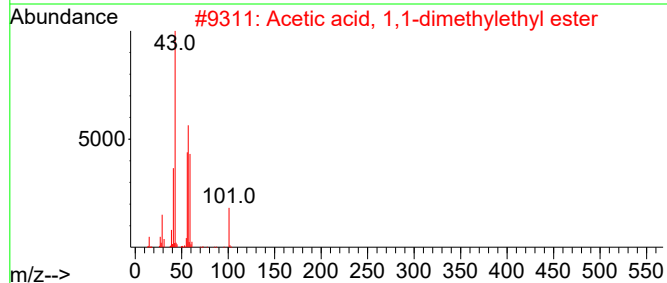
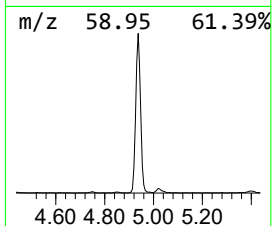
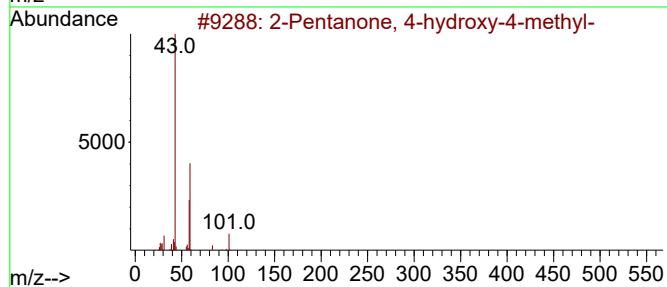
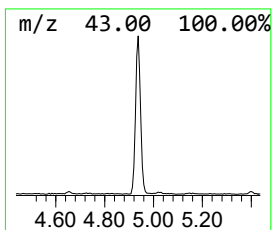
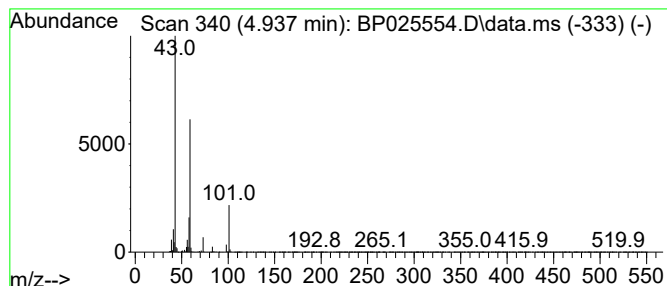
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.937	8.60 ng	401809	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	25
4			Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	23
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

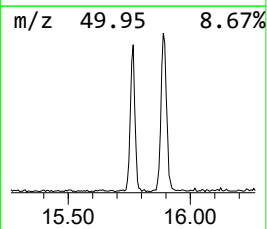
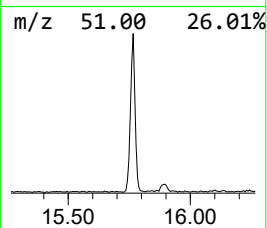
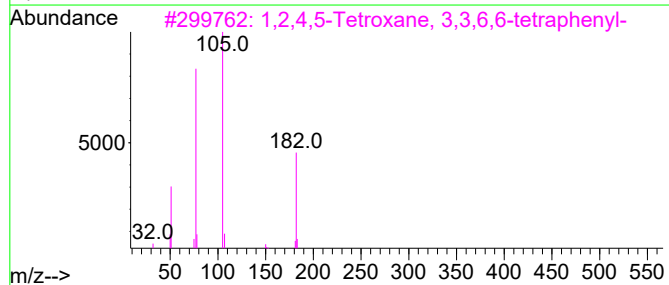
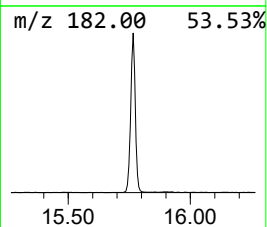
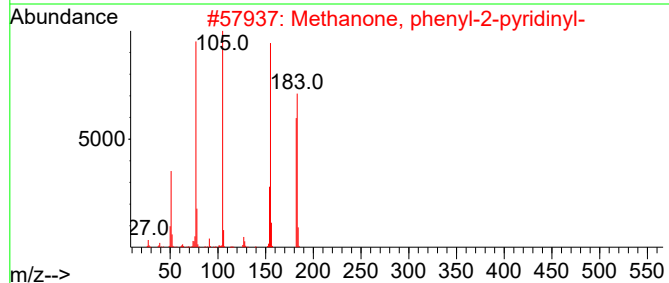
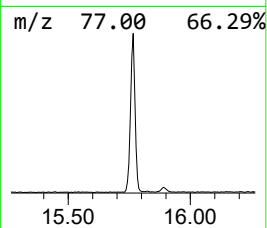
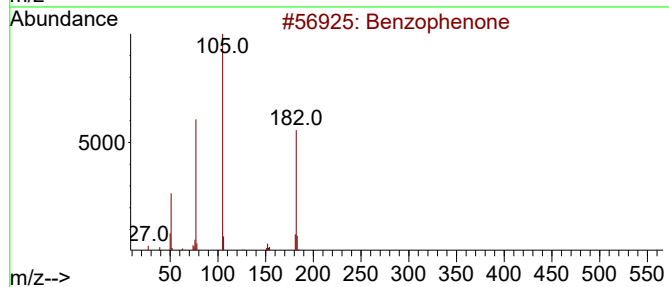
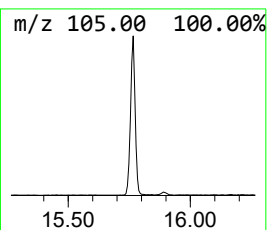
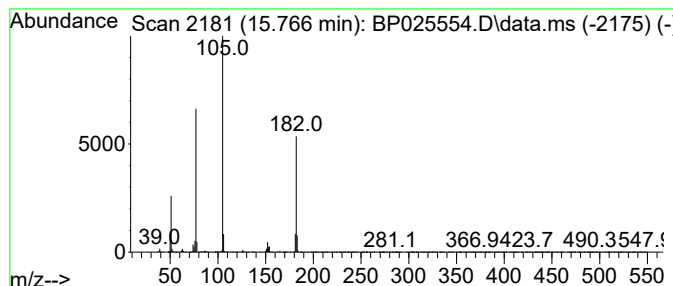
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.766	7.64 ng	658809	Acenaphthene-d10	14.378

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	72
3			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
4			Azobenzene	182	C12H10N2	000103-33-3	64
5			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

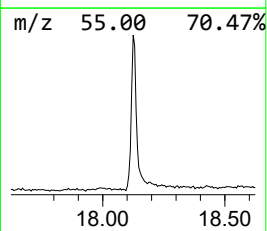
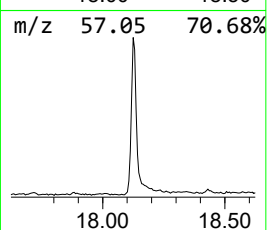
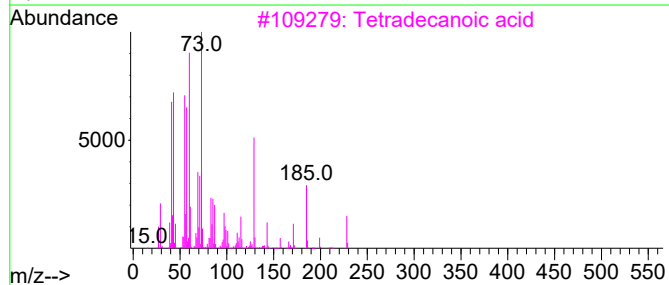
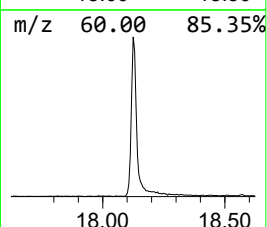
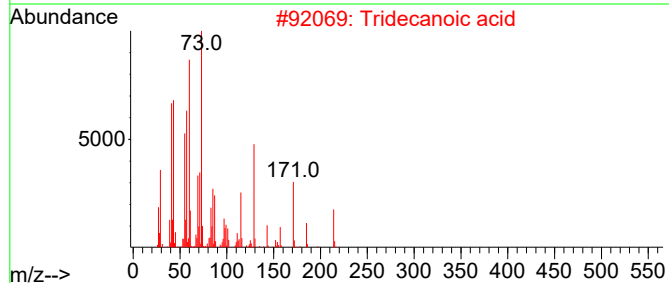
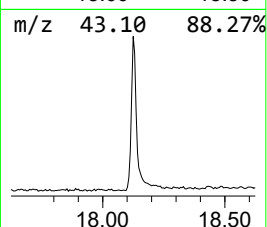
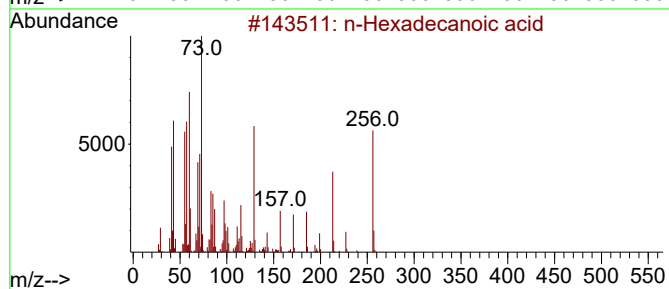
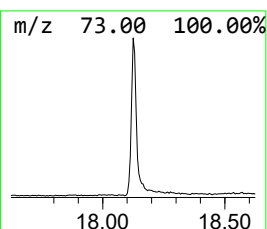
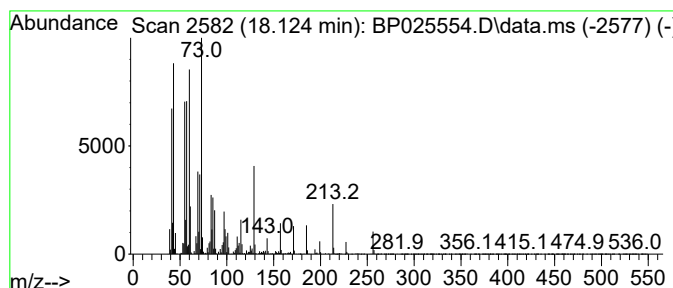
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.124	13.93 ng	1485530	Phenanthrene-d10	17.183

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	97
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5			Undecanoic acid	186	C11H22O2	000112-37-8	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

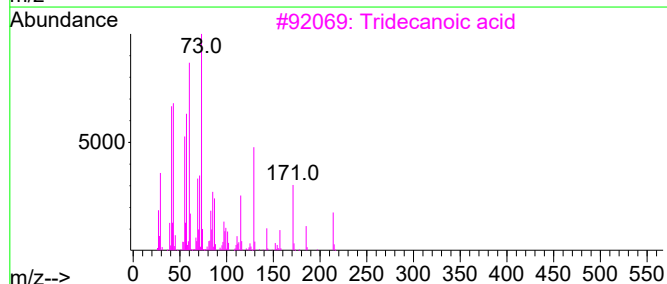
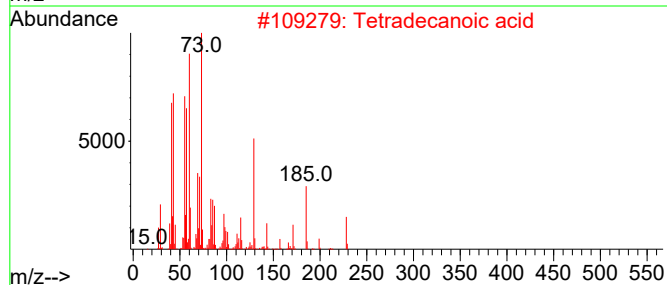
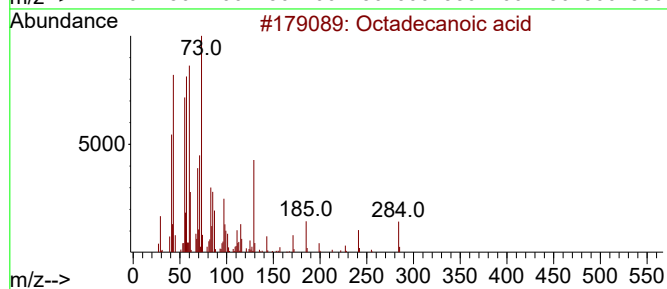
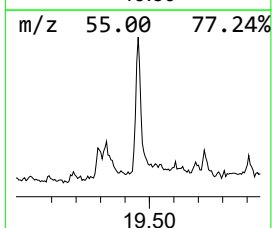
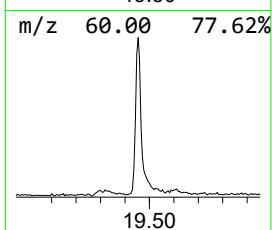
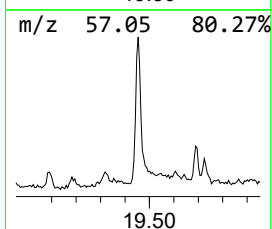
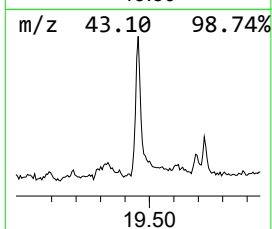
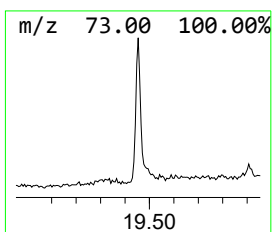
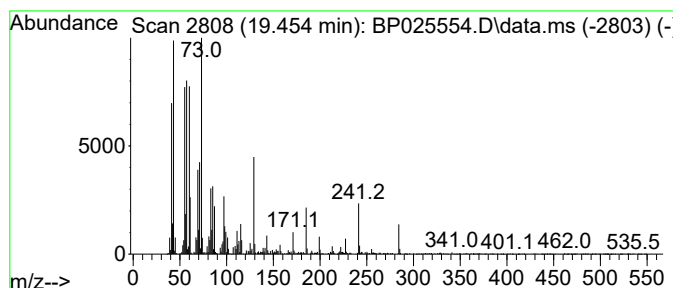
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ClientSampleId :
ENV-SW02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.454	5.25 ng	642656	Chrysene-d12	21.618	
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	86
3	Tridecanoic acid	214	C13H26O2	000638-53-9	72
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	70
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

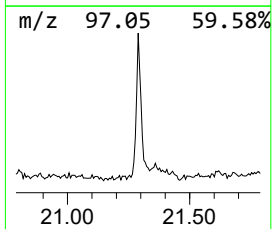
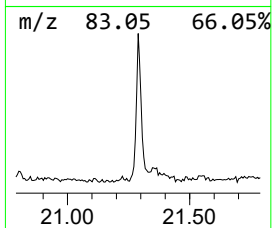
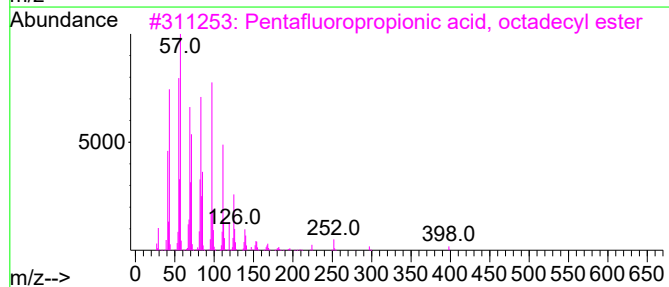
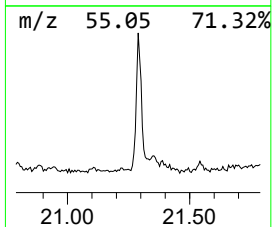
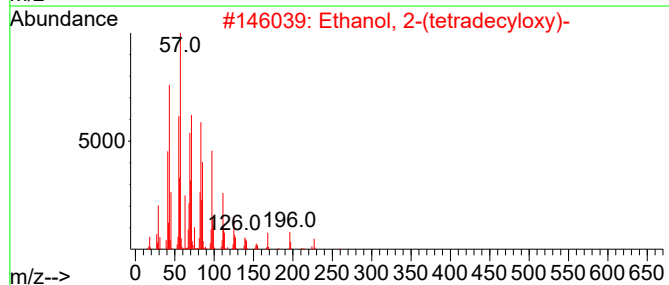
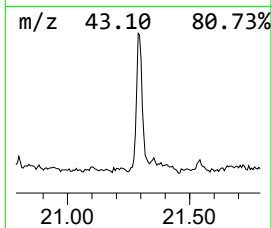
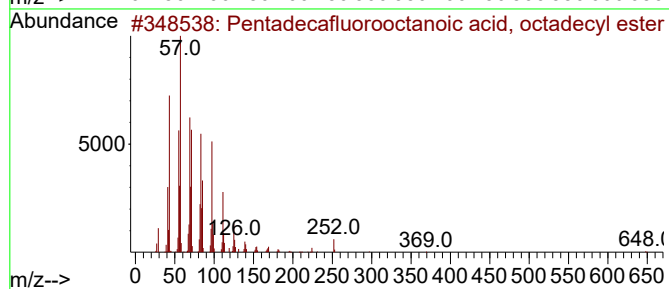
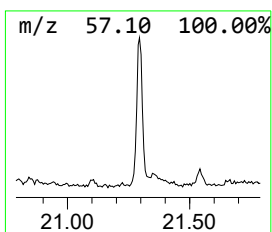
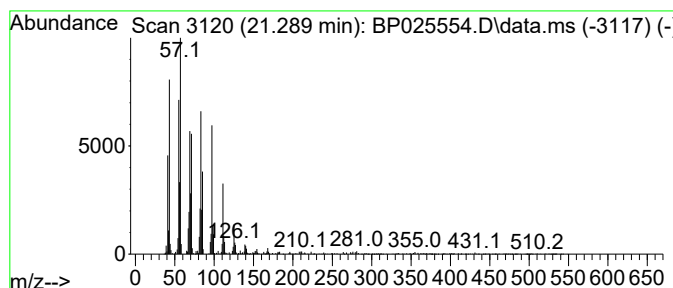
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Pentadecafluorooctanoic aci... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.289	4.87 ng	596773	Chrysene-d12	21.618

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
2			Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	93
3			Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	91
4			1-Hexadecanol, 2-methyl-	256	C17H36O	002490-48-4	91
5			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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
Butane, 2-metho...	3.031	80.2	ng	3746620	1	7.778	934843	20.0
1,1,3-Trimethox...	3.072	4.1	ng	189950	1	7.778	934843	20.0
2-Pentanone, 4-...	4.937	8.6	ng	401809	1	7.778	934843	20.0
Benzophenone	15.766	7.6	ng	658809	3	14.378	1724870	20.0
n-Hexadecanoic ...	18.124	13.9	ng	1485530	4	17.183	2133560	20.0
Octadecanoic acid	19.454	5.3	ng	642656	5	21.618	2449160	20.0
Pentadecafluoro...	21.289	4.9	ng	596773	5	21.618	2449160	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Aug 25 01:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	170537	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	719655	20.000	ng	-0.02
39) Acenaphthene-d10	14.389	164	487572	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	1036598	20.000	ng	#-0.01
76) Chrysene-d12	21.630	240	1087225	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1183123	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	919717	89.563	ng	0.00
7) Phenol-d6	6.960	99	953264	72.405	ng	0.00
23) Nitrobenzene-d5	8.913	82	1281998	90.113	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	993021	151.311	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	2852203	79.948	ng	-0.02
79) Terphenyl-d14	19.913	244	5090800	85.668	ng	0.00

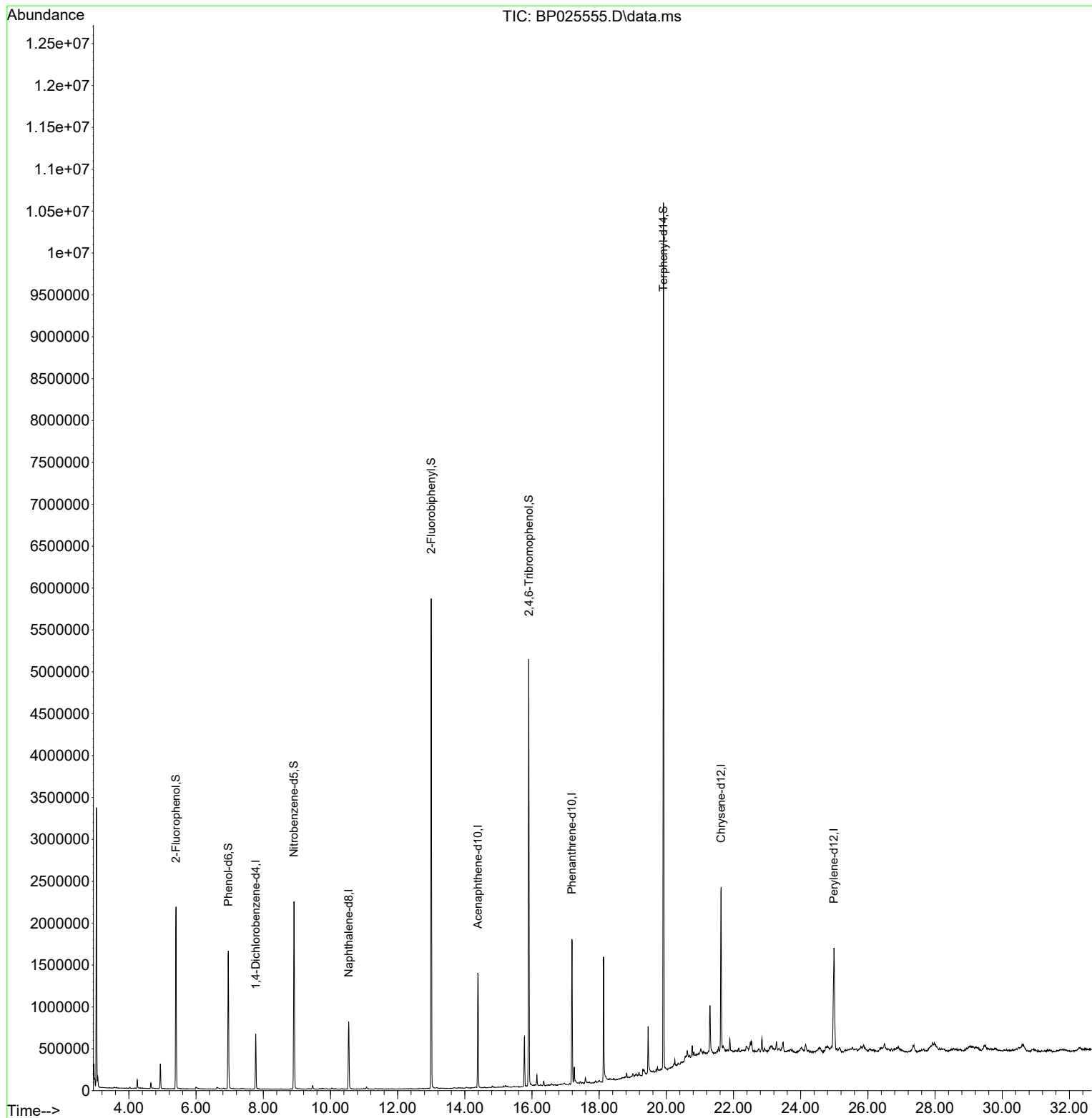
Target Compounds	Qvalue

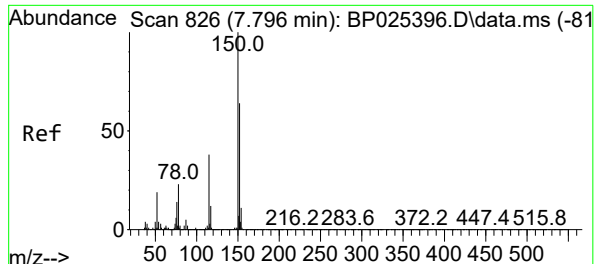
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Time: Aug 25 01:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

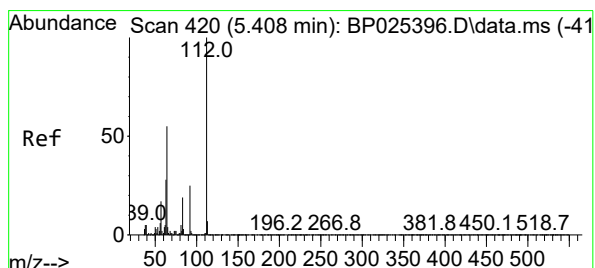
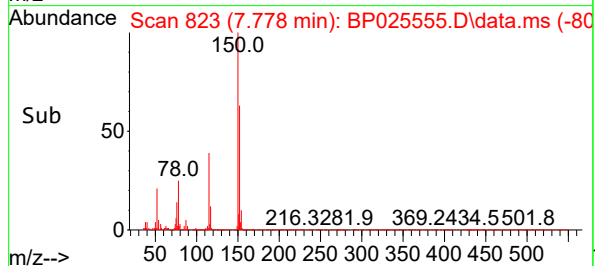
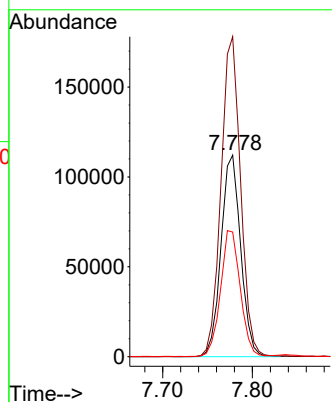
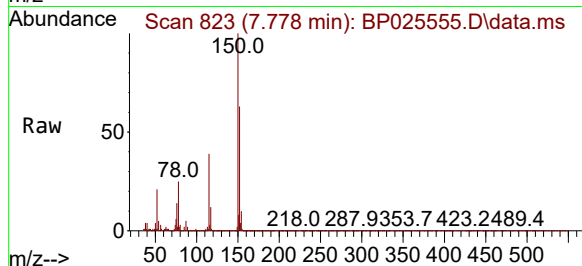




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

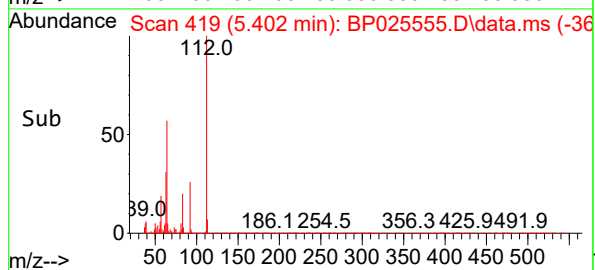
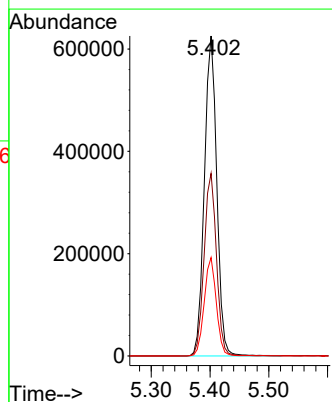
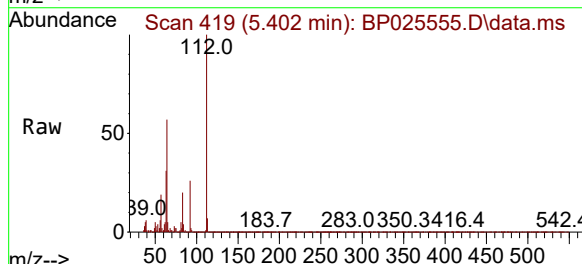
Instrument :
BNA_P
ClientSampleId :
ENV-SW03

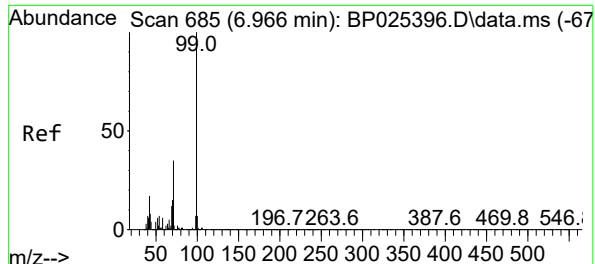
Tgt Ion:152 Resp: 170537
Ion Ratio Lower Upper
152 100
150 158.7 125.9 188.9
115 61.8 48.5 72.7



#5
2-Fluorophenol
Concen: 89.563 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Tgt Ion:112 Resp: 919717
Ion Ratio Lower Upper
112 100
64 57.0 43.8 65.8
63 30.7 22.7 34.1

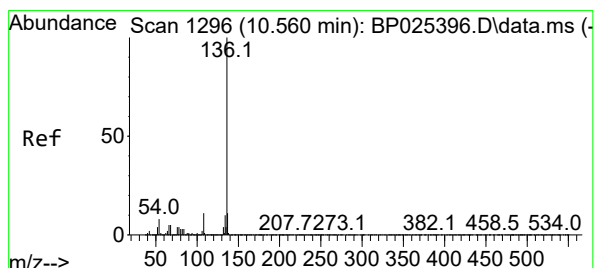
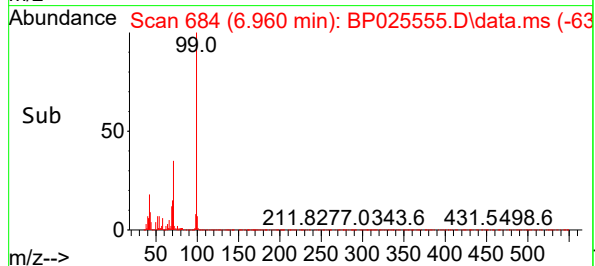
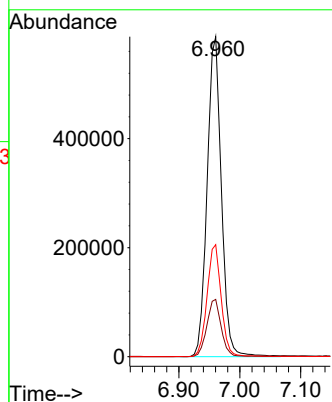
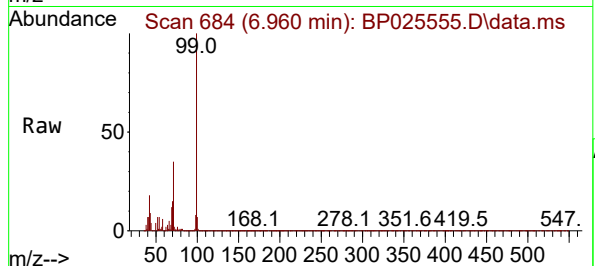




#7
Phenol-d6
Concen: 72.405 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

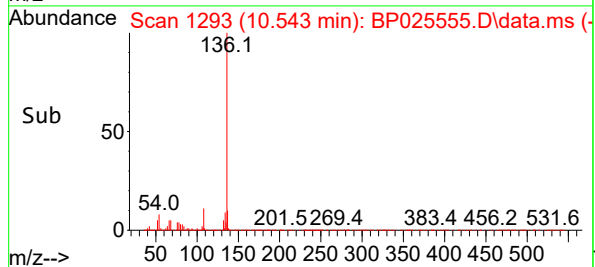
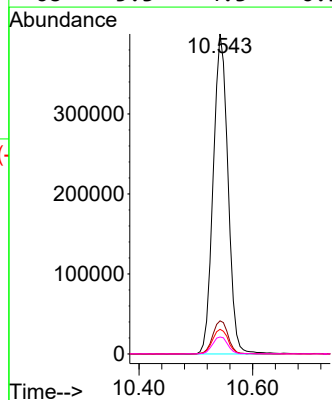
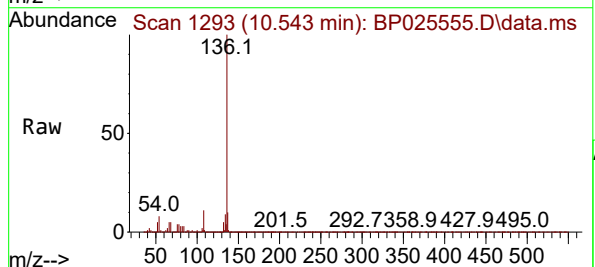
Instrument :
BNA_P
ClientSampleId :
ENV-SW03

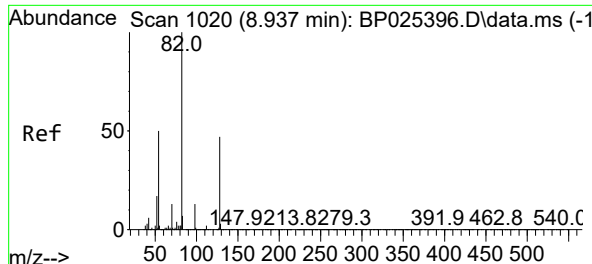
Tgt Ion: 99 Resp: 953264
Ion Ratio Lower Upper
99 100
42 17.9 13.7 20.5
71 35.0 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Tgt Ion: 136 Resp: 719655
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 7.7 6.0 9.0
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 90.113 ng

RT: 8.913 min Scan# 1016

Delta R.T. -0.024 min

Lab File: BP025555.D

Acq: 22 Aug 2025 19:02

Instrument :

BNA_P

ClientSampleId :

ENV-SW03

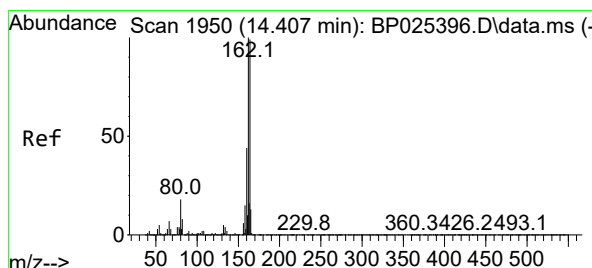
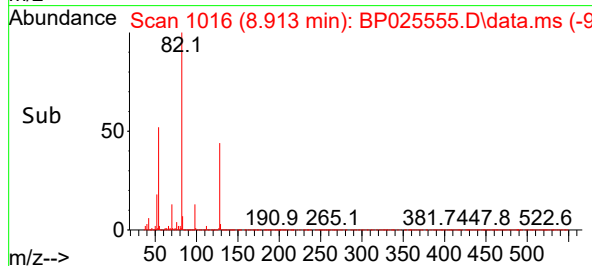
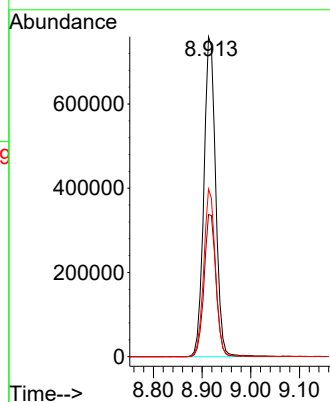
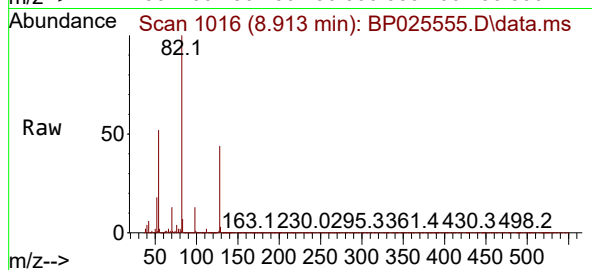
Tgt Ion: 82 Resp: 1281998

Ion Ratio Lower Upper

82 100

128 44.4 37.7 56.5

54 52.4 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.389 min Scan# 1947

Delta R.T. -0.018 min

Lab File: BP025555.D

Acq: 22 Aug 2025 19:02

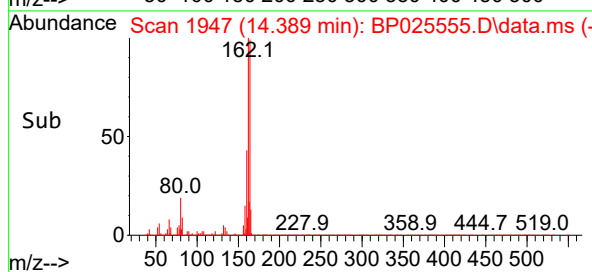
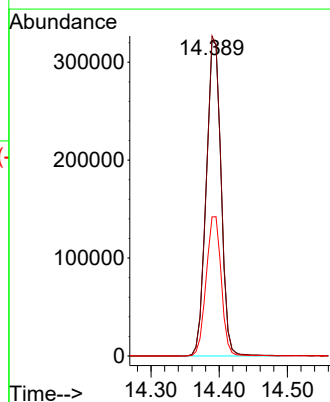
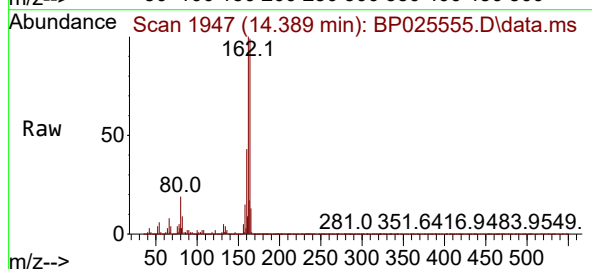
Tgt Ion:164 Resp: 487572

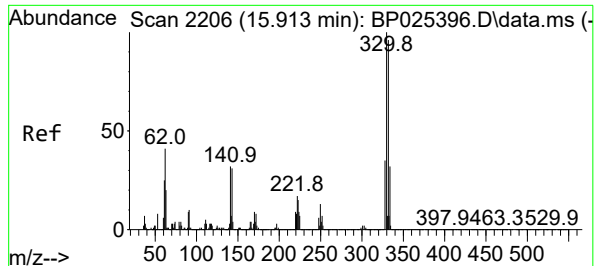
Ion Ratio Lower Upper

164 100

162 101.5 81.0 121.6

160 44.1 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 151.311 ng

RT: 15.907 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025555.D

Acq: 22 Aug 2025 19:02

Instrument :

BNA_P

ClientSampleId :

ENV-SW03

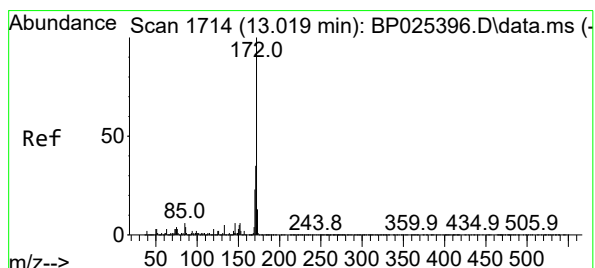
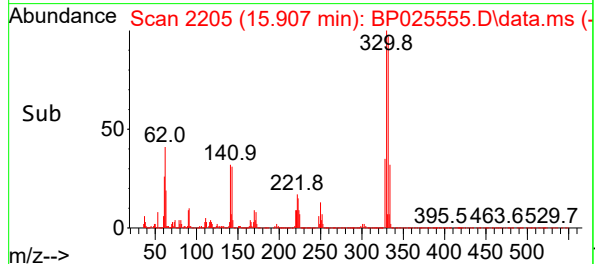
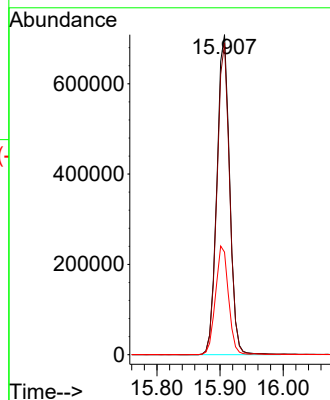
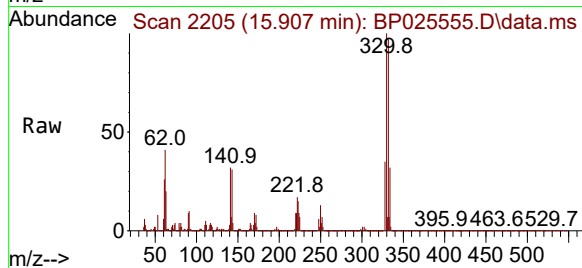
Tgt Ion:330 Resp: 993021

Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

141 34.8 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 79.948 ng

RT: 13.001 min Scan# 1711

Delta R.T. -0.018 min

Lab File: BP025555.D

Acq: 22 Aug 2025 19:02

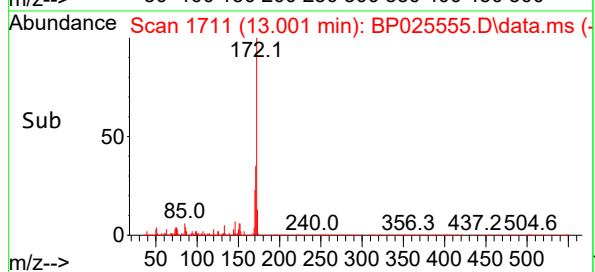
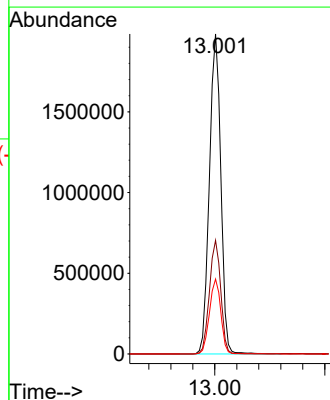
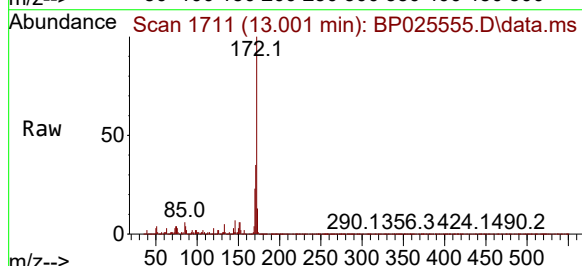
Tgt Ion:172 Resp: 2852203

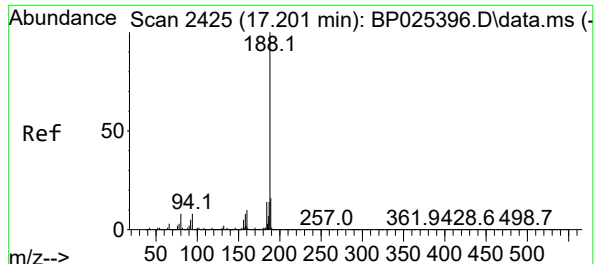
Ion Ratio Lower Upper

172 100

171 35.5 28.1 42.1

170 23.4 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.189 min Scan# 2425

Delta R.T. -0.012 min

Lab File: BP025555.D

Acq: 22 Aug 2025 19:02

Instrument :

BNA_P

ClientSampleId :

ENV-SW03

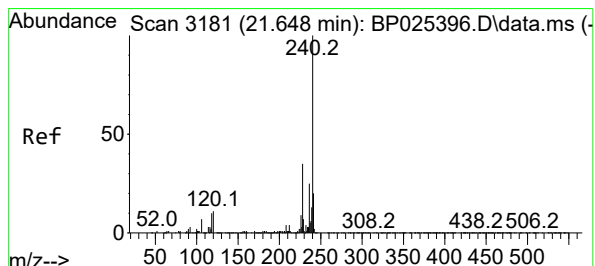
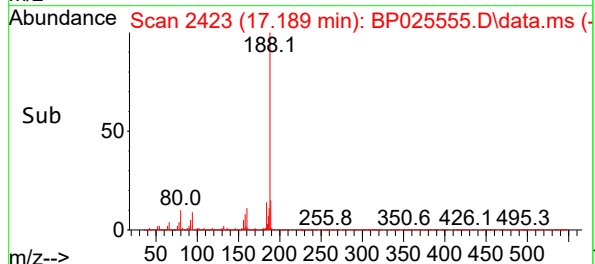
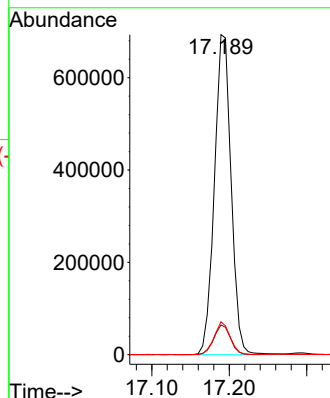
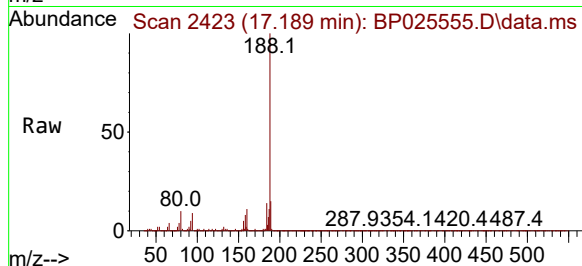
Tgt Ion:188 Resp: 1036598

Ion Ratio Lower Upper

188 100

94 9.3 6.6 10.0

80 10.3 6.7 10.1#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.630 min Scan# 3178

Delta R.T. -0.018 min

Lab File: BP025555.D

Acq: 22 Aug 2025 19:02

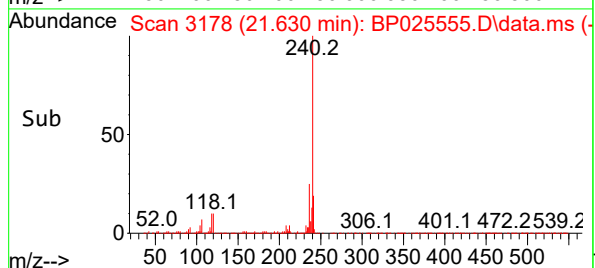
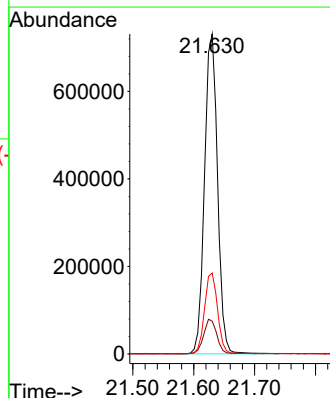
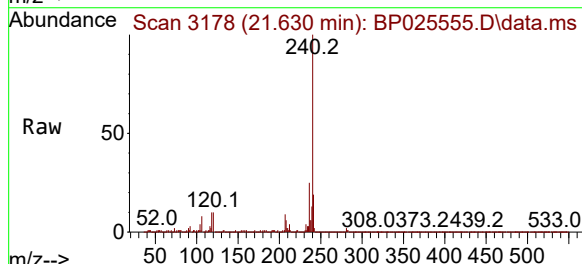
Tgt Ion:240 Resp: 1087225

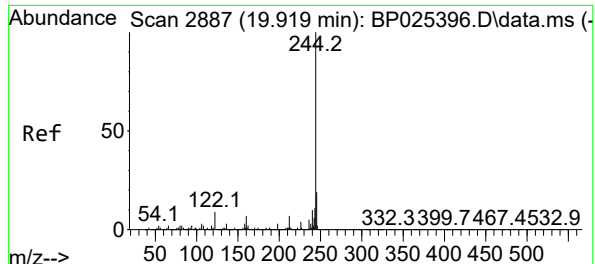
Ion Ratio Lower Upper

240 100

120 10.3 8.9 13.3

236 25.3 19.8 29.8





#79

Terphenyl-d14

Concen: 85.668 ng

RT: 19.913 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025555.D

Acq: 22 Aug 2025 19:02

Instrument :

BNA_P

ClientSampleId :

ENV-SW03

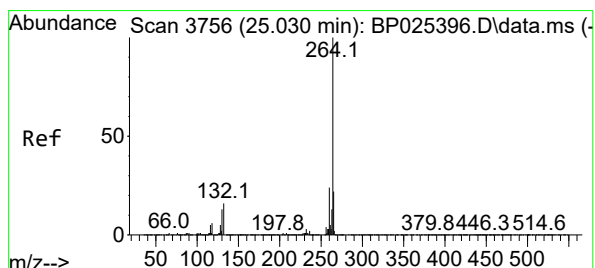
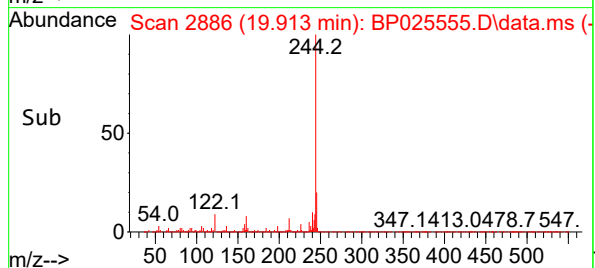
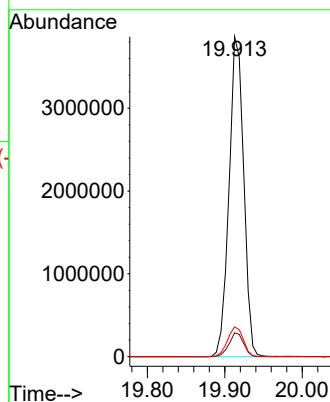
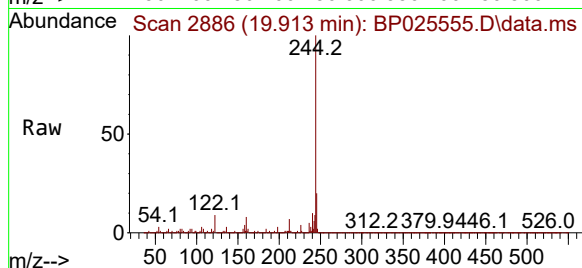
Tgt Ion:244 Resp: 5090800

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 9.3 7.4 11.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.989 min Scan# 3749

Delta R.T. -0.041 min

Lab File: BP025555.D

Acq: 22 Aug 2025 19:02

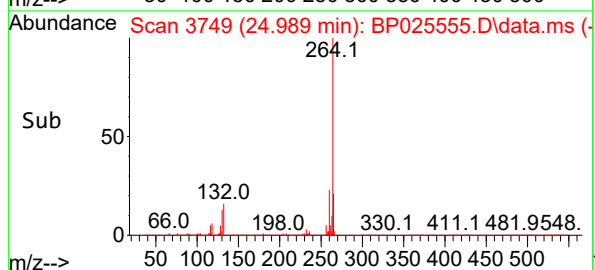
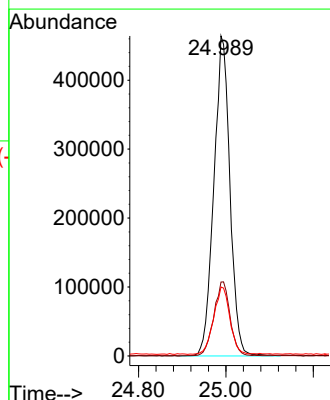
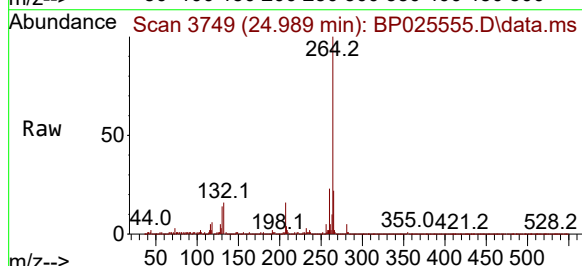
Tgt Ion:264 Resp: 1183123

Ion Ratio Lower Upper

264 100

260 23.1 19.3 28.9

265 21.6 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

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-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025555.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.031	12	16	21	rBV	3323573	3780963	27.30%	6.072%
2	3.072	21	23	33	rVB	129456	171055	1.24%	0.275%
3	4.249	218	223	230	rBV	100957	141940	1.02%	0.228%
4	4.937	334	340	347	rBV	297903	415863	3.00%	0.668%
5	5.402	412	419	428	rBV	2171542	3166552	22.87%	5.085%
6	6.960	677	684	699	rBV	1644692	2705277	19.54%	4.344%
7	7.778	816	823	830	rBV	656979	1005316	7.26%	1.614%
8	8.913	1008	1016	1029	rBV	2238111	3787708	27.35%	6.083%
9	10.543	1285	1293	1309	rBV	806140	1483103	10.71%	2.382%
10	13.001	1704	1711	1730	rBV	5847734	8381573	60.53%	13.460%
11	14.389	1941	1947	1957	rBV	1366236	2063884	14.90%	3.314%
12	15.778	2177	2183	2189	rBV	595267	859409	6.21%	1.380%
13	15.901	2198	2204	2215	rBV	5091616	7515827	54.27%	12.070%
14	16.148	2241	2246	2255	rVB	128024	184081	1.33%	0.296%
15	17.189	2417	2423	2430	rBV	1732110	2614422	18.88%	4.198%
16	17.260	2430	2435	2439	rVV2	180572	230845	1.67%	0.371%
17	18.130	2578	2583	2594	rBV	1494674	2098186	15.15%	3.369%
18	19.460	2805	2809	2820	rBV	550366	790999	5.71%	1.270%
19	19.913	2880	2886	2899	rVB	10341737	13847919	100.00%	22.238%
20	21.301	3117	3122	3128	rBV	536235	866354	6.26%	1.391%
21	21.630	3172	3178	3185	rBV2	1940715	2981871	21.53%	4.789%
22	24.989	3742	3749	3760	rVB	1216251	3177692	22.95%	5.103%

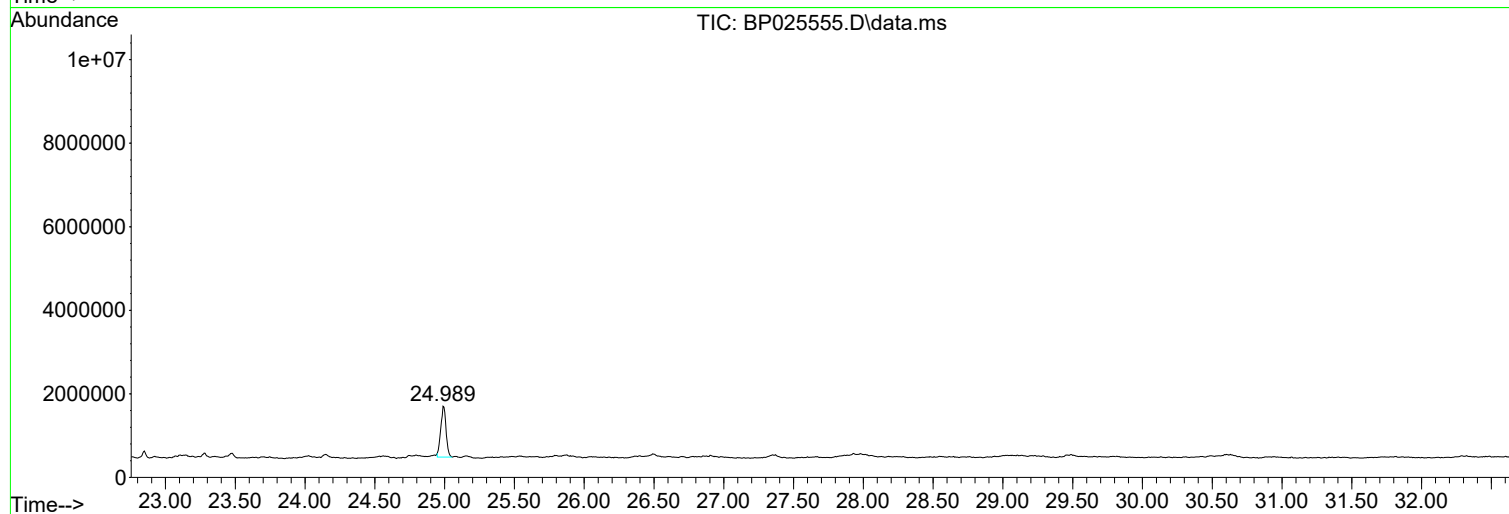
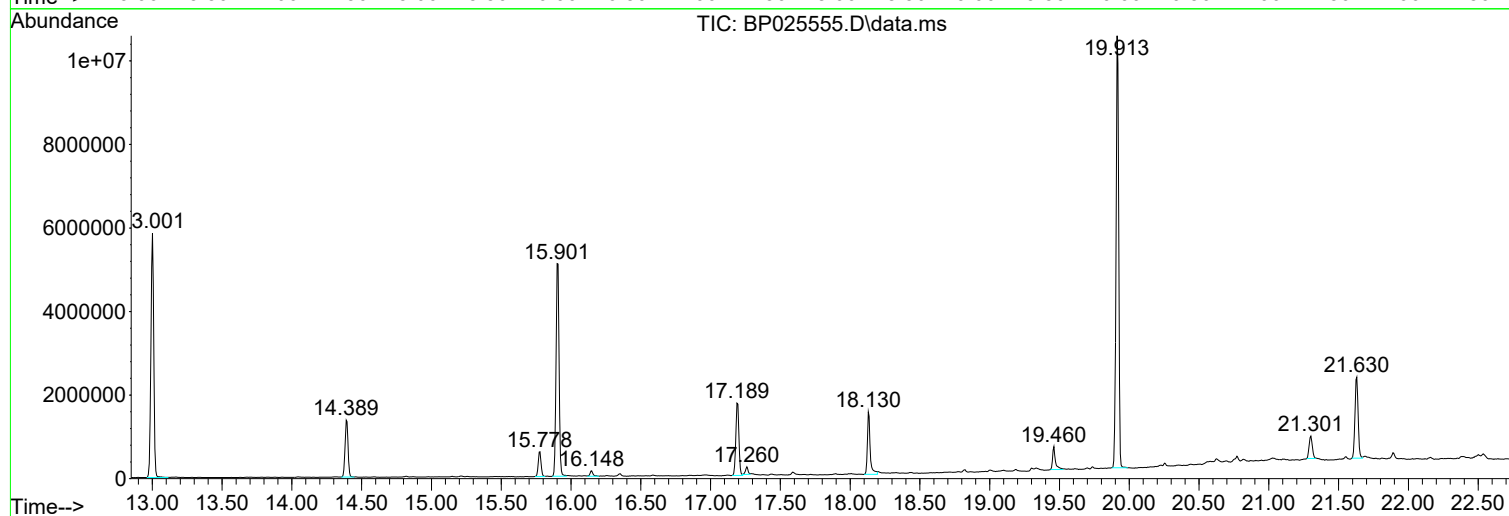
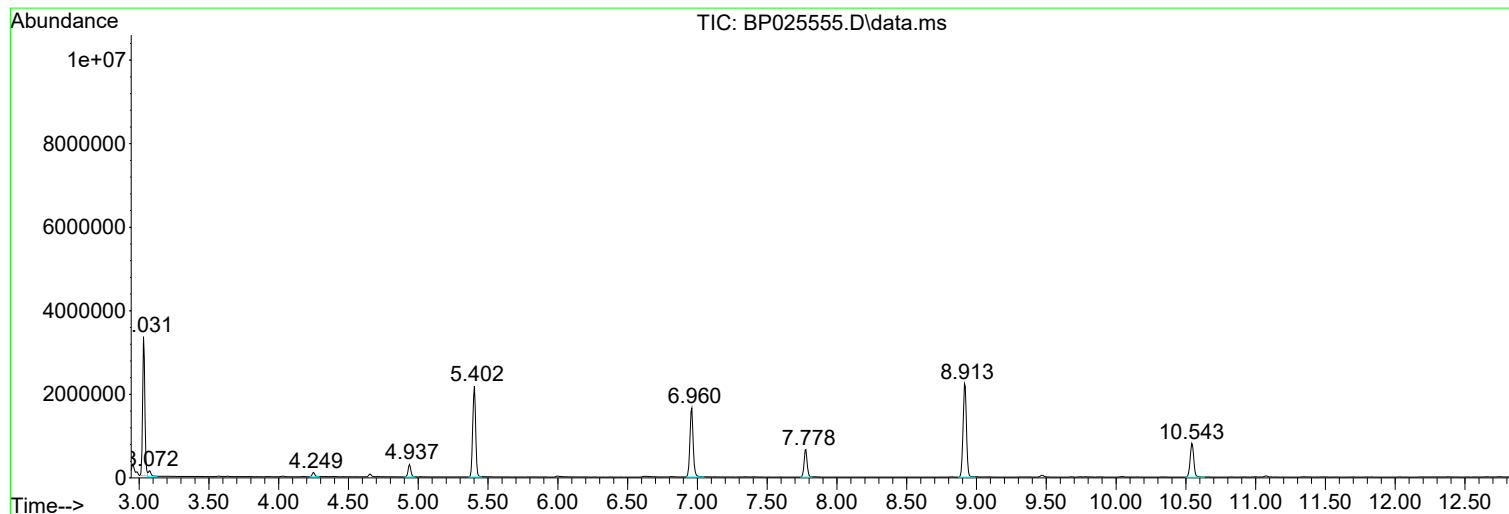
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

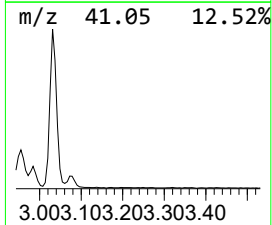
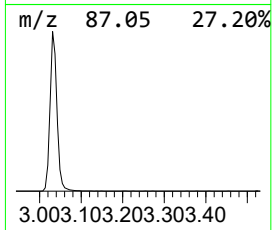
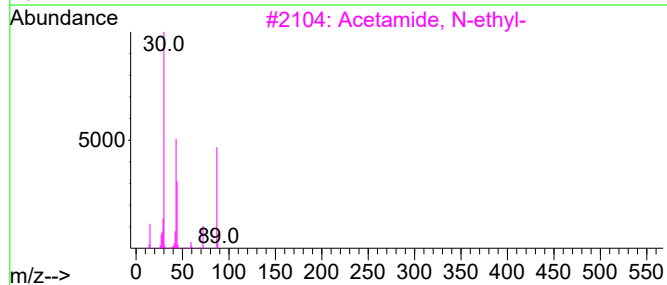
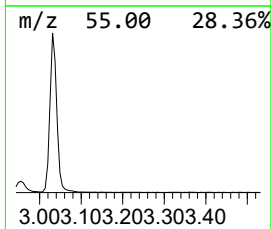
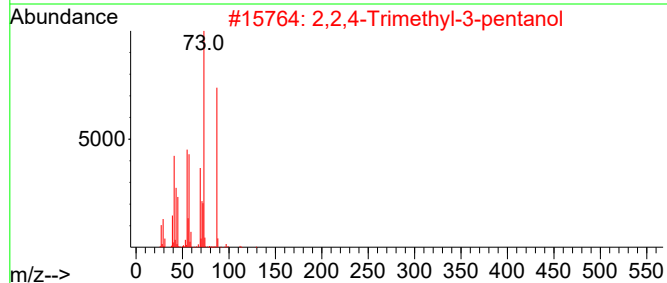
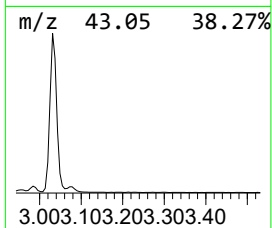
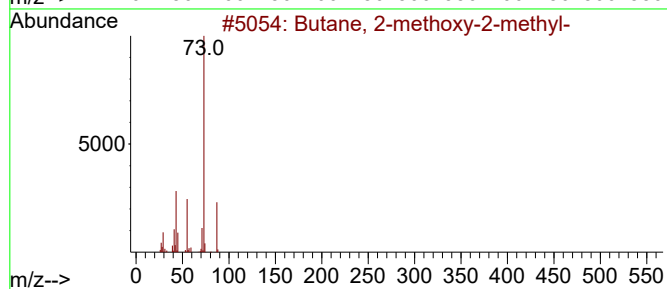
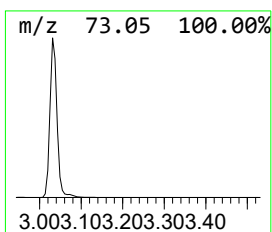
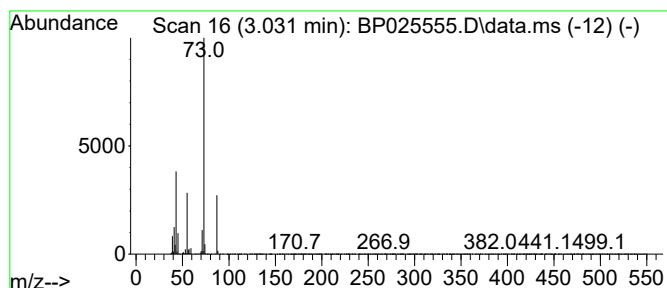
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	75.22 ng	3780960	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

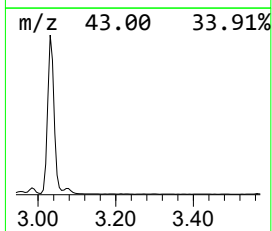
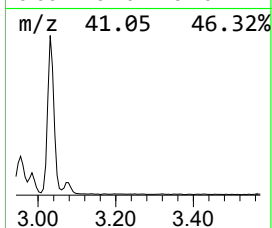
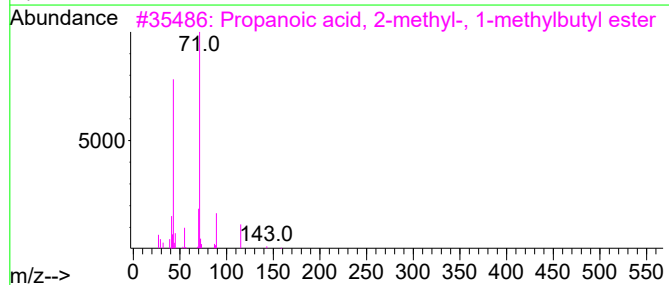
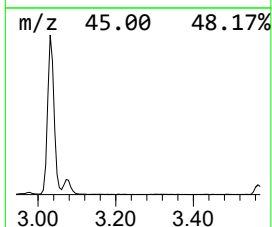
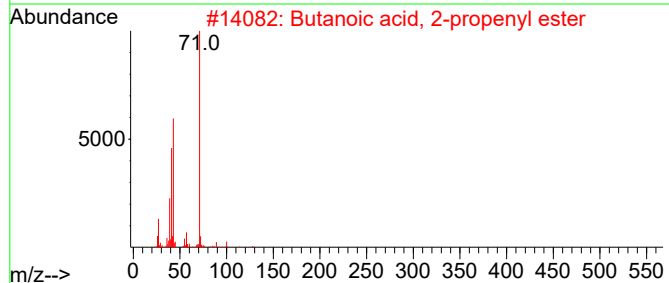
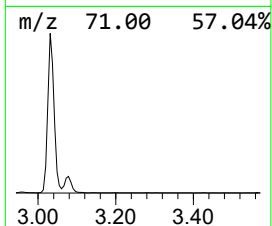
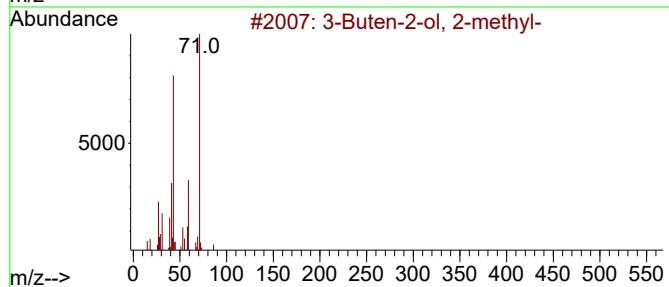
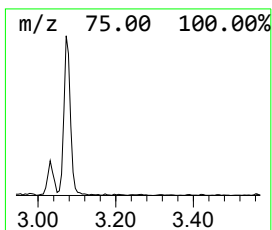
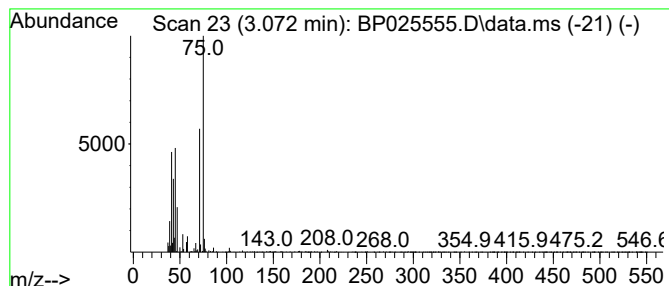
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown3.072 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.072	3.40 ng	171055	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	10
2			Butanoic acid, 2-propenyl ester	128	C7H12O2	002051-78-7	10
3			Propanoic acid, 2-methyl-, 1-met...	158	C9H18O2	054340-93-1	9
4			.+/-.-Tetrahydro-3-furanmethanol	102	C5H10O2	015833-61-1	9
5			Succinic acid, pentyl tetrahydro...	272	C14H24O5	1000329-86-3	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

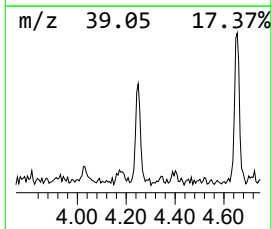
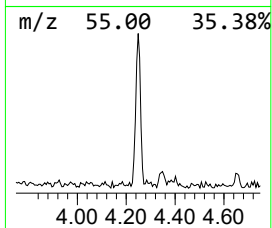
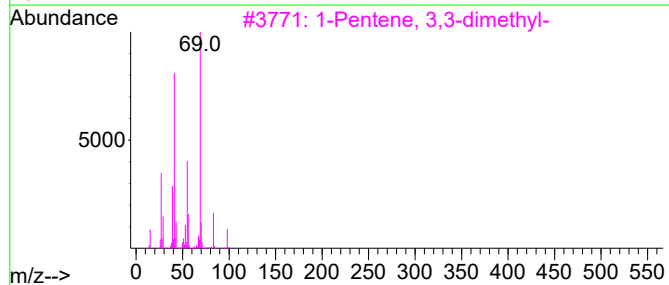
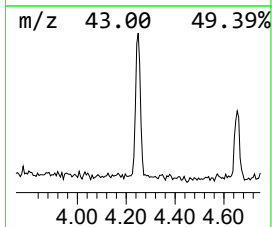
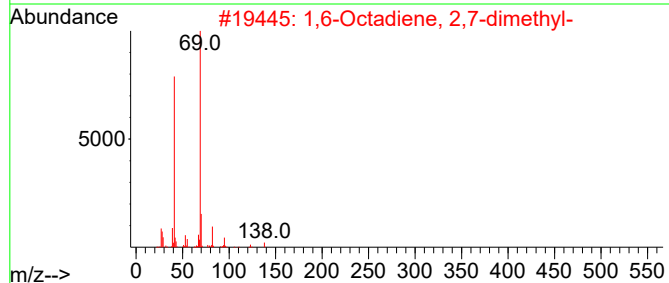
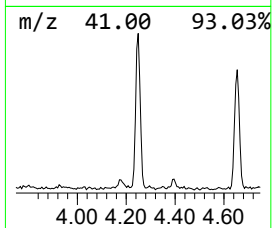
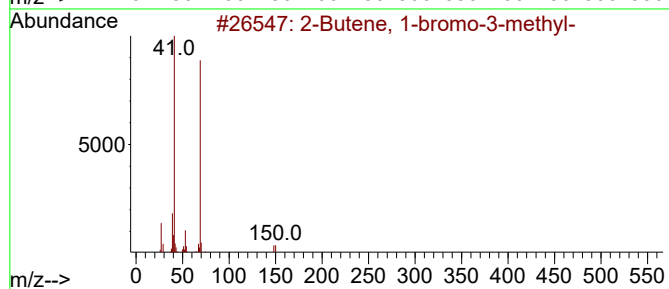
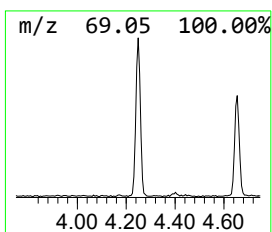
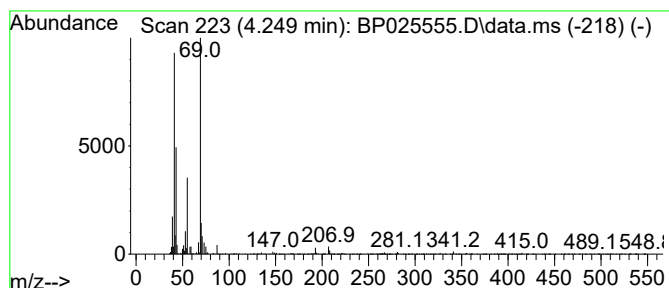
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Butene, 1-bromo-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.249	2.82 ng	141940	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	53		
2	1,6-Octadiene, 2,7-dimethyl-	138	C10H18	040195-09-3	45		
3	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	45		
4	2-Butyn-1-ol	70	C4H6O	000764-01-2	45		
5	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	36		



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

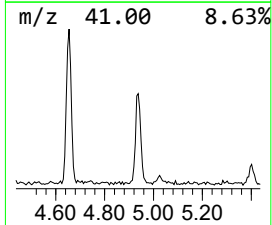
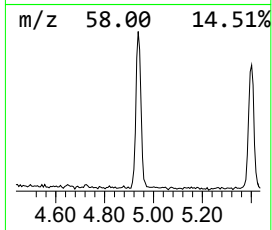
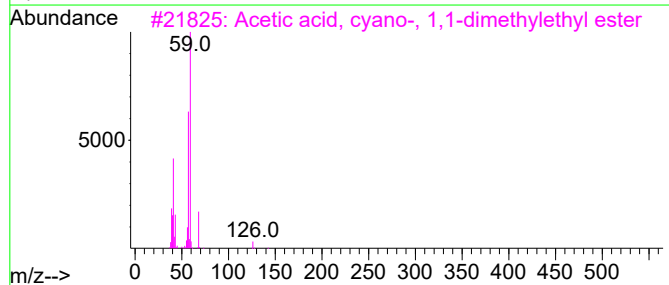
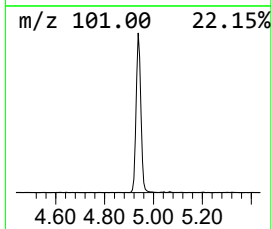
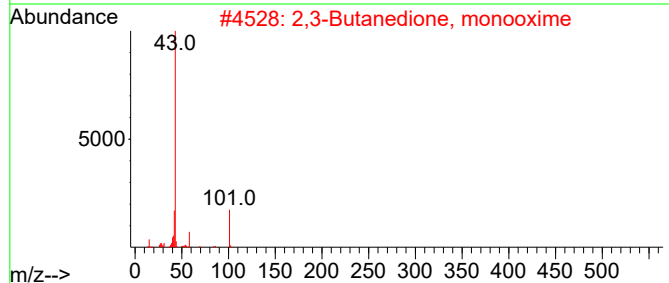
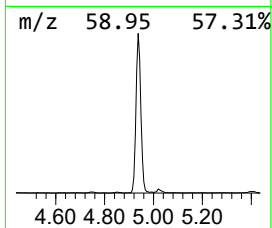
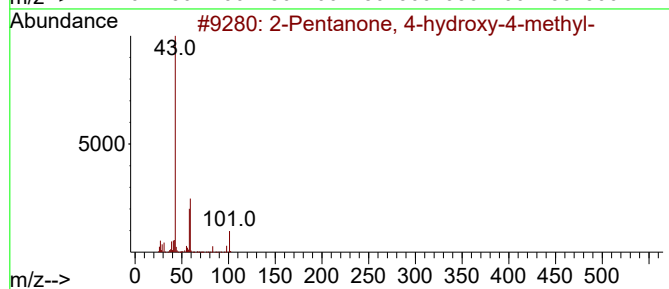
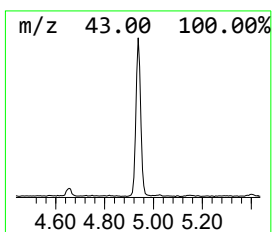
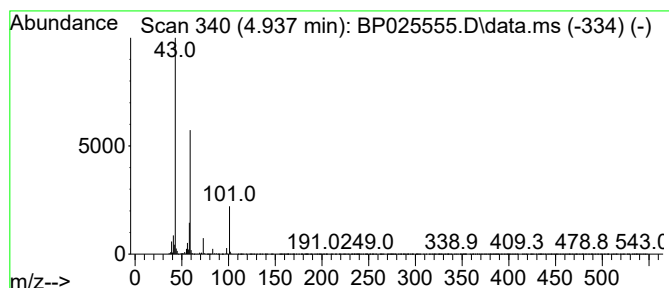
Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.937	8.27 ng	415863	1,4-Dichlorobenzene-d4	7.778	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	17
5	Formamide, N,N-diethyl-	101	C5H11NO	000617-84-5	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

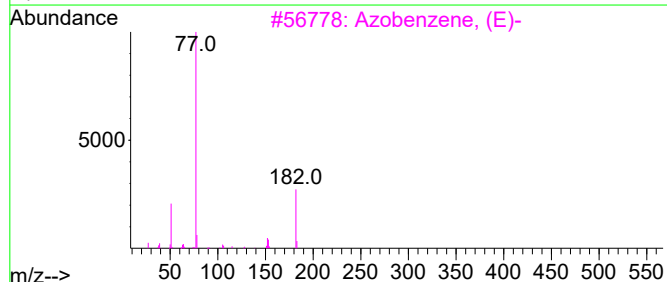
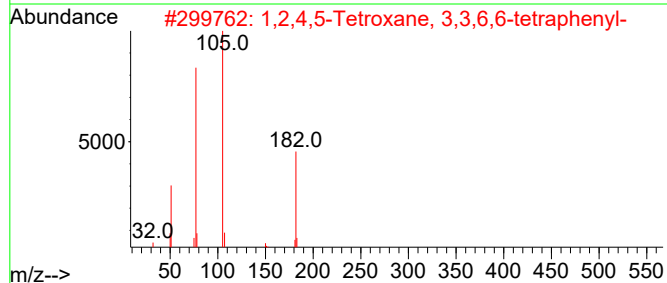
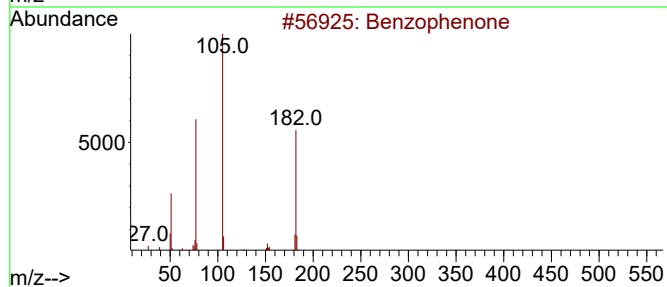
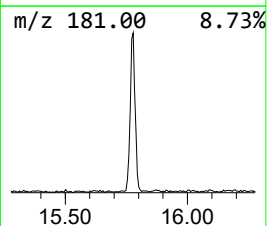
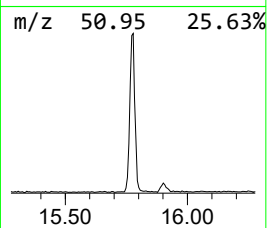
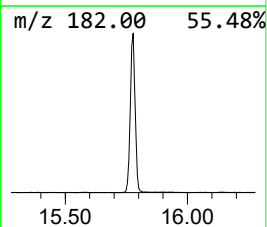
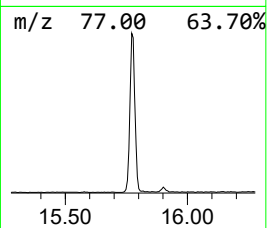
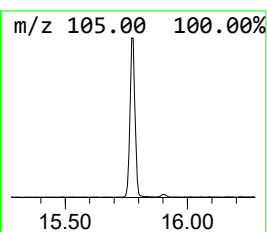
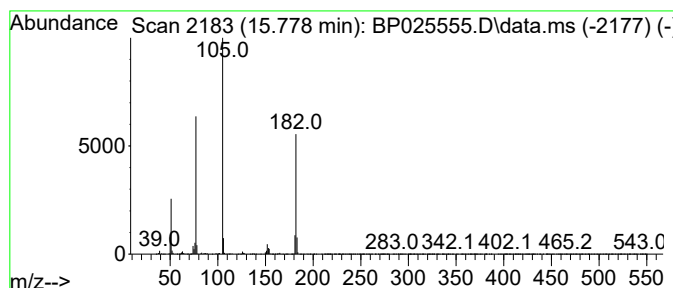
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.778	8.33 ng	859409	Acenaphthene-d10	14.389

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3			Azobenzene, (E)-	182	C12H10N2	017082-12-1	59
4			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
5			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

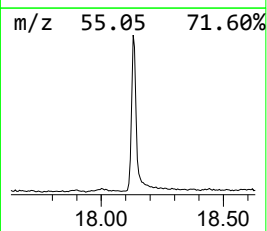
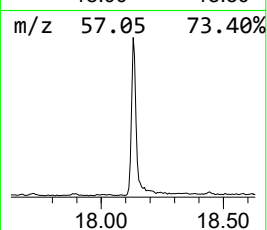
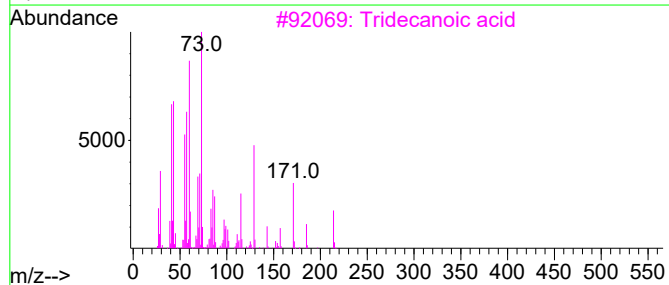
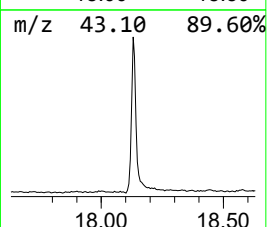
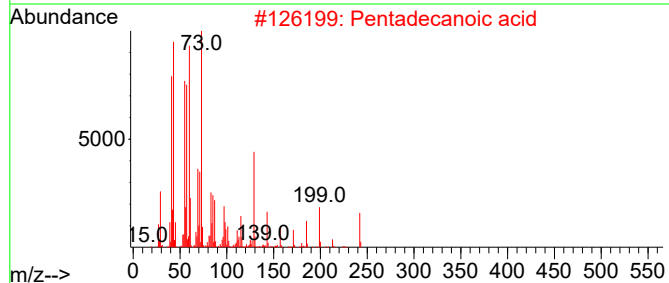
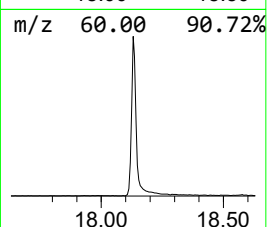
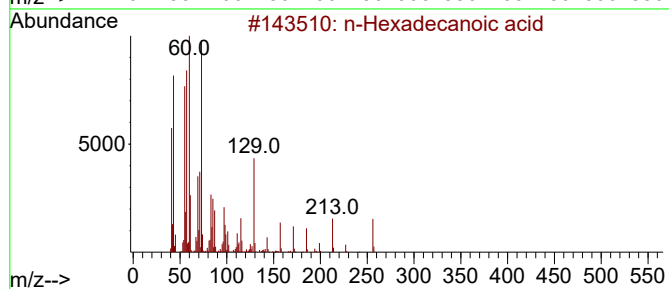
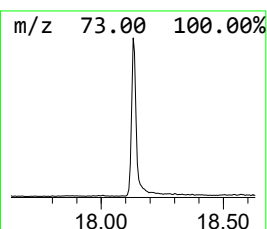
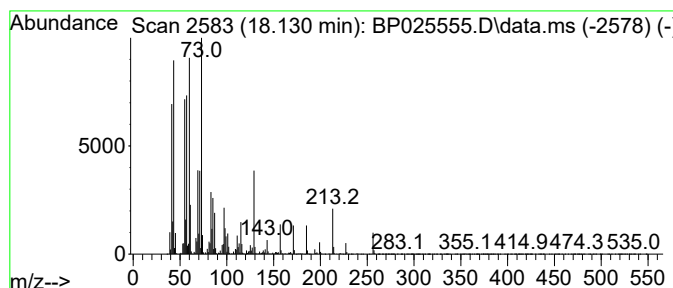
Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.130	16.05 ng	2098190	Phenanthrene-d10	17.189	
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	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	92
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

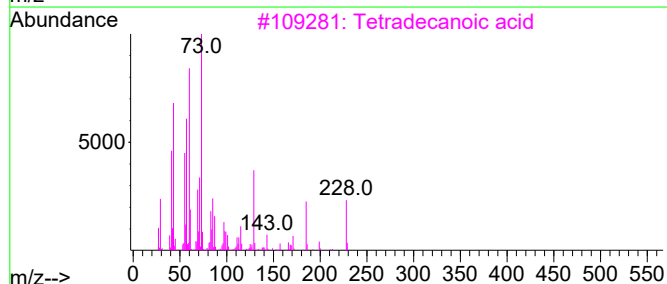
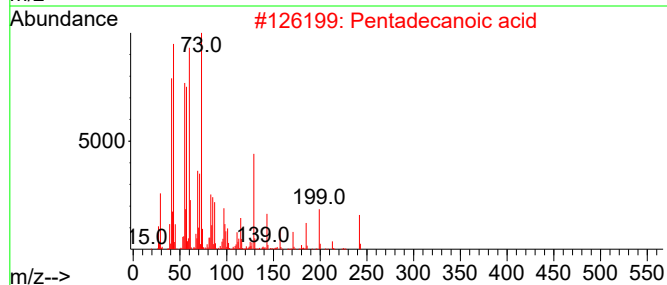
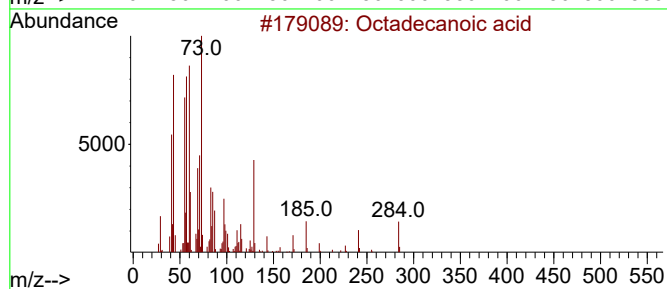
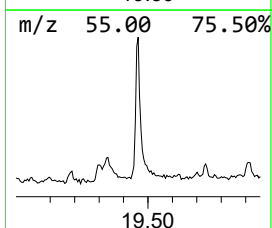
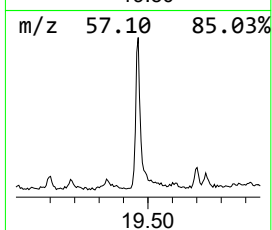
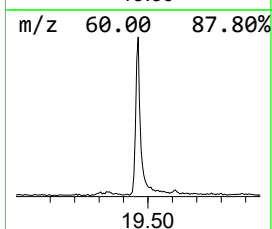
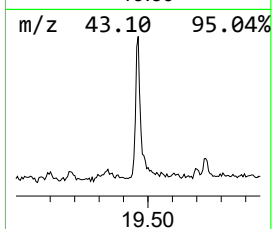
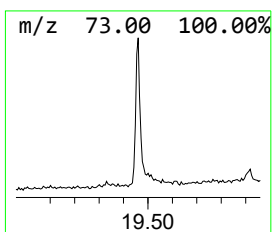
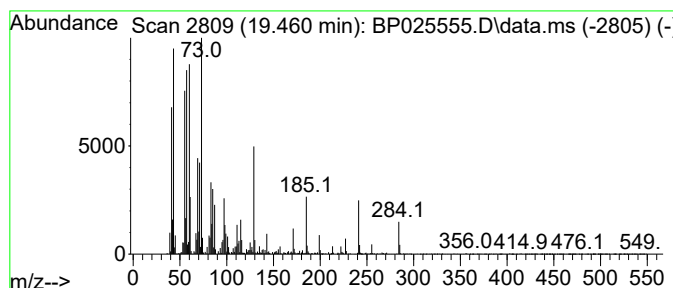
Instrument :
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ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.460	5.31 ng	790999	Chrysene-d12		21.630	
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	Tetradecanoic acid		228	C14H28O2	000544-63-8	87
4	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	83
5	n-Decanoic acid		172	C10H20O2	000334-48-5	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

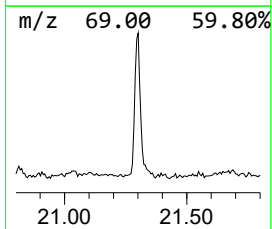
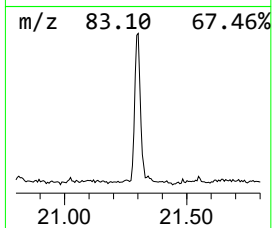
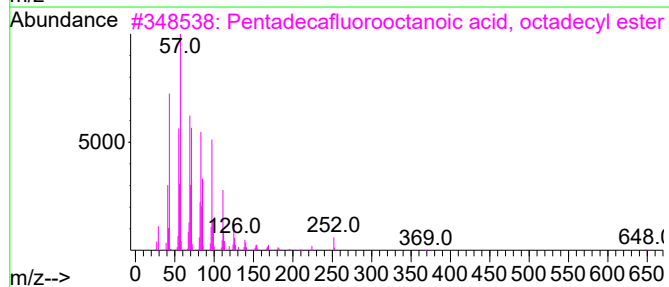
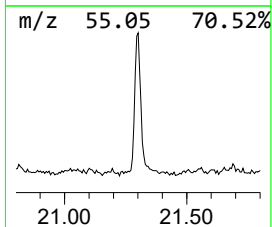
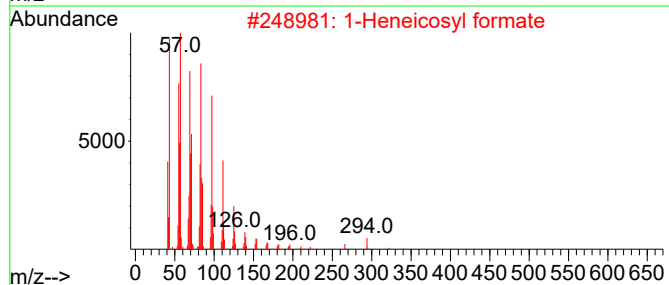
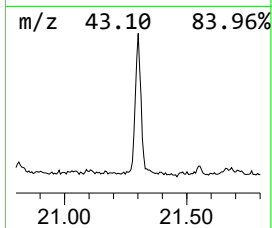
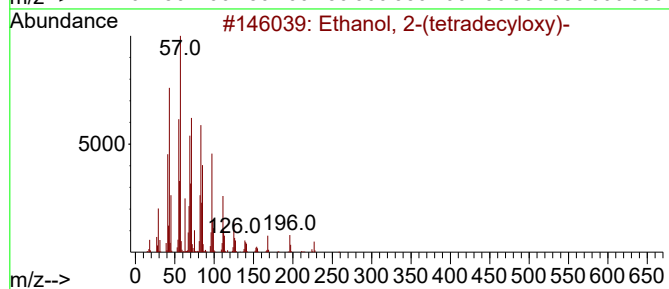
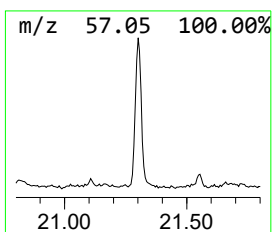
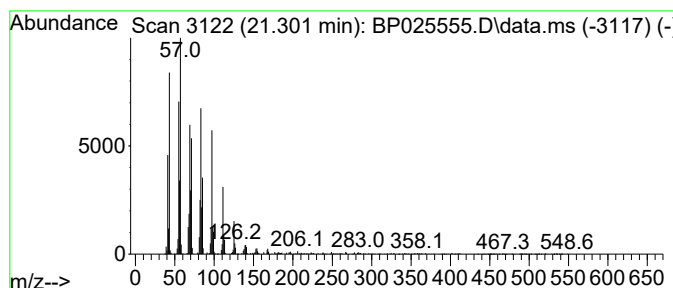
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Ethanol, 2-(tetradecyloxy)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.301	5.81 ng	866354	Chrysene-d12	21.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	95
2			1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
3			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4			1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	93
5			2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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
Butane, 2-metho...	3.031	75.2	ng	3780960	1	7.778	1005320	20.0
unknown3.072	3.072	3.4	ng	171055	1	7.778	1005320	20.0
2-Butene, 1-bro...	4.249	2.8	ng	141940	1	7.778	1005320	20.0
2-Pentanone, 4-...	4.937	8.3	ng	415863	1	7.778	1005320	20.0
Benzophenone	15.778	8.3	ng	859409	3	14.389	2063880	20.0
n-Hexadecanoic ...	18.130	16.1	ng	2098190	4	17.189	2614420	20.0
Octadecanoic acid	19.460	5.3	ng	790999	5	21.630	2981870	20.0
Ethanol, 2-(tet...	21.301	5.8	ng	866354	5	21.630	2981870	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Aug 25 01:19:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	193608	20.000	ng	-0.02
21) Naphthalene-d8	10.548	136	812188	20.000	ng	-0.01
39) Acenaphthene-d10	14.389	164	530149	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	1097906	20.000	ng	-0.01
76) Chrysene-d12	21.624	240	1088352	20.000	ng	-0.02
86) Perylene-d12	24.983	264	1208913	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	968050	83.036	ng	0.00
7) Phenol-d6	6.960	99	1078216	72.137	ng	0.00
23) Nitrobenzene-d5	8.919	82	1297900	80.837	ng	-0.02
42) 2,4,6-Tribromophenol	15.901	330	951215	133.301	ng	-0.01
45) 2-Fluorobiphenyl	13.001	172	2894400	74.615	ng	-0.02
79) Terphenyl-d14	19.913	244	4468794	75.123	ng	0.00

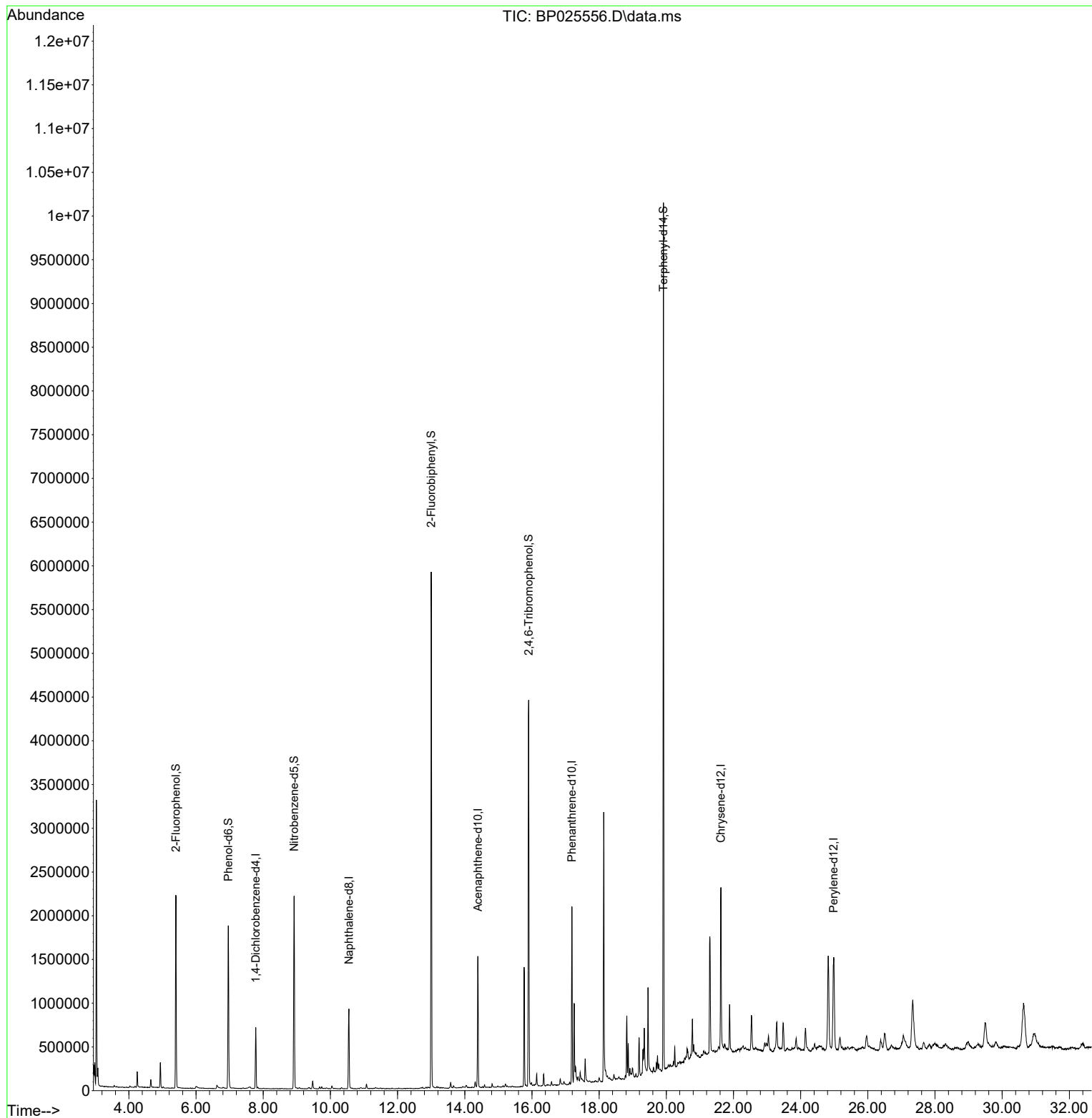
Target Compounds	Qvalue

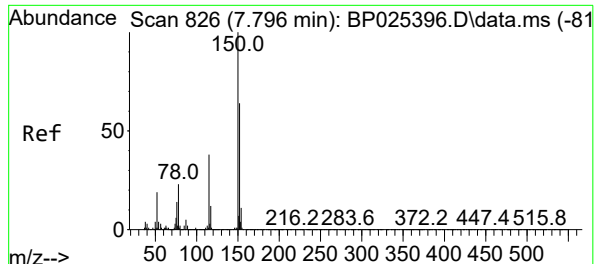
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Time: Aug 25 01:19:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

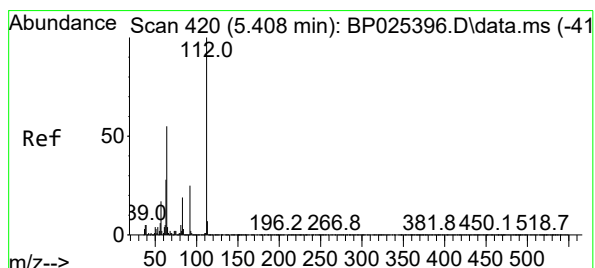
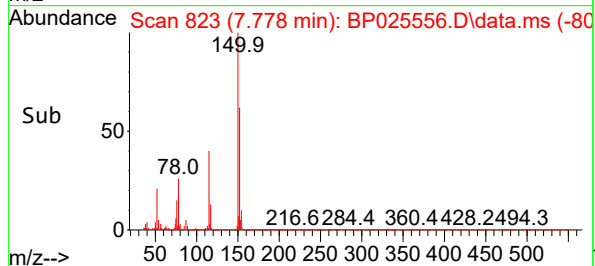
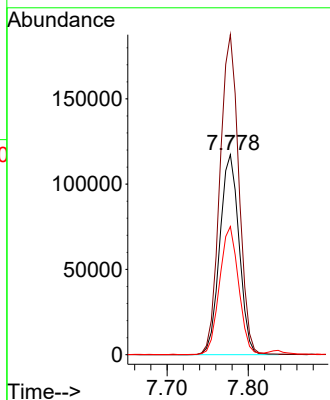
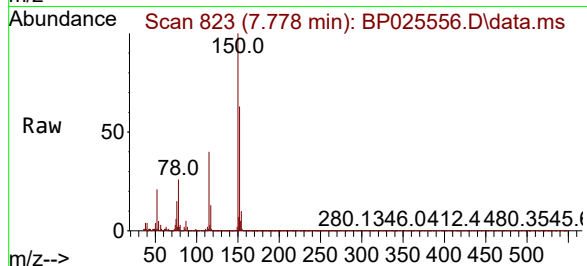




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

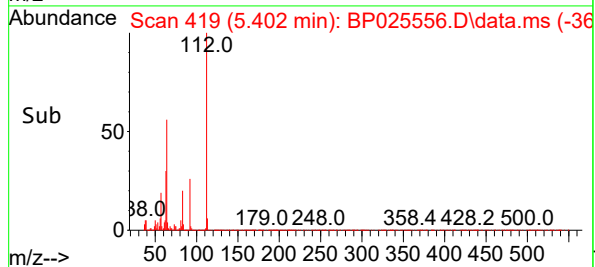
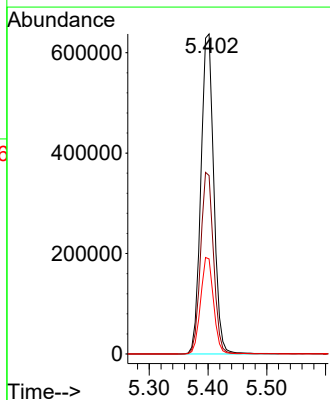
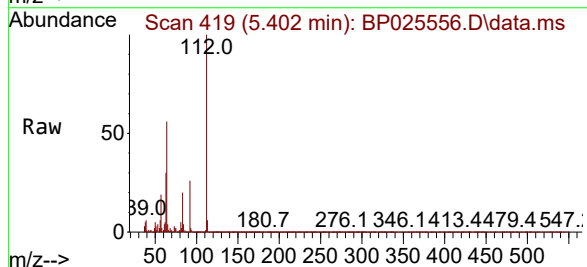
Instrument :
BNA_P
ClientSampleId :
ENV-SW04

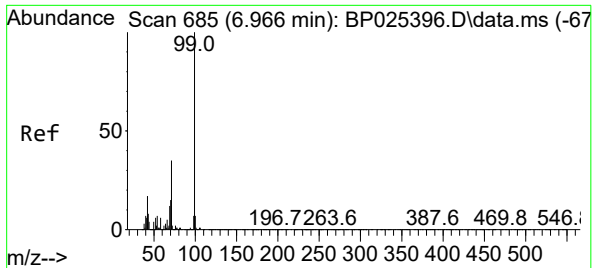
Tgt Ion:152 Resp: 193608
Ion Ratio Lower Upper
152 100
150 160.0 125.9 188.9
115 64.1 48.5 72.7



#5
2-Fluorophenol
Concen: 83.036 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Tgt Ion:112 Resp: 968050
Ion Ratio Lower Upper
112 100
64 55.7 43.8 65.8
63 29.7 22.7 34.1

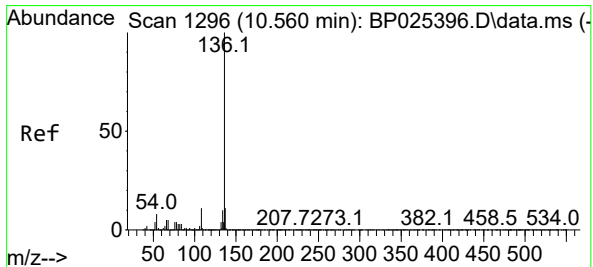
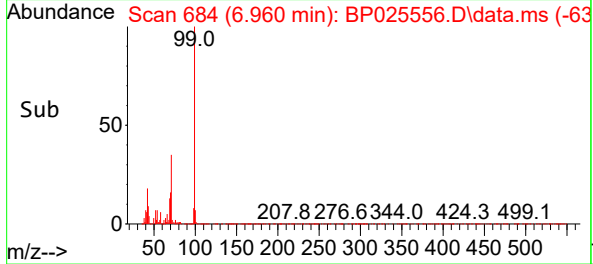
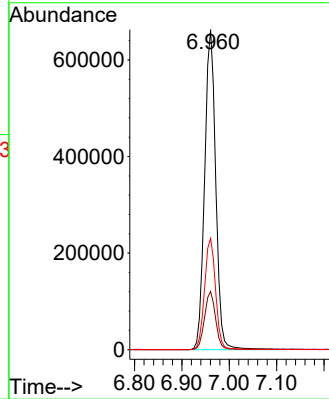
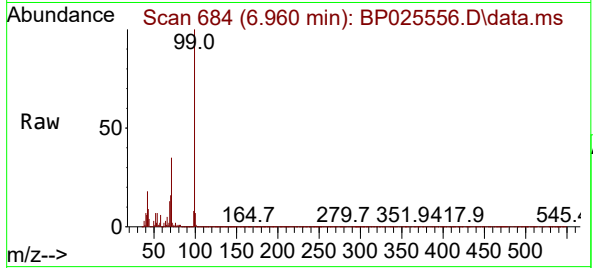




#7
Phenol-d6
Concen: 72.137 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

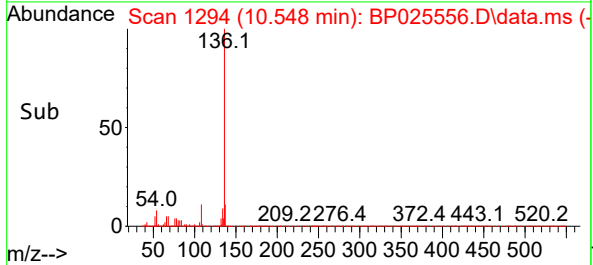
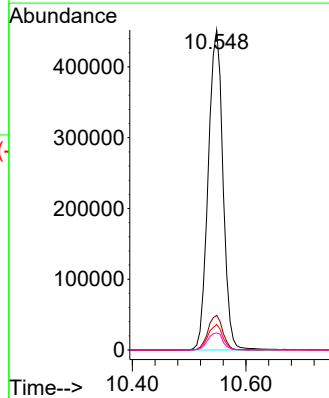
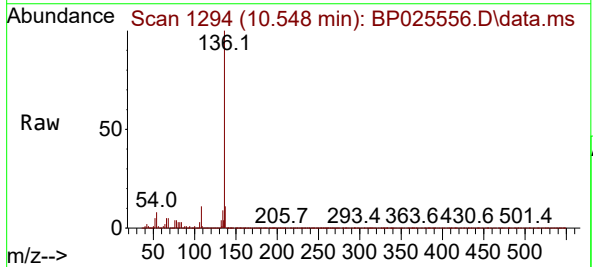
Instrument :
BNA_P
ClientSampleId :
ENV-SW04

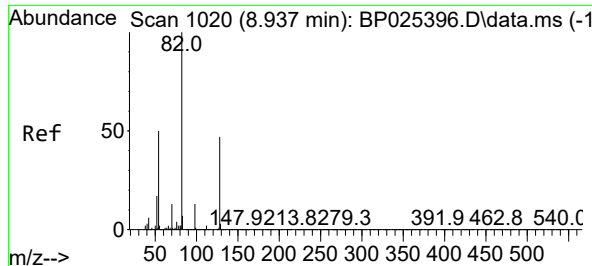
Tgt Ion: 99 Resp: 1078216
Ion Ratio Lower Upper
99 100
42 18.2 13.7 20.5
71 34.8 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.548 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Tgt Ion: 136 Resp: 812188
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 7.9 6.0 9.0
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 80.837 ng

RT: 8.919 min Scan# 1017

Delta R.T. -0.018 min

Lab File: BP025556.D

Acq: 22 Aug 2025 19:43

Instrument :

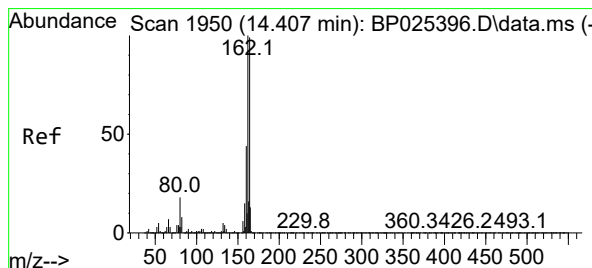
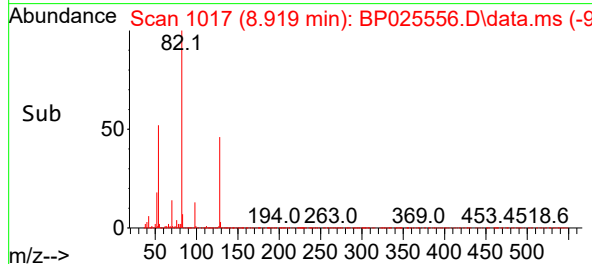
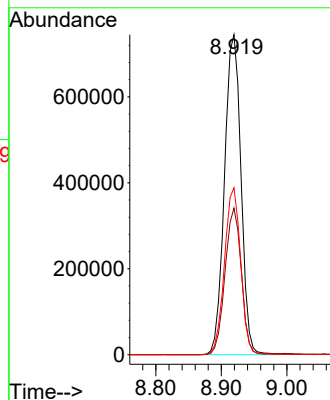
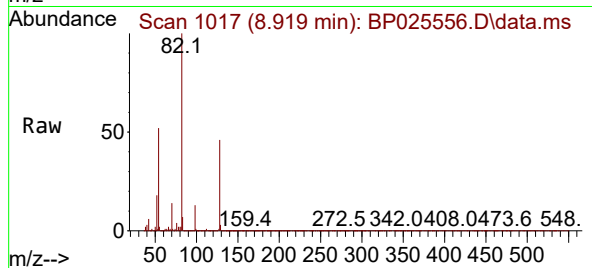
BNA_P

ClientSampleId :

ENV-SW04

Tgt Ion: 82 Resp: 1297900

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.7	56.5
54	52.1	39.8	59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.389 min Scan# 1947

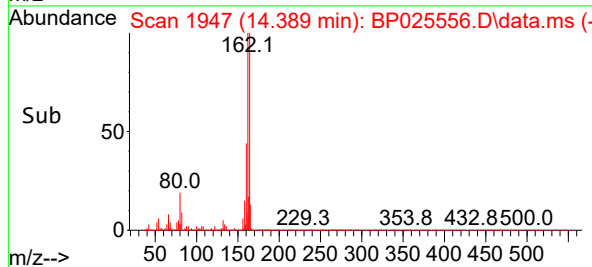
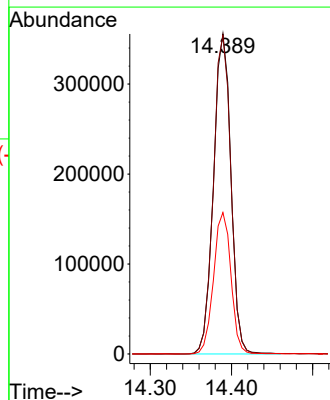
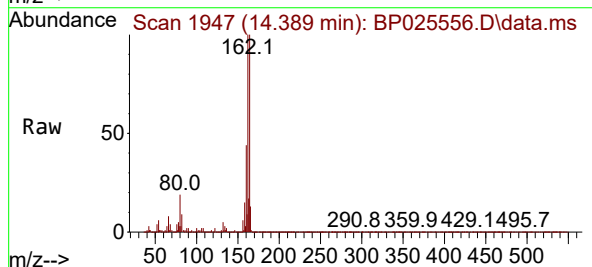
Delta R.T. -0.018 min

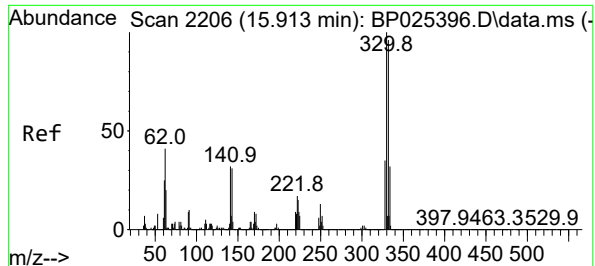
Lab File: BP025556.D

Acq: 22 Aug 2025 19:43

Tgt Ion:164 Resp: 530149

Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.0	121.6
160	44.2	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 133.301 ng

RT: 15.901 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025556.D

Acq: 22 Aug 2025 19:43

Instrument :

BNA_P

ClientSampleId :

ENV-SW04

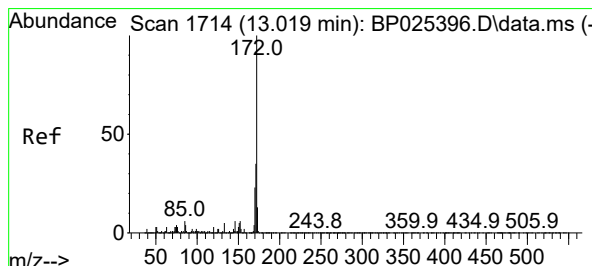
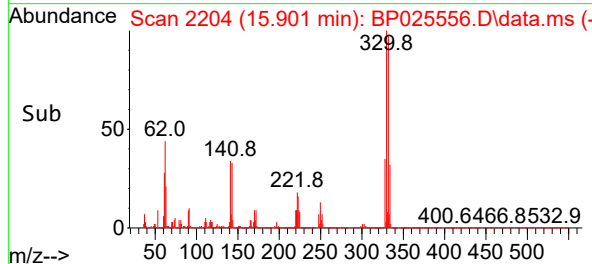
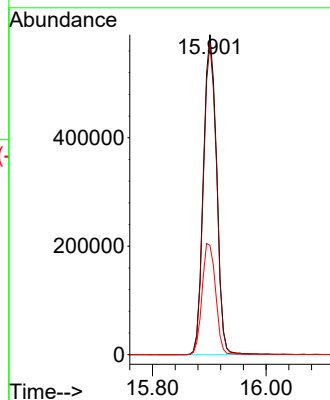
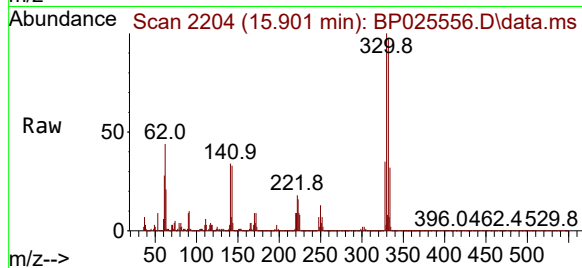
Tgt Ion:330 Resp: 951215

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

141 35.8 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 74.615 ng

RT: 13.001 min Scan# 1711

Delta R.T. -0.018 min

Lab File: BP025556.D

Acq: 22 Aug 2025 19:43

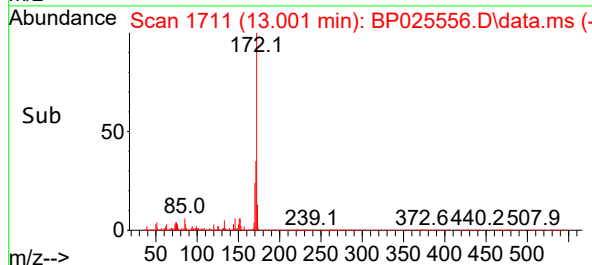
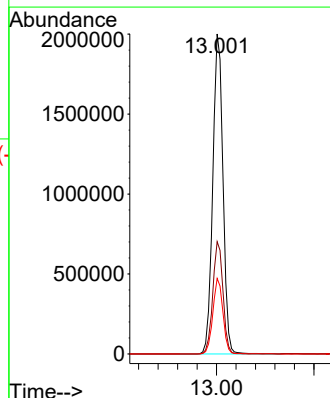
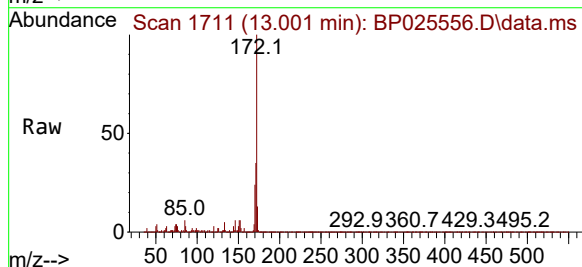
Tgt Ion:172 Resp: 2894400

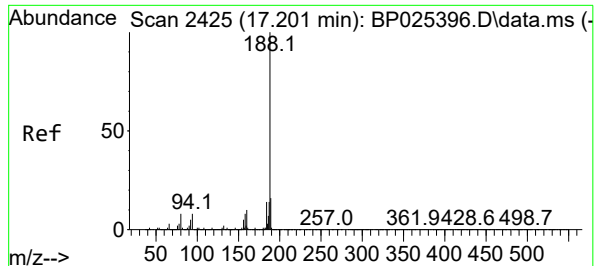
Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 23.6 18.6 28.0

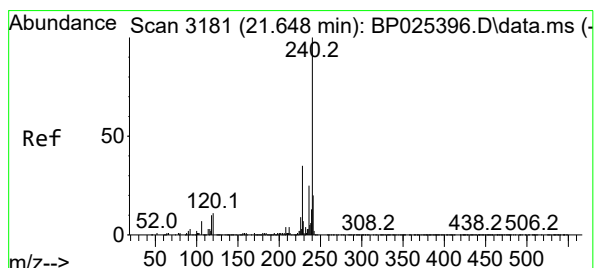
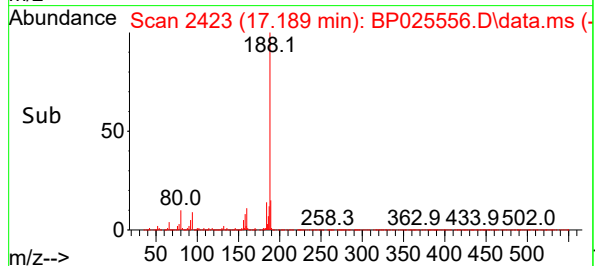
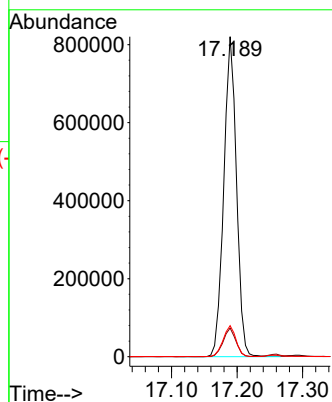
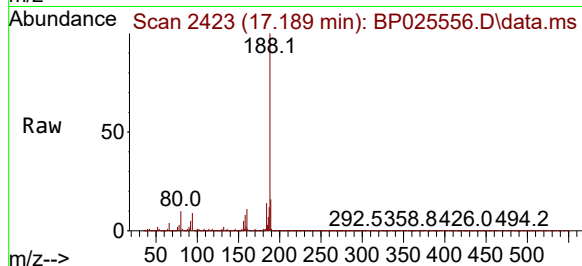




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2425
Delta R.T. -0.012 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

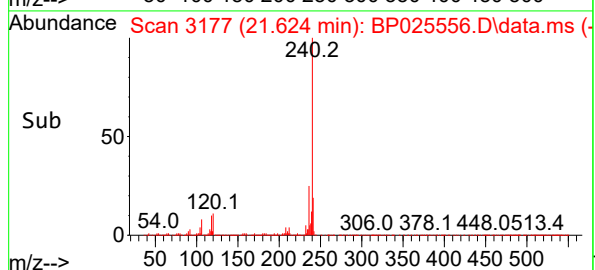
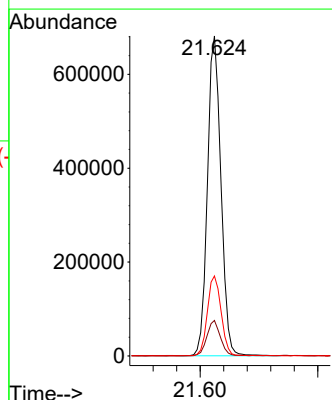
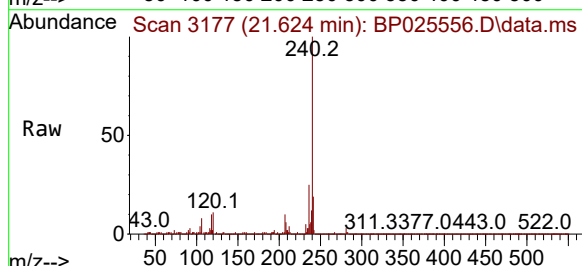
Instrument :
BNA_P
ClientSampleId :
ENV-SW04

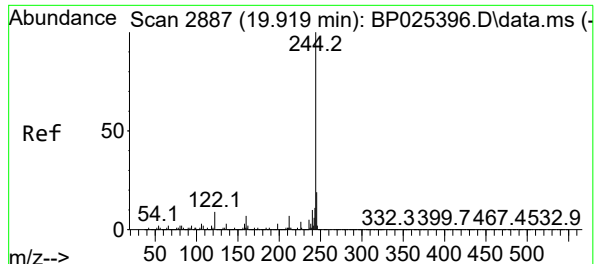
Tgt Ion:188 Resp: 1097906
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.7 6.7 10.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.624 min Scan# 3177
Delta R.T. -0.024 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Tgt Ion:240 Resp: 1088352
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 25.0 19.8 29.8





#79

Terphenyl-d14

Concen: 75.123 ng

RT: 19.913 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025556.D

Acq: 22 Aug 2025 19:43

Instrument :

BNA_P

ClientSampleId :

ENV-SW04

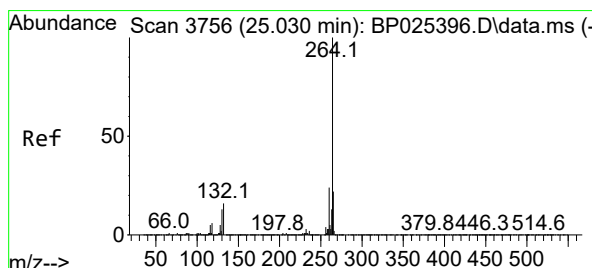
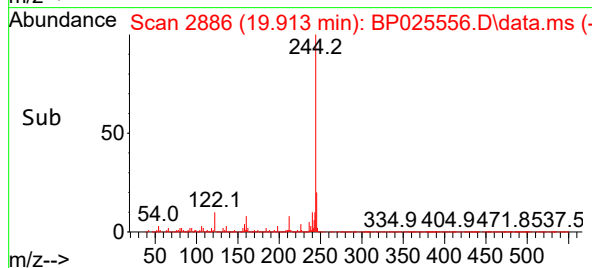
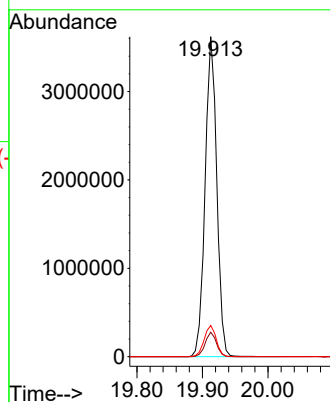
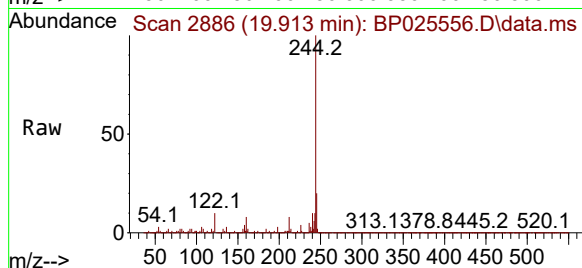
Tgt Ion:244 Resp: 4468794

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 9.8 7.4 11.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.983 min Scan# 3748

Delta R.T. -0.047 min

Lab File: BP025556.D

Acq: 22 Aug 2025 19:43

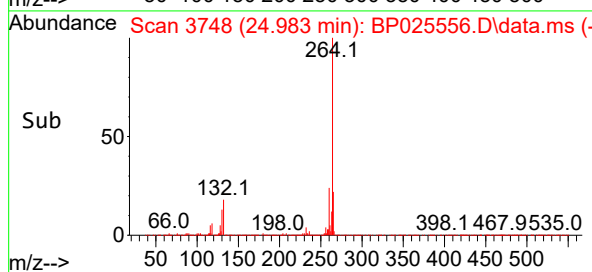
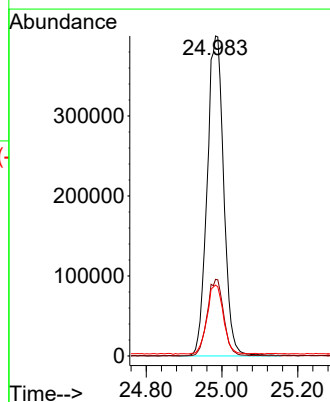
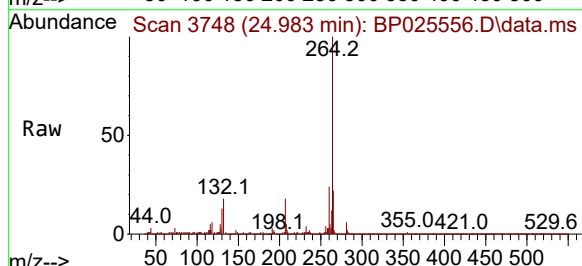
Tgt Ion:264 Resp: 1208913

Ion Ratio Lower Upper

264 100

260 23.9 19.3 28.9

265 22.2 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

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-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025556.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.984	6	8	12	rVB	240435	232519	1.90%	0.278%
2	3.031	12	16	21	rVV	3251520	3746956	30.55%	4.472%
3	3.078	21	24	33	rVB	207282	273669	2.23%	0.327%
4	4.249	218	223	232	rBV	179342	251233	2.05%	0.300%
5	4.649	287	291	298	rBV	89500	133856	1.09%	0.160%
6	4.937	334	340	350	rVB2	290373	422546	3.44%	0.504%
7	5.396	412	418	429	rBV	2205208	3345293	27.27%	3.993%
8	6.960	676	684	698	rBV	1860555	3086796	25.16%	3.684%
9	7.778	814	823	830	rBV	696770	1141208	9.30%	1.362%
10	8.919	1007	1017	1026	rBV	2202472	3828549	31.21%	4.570%
11	9.472	1104	1111	1129	rVB	86176	160504	1.31%	0.192%
12	10.548	1285	1294	1306	rBV	913360	1664855	13.57%	1.987%
13	13.001	1704	1711	1732	rBV	5900425	8496784	69.27%	10.142%
14	14.307	1927	1933	1940	rBV2	64121	126925	1.03%	0.151%
15	14.389	1940	1947	1954	rVB	1494126	2236004	18.23%	2.669%
16	15.766	2176	2181	2188	rBV	1362562	1900247	15.49%	2.268%
17	15.901	2197	2204	2216	rBV	4415838	7335772	59.80%	8.756%
18	16.142	2241	2245	2253	rVB	138800	196764	1.60%	0.235%
19	16.348	2275	2280	2289	rVB	136115	213671	1.74%	0.255%
20	16.842	2359	2364	2371	rBV	66924	127918	1.04%	0.153%
21	17.189	2417	2423	2430	rBV2	2028055	2776052	22.63%	3.313%
22	17.254	2430	2434	2439	rBV	899904	1291153	10.53%	1.541%
23	17.295	2439	2441	2446	rVB	122922	166564	1.36%	0.199%
24	17.436	2461	2465	2471	rBV	97953	170848	1.39%	0.204%
25	17.583	2486	2490	2497	rBV2	261213	412889	3.37%	0.493%
26	18.136	2578	2584	2592	rBV	3081590	4214241	34.36%	5.030%
27	18.824	2696	2701	2704	rBV	703685	918478	7.49%	1.096%
28	18.866	2704	2708	2713	rVB	373704	448105	3.65%	0.535%
29	18.913	2713	2716	2721	rBV	83916	129273	1.05%	0.154%
30	18.989	2726	2729	2739	rVB3	105482	226797	1.85%	0.271%
31	19.189	2758	2763	2772	rBV	438125	631737	5.15%	0.754%
32	19.307	2778	2783	2785	rBV	274506	409340	3.34%	0.489%
33	19.342	2785	2789	2802	rVV2	511292	972614	7.93%	1.161%
34	19.454	2804	2808	2823	rVB	960452	1354942	11.05%	1.617%
35	19.736	2853	2856	2860	rVV	152436	180921	1.47%	0.216%
36	19.913	2880	2886	2895	rBV	9920399	12266354	100.00%	14.641%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

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-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	20.254	2940	2944	2949	rVB	229946	296891	2.42%	0.354%
38	20.618	3003	3006	3009	rBV4	103537	146076	1.19%	0.174%
39	20.777	3027	3033	3036	rBV2	402278	594171	4.84%	0.709%
40	21.295	3116	3121	3137	rBV2	1327194	2602919	21.22%	3.107%
41	21.624	3171	3177	3190	rBV	1844898	3089588	25.19%	3.688%
42	21.883	3217	3221	3227	rVB2	508094	719756	5.87%	0.859%
43	22.536	3327	3332	3343	rVB2	392850	800070	6.52%	0.955%
44	23.289	3455	3460	3468	rVB	291167	594091	4.84%	0.709%
45	23.477	3488	3492	3502	rVB	322187	701467	5.72%	0.837%
46	24.142	3601	3605	3614	rVB	225659	436459	3.56%	0.521%
47	24.818	3713	3720	3732	rVB	1042851	2777500	22.64%	3.315%
48	24.983	3740	3748	3762	rVB2	1058150	3145905	25.65%	3.755%
49	27.336	4139	4148	4172	rVB2	546860	2384784	19.44%	2.846%

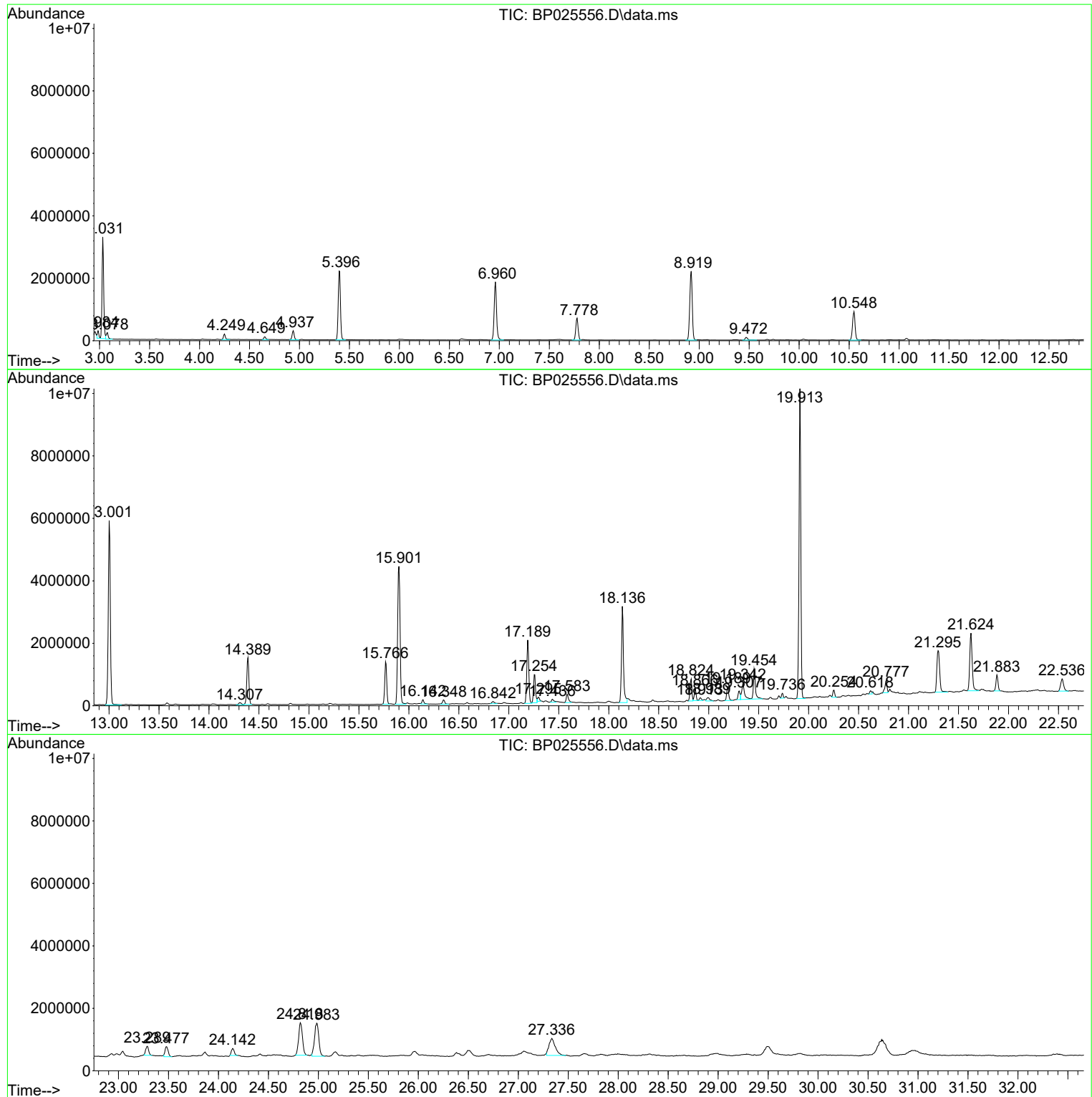
Sum of corrected areas: 83782054

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

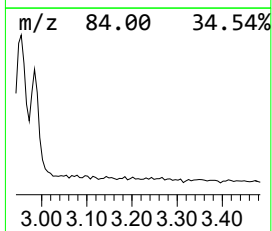
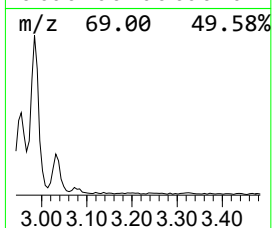
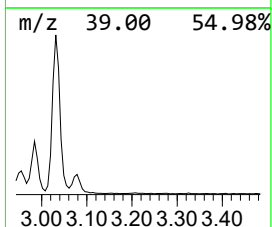
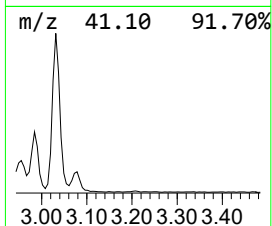
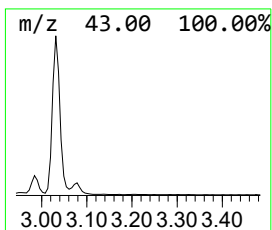
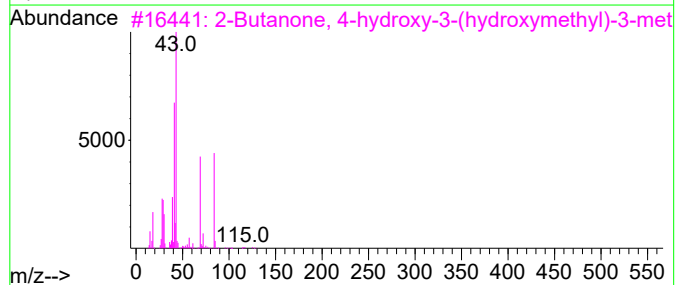
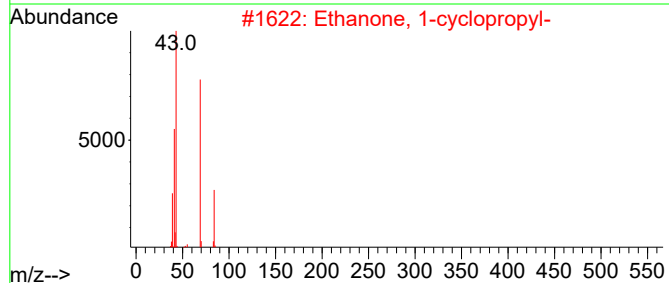
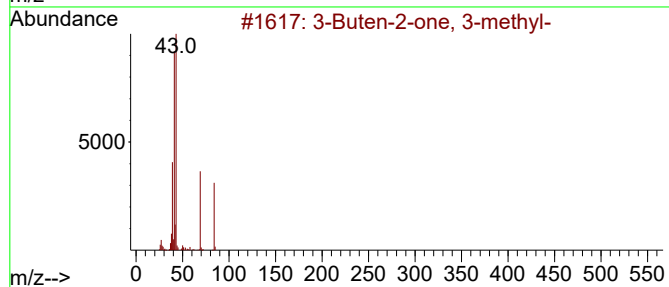
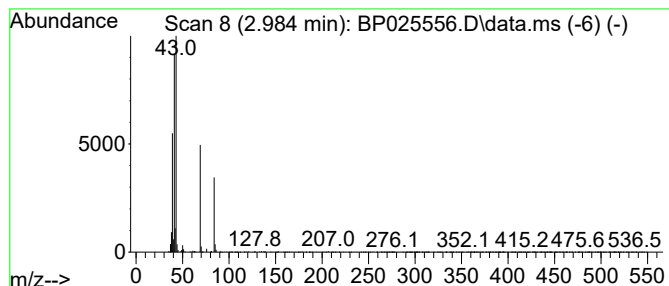
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 3-Buten-2-one, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.984	4.07 ng	232519	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	91
2			Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	58
3			2-Butanone, 4-hydroxy-3-(hydroxy...	132	C6H12O3	006868-97-9	47
4			2-Propenoic acid, 2-methyl-	86	C4H6O2	000079-41-4	36
5			2-Pentene, 3-methyl-	84	C6H12	000922-61-2	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

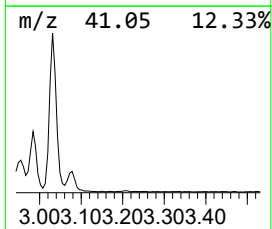
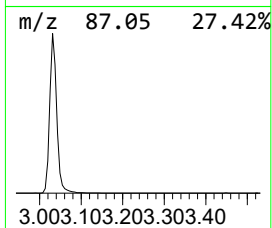
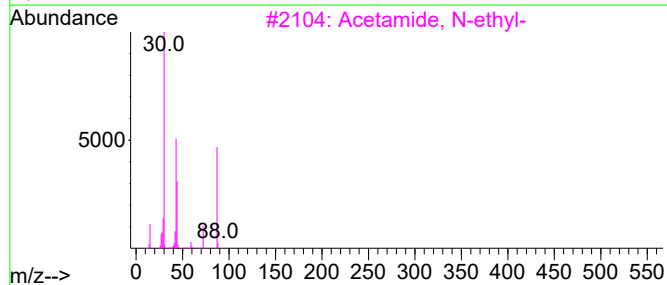
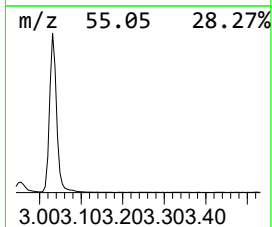
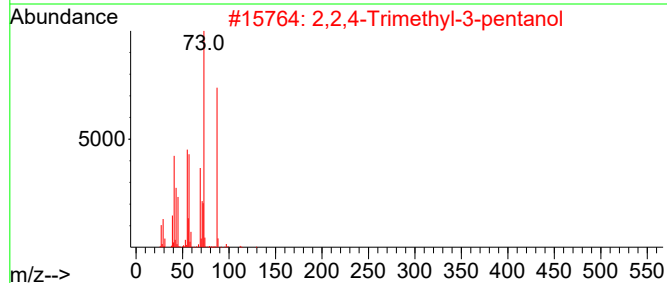
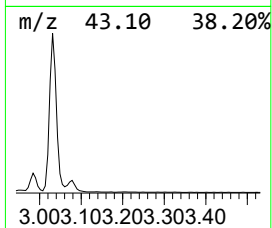
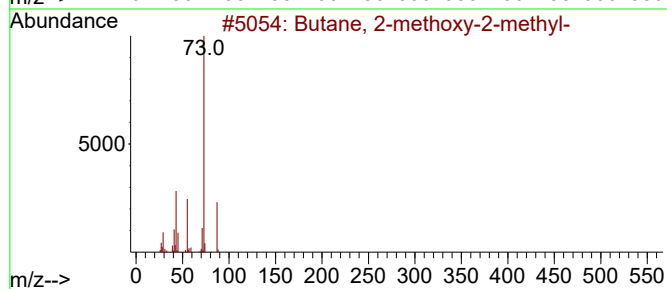
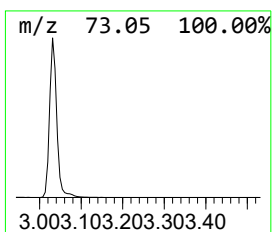
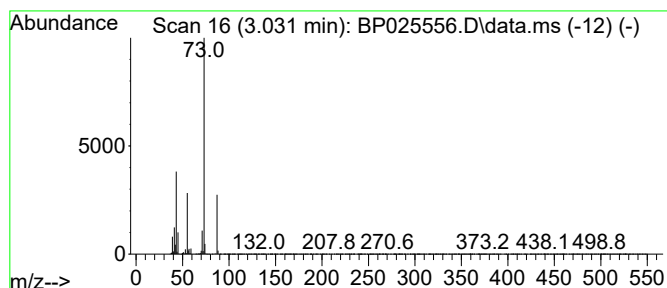
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	65.67 ng	3746960	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

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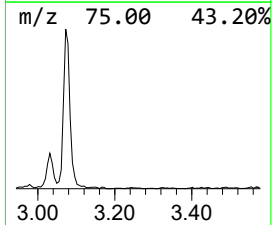
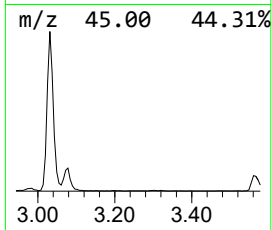
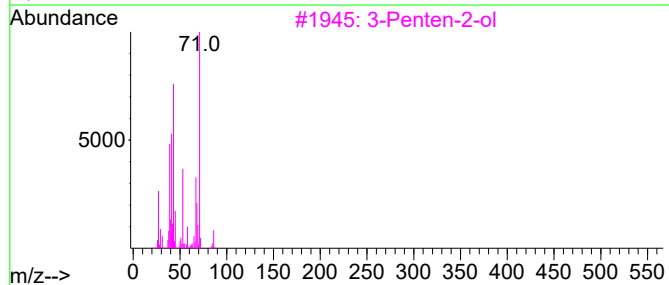
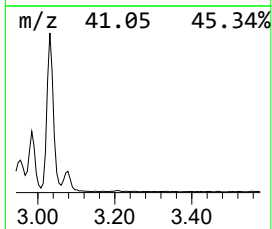
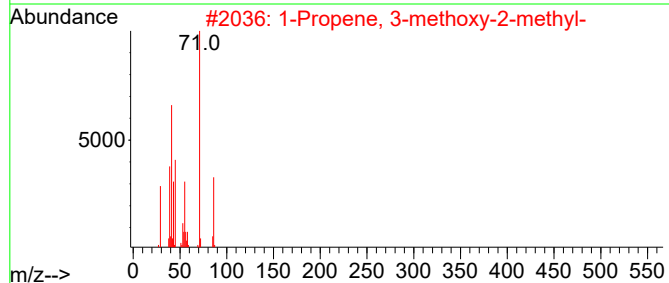
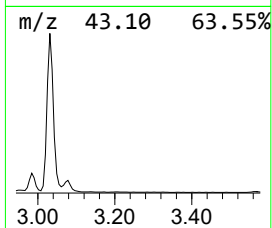
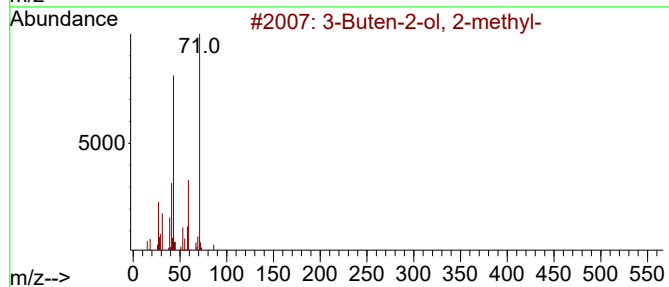
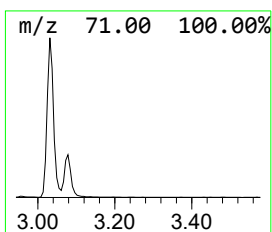
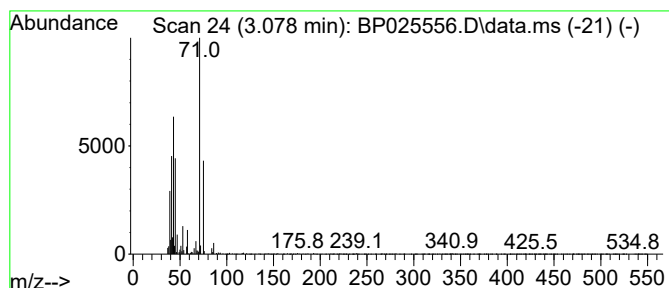
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown3.078 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.078	4.80 ng	273669	1,4-Dichlorobenzene-d4	7.778

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	46
2		1-Propene, 3-methoxy-2-methyl-	86	C5H10O	022418-49-1	33
3		3-Penten-2-ol	86	C5H10O	001569-50-2	32
4		2-Hexene, 1-methoxy-, (E)-	114	C7H14O	056052-83-6	28
5		Butanoic acid, 2-propenyl ester	128	C7H12O2	002051-78-7	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
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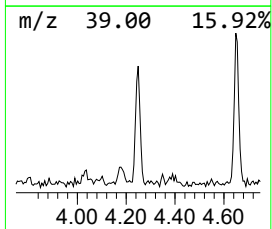
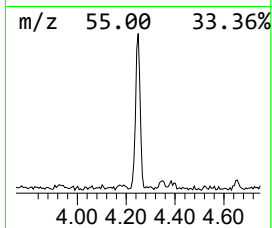
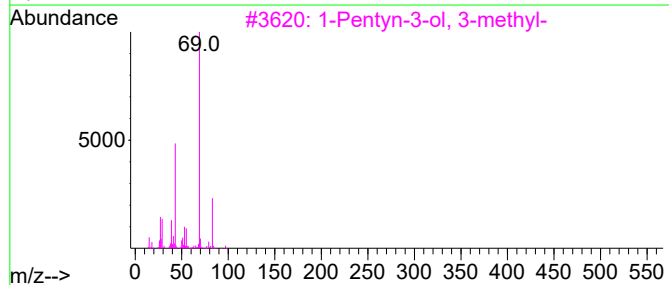
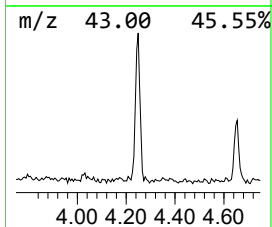
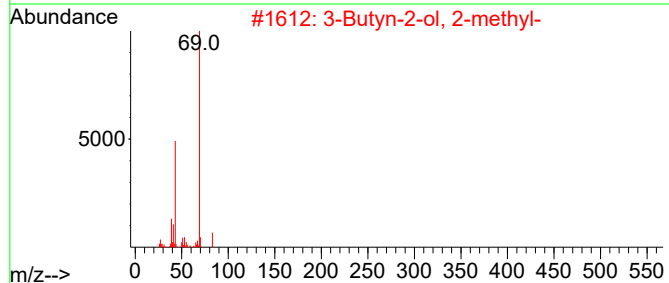
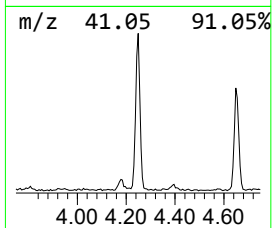
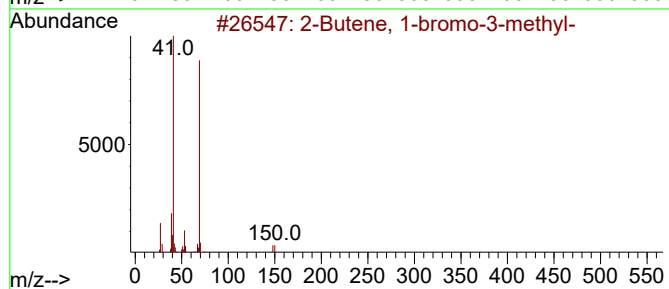
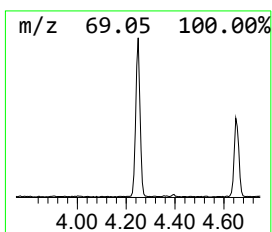
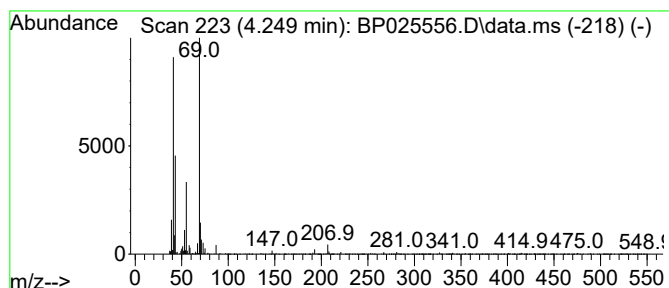
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown4.249 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD			R.T.
4.249	4.40 ng	251233	1,4-Dichlorobenzene-d4			7.778

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	42	
2	3-Butyn-2-ol, 2-methyl-	84	C5H8O	000115-19-5	36	
3	1-Pentyn-3-ol, 3-methyl-	98	C6H10O	000077-75-8	36	
4	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	36	
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	36	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
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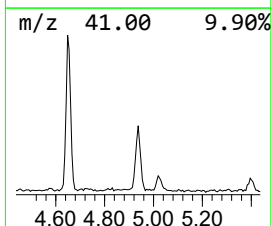
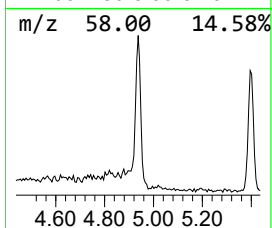
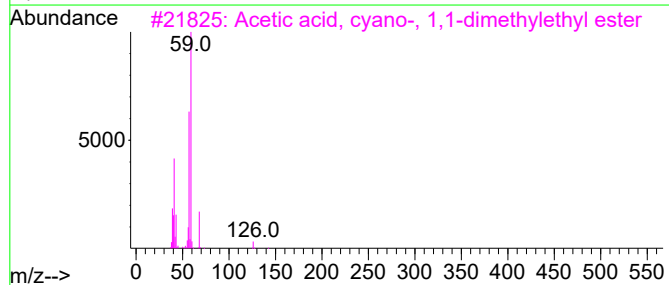
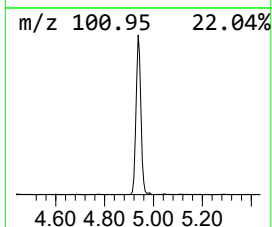
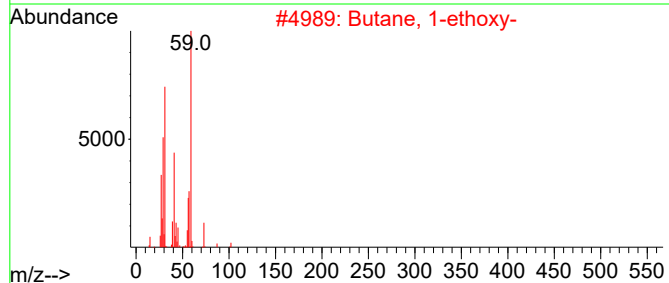
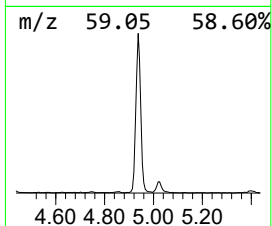
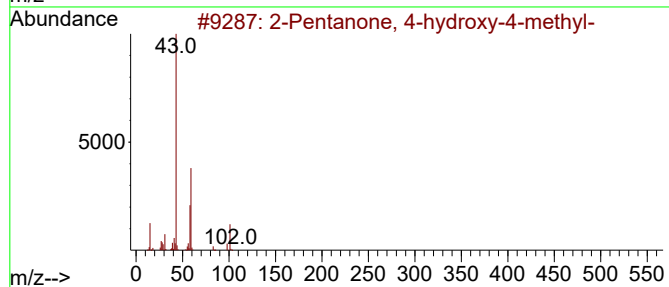
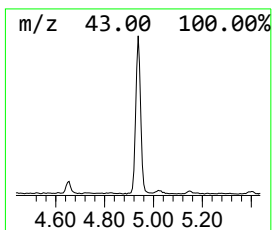
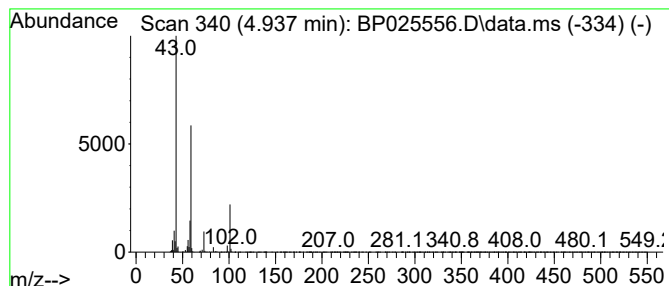
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD			R.T.
4.937	7.41 ng	422546	1,4-Dichlorobenzene-d4			7.778
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	59
2	Butane, 1-ethoxy-		102	C6H14O	000628-81-9	32
3	Acetic acid, cyano-, 1,1-dimethy...		141	C7H11NO2	001116-98-9	17
4	3-Hexanol, 4-methyl-		116	C7H16O	000615-29-2	17
5	Propane, 1-ethoxy-2-methyl-		102	C6H14O	000627-02-1	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
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Misc :
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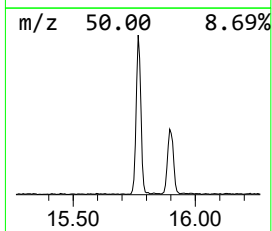
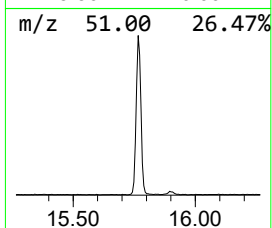
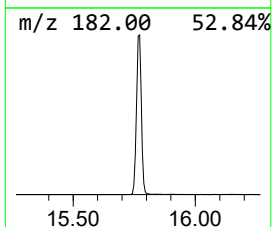
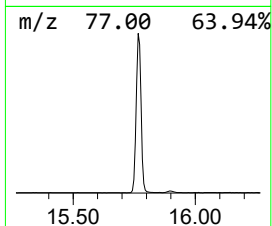
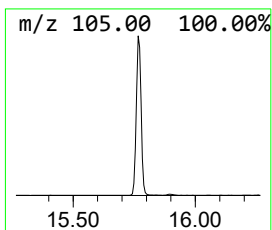
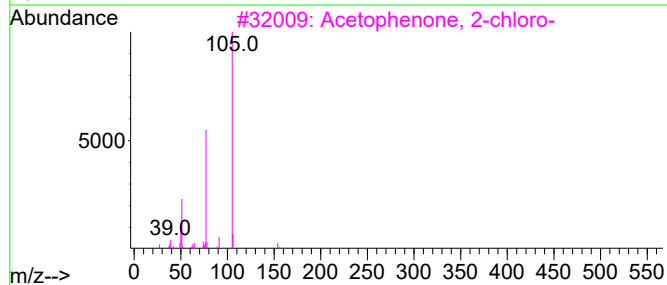
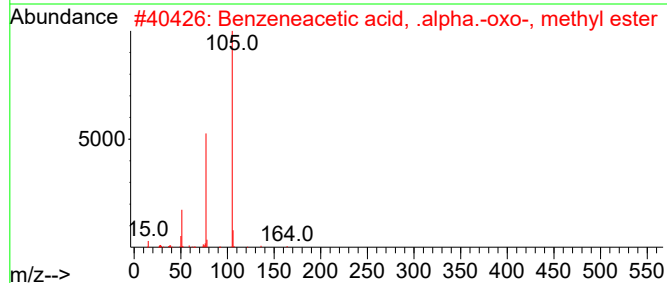
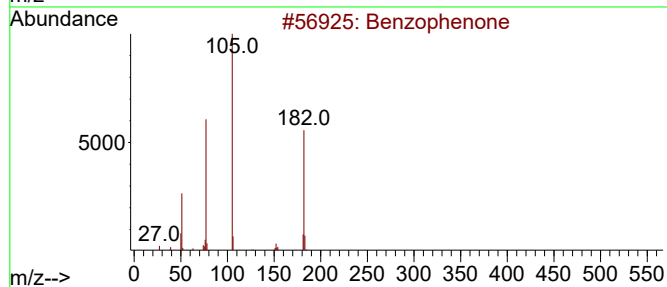
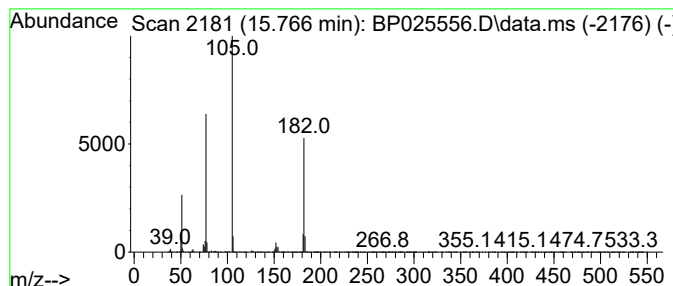
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.766	17.00 ng	1900250	Acenaphthene-d10	14.389

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	49
3			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4			N-Methylbenzamide, N-chlorodiflu...	247	C10H8ClF2NO2	1000446-98-2	47
5			1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
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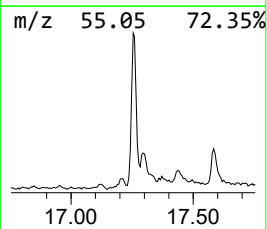
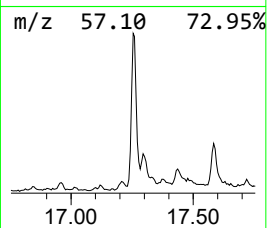
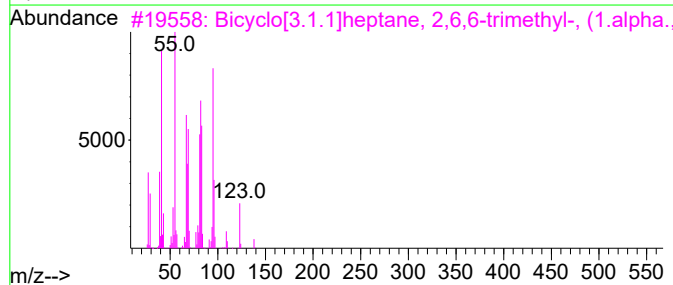
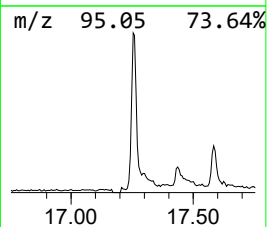
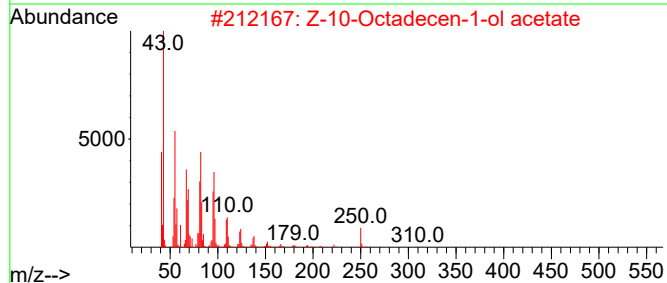
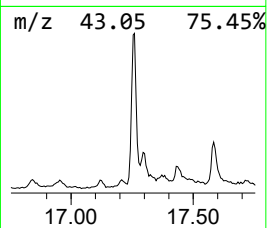
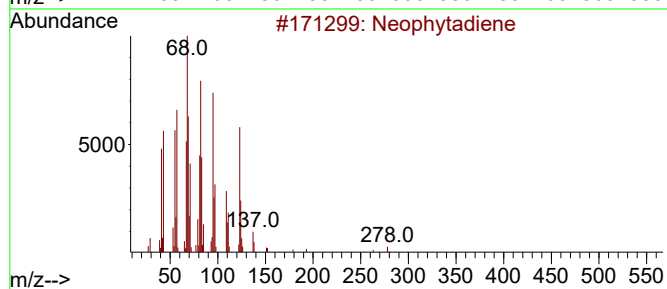
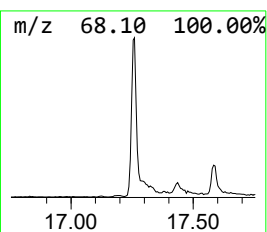
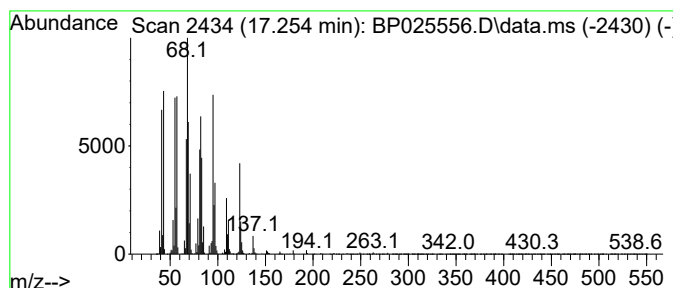
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Neophytadiene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.254	9.30 ng	1291150	Phenanthrene-d10	17.189	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Neophytadiene	278	C20H38	000504-96-1	91
2	Z-10-Octadecen-1-ol acetate	310	C20H38O2	1000131-07-2	60
3	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	58
4	2-Tridecyne	180	C13H24	028467-75-6	50
5	Z-13-Octadecen-1-yl acetate	310	C20H38O2	060037-58-3	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
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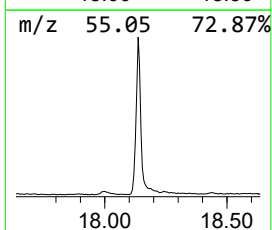
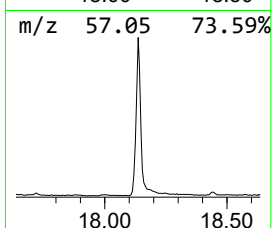
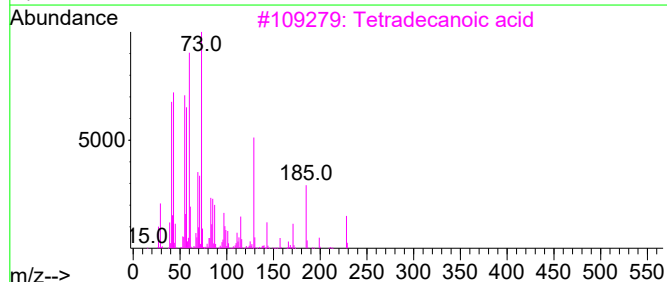
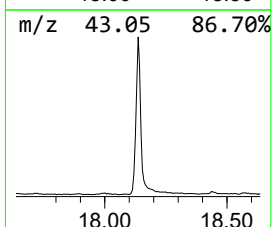
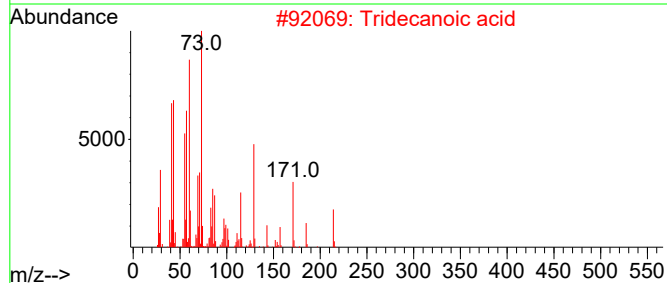
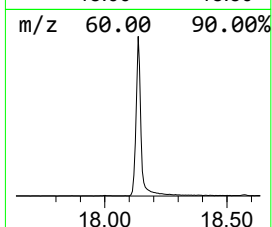
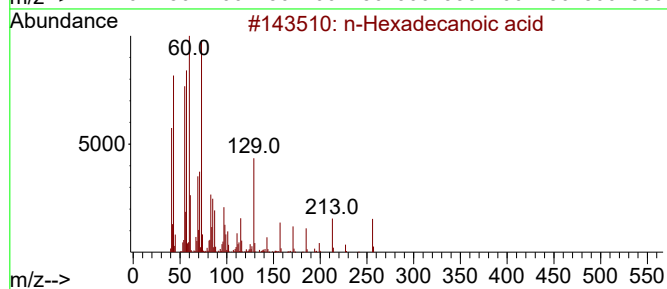
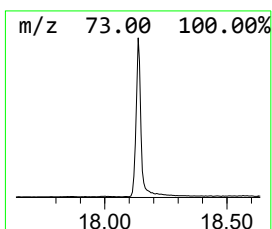
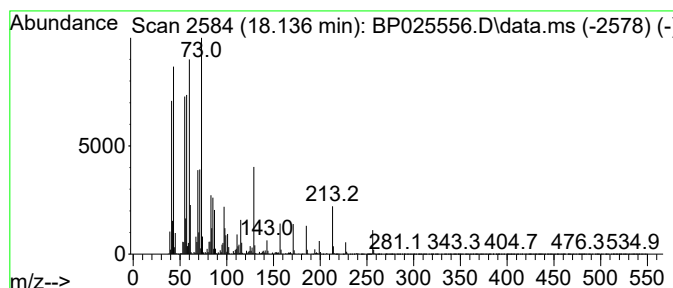
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.136	30.36 ng	4214240	Phenanthrene-d10	17.189	
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	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
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ALS Vial : 14 Sample Multiplier: 1

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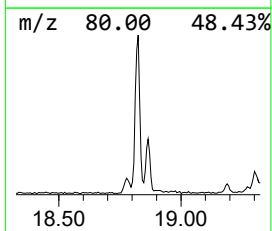
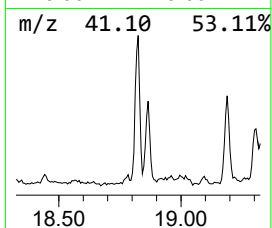
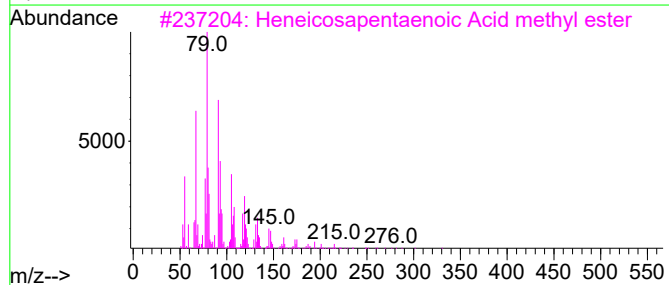
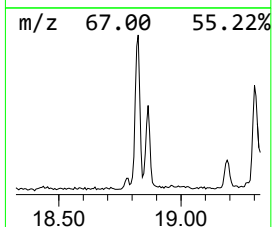
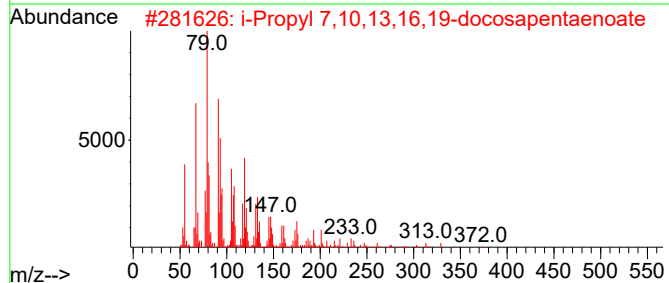
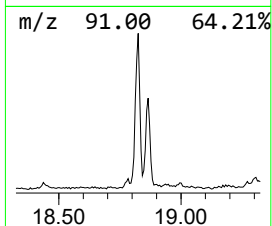
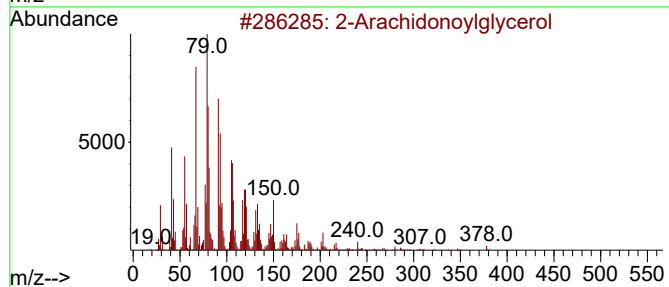
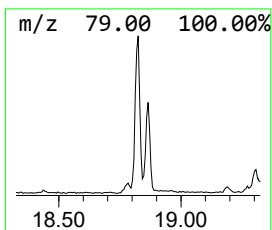
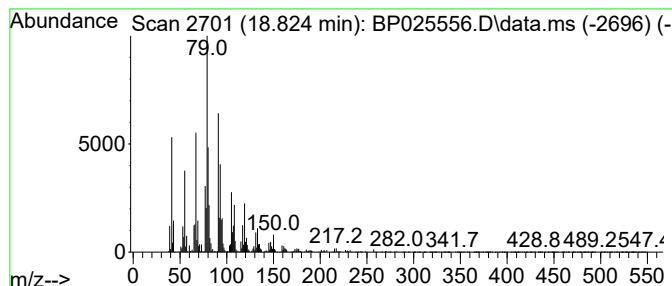
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 2-Arachidonoylglycerol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.825	6.62 ng	918478	Phenanthrene-d10	17.189

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Arachidonoylglycerol	378	C23H38O4	053847-30-6	93
2			i-Propyl 7,10,13,16,19-docosapen...	372	C25H40O2	1000336-77-2	91
3			Heneicosapentaenoic Acid methyl ...	330	C22H34O2	065919-53-1	90
4			cis-5,8,11,14,17-Eicosapentaenoi...	302	C20H30O2	010417-94-4	87
5			Arachidonoyl amide, N-(pentaflu...	449	C23H32F5NO2	1000452-13-2	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
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Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
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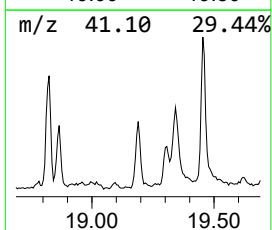
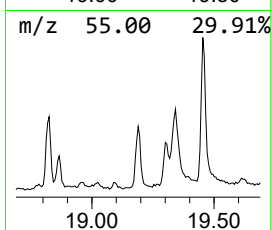
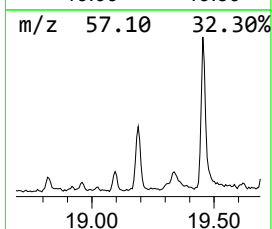
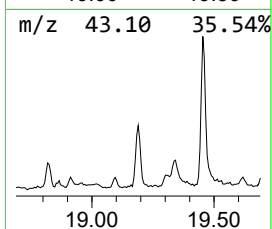
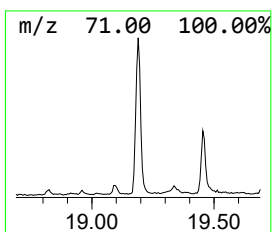
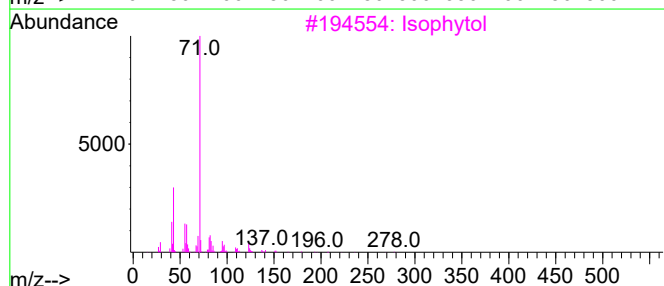
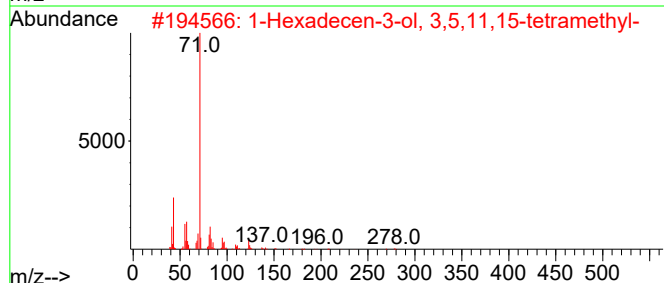
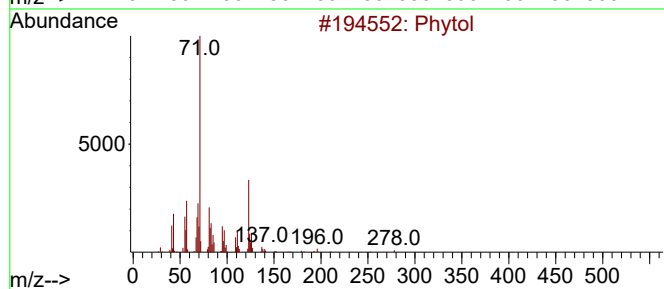
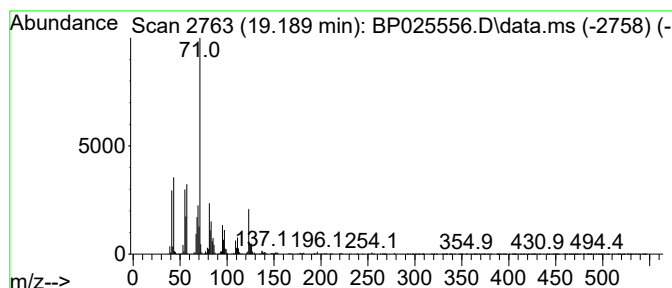
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phytol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.189	4.55 ng	631737	Phenanthrene-d10	17.189	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phytol	296	C20H40O	000150-86-7	91
2	1-Hexadecen-3-ol, 3,5,11,15-tetr...	296	C20H40O	1000262-55-5	64
3	Isophytol	296	C20H40O	000505-32-8	59
4	Butyric acid, 2-pentadecyl ester	298	C19H38O2	107853-73-6	52
5	13-Methyl-tetradec-13-ene-1,12-diol	242	C15H30O2	1000194-71-6	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
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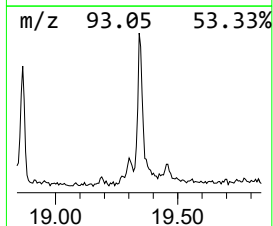
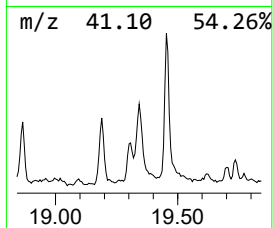
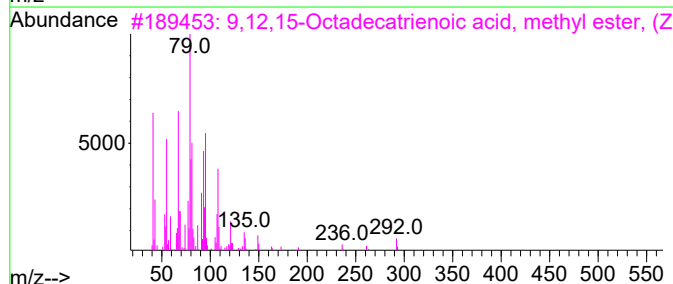
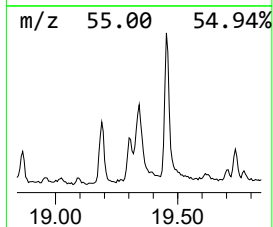
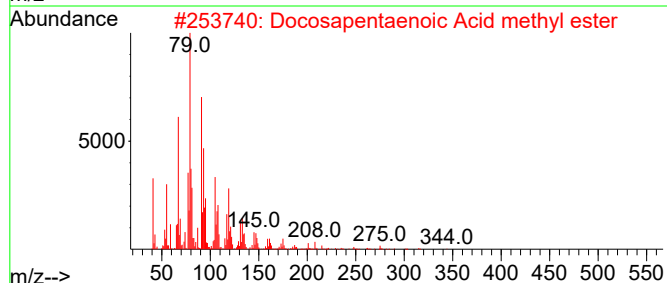
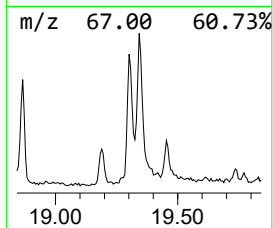
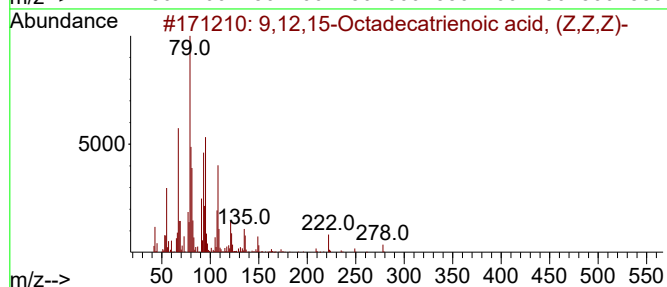
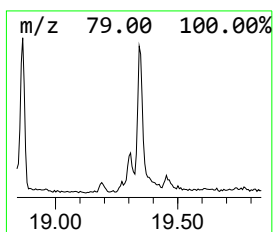
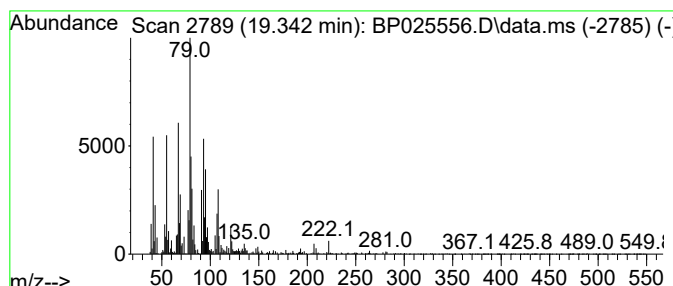
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,12,15-Octadecatrienoic ac... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.342	7.01 ng	972614	Phenanthrene-d10	17.189		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12,15-Octadecatrienoic acid, (...	278	C18H30O2	000463-40-1	86	
2	Docosapentaenoic Acid methyl ester	344	C23H36O2	108698-02-8	83	
3	9,12,15-Octadecatrienoic acid, m...	292	C19H32O2	000301-00-8	80	
4	8,11,14-Eicosatrienoic acid, met...	320	C21H36O2	021061-10-9	52	
5	cis,cis,cis-7,10,13-Hexadecatrienal	234	C16H26O	056797-43-4	50	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
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Sample : Q2934-04
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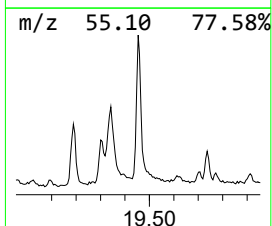
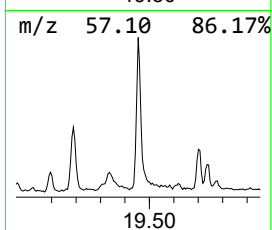
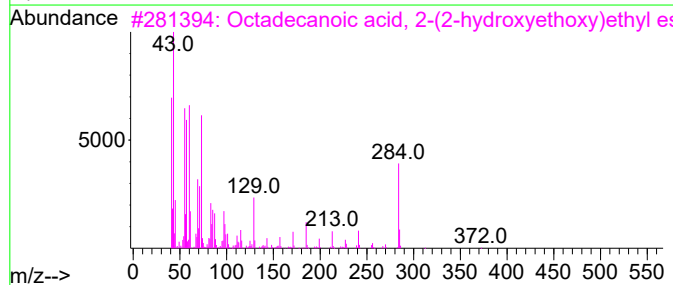
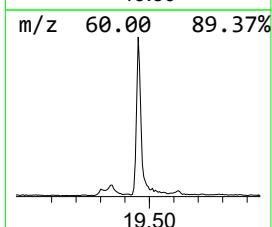
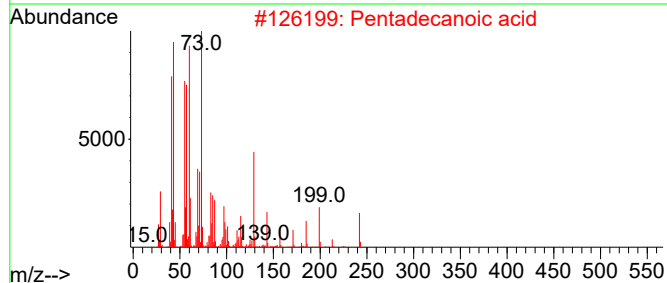
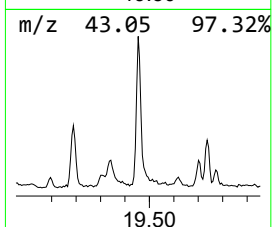
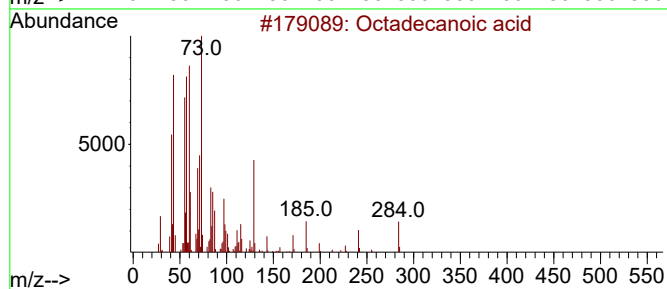
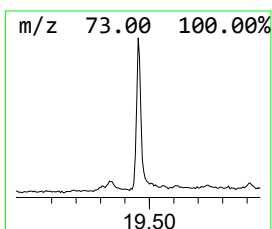
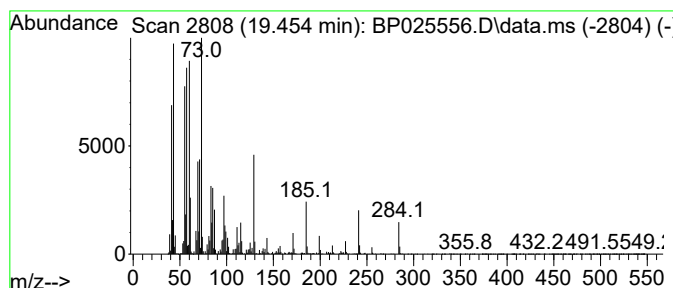
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.454	8.77 ng	1354940	Chrysene-d12	21.624

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	90
3		Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	90
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
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Sample : Q2934-04
Misc :
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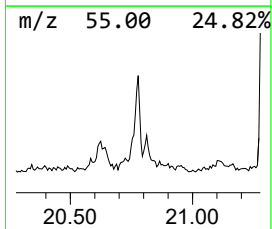
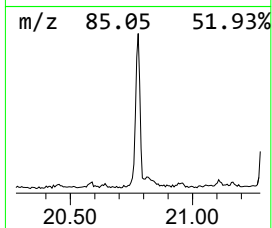
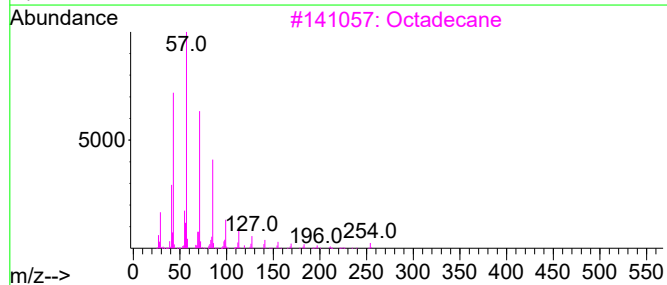
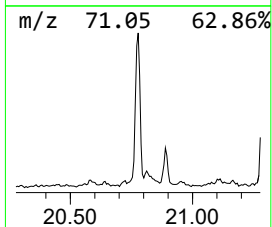
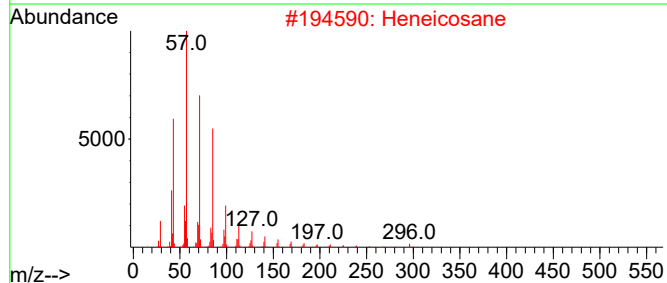
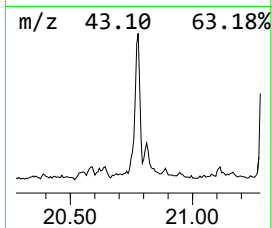
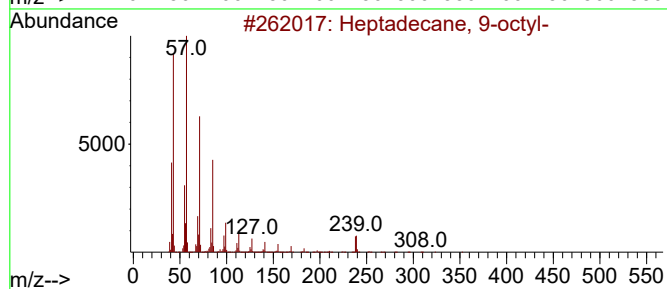
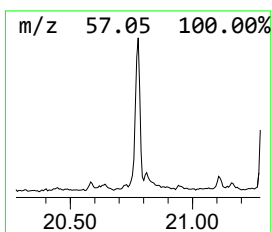
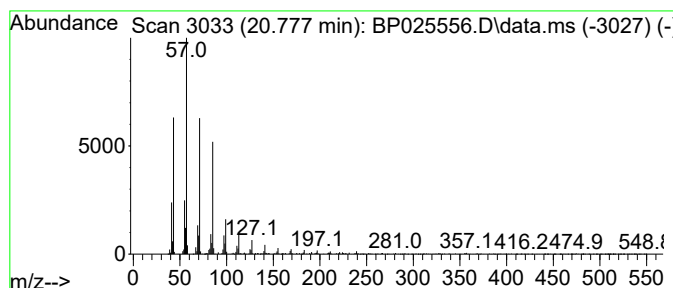
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heptadecane, 9-octyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
20.777	3.85 ng	594171	Chrysene-d12		21.624	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-		352	C25H52	007225-64-1	93
2	Heneicosane		296	C21H44	000629-94-7	91
3	Octadecane		254	C18H38	000593-45-3	91
4	Tetracosane		338	C24H50	000646-31-1	90
5	Docosane, 1-iodo-		436	C22H45I	1000406-31-9	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
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Sample : Q2934-04
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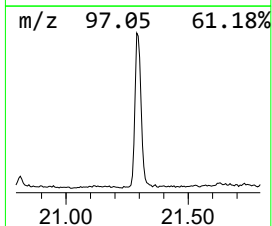
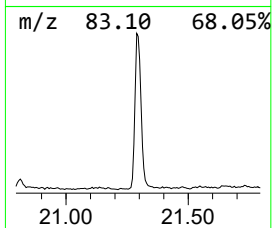
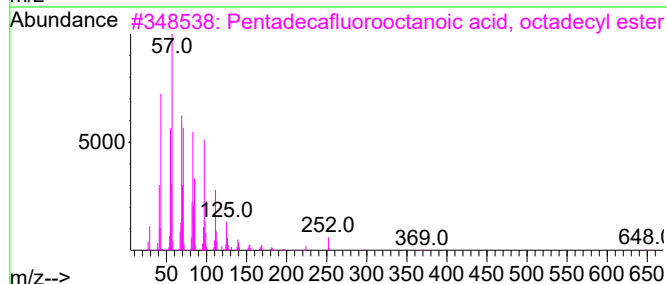
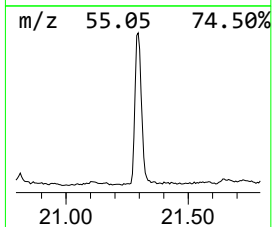
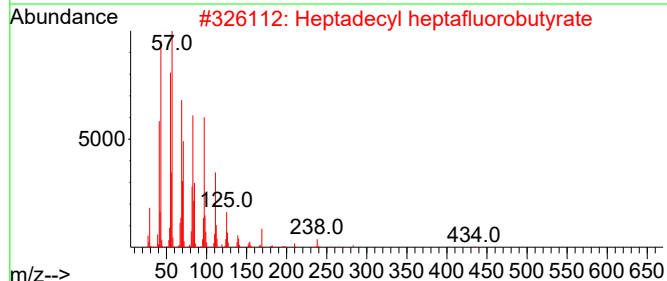
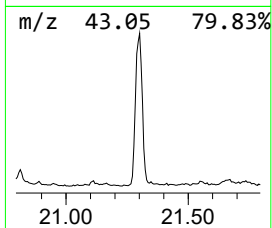
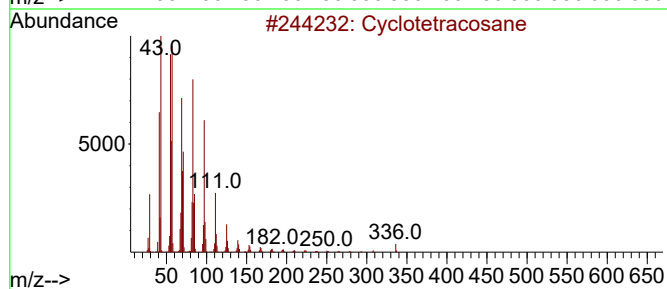
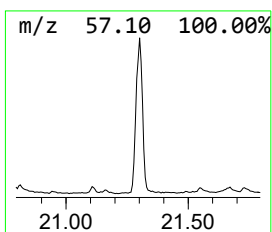
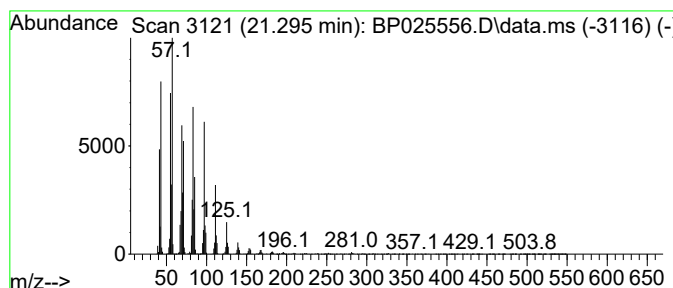
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclotetracosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.295	16.85 ng	2602920	Chrysene-d12	21.624

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclotetracosane	336	C24H48	000297-03-0	96
2			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
3			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4			1-Hexacosene	364	C26H52	018835-33-1	94
5			1-Heneicosanol	312	C21H44O	015594-90-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
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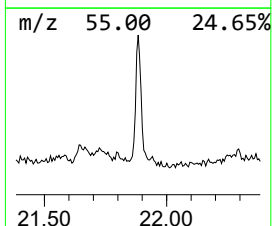
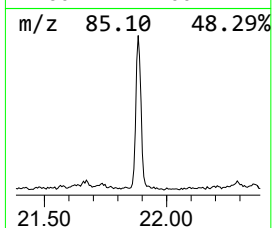
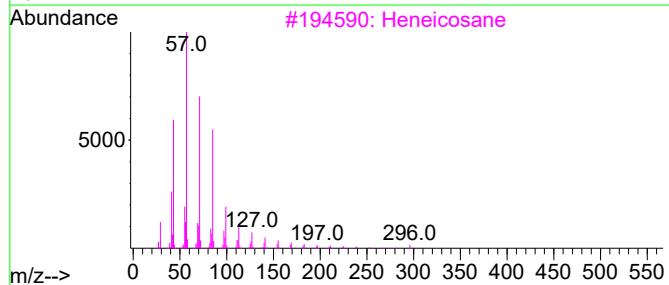
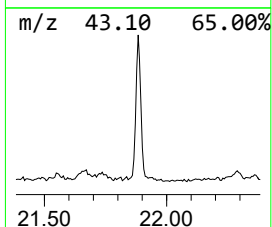
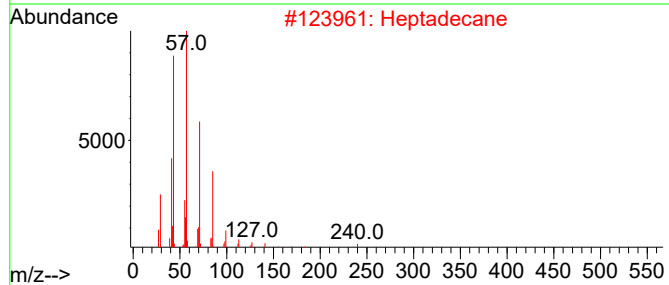
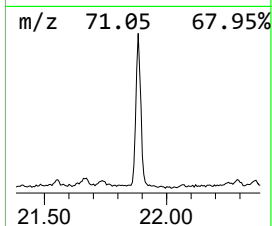
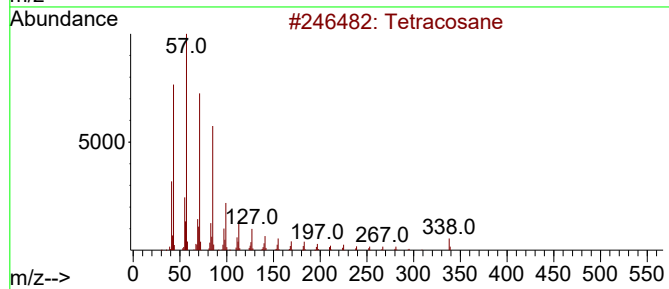
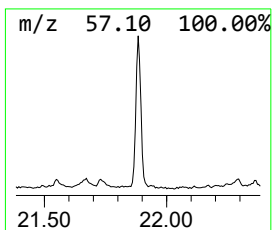
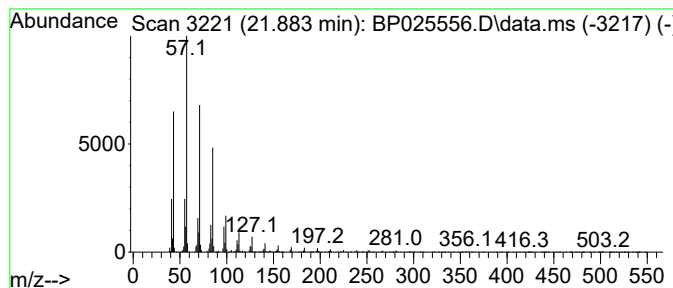
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tetracosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.883	4.66 ng	719756	Chrysene-d12	21.624	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	96
2	Heptadecane	240	C17H36	000629-78-7	94
3	Heneicosane	296	C21H44	000629-94-7	91
4	2-Methylpentacosane	366	C26H54	000629-87-8	91
5	Octacosane	394	C28H58	000630-02-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
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Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

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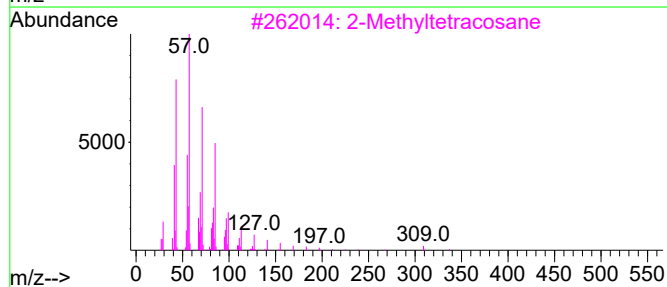
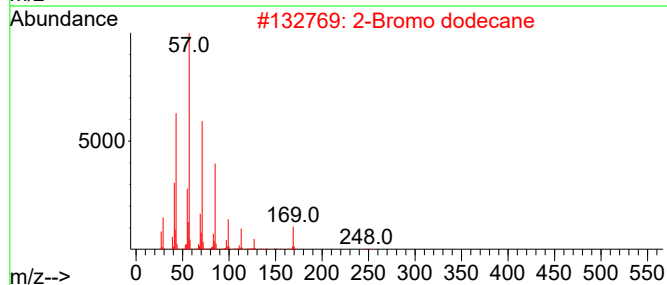
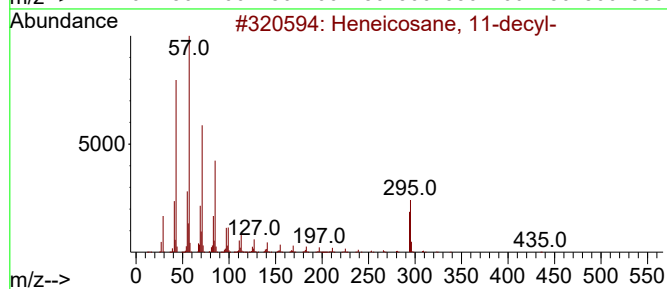
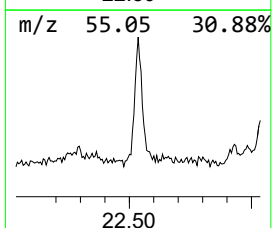
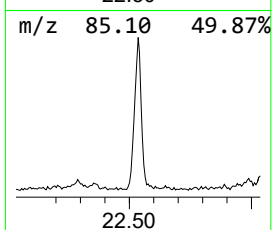
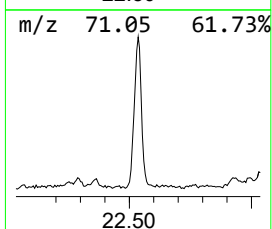
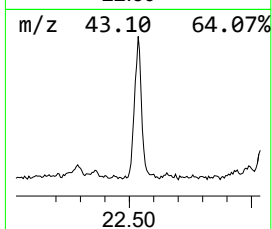
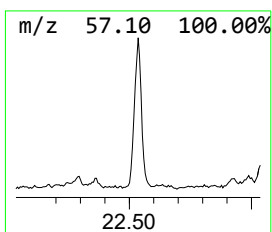
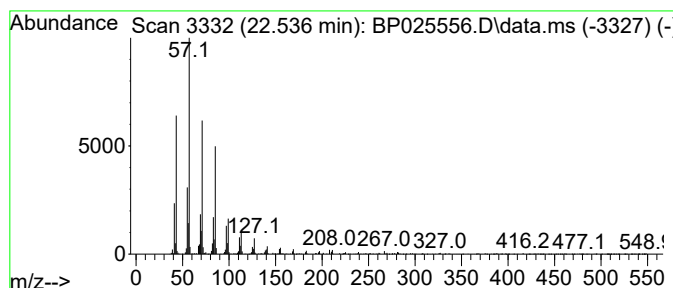
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Heneicosane, 11-decyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.536	5.18 ng	800070	Chrysene-d12	21.624

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heneicosane, 11-decyl-	437	C31H64	055320-06-4	93
2		2-Bromo dodecane	248	C12H25Br	013187-99-0	93
3		2-Methyltetracosane	352	C25H52	001560-78-7	90
4		Tetracosane	338	C24H50	000646-31-1	90
5		Hexacosane	366	C26H54	000630-01-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

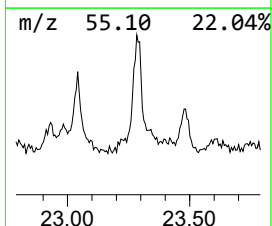
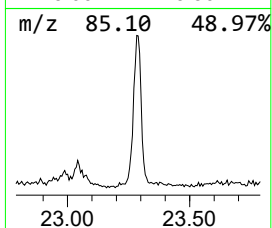
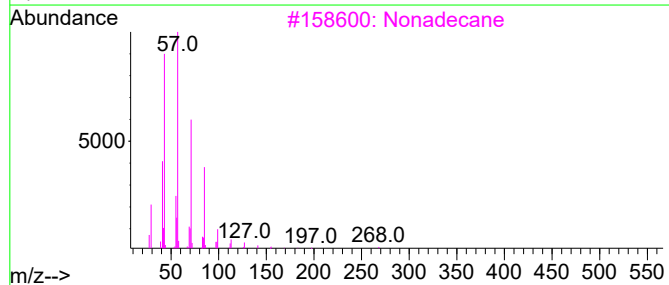
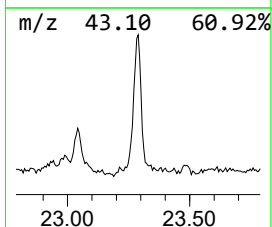
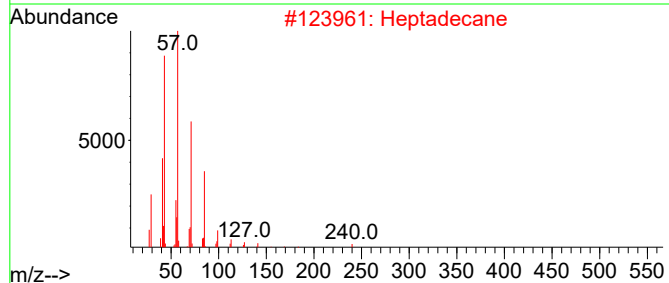
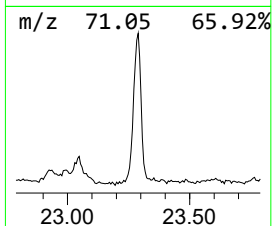
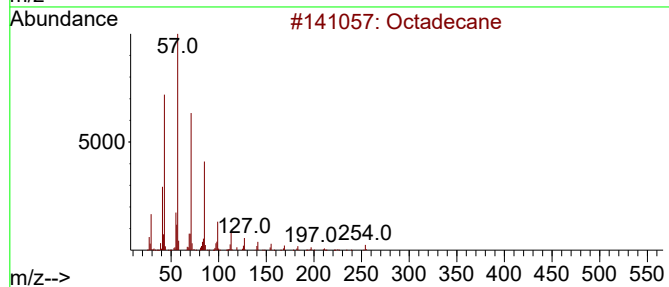
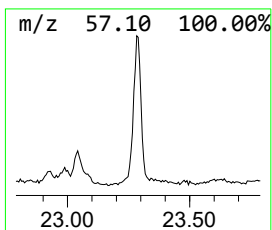
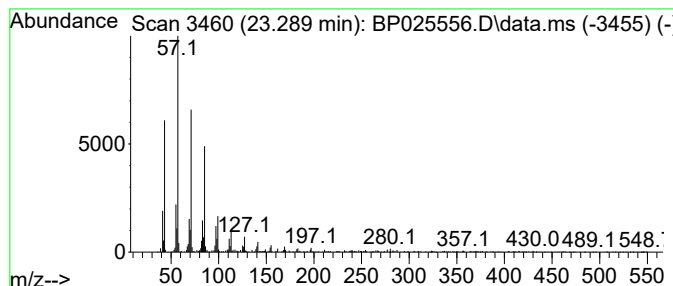
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Octadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.289	3.85 ng	594091	Chrysene-d12	21.624

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecane	254	C18H38	000593-45-3	95
2		Heptadecane	240	C17H36	000629-78-7	94
3		Nonadecane	268	C19H40	000629-92-5	93
4		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
5		Heneicosane, 11-decyl-	437	C31H64	055320-06-4	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

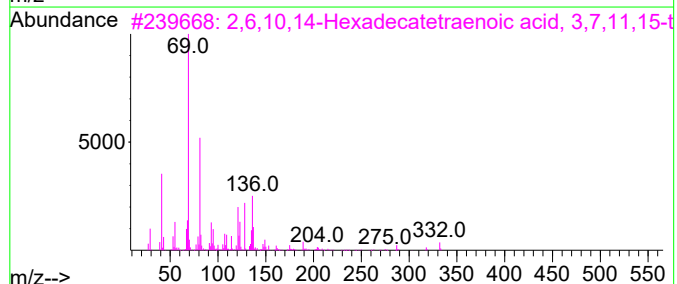
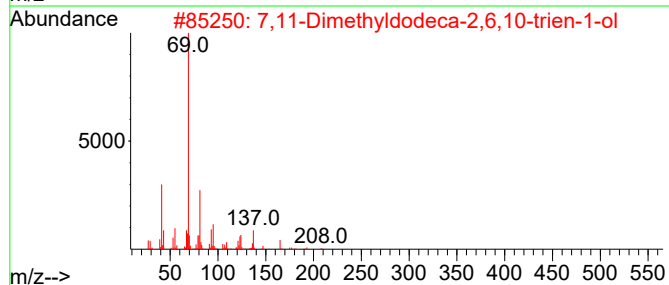
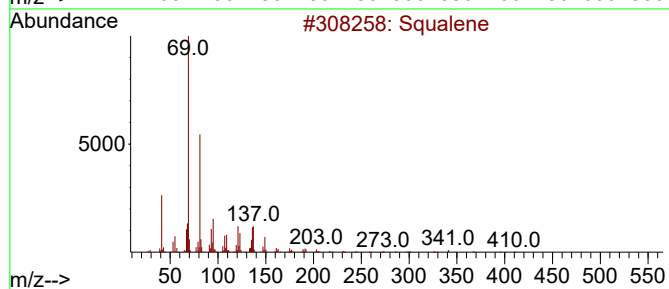
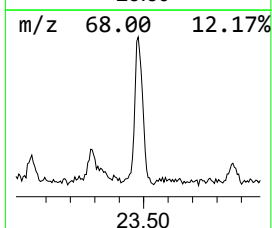
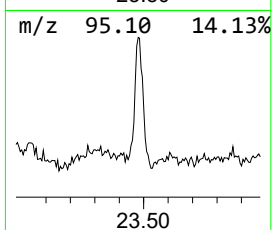
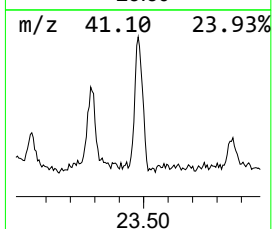
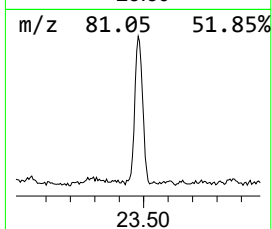
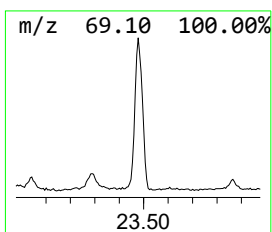
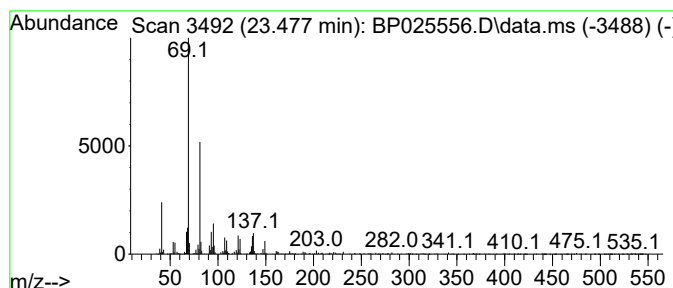
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BNA_P
ClientSampleId :
ENV-SW04

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Squalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
23.477	4.46 ng	701467	Perylene-d12	24.983	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	93
2	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	81
3	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	64
4	1,6-Octadiene, 3,5-dimethyl-, tr...	138	C10H18	074630-87-8	53
5	2,3,5-Trimethyl-2,3,5-hexanetric...	203	C12H17N3	003974-79-6	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

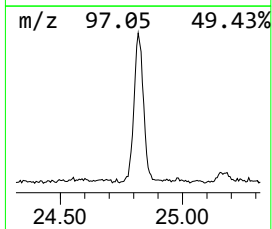
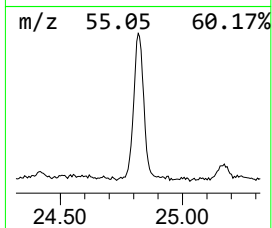
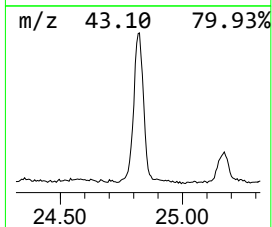
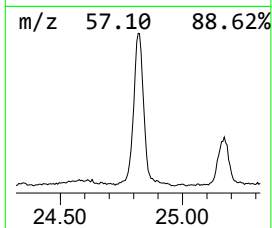
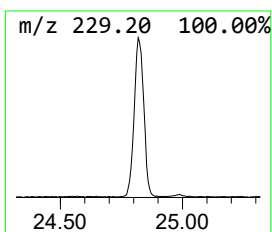
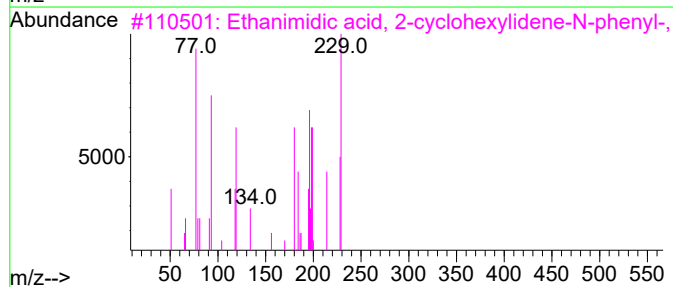
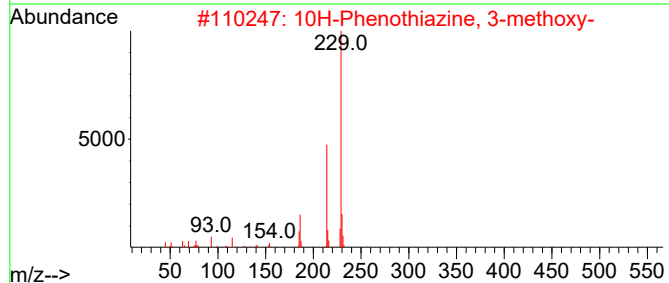
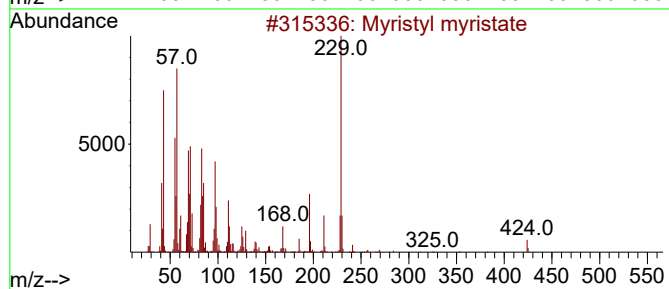
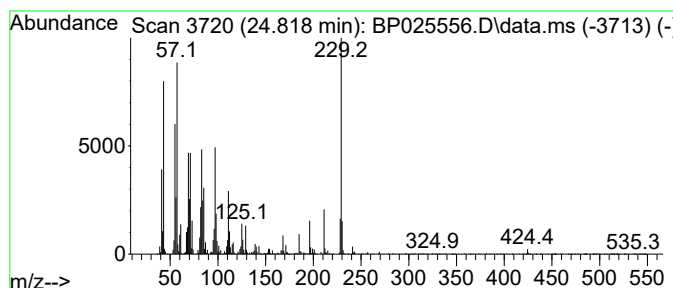
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Myristyl myristate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.818	17.66 ng	2777500	Perylene-d12	24.983

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Myristyl myristate	424	C28H56O2	003234-85-3	91
2			10H-Phenothiazine, 3-methoxy-	229	C13H11NOS	001771-19-3	18
3			Ethanimidic acid, 2-cyclohexylid...	229	C15H19NO	056830-05-8	18
4			Tetradecanoic acid, octyl ester	340	C22H44O2	016260-26-7	16
5			4-Acetyl-2,3-O-acetone-d-mannosan	244	C11H16O6	014440-55-2	16



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

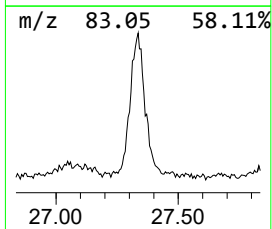
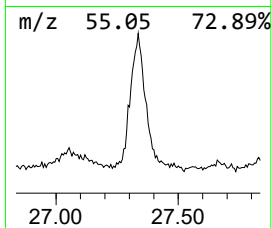
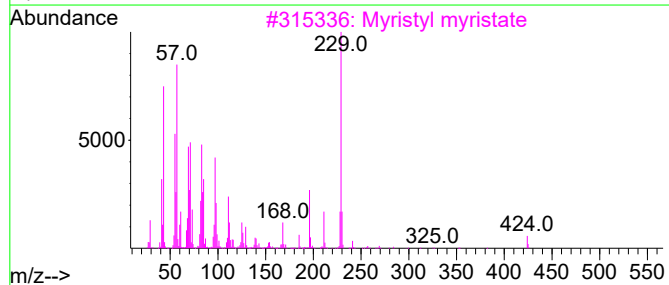
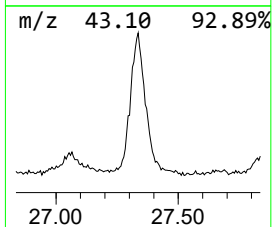
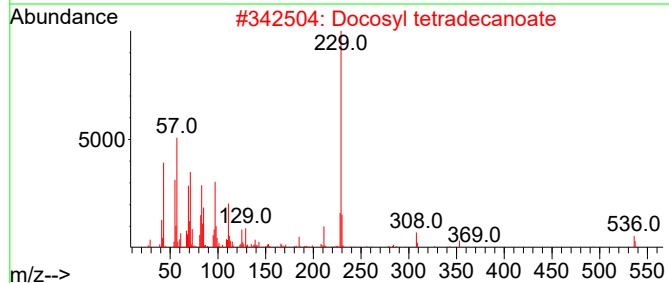
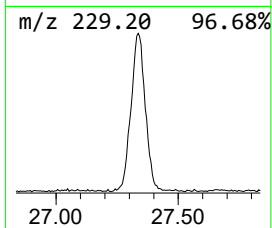
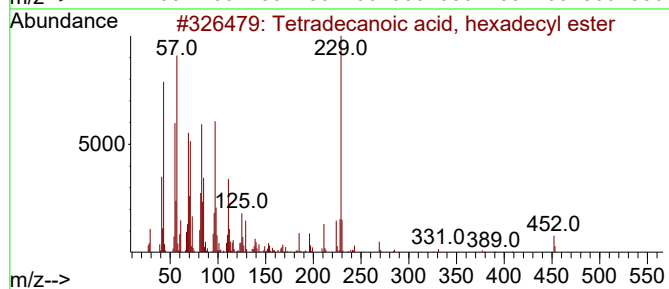
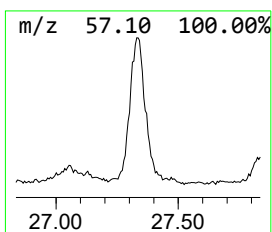
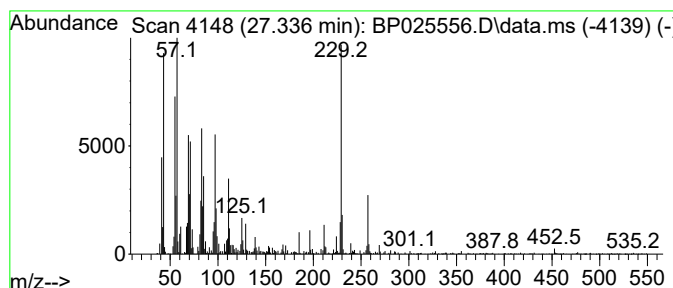
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Tetradecanoic acid, hexadec... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.336	15.16 ng	2384780	Perylene-d12	24.983

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecanoic acid, hexadecyl ester	452	C30H60O2	002599-01-1	90
2		Docosyl tetradecanoate	537	C36H72O2	042232-05-3	83
3		Myristyl myristate	424	C28H56O2	003234-85-3	64
4		Benzoic acid, 2-chloro-3,5-dinit...	260	C8H5ClN2O6	002213-79-8	22
5		4(E)-Amino-3(E)-phenyl-trans-bic...	229	C16H23N	1000132-27-2	20



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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
3-Buten-2-one, ...	2.984	4.1	ng	232519	1	7.778	1141210	20.0
Butane, 2-metho...	3.031	65.7	ng	3746960	1	7.778	1141210	20.0
unknown3.078	3.078	4.8	ng	273669	1	7.778	1141210	20.0
unknown4.249	4.249	4.4	ng	251233	1	7.778	1141210	20.0
2-Pentanone, 4-...	4.937	7.4	ng	422546	1	7.778	1141210	20.0
Benzophenone	15.766	17.0	ng	1900250	3	14.389	2236000	20.0
Neophytadiene	17.254	9.3	ng	1291150	4	17.189	2776050	20.0
n-Hexadecanoic ...	18.136	30.4	ng	4214240	4	17.189	2776050	20.0
2-Arachidonoylg...	18.825	6.6	ng	918478	4	17.189	2776050	20.0
Phytol	19.189	4.5	ng	631737	4	17.189	2776050	20.0
9,12,15-Octadec...	19.342	7.0	ng	972614	4	17.189	2776050	20.0
Octadecanoic acid	19.454	8.8	ng	1354940	5	21.624	3089590	20.0
Heptadecane, 9-...	20.777	3.9	ng	594171	5	21.624	3089590	20.0
Cyclotetracosane	21.295	16.9	ng	2602920	5	21.624	3089590	20.0
Tetracosane	21.883	4.7	ng	719756	5	21.624	3089590	20.0
Heneicosane, 11...	22.536	5.2	ng	800070	5	21.624	3089590	20.0
Octadecane	23.289	3.9	ng	594091	5	21.624	3089590	20.0
Squalene	23.477	4.5	ng	701467	6	24.983	3145910	20.0
Myristyl myristate	24.818	17.7	ng	2777500	6	24.983	3145910	20.0
Tetradecanoic a...	27.336	15.2	ng	2384780	6	24.983	3145910	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BL

A
B
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J
K

Quant Time: Aug 25 13:15:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	173347	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	665603	20.000	ng	-0.02
39) Acenaphthene-d10	14.389	164	424932	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	890876	20.000	ng	#-0.01
76) Chrysene-d12	21.630	240	1139399	20.000	ng	-0.02
86) Perylene-d12	25.001	264	1287992	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	1305735	125.092	ng	0.00
7) Phenol-d6	6.960	99	1606270	120.026	ng	0.00
23) Nitrobenzene-d5	8.919	82	997167	75.784	ng	-0.02
42) 2,4,6-Tribromophenol	15.913	330	703438	122.987	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	2279423	73.312	ng	-0.02
79) Terphenyl-d14	19.907	244	4365584	70.100	ng	-0.01

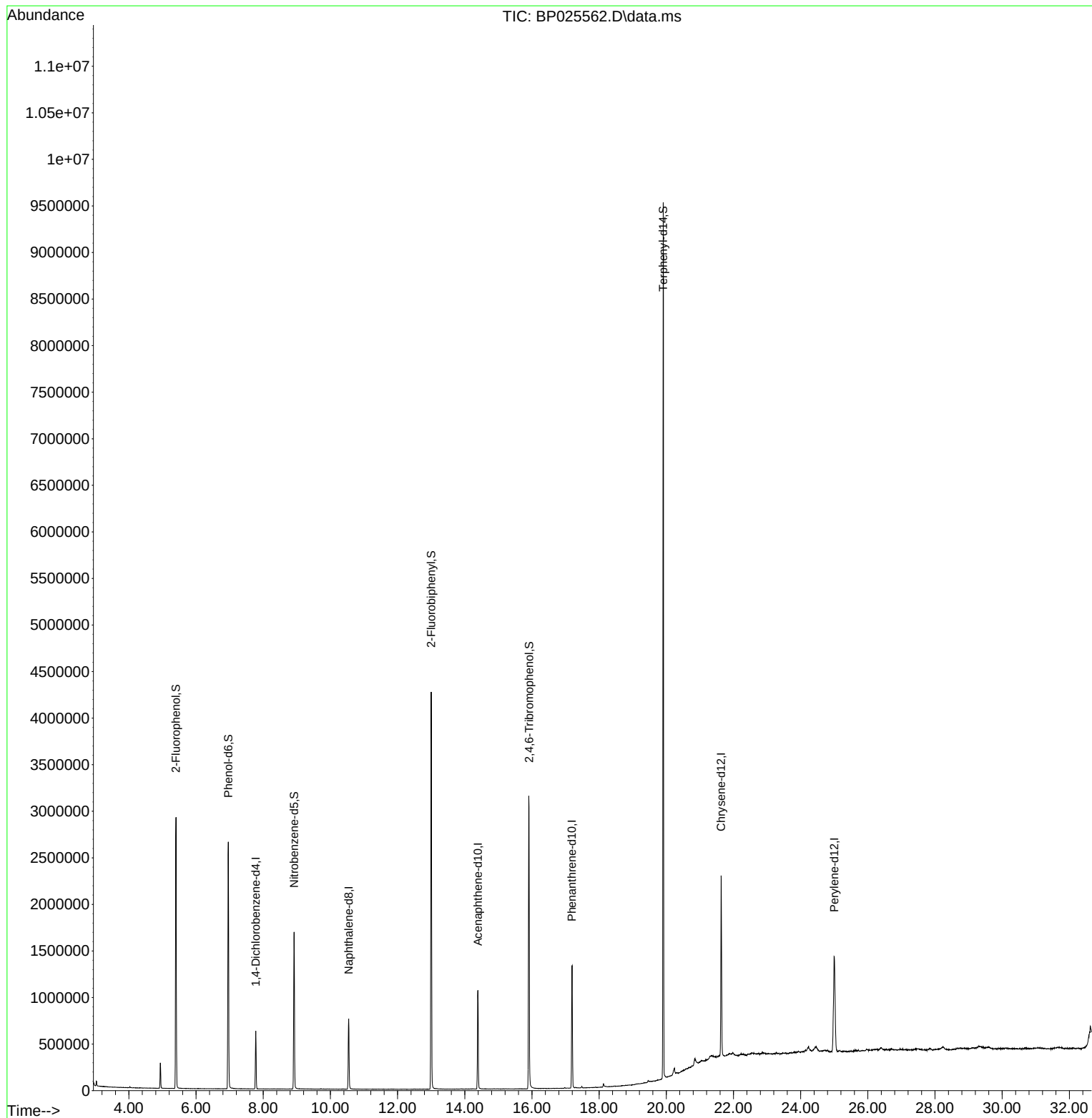
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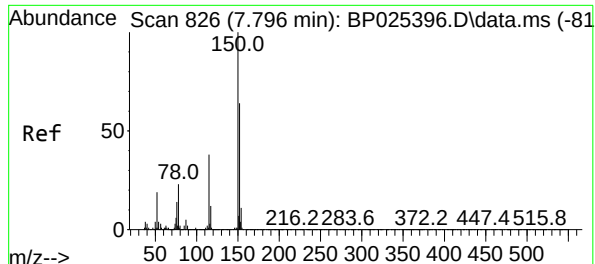
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Quant Time: Aug 25 13:15:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

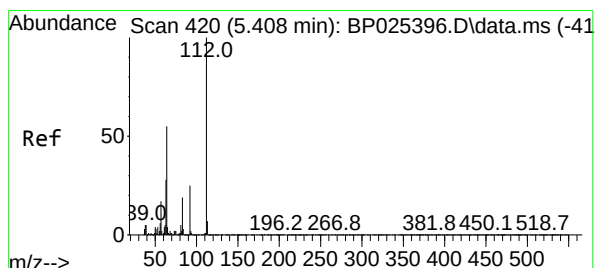
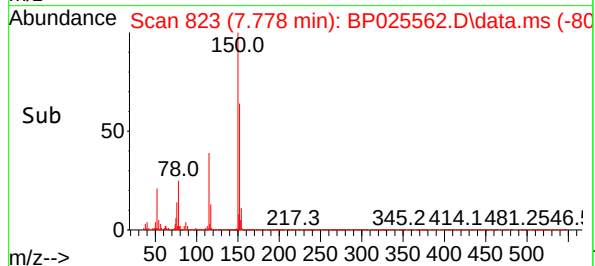
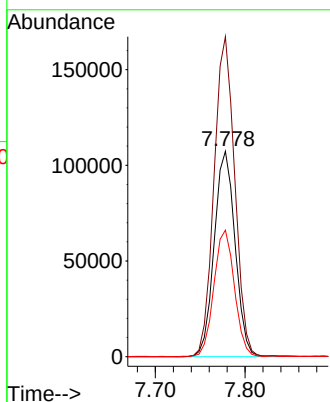
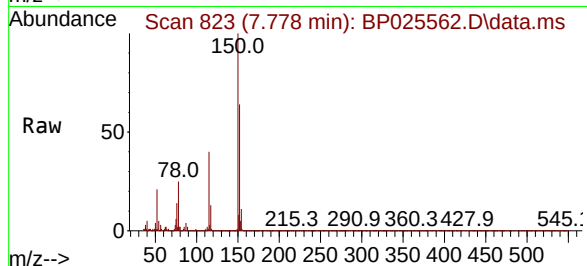




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

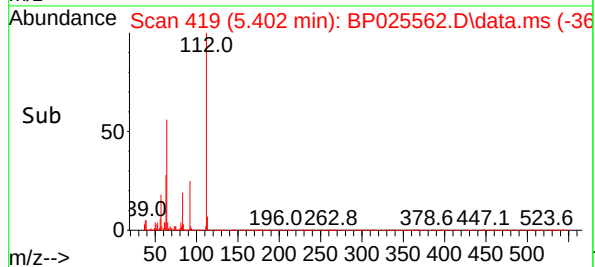
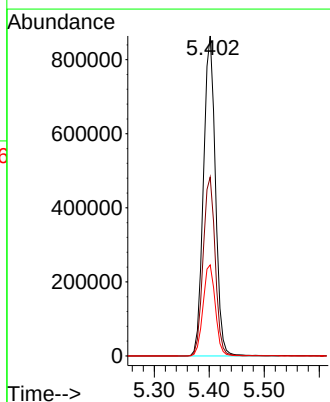
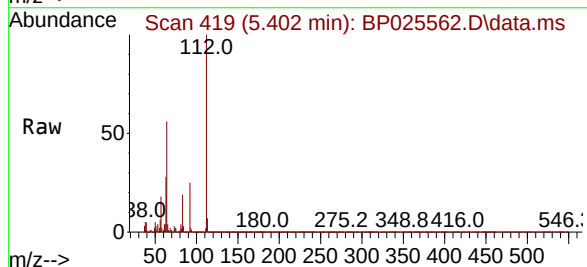
Instrument :
BNA_P
ClientSampleId :
PB169362BL

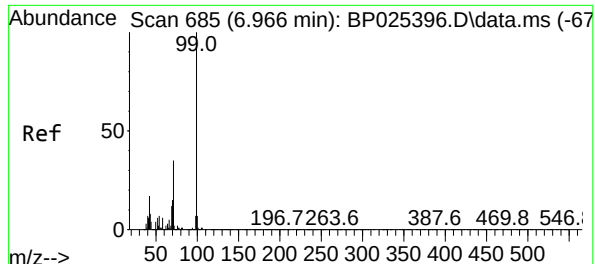
Tgt Ion:152 Resp: 173347
Ion Ratio Lower Upper
152 100
150 155.7 125.9 188.9
115 61.6 48.5 72.7



#5
2-Fluorophenol
Concen: 125.092 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Tgt Ion:112 Resp: 1305735
Ion Ratio Lower Upper
112 100
64 55.9 43.8 65.8
63 28.5 22.7 34.1



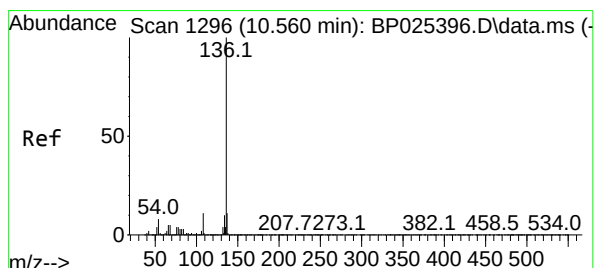
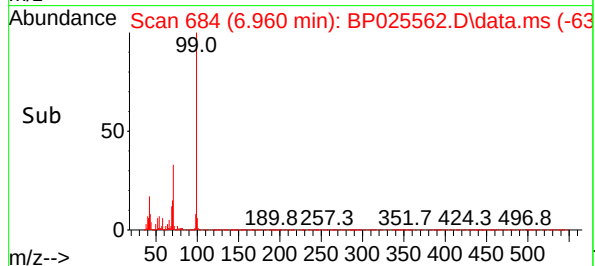
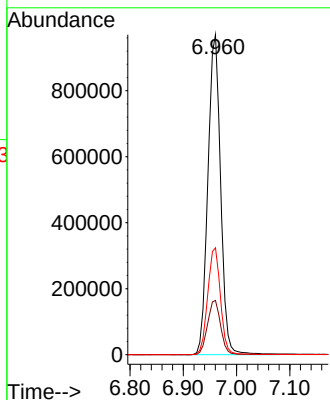
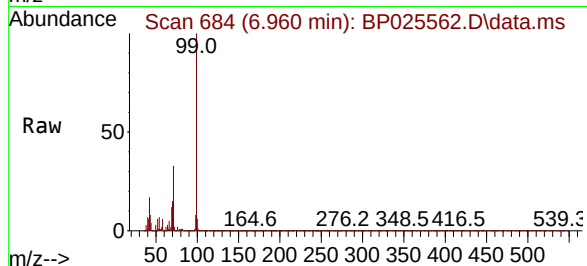


#7
Phenol-d6
Concen: 120.026 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Tgt Ion: 99 Resp: 1606270

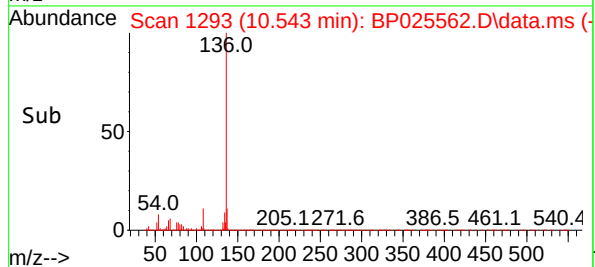
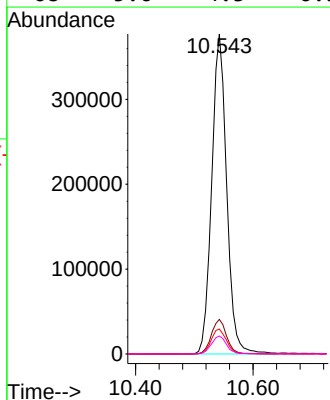
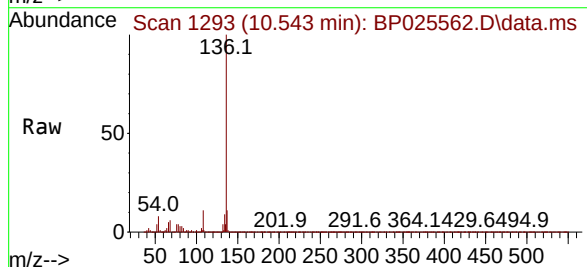
Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.7	20.5
71	33.4	28.2	42.4

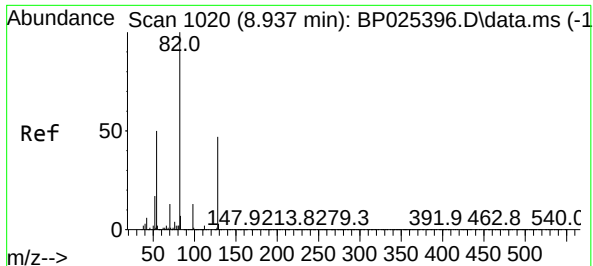


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Tgt Ion: 136 Resp: 665603

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.8	6.0	9.0
68	5.6	4.3	6.5





#23

Nitrobenzene-d5

Concen: 75.784 ng

RT: 8.919 min Scan# 1017

Delta R.T. -0.018 min

Lab File: BP025562.D

Acq: 25 Aug 2025 12:54

Instrument :

BNA_P

ClientSampleId :

PB169362BL

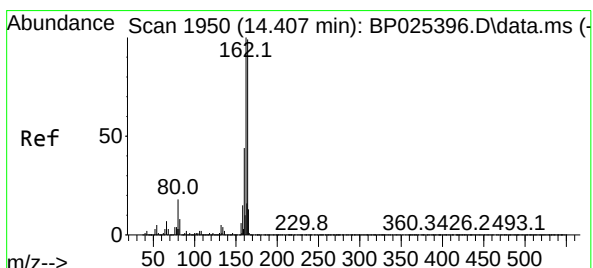
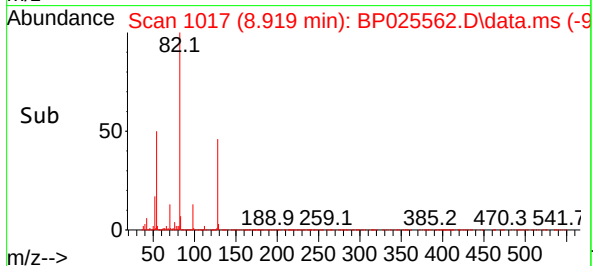
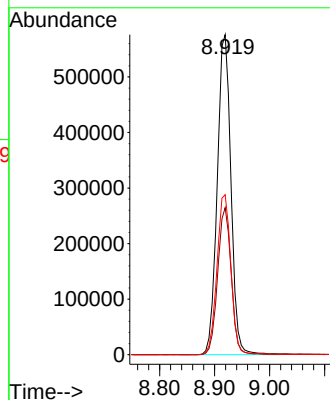
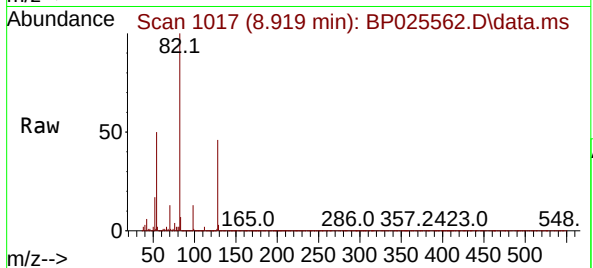
Tgt Ion: 82 Resp: 997167

Ion Ratio Lower Upper

82 100

128 46.0 37.7 56.5

54 50.0 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.389 min Scan# 1947

Delta R.T. -0.018 min

Lab File: BP025562.D

Acq: 25 Aug 2025 12:54

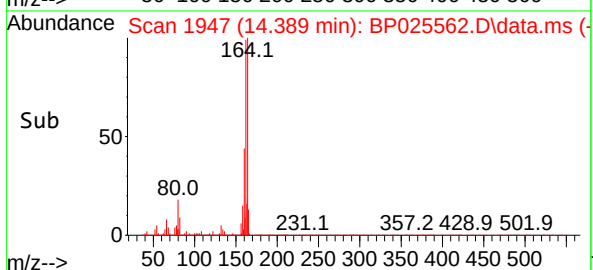
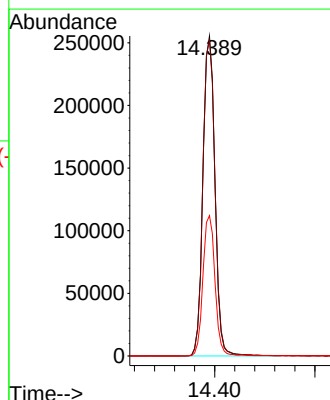
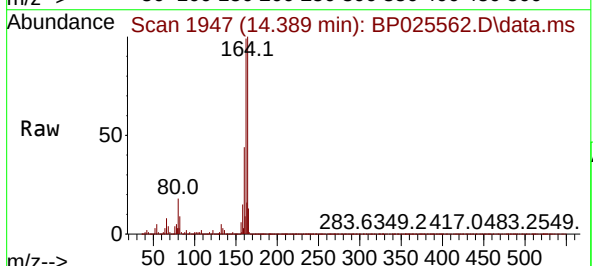
Tgt Ion: 164 Resp: 424932

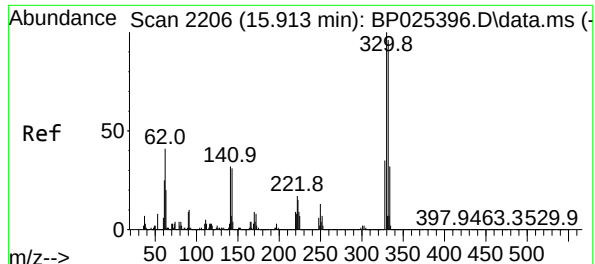
Ion Ratio Lower Upper

164 100

162 98.6 81.0 121.6

160 43.8 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 122.987 ng

RT: 15.913 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025562.D

Acq: 25 Aug 2025 12:54

Instrument :

BNA_P

ClientSampleId :

PB169362BL

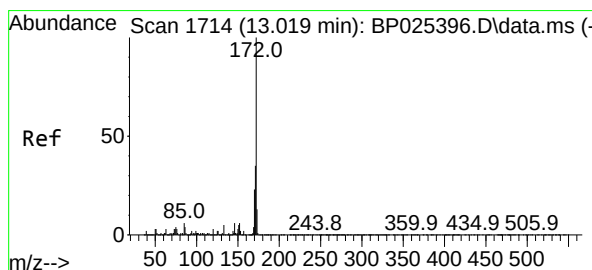
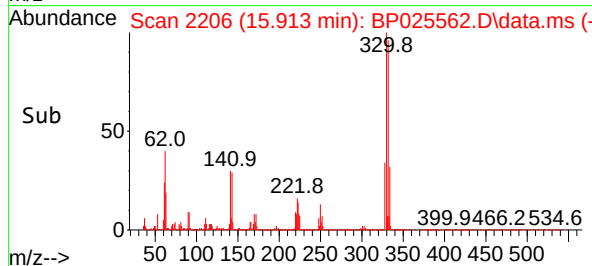
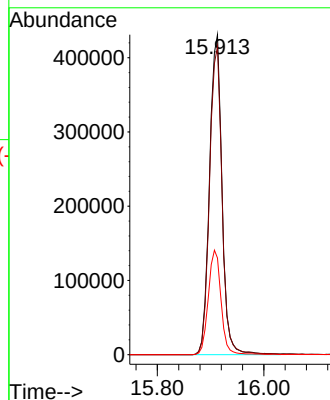
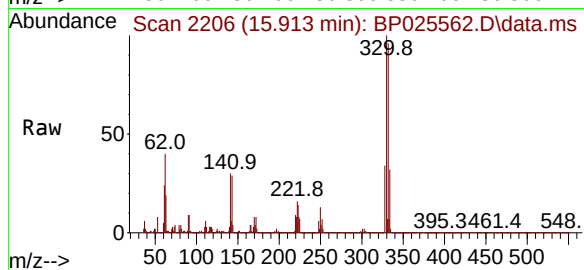
Tgt Ion:330 Resp: 703438

Ion Ratio Lower Upper

330 100

332 96.7 77.3 115.9

141 33.4 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 73.312 ng

RT: 13.001 min Scan# 1711

Delta R.T. -0.018 min

Lab File: BP025562.D

Acq: 25 Aug 2025 12:54

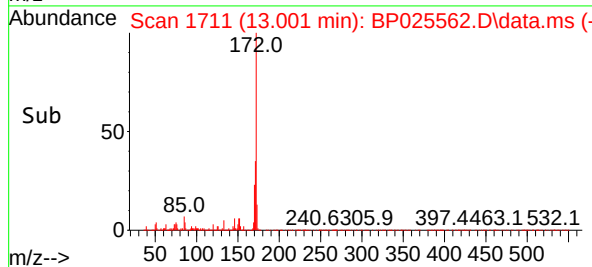
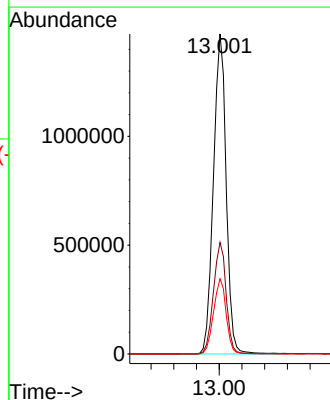
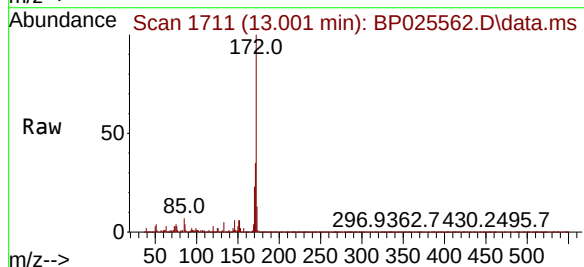
Tgt Ion:172 Resp: 2279423

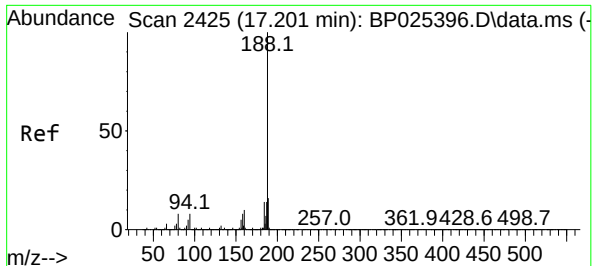
Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 23.5 18.6 28.0

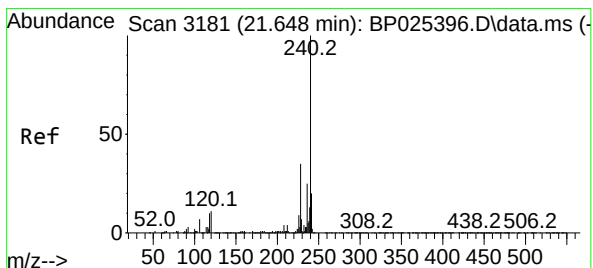
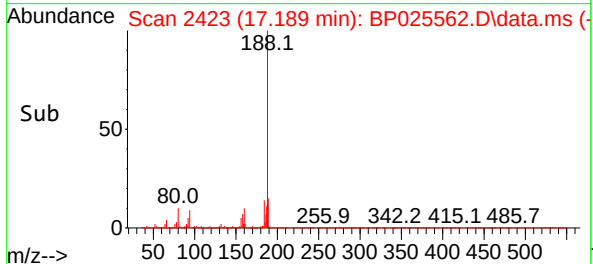
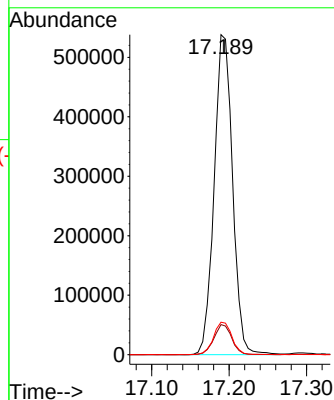
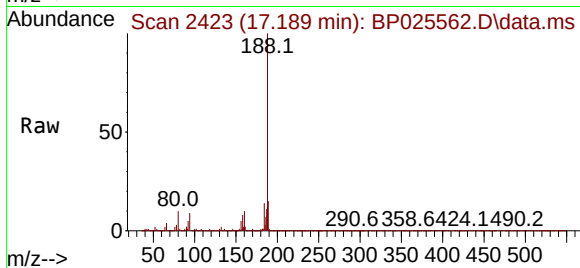




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

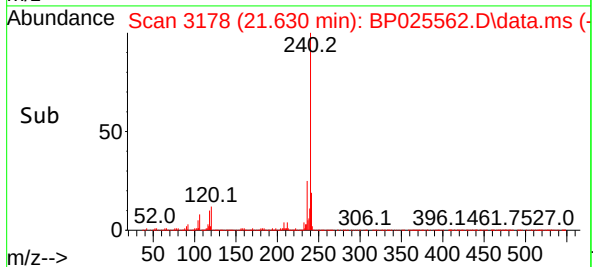
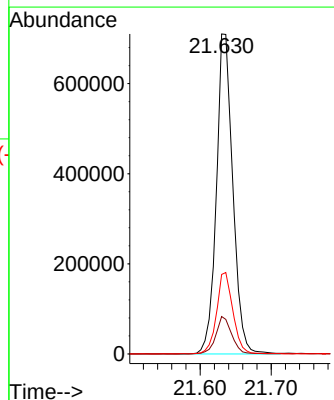
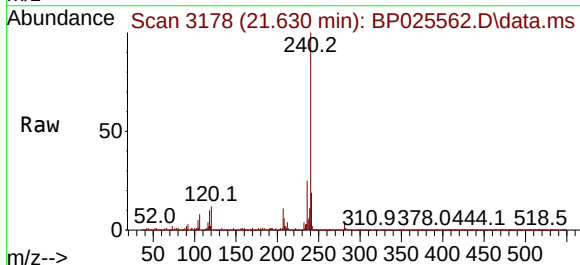
Instrument :
BNA_P
ClientSampleId :
PB169362BL

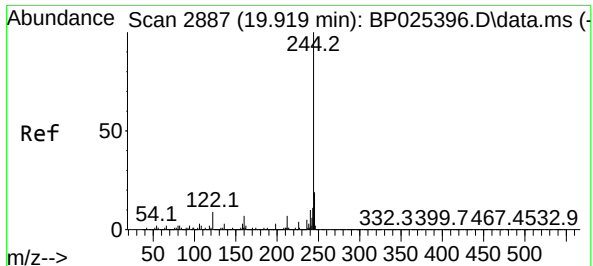
Tgt Ion:188 Resp: 890876
Ion Ratio Lower Upper
188 100
94 9.4 6.6 10.0
80 10.2 6.7 10.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Tgt Ion:240 Resp: 1139399
Ion Ratio Lower Upper
240 100
120 11.7 8.9 13.3
236 24.9 19.8 29.8

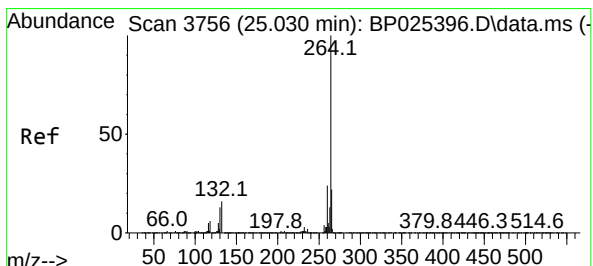
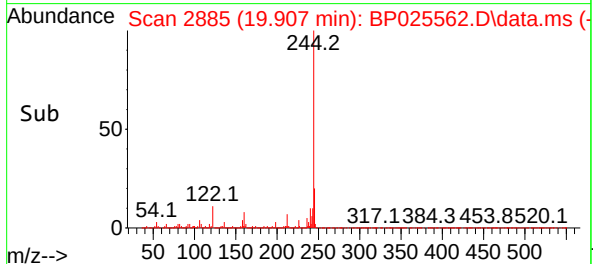
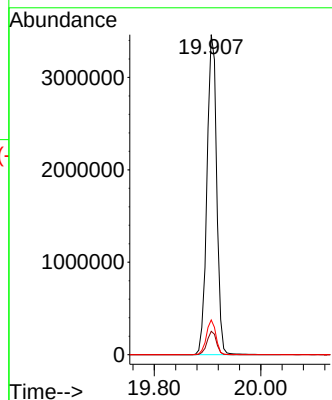
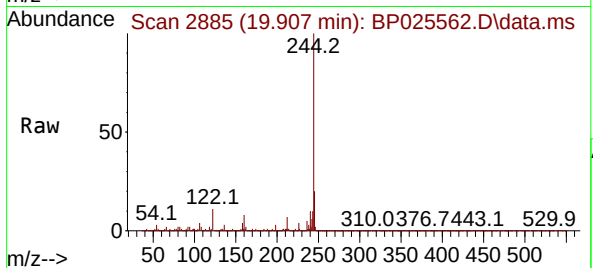




#79
Terphenyl-d14
Concen: 70.100 ng
RT: 19.907 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

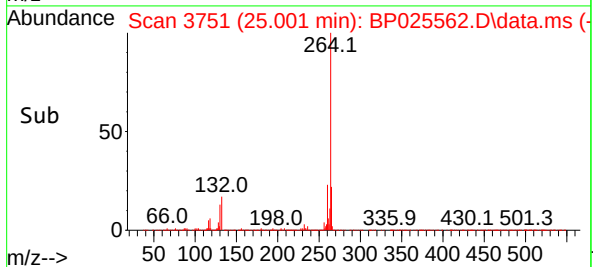
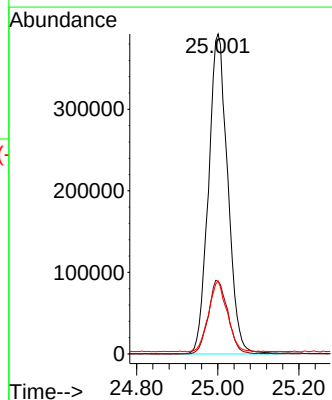
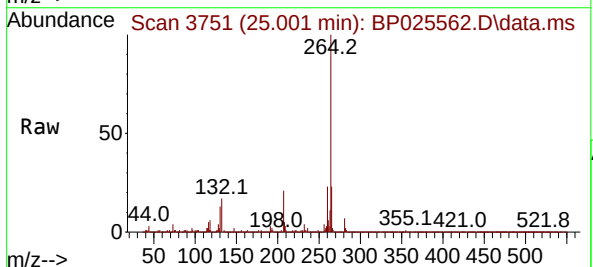
Instrument :
BNA_P
ClientSampleId :
PB169362BL

Tgt Ion:244 Resp: 4365584
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 10.9 7.4 11.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Tgt Ion:264 Resp: 1287992
Ion Ratio Lower Upper
264 100
260 22.7 19.3 28.9
265 22.8 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
 Data File : BP025562.D
 Acq On : 25 Aug 2025 12:54
 Operator : CG/JU
 Sample : PB169362BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169362BL

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-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025562.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.937	334	340	349	rBV	274048	385712	3.26%	0.792%
2	5.402	412	419	431	rBV	2910782	4425282	37.38%	9.085%
3	6.960	676	684	699	rBV	2650857	4451825	37.60%	9.139%
4	7.778	814	823	830	rBV	622696	996709	8.42%	2.046%
5	8.919	1008	1017	1031	rBV	1686610	2946761	24.89%	6.050%
6	10.543	1283	1293	1304	rBV	757756	1350823	11.41%	2.773%
7	13.001	1703	1711	1726	rBV	4265384	6557684	55.39%	13.463%
8	14.389	1939	1947	1962	rBV	1060124	1793337	15.15%	3.682%
9	15.907	2196	2205	2228	rBV	3145653	5351311	45.20%	10.986%
10	17.195	2416	2424	2437	rBV2	1317090	2227676	18.82%	4.573%
11	19.907	2879	2885	2898	rBV	9406868	11839617	100.00%	24.306%
12	21.630	3173	3178	3190	rVB	1930449	3042992	25.70%	6.247%
13	24.995	3742	3750	3765	rVB	1019950	3340202	28.21%	6.857%

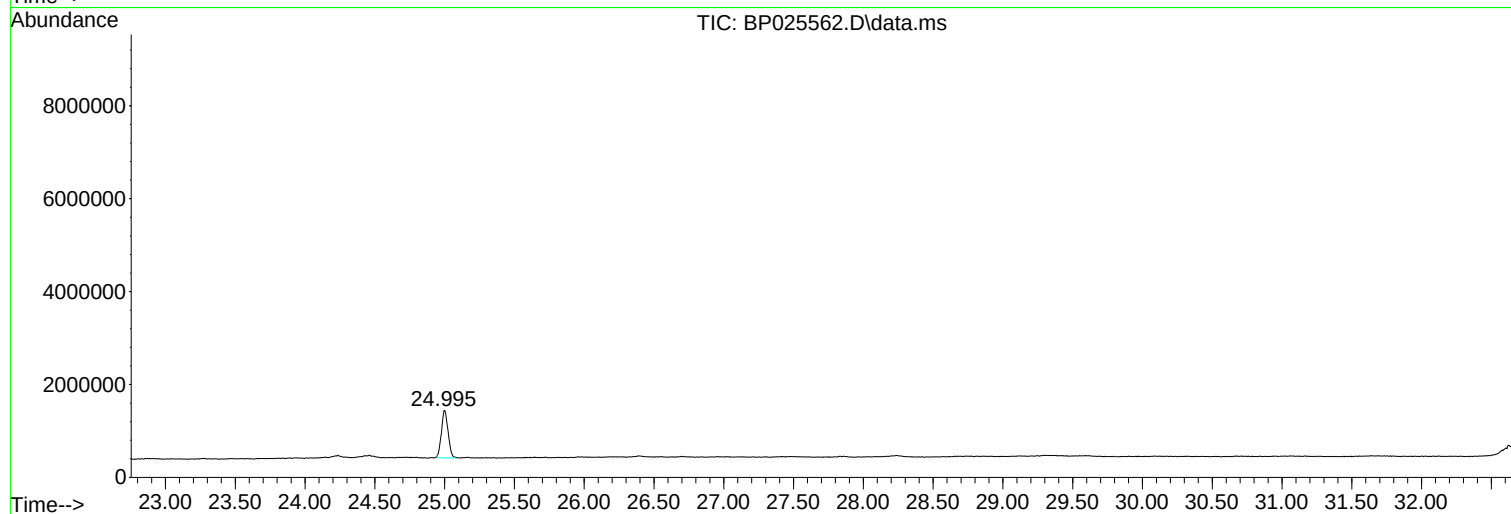
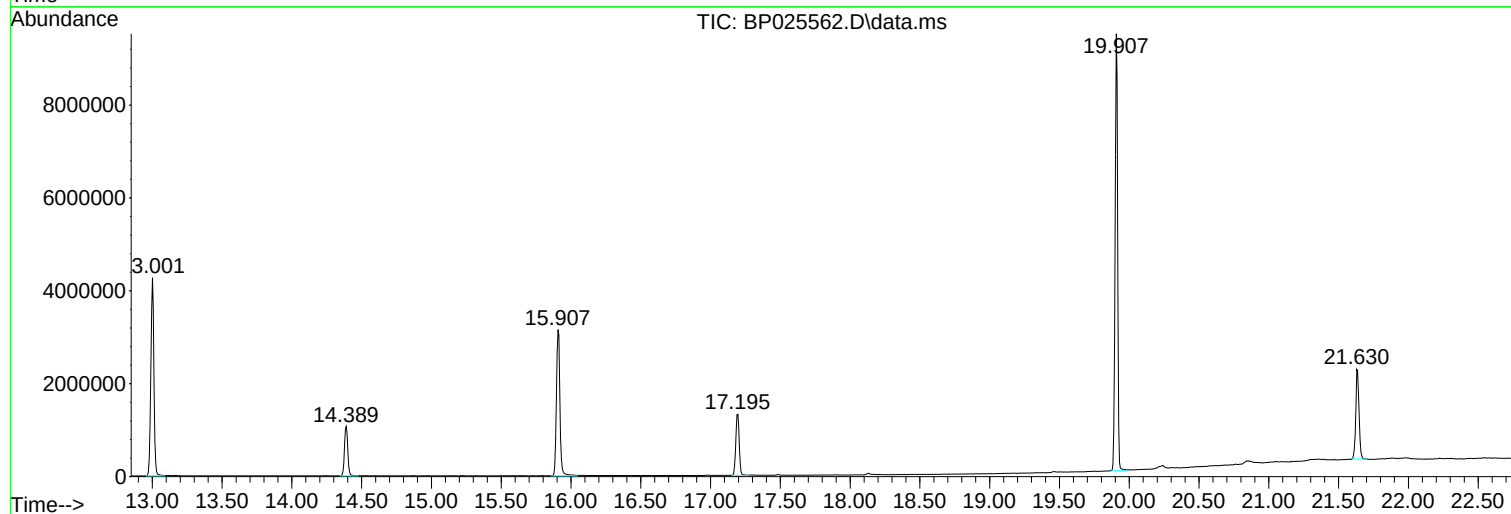
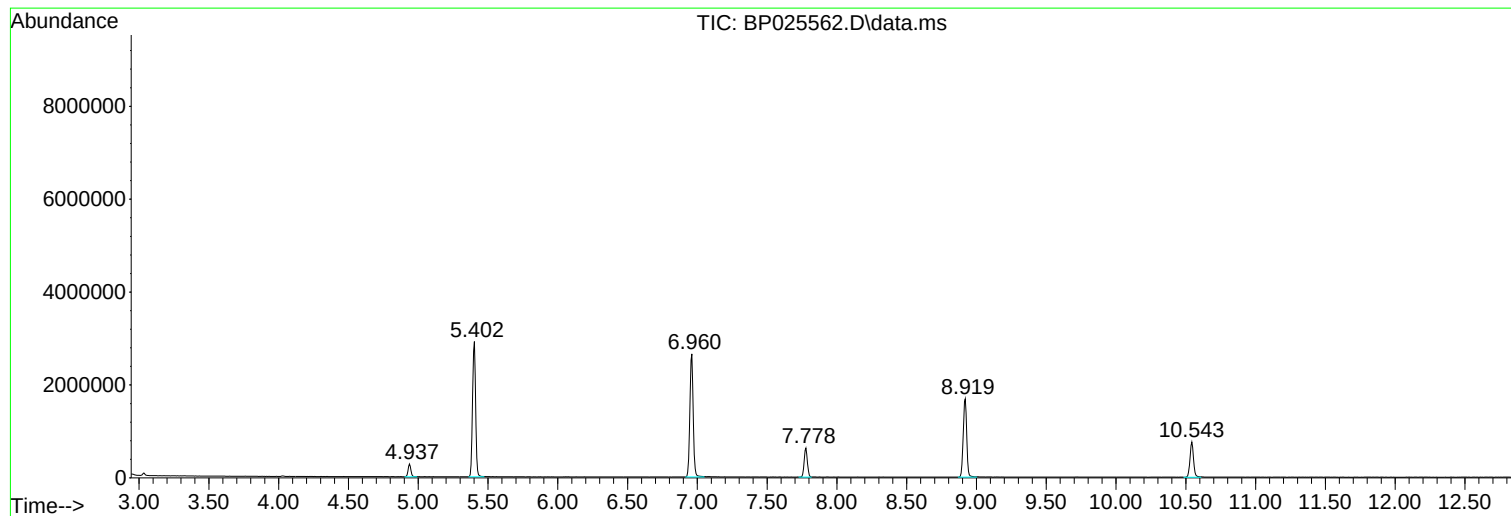
Sum of corrected areas: 48709931

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

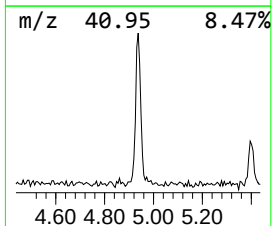
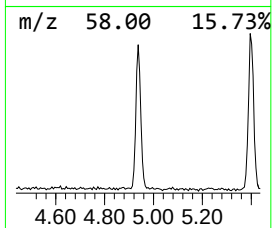
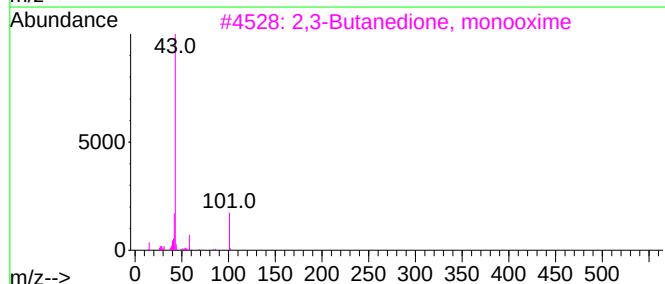
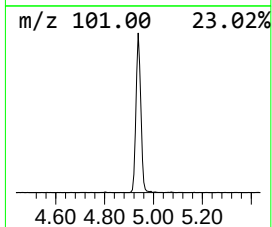
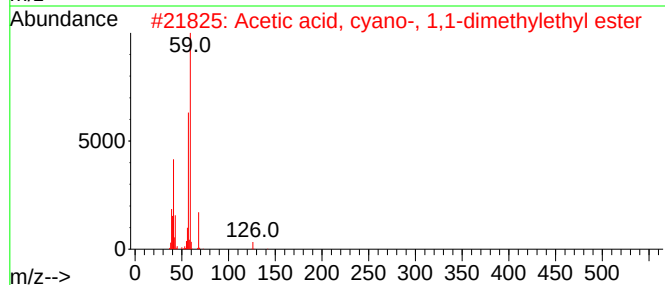
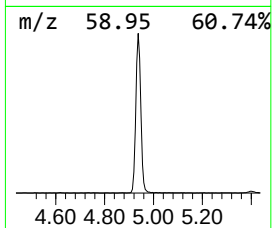
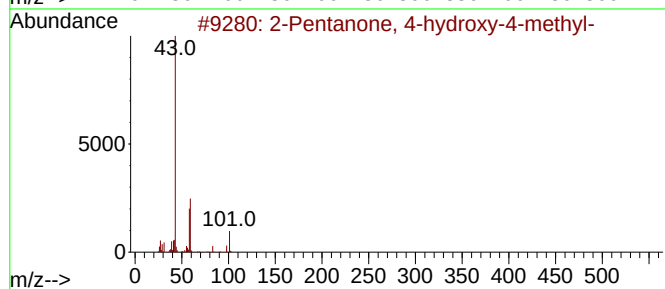
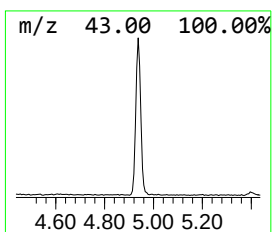
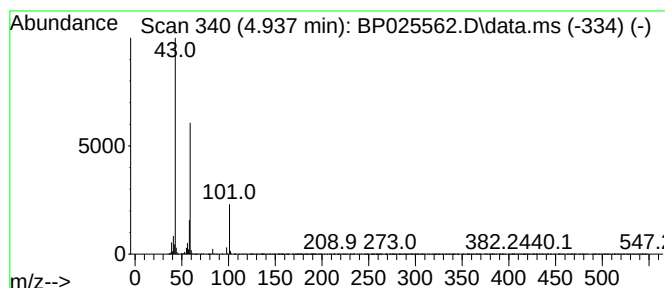
Instrument :
BNA_P
ClientSampleId :
PB169362BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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.	
4.937	7.74 ng	385712	1,4-Dichlorobenzene-d4	7.778	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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	#	RT	Resp	Conc
2-Pentanone, 4-...	4.937	7.7	ng	385712	1	7.778	996709	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
 Data File : BP025581.D
 Acq On : 26 Aug 2025 11:44
 Operator : CG/JU
 Sample : PB169362BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169362BS

Quant Time: Aug 26 12:07:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	256194	20.000	ng	-0.02
21) Naphthalene-d8	10.549	136	1004578	20.000	ng	-0.01
39) Acenaphthene-d10	14.407	164	636349	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	1239646	20.000	ng	0.00
76) Chrysene-d12	21.630	240	1177566	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1318341	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	1791887	116.154	ng	0.00
7) Phenol-d6	6.972	99	2226832	112.588	ng	0.00
23) Nitrobenzene-d5	8.925	82	1431478	72.082	ng	-0.01
42) 2,4,6-Tribromophenol	15.919	330	1021885	119.305	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	3299304	70.859	ng	0.00
79) Terphenyl-d14	19.919	244	4858385	75.484	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	211063	34.929	ng	98
3) Pyridine	3.726	79	587186	35.502	ng	97
4) n-Nitrosodimethylamine	3.631	42	280989	41.209	ng	97
6) Aniline	7.114	93	795779	29.862	ng	97
8) 2-Chlorophenol	7.355	128	723872	41.581	ng	98
9) Benzaldehyde	6.931	77	317953	22.945	ng	97
10) Phenol	7.002	94	864737	41.666	ng	99
11) bis(2-Chloroethyl)ether	7.208	93	648453	40.087	ng	99
12) 1,3-Dichlorobenzene	7.672	146	767314	39.973	ng	100
13) 1,4-Dichlorobenzene	7.814	146	784585	39.989	ng	99
14) 1,2-Dichlorobenzene	8.125	146	755735	39.791	ng	99
15) Benzyl Alcohol	8.014	79	617462	39.290	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.302	45	860354	39.703	ng	100
17) 2-Methylphenol	8.231	107	591057	41.006	ng	99
18) Hexachloroethane	8.855	117	291012	40.340	ng	95
19) n-Nitroso-di-n-propyla...	8.578	70	477539	36.451	ng	99
20) 3+4-Methylphenols	8.555	107	794684	39.774	ng	99
22) Acetophenone	8.596	105	1002924	39.810	ng	# 99
24) Nitrobenzene	8.966	77	730033	41.133	ng	99
25) Isophorone	9.490	82	1378210	39.215	ng	98
26) 2-Nitrophenol	9.666	139	389055	42.713	ng	97
27) 2,4-Dimethylphenol	9.737	122	662704	42.307	ng	99
28) bis(2-Chloroethoxy)met...	9.961	93	850880	40.052	ng	99
29) 2,4-Dichlorophenol	10.208	162	673024	43.252	ng	98
30) 1,2,4-Trichlorobenzene	10.413	180	685300	40.176	ng	99
31) Naphthalene	10.602	128	2075445	39.749	ng	99
32) Benzoic acid	9.908	122	524790	45.380	ng	98
33) 4-Chloroaniline	10.708	127	551600	23.916	ng	99
34) Hexachlorobutadiene	10.878	225	433221	40.781	ng	100
35) Caprolactam	11.502	113	225808	39.576	ng	97
36) 4-Chloro-3-methylphenol	11.843	107	755078	42.289	ng	98
37) 2-Methylnaphthalene	12.207	142	1339301	39.416	ng	98
38) 1-Methylnaphthalene	12.425	142	1381572	38.233	ng	99
40) 1,2,4,5-Tetrachloroben...	12.578	216	771235	41.964	ng	99
41) Hexachlorocyclopentadiene	12.560	237	899638	81.039	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	546655	44.058	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
 Data File : BP025581.D
 Acq On : 26 Aug 2025 11:44
 Operator : CG/JU
 Sample : PB169362BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169362BS

Quant Time: Aug 26 12:07:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.902	196	606774	44.621	ng	99
46) 1,1'-Biphenyl	13.219	154	1931665	41.797	ng	99
47) 2-Chloronaphthalene	13.266	162	1472263	40.921	ng	99
48) 2-Nitroaniline	13.466	65	461040	43.979	ng	98
49) Acenaphthylene	14.119	152	2435658	40.912	ng	100
50) Dimethylphthalate	13.854	163	1911307	41.016	ng	100
51) 2,6-Dinitrotoluene	13.972	165	426287	43.402	ng	99
52) Acenaphthene	14.466	154	1380494	39.505	ng	98
53) 3-Nitroaniline	14.307	138	345007	31.221	ng	97
54) 2,4-Dinitrophenol	14.519	184	533837	101.778	ng	95
55) Dibenzofuran	14.801	168	2222480	40.227	ng	99
56) 4-Nitrophenol	14.643	139	745489	82.098	ng	95
57) 2,4-Dinitrotoluene	14.766	165	611705	43.652	ng	96
58) Fluorene	15.460	166	1754062	40.236	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.037	232	516718	43.035	ng	99
60) Diethylphthalate	15.237	149	1963954	41.478	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	869582	40.107	ng	99
62) 4-Nitroaniline	15.484	138	465461	41.087	ng	98
63) Azobenzene	15.766	77	1705622	42.069	ng	99
65) 4,6-Dinitro-2-methylph...	15.543	198	360561	46.660	ng	97
66) n-Nitrosodiphenylamine	15.684	169	1617614	42.792	ng	99
67) 4-Bromophenyl-phenylether	16.378	248	576012	42.249	ng	100
68) Hexachlorobenzene	16.495	284	664199	42.026	ng	98
69) Atrazine	16.660	200	590609	41.719	ng	100
70) Pentachlorophenol	16.843	266	866823	86.886	ng	96
71) Phenanthrene	17.242	178	2783407	40.874	ng	99
72) Anthracene	17.337	178	2880596	41.423	ng	100
73) Carbazole	17.613	167	2673601	40.817	ng	100
74) Di-n-butylphthalate	18.201	149	3353500	41.612	ng	99
75) Fluoranthene	19.319	202	3247240	39.976	ng	99
77) Benzidine	19.519	184	1596713	39.731	ng	99
78) Pyrene	19.695	202	3319660	43.373	ng	99
80) Butylbenzylphthalate	20.642	149	1537154	44.314	ng	99
81) Benzo(a)anthracene	21.607	228	3274508	42.164	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	934179	31.914	ng	99
83) Chrysene	21.678	228	3029858	41.659	ng	99
84) Bis(2-ethylhexyl)phtha...	21.554	149	2179550	42.684	ng	100
85) Di-n-octyl phthalate	22.836	149	3839151	43.711	ng	99
87) Indeno(1,2,3-cd)pyrene	28.854	276	4001108	41.384	ng	# 95
88) Benzo(b)fluoranthene	23.948	252	3243383	41.722	ng	99
89) Benzo(k)fluoranthene	24.019	252	3250836	41.789	ng	99
90) Benzo(a)pyrene	24.848	252	3144868	41.559	ng	99
91) Dibenzo(a,h)anthracene	28.918	278	3304493	41.824	ng	98
92) Benzo(g,h,i)perylene	30.024	276	3213416	41.376	ng	99

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

Instrument :
BNA_P
ClientSampleId :
PB169362BS

A
B
C
D
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F
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H
I
J
K



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
 Data File : BP025602.D
 Acq On : 27 Aug 2025 14:18
 Operator : CG/JU
 Sample : Q2924-03MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-201-082025MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/28/2025
 Supervised By :Jagrut Upadhyay 08/28/2025

Quant Time: Aug 27 14:56:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	177033	20.000	ng	-0.01
21) Naphthalene-d8	10.566	136	389081m	20.000	ng	0.00
39) Acenaphthene-d10	14.389	164	432672	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	850262	20.000	ng	-0.01
76) Chrysene-d12	21.636	240	903685	20.000	ng	-0.01
86) Perylene-d12	25.001	264	1056322	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.413	112	720276	67.567	ng	0.00
7) Phenol-d6	6.972	99	565271	41.360	ng	0.00
23) Nitrobenzene-d5	8.925	82	1139805	148.189	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	802398	137.779	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	2521559	79.649	ng	-0.02
79) Terphenyl-d14	19.919	244	3799180	76.917	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.325	88	86034	20.604	ng	97
3) Pyridine	3.725	79	216603	18.952	ng	96
4) n-Nitrosodimethylamine	3.631	42	114731	24.350	ng	# 94
6) Aniline	7.119	93	435007	23.623	ng	97
8) 2-Chlorophenol	7.360	128	461645	38.376	ng	100
9) Benzaldehyde	6.937	77	356363	37.216	ng	# 1
10) Phenol	7.002	94	223179	15.562	ng	85
11) bis(2-Chloroethyl)ether	7.213	93	480450	42.982	ng	# 82
12) 1,3-Dichlorobenzene	7.672	146	447780	33.758	ng	98
13) 1,4-Dichlorobenzene	7.819	146	456562	33.675	ng	100
14) 1,2-Dichlorobenzene	8.131	146	451271	34.385	ng	100
15) Benzyl Alcohol	8.043	79	330762	30.458	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.325	45	248133	16.571	ng	# 56
17) 2-Methylphenol	8.249	107	326777	32.808	ng	99
18) Hexachloroethane	8.866	117	450683	90.410	ng	# 55
19) n-Nitroso-di-n-propyla...	8.578	70	370268	40.900	ng	99
20) 3+4-Methylphenols	8.549	107	547488	39.655	ng	99
22) Acetophenone	8.596	105	828397	84.900	ng	98
24) Nitrobenzene	8.966	77	572174	83.237	ng	99
25) Isophorone	9.513	82	1078122	79.204	ng	99
26) 2-Nitrophenol	9.672	139	296181	83.956	ng	98
27) 2,4-Dimethylphenol	9.749	122	445083	73.364	ng	100
28) bis(2-Chloroethoxy)met...	9.990	93	561312	68.218	ng	97
29) 2,4-Dichlorophenol	10.231	162	471453	78.228	ng	97
30) 1,2,4-Trichlorobenzene	10.443	180	497208	75.260	ng	98
31) Naphthalene	10.607	128	53384471m	2639.830	ng	
32) Benzoic acid	9.872	122	137031	30.594	ng	95
33) 4-Chloroaniline	10.707	127	246679m	27.615	ng	
34) Hexachlorobutadiene	10.890	225	285321	69.347	ng	98
35) Caprolactam	11.513	113	35758	16.181	ng	90
36) 4-Chloro-3-methylphenol	11.837	107	513005	74.182	ng	95
37) 2-Methylnaphthalene	12.213	142	10166437	772.505	ng	97
38) 1-Methylnaphthalene	12.431	142	7289723	520.863	ng	99
40) 1,2,4,5-Tetrachloroben...	12.572	216	607380	48.606	ng	99
41) Hexachlorocyclopentadiene	12.554	237	583510	77.305	ng	99
43) 2,4,6-Trichlorophenol	12.813	196	410669	48.679	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
 Data File : BP025602.D
 Acq On : 27 Aug 2025 14:18
 Operator : CG/JU
 Sample : Q2924-03MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-201-082025MS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/28/2025
 Supervised By :Jagrut Upadhyay 08/28/2025

Quant Time: Aug 27 14:56:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

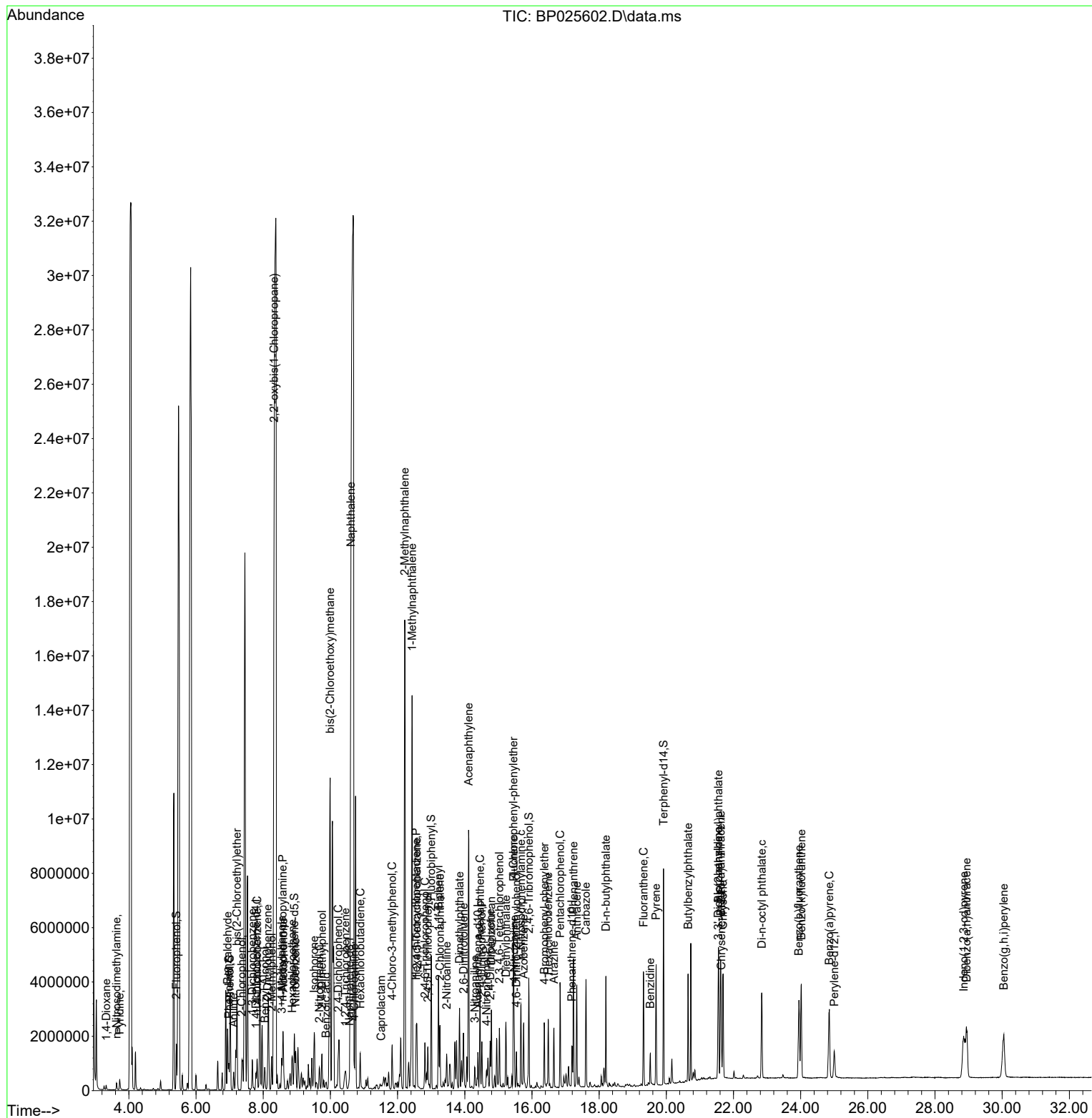
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	442682	47.879	ng	97
46) 1,1'-Biphenyl	13.219	154	2122145	67.534	ng	99
47) 2-Chloronaphthalene	13.260	162	1159450	47.397	ng	99
48) 2-Nitroaniline	13.460	65	373967	52.466	ng	99
49) Acenaphthylene	14.113	152	7330044	181.084	ng	98
50) Dimethylphthalate	13.842	163	1497485	47.263	ng	99
51) 2,6-Dinitrotoluene	13.966	165	332758	49.828	ng	96
52) Acenaphthene	14.454	154	1259575	53.012	ng	100
53) 3-Nitroaniline	14.295	138	230882	30.729	ng	98
54) 2,4-Dinitrophenol	14.507	184	407573	114.285	ng	99
55) Dibenzofuran	14.789	168	1868479	49.740	ng	100
56) 4-Nitrophenol	14.648	139	251770	40.778	ng	96
57) 2,4-Dinitrotoluene	14.760	165	492932	51.735	ng	98
58) Fluorene	15.454	166	1929806	65.105	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.031	232	404723m	49.575	ng	
60) Diethylphthalate	15.225	149	1570718	48.789	ng	99
61) 4-Chlorophenyl-phenyle...	15.448	204	693292	47.029	ng	99
62) 4-Nitroaniline	15.472	138	362177	47.020	ng	97
63) Azobenzene	15.754	77	1380374	50.074	ng	97
65) 4,6-Dinitro-2-methylph...	15.536	198	283344	53.460	ng	94
66) n-Nitrosodiphenylamine	15.672	169	1286193	49.606	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	467298	49.971	ng	99
68) Hexachlorobenzene	16.483	284	552050	50.927	ng	98
69) Atrazine	16.654	200	450342	46.379	ng	98
70) Pentachlorophenol	16.836	266	715400	104.547	ng	98
71) Phenanthrene	17.236	178	2961334	63.401	ng	100
72) Anthracene	17.336	178	2472023	51.827	ng	100
73) Carbazole	17.607	167	2687128	59.810	ng	100
74) Di-n-butylphthalate	18.201	149	2751702	49.782	ng	100
75) Fluoranthene	19.319	202	2756444	49.475	ng	99
77) Benzidine	19.524	184	778981	25.258	ng	99
78) Pyrene	19.695	202	2876336	48.970	ng	99
80) Butylbenzylphthalate	20.648	149	1322126	49.666	ng	98
81) Benzo(a)anthracene	21.618	228	2864079	48.056	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	904366	40.258	ng	99
83) Chrysene	21.689	228	2708735	48.532	ng	99
84) Bis(2-ethylhexyl)phtha...	21.554	149	1840824	46.976	ng	99
85) Di-n-octyl phthalate	22.842	149	3331848	49.432	ng	99
87) Indeno(1,2,3-cd)pyrene	28.853	276	3764445m	48.595	ng	
88) Benzo(b)fluoranthene	23.948	252	3022805	48.529	ng	99
89) Benzo(k)fluoranthene	24.018	252	2971189	47.668	ng	99
90) Benzo(a)pyrene	24.854	252	2898626	47.806	ng	99
91) Dibenzo(a,h)anthracene	28.936	278	3130465	49.450	ng	98
92) Benzo(g,h,i)perylene	30.047	276	3028218	48.663	ng	99

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

Instrument :
BNA_P
ClientSampleId :
MW-201-082025MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jaagrut Upadhyay 08/28/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
 Data File : BP025603.D
 Acq On : 27 Aug 2025 15:00
 Operator : CG/JU
 Sample : Q2924-04MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-201-082025MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/28/2025
 Supervised By :Jagrut Upadhyay 08/28/2025

Quant Time: Aug 27 15:23:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	165573	20.000	ng	-0.02
21) Naphthalene-d8	10.566	136	358938m	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	417829	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	814298	20.000	ng	0.00
76) Chrysene-d12	21.636	240	887974	20.000	ng	-0.01
86) Perylene-d12	25.007	264	1057493	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	671751	67.377	ng	0.00
7) Phenol-d6	6.972	99	529341	41.411	ng	0.00
23) Nitrobenzene-d5	8.925	82	1058184	149.131	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	757775	134.739	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	2386494	78.060	ng	-0.01
79) Terphenyl-d14	19.919	244	3697065	76.174	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.320	88	80709	20.667	ng	99
3) Pyridine	3.725	79	202156	18.912	ng	95
4) n-Nitrosodimethylamine	3.631	42	105107	23.851	ng	96
6) Aniline	7.113	93	412121	23.929	ng	97
8) 2-Chlorophenol	7.360	128	422887	37.587	ng	97
9) Benzaldehyde	6.931	77	320616	35.801	ng	# 1
10) Phenol	6.996	94	209480	15.618	ng	89
11) bis(2-Chloroethyl)ether	7.213	93	438912	41.984	ng	# 81
12) 1,3-Dichlorobenzene	7.672	146	417263	33.634	ng	98
13) 1,4-Dichlorobenzene	7.813	146	431205	34.006	ng	98
14) 1,2-Dichlorobenzene	8.131	146	424297	34.567	ng	99
15) Benzyl Alcohol	8.037	79	309179	30.441	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.319	45	244473	17.457	ng	# 57
17) 2-Methylphenol	8.243	107	305694	32.816	ng	98
18) Hexachloroethane	8.866	117	429233	92.067	ng	# 53
19) n-Nitroso-di-n-propyla...	8.578	70	347670	41.062	ng	99
20) 3+4-Methylphenols	8.543	107	511394	39.604	ng	99
22) Acetophenone	8.590	105	774732	86.068	ng	98
24) Nitrobenzene	8.966	77	536503	84.602	ng	98
25) Isophorone	9.507	82	1014281	80.771	ng	98
26) 2-Nitrophenol	9.672	139	279469	85.872	ng	99
27) 2,4-Dimethylphenol	9.749	122	417062	74.518	ng	97
28) bis(2-Chloroethoxy)met...	9.984	93	542429	71.459	ng	97
29) 2,4-Dichlorophenol	10.231	162	449299	80.812	ng	99
30) 1,2,4-Trichlorobenzene	10.443	180	470127	77.137	ng	98
31) Naphthalene	10.607	128	53257232m	2854.698	ng	
32) Benzoic acid	9.872	122	130466	31.575	ng	99
33) 4-Chloroaniline	10.713	127	245084m	29.741	ng	
34) Hexachlorobutadiene	10.884	225	269655	71.043	ng	97
35) Caprolactam	11.507	113	33012	16.193	ng	92
36) 4-Chloro-3-methylphenol	11.837	107	481225	75.431	ng	91
37) 2-Methylnaphthalene	12.219	142	9833822	809.982	ng	97
38) 1-Methylnaphthalene	12.431	142	6970742	539.898	ng	99
40) 1,2,4,5-Tetrachloroben...	12.572	216	570448	47.272	ng	99
41) Hexachlorocyclopentadiene	12.554	237	532370	73.036	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	388583	47.698	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
 Data File : BP025603.D
 Acq On : 27 Aug 2025 15:00
 Operator : CG/JU
 Sample : Q2924-04MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-201-082025MSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/28/2025
 Supervised By :Jagrut Upadhyay 08/28/2025

Quant Time: Aug 27 15:23:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

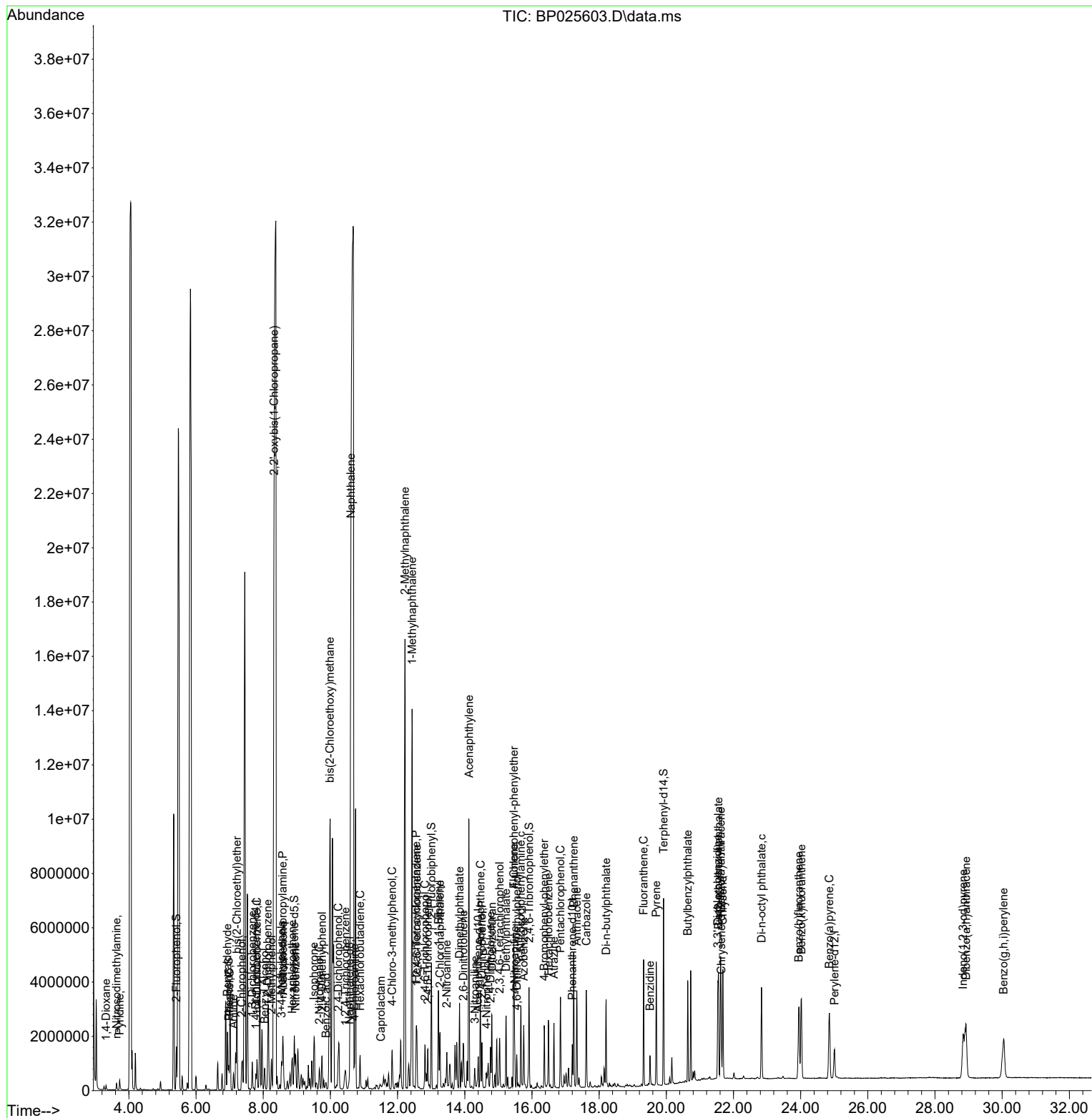
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	423357	47.415	ng	97
46) 1,1'-Biphenyl	13.219	154	2017741	66.493	ng	99
47) 2-Chloronaphthalene	13.260	162	1096677	46.423	ng	98
48) 2-Nitroaniline	13.466	65	352640	51.231	ng	99
49) Acenaphthylene	14.125	152	6895606	176.403	ng	99
50) Dimethylphthalate	13.842	163	1390812	45.456	ng	99
51) 2,6-Dinitrotoluene	13.960	165	314131	48.710	ng	92
52) Acenaphthene	14.466	154	1167251	50.872	ng	100
53) 3-Nitroaniline	14.295	138	223346	30.782	ng	94
54) 2,4-Dinitrophenol	14.513	184	383271	111.288	ng	98
55) Dibenzofuran	14.807	168	1764171	48.631	ng	98
56) 4-Nitrophenol	14.642	139	241694	40.537	ng	92
57) 2,4-Dinitrotoluene	14.766	165	458819	49.866	ng	96
58) Fluorene	15.460	166	1850230	64.638	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.037	232	379145	48.091	ng	99
60) Diethylphthalate	15.231	149	1443076	46.416	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	655680	46.058	ng	96
62) 4-Nitroaniline	15.484	138	349130	46.936	ng	95
63) Azobenzene	15.754	77	1311741	49.274	ng	98
65) 4,6-Dinitro-2-methylph...	15.548	198	268592	52.915	ng	96
66) n-Nitrosodiphenylamine	15.666	169	1192328	48.017	ng	100
67) 4-Bromophenyl-phenylether	16.366	248	442265	49.383	ng	95
68) Hexachlorobenzene	16.489	284	516257	49.728	ng	98
69) Atrazine	16.654	200	428690	46.099	ng	99
70) Pentachlorophenol	16.848	266	659376	100.616	ng	97
71) Phenanthrene	17.242	178	2855159	63.828	ng	99
72) Anthracene	17.336	178	2308905	50.545	ng	99
73) Carbazole	17.619	167	2594549	60.300	ng	99
74) Di-n-butylphthalate	18.207	149	2643612	49.938	ng	100
75) Fluoranthene	19.325	202	2617503	49.056	ng	99
77) Benzidine	19.513	184	785899	25.933	ng	100
78) Pyrene	19.701	202	2744373	47.550	ng	100
80) Butylbenzylphthalate	20.636	149	1291637	49.379	ng	98
81) Benzo(a)anthracene	21.619	228	2778578	47.447	ng	99
82) 3,3'-Dichlorobenzidine	21.530	252	910515	41.249	ng	99
83) Chrysene	21.683	228	2668181	48.651	ng	99
84) Bis(2-ethylhexyl)phtha...	21.554	149	1818319	47.223	ng	100
85) Di-n-octyl phthalate	22.836	149	3269105	49.360	ng	99
87) Indeno(1,2,3-cd)pyrene	28.836	276	3751770	48.377	ng	# 91
88) Benzo(b)fluoranthene	23.948	252	2986627	47.895	ng	98
89) Benzo(k)fluoranthene	24.024	252	2942937	47.163	ng	99
90) Benzo(a)pyrene	24.854	252	2870696	47.293	ng	99
91) Dibenzo(a,h)anthracene	28.924	278	3109637	49.066	ng	98
92) Benzo(g,h,i)perylene	30.042	276	2995786	48.088	ng	98

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

Instrument :
BNA_P
ClientSampleId :
MW-201-082025MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jaagrut Upadhyay 08/28/2025



Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP025393.D	Acenaphthene	Rahul	8/15/2025 9:34:57 AM	Jagrut	8/15/2025 12:49:22 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Acenaphthene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzaldehyde	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzoic acid	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Acenaphthene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Benzoic acid	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICCC040	BP025396.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:47 AM	Jagrut	8/15/2025 12:49:30 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Benzo(g,h,i)perylene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC080	BP025399.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:40 AM	Jagrut	8/15/2025 12:49:36 PM	Peak Integrated by Software
SSTDICV040	BP025400.D	Acenaphthene	Rahul	8/15/2025 9:34:38 AM	Jagrut	8/15/2025 12:49:39 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025403.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:33 AM	Jagrut	8/15/2025 12:49:44 PM	Peak Integrated by Software
SSTDCCC040	BP025405.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:31 AM	Jagrut	8/15/2025 12:49:46 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Acenaphthene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	BP082225	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025544.D	Indeno(1,2,3-cd)pyrene	rahul	8/25/2025 10:22:13 AM	Jagrut	8/25/2025 7:03:59 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	BP082525	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	bp082625	Instrument	BNA_p
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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:	BP082725	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2924-03MS	BP025602.D	2,3,4,6-Tetrachlorophen ol	Rahul	8/28/2025 8:28:48 AM	Jagrut	8/28/2025 1:39:19 PM	Peak Integrated by Software
Q2924-03MS	BP025602.D	4-Chloroaniline	Rahul	8/28/2025 8:28:48 AM	Jagrut	8/28/2025 1:39:19 PM	Peak Integrated by Software
Q2924-03MS	BP025602.D	Indeno(1,2,3-cd)pyrene	Rahul	8/28/2025 8:28:48 AM	Jagrut	8/28/2025 1:39:19 PM	Peak Integrated by Software
Q2924-03MS	BP025602.D	Naphthalene	Rahul	8/28/2025 8:28:48 AM	Jagrut	8/28/2025 1:39:19 PM	Peak Integrated by Software
Q2924-03MS	BP025602.D	Naphthalene-d8	Rahul	8/28/2025 8:28:48 AM	Jagrut	8/28/2025 1:39:19 PM	Peak Integrated by Software
Q2924-04MSD	BP025603.D	4-Chloroaniline	Rahul	8/28/2025 8:28:51 AM	Jagrut	8/28/2025 1:39:22 PM	Peak Integrated by Software
Q2924-04MSD	BP025603.D	Naphthalene	Rahul	8/28/2025 8:28:51 AM	Jagrut	8/28/2025 1:39:22 PM	Peak Integrated by Software
Q2924-04MSD	BP025603.D	Naphthalene-d8	Rahul	8/28/2025 8:28:51 AM	Jagrut	8/28/2025 1:39:22 PM	Peak Integrated by Software

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM
SubDirectory	BP081425	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025390.D	14 Aug 2025 10:30	CG/JU	Ok
2	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	CG/JU	Not Ok
3	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33	CG/JU	Ok
4	SSTDICC005	BP025393.D	14 Aug 2025 13:15	CG/JU	Ok,M
5	SSTDICC010	BP025394.D	14 Aug 2025 13:56	CG/JU	Ok,M
6	SSTDICC020	BP025395.D	14 Aug 2025 14:38	CG/JU	Ok,M
7	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	CG/JU	Ok,M
8	SSTDICC050	BP025397.D	14 Aug 2025 16:01	CG/JU	Ok,M
9	SSTDICC060	BP025398.D	14 Aug 2025 16:42	CG/JU	Ok
10	SSTDICC080	BP025399.D	14 Aug 2025 17:24	CG/JU	Ok,M
11	SSTDICV040	BP025400.D	14 Aug 2025 18:05	CG/JU	Ok,M
12	PB169200TB	BP025401.D	14 Aug 2025 19:28	CG/JU	Ok
13	PB169210BS	BP025402.D	14 Aug 2025 20:10	CG/JU	Ok,M
14	SSTDCCC040	BP025403.D	14 Aug 2025 20:51	CG/JU	Ok,M
15	DFTPP	BP025404.D	14 Aug 2025 22:14	CG/JU	Ok
16	SSTDCCC040	BP025405.D	14 Aug 2025 22:56	CG/JU	Ok,M
17	PB169228BL	BP025406.D	14 Aug 2025 23:37	CG/JU	Ok
18	PB169228BS	BP025407.D	15 Aug 2025 00:18	CG/JU	Ok,M
19	Q2820-10	BP025408.D	15 Aug 2025 01:00	CG/JU	Ok
20	Q2820-11	BP025409.D	15 Aug 2025 01:41	CG/JU	Ok
21	Q2820-21	BP025410.D	15 Aug 2025 02:22	CG/JU	ReRun

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM
SubDirectory	BP081425	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2820-22	BP025411.D	15 Aug 2025 03:03	CG/JU	ReRun
23	Q2820-14	BP025412.D	15 Aug 2025 03:45	CG/JU	Ok
24	Q2820-16	BP025413.D	15 Aug 2025 04:26	CG/JU	Ok
25	Q2820-17	BP025414.D	15 Aug 2025 05:07	CG/JU	Ok
26	Q2820-17MS	BP025415.D	15 Aug 2025 05:48	CG/JU	Ok,M
27	Q2820-17MSD	BP025416.D	15 Aug 2025 06:29	CG/JU	Ok,M
28	Q2820-18	BP025417.D	15 Aug 2025 07:10	CG/JU	Ok
29	Q2820-19	BP025418.D	15 Aug 2025 07:51	CG/JU	ReRun
30	Q2820-20	BP025419.D	15 Aug 2025 08:32	CG/JU	ReRun
31	SSTDCCC040	BP025420.D	15 Aug 2025 09:13	CG/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP082225

Review By	rahul	Review On	8/25/2025 10:24:30 AM
Supervise By	Jagrut	Supervise On	8/25/2025 7:04:22 PM
SubDirectory	BP082225	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13171,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025543.D	22 Aug 2025 10:08	CG/JU	Ok
2	SSTDCCC040	BP025544.D	22 Aug 2025 10:49	CG/JU	Ok,M
3	PB169346BL	BP025545.D	22 Aug 2025 12:06	CG/JU	Ok
4	PB169346BS	BP025546.D	22 Aug 2025 12:47	CG/JU	Ok
5	Q2832-01	BP025547.D	22 Aug 2025 13:32	CG/JU	Ok,M
6	Q2832-03	BP025548.D	22 Aug 2025 14:13	CG/JU	Ok,M
7	Q2903-11	BP025549.D	22 Aug 2025 14:54	CG/JU	Ok
8	Q2916-01	BP025550.D	22 Aug 2025 15:35	CG/JU	Ok
9	Q2936-04	BP025551.D	22 Aug 2025 16:17	CG/JU	Ok
10	Q2924-10	BP025552.D	22 Aug 2025 16:58	CG/JU	Ok
11	Q2934-01	BP025553.D	22 Aug 2025 17:39	CG/JU	Ok
12	Q2934-02	BP025554.D	22 Aug 2025 18:20	CG/JU	Ok
13	Q2934-03	BP025555.D	22 Aug 2025 19:02	CG/JU	Ok
14	Q2934-04	BP025556.D	22 Aug 2025 19:43	CG/JU	Ok
15	Q2917-01	BP025557.D	22 Aug 2025 20:24	CG/JU	Ok,M
16	Q2919-01	BP025558.D	22 Aug 2025 21:05	CG/JU	Ok,M
17	Q2909-01	BP025559.D	22 Aug 2025 21:46	CG/JU	Ok

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP082525

Review By	Rahul	Review On	8/26/2025 10:26:59 AM
Supervise By	Jagrut	Supervise On	8/26/2025 12:54:30 PM
SubDirectory	BP082525	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13173,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025560.D	25 Aug 2025 10:24	CG/JU	Ok
2	SSTDCCC040	BP025561.D	25 Aug 2025 12:13	CG/JU	Ok
3	PB169362BL	BP025562.D	25 Aug 2025 12:54	CG/JU	Ok
4	SP6865	BP025563.D	25 Aug 2025 13:36	CG/JU	Ok
5	Q2933-04	BP025564.D	25 Aug 2025 14:21	CG/JU	Ok
6	Q2933-04MS	BP025565.D	25 Aug 2025 15:02	CG/JU	Ok
7	Q2933-04MSD	BP025566.D	25 Aug 2025 15:43	CG/JU	Ok
8	Q2932-05	BP025567.D	25 Aug 2025 16:25	CG/JU	Ok
9	Q2933-02	BP025568.D	25 Aug 2025 17:06	CG/JU	Ok
10	Q2909-02	BP025569.D	25 Aug 2025 17:48	CG/JU	Ok,M
11	Q2909-02MS	BP025570.D	25 Aug 2025 18:29	CG/JU	Ok,M
12	Q2909-02MSD	BP025571.D	25 Aug 2025 19:11	CG/JU	Ok,M
13	Q2932-01	BP025572.D	25 Aug 2025 19:52	CG/JU	Ok
14	Q2949-01	BP025573.D	25 Aug 2025 20:33	CG/JU	Ok
15	Q2941-01	BP025574.D	25 Aug 2025 21:14	CG/JU	Ok,M
16	Q2947-01	BP025575.D	25 Aug 2025 21:55	CG/JU	Ok,M
17	Q2932-03	BP025576.D	25 Aug 2025 22:37	CG/JU	Not Ok
18	Q2947-03	BP025577.D	25 Aug 2025 23:18	CG/JU	Not Ok

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP082625

Review By	Rahul	Review On	8/27/2025 9:27:24 AM
Supervise By	Jagrut	Supervise On	8/27/2025 11:38:38 AM
SubDirectory	BP082625	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13173,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025578.D	26 Aug 2025 08:59	CG/JU	Ok
2	SSTDCCC040	BP025579.D	26 Aug 2025 10:21	CG/JU	Ok
3	PB169325TB	BP025580.D	26 Aug 2025 11:02	CG/JU	Ok
4	PB169362BS	BP025581.D	26 Aug 2025 11:44	CG/JU	Ok
5	Q2941-02	BP025582.D	26 Aug 2025 12:29	CG/JU	Ok
6	Q2924-05DL	BP025583.D	26 Aug 2025 13:10	CG/JU	Dilution
7	Q2932-03	BP025584.D	26 Aug 2025 13:51	CG/JU	Ok,M
8	Q2926-01	BP025585.D	26 Aug 2025 14:33	CG/JU	Ok
9	Q2924-05DL2	BP025586.D	26 Aug 2025 15:14	CG/JU	Ok
10	Q2940-01	BP025587.D	26 Aug 2025 15:55	CG/JU	Ok
11	Q2924-08	BP025588.D	26 Aug 2025 16:37	CG/JU	Ok
12	Q2924-09	BP025589.D	26 Aug 2025 17:18	CG/JU	Ok
13	Q2924-06	BP025590.D	26 Aug 2025 17:59	CG/JU	Ok
14	Q2936-02	BP025591.D	26 Aug 2025 18:41	CG/JU	Dilution
15	Q2947-03	BP025592.D	26 Aug 2025 19:22	CG/JU	Ok,M
16	Q2892-02	BP025593.D	26 Aug 2025 20:03	CG/JU	Ok
17	Q2928-01	BP025594.D	26 Aug 2025 20:44	CG/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP082725

Review By	Rahul	Review On	8/28/2025 8:32:26 AM
Supervise By	Jagrut	Supervise On	8/28/2025 1:40:30 PM
SubDirectory	BP082725	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13173,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025595.D	27 Aug 2025 08:58	CG/JU	Ok
2	SSTDCCC040	BP025596.D	27 Aug 2025 09:39	CG/JU	Ok
3	PB169370BL	BP025597.D	27 Aug 2025 10:20	CG/JU	Ok
4	PB169370BS	BP025598.D	27 Aug 2025 11:01	CG/JU	Ok
5	PB169382BL	BP025599.D	27 Aug 2025 11:42	CG/JU	Ok
6	PB169382BS	BP025600.D	27 Aug 2025 12:23	CG/JU	Ok
7	Q2924-02	BP025601.D	27 Aug 2025 13:37	CG/JU	Dilution
8	Q2924-03MS	BP025602.D	27 Aug 2025 14:18	CG/JU	Ok,M
9	Q2924-04MSD	BP025603.D	27 Aug 2025 15:00	CG/JU	Ok,M
10	Q2936-02DL	BP025604.D	27 Aug 2025 15:41	CG/JU	Dilution
11	Q2936-02DL2	BP025605.D	27 Aug 2025 16:22	CG/JU	Ok
12	Q2921-01	BP025606.D	27 Aug 2025 17:03	CG/JU	Ok
13	Q2924-02DL	BP025607.D	27 Aug 2025 17:44	CG/JU	Dilution
14	Q2924-02DL2	BP025608.D	27 Aug 2025 18:26	CG/JU	Ok

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM
SubDirectory	BP081425	HP Acquire Method	BNA_P
		HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025390.D	14 Aug 2025 10:30		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	A Fresh Calibration is required.	CG/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33		CG/JU	Ok
4	SSTDICC005	SSTDICC005	BP025393.D	14 Aug 2025 13:15		CG/JU	Ok,M
5	SSTDICC010	SSTDICC010	BP025394.D	14 Aug 2025 13:56		CG/JU	Ok,M
6	SSTDICC020	SSTDICC020	BP025395.D	14 Aug 2025 14:38		CG/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	Benzidine failed in the Calibration Method.	CG/JU	Ok,M
8	SSTDICC050	SSTDICC050	BP025397.D	14 Aug 2025 16:01		CG/JU	Ok,M
9	SSTDICC060	SSTDICC060	BP025398.D	14 Aug 2025 16:42		CG/JU	Ok
10	SSTDICC080	SSTDICC080	BP025399.D	14 Aug 2025 17:24		CG/JU	Ok,M
11	SSTDICV040	ICVBP081425	BP025400.D	14 Aug 2025 18:05		CG/JU	Ok,M
12	PB169200TB	PB169200TB	BP025401.D	14 Aug 2025 19:28		CG/JU	Ok
13	PB169210BS	PB169210BS	BP025402.D	14 Aug 2025 20:10		CG/JU	Ok,M
14	SSTDCCC040	SSTDCCC040EC	BP025403.D	14 Aug 2025 20:51		CG/JU	Ok,M
15	DFTPP	DFTPP	BP025404.D	14 Aug 2025 22:14		CG/JU	Ok
16	SSTDCCC040	SSTDCCC040	BP025405.D	14 Aug 2025 22:56		CG/JU	Ok,M
17	PB169228BL	PB169228BL	BP025406.D	14 Aug 2025 23:37		CG/JU	Ok

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S13170,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	PB169228BS	PB169228BS	BP025407.D	15 Aug 2025 00:18		CG/JU	Ok,M
19	Q2820-10	SOIL-DUP-2	BP025408.D	15 Aug 2025 01:00		CG/JU	Ok
20	Q2820-11	10PC-W	BP025409.D	15 Aug 2025 01:41		CG/JU	Ok
21	Q2820-21	22M-N	BP025410.D	15 Aug 2025 02:22	Surrogate Fail	CG/JU	ReRun
22	Q2820-22	22M-W	BP025411.D	15 Aug 2025 03:03	Surrogate Fail	CG/JU	ReRun
23	Q2820-14	10P-E	BP025412.D	15 Aug 2025 03:45		CG/JU	Ok
24	Q2820-16	10P-N	BP025413.D	15 Aug 2025 04:26		CG/JU	Ok
25	Q2820-17	88H-E	BP025414.D	15 Aug 2025 05:07		CG/JU	Ok
26	Q2820-17MS	88H-EMS	BP025415.D	15 Aug 2025 05:48		CG/JU	Ok,M
27	Q2820-17MSD	88H-EMSD	BP025416.D	15 Aug 2025 06:29		CG/JU	Ok,M
28	Q2820-18	88H-N	BP025417.D	15 Aug 2025 07:10		CG/JU	Ok
29	Q2820-19	88H-W	BP025418.D	15 Aug 2025 07:51	Surrogate fail	CG/JU	ReRun
30	Q2820-20	88H-S	BP025419.D	15 Aug 2025 08:32	Surrogate Fail	CG/JU	ReRun
31	SSTDCCC040	SSTDCCC040EC	BP025420.D	15 Aug 2025 09:13		CG/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082225

Review By	rahul	Review On	8/25/2025 10:24:30 AM		
Supervise By	Jagrut	Supervise On	8/25/2025 7:04:22 PM		
SubDirectory	BP082225	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S13171,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025543.D	22 Aug 2025 10:08		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025544.D	22 Aug 2025 10:49		CG/JU	Ok,M
3	PB169346BL	PB169346BL	BP025545.D	22 Aug 2025 12:06		CG/JU	Ok
4	PB169346BS	PB169346BS	BP025546.D	22 Aug 2025 12:47		CG/JU	Ok
5	Q2832-01	TG-S01	BP025547.D	22 Aug 2025 13:32		CG/JU	Ok,M
6	Q2832-03	TG-S02	BP025548.D	22 Aug 2025 14:13		CG/JU	Ok,M
7	Q2903-11	MW-18A-081925	BP025549.D	22 Aug 2025 14:54		CG/JU	Ok
8	Q2916-01	EO-03-08202025	BP025550.D	22 Aug 2025 15:35		CG/JU	Ok
9	Q2936-04	FB-02-082125	BP025551.D	22 Aug 2025 16:17		CG/JU	Ok
10	Q2924-10	MW-8A-082025	BP025552.D	22 Aug 2025 16:58		CG/JU	Ok
11	Q2934-01	ENV-SW01	BP025553.D	22 Aug 2025 17:39		CG/JU	Ok
12	Q2934-02	ENV-SW02	BP025554.D	22 Aug 2025 18:20		CG/JU	Ok
13	Q2934-03	ENV-SW03	BP025555.D	22 Aug 2025 19:02		CG/JU	Ok
14	Q2934-04	ENV-SW04	BP025556.D	22 Aug 2025 19:43		CG/JU	Ok
15	Q2917-01	OR-02-082025	BP025557.D	22 Aug 2025 20:24		CG/JU	Ok,M
16	Q2919-01	OK-02-08202025	BP025558.D	22 Aug 2025 21:05		CG/JU	Ok,M
17	Q2909-01	4065	BP025559.D	22 Aug 2025 21:46		CG/JU	Ok

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082525

Review By	Rahul	Review On	8/26/2025 10:26:59 AM
Supervise By	Jagrut	Supervise On	8/26/2025 12:54:30 PM
SubDirectory	BP082525	HP Acquire Method	BNA_P
		HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13173,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025560.D	25 Aug 2025 10:24		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025561.D	25 Aug 2025 12:13		CG/JU	Ok
3	PB169362BL	PB169362BL	BP025562.D	25 Aug 2025 12:54		CG/JU	Ok
4	SP6865	SP6865	BP025563.D	25 Aug 2025 13:36		CG/JU	Ok
5	Q2933-04	29-SEPTIC	BP025564.D	25 Aug 2025 14:21		CG/JU	Ok
6	Q2933-04MS	29-SEPTICMS	BP025565.D	25 Aug 2025 15:02		CG/JU	Ok
7	Q2933-04MSD	29-SEPTICMSD	BP025566.D	25 Aug 2025 15:43		CG/JU	Ok
8	Q2932-05	ARS20-0002-CONCRE	BP025567.D	25 Aug 2025 16:25		CG/JU	Ok
9	Q2933-02	25-SEPTIC	BP025568.D	25 Aug 2025 17:06		CG/JU	Ok
10	Q2909-02	4065	BP025569.D	25 Aug 2025 17:48	Internal Standard Fail	CG/JU	Ok,M
11	Q2909-02MS	4065MS	BP025570.D	25 Aug 2025 18:29	Internal Standard Fail	CG/JU	Ok,M
12	Q2909-02MSD	4065MSD	BP025571.D	25 Aug 2025 19:11	Internal standard fail	CG/JU	Ok,M
13	Q2932-01	ARS20-0009	BP025572.D	25 Aug 2025 19:52		CG/JU	Ok
14	Q2949-01	367	BP025573.D	25 Aug 2025 20:33		CG/JU	Ok
15	Q2941-01	SOIL-COMP(1-2)	BP025574.D	25 Aug 2025 21:14		CG/JU	Ok,M
16	Q2947-01	291	BP025575.D	25 Aug 2025 21:55		CG/JU	Ok,M
17	Q2932-03	ARS20-0002-SOIL	BP025576.D	25 Aug 2025 22:37	Out of tune time	CG/JU	Not Ok
18	Q2947-03	235	BP025577.D	25 Aug 2025 23:18	Out of tune time	CG/JU	Not Ok

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082525

Review By	Rahul	Review On	8/26/2025 10:26:59 AM		
Supervise By	Jagrut	Supervise On	8/26/2025 12:54:30 PM		
SubDirectory	BP082525	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840				
CCC	SP6836				
Internal Standard/PEM	S13173,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082625

Review By	Rahul	Review On	8/27/2025 9:27:24 AM		
Supervise By	Jagrut	Supervise On	8/27/2025 11:38:38 AM		
SubDirectory	BP082625	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S13173,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025578.D	26 Aug 2025 08:59		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025579.D	26 Aug 2025 10:21		CG/JU	Ok
3	PB169325TB	PB169325TB	BP025580.D	26 Aug 2025 11:02		CG/JU	Ok
4	PB169362BS	PB169362BS	BP025581.D	26 Aug 2025 11:44		CG/JU	Ok
5	Q2941-02	SOIL-COMP(1-2)	BP025582.D	26 Aug 2025 12:29		CG/JU	Ok
6	Q2924-05DL	MW-2B-082025DL	BP025583.D	26 Aug 2025 13:10	Need 2X further Dilution	CG/JU	Dilution
7	Q2932-03	ARS20-0002-SOIL	BP025584.D	26 Aug 2025 13:51	Internal Standard Fail	CG/JU	Ok,M
8	Q2926-01	TR-04-08212025	BP025585.D	26 Aug 2025 14:33		CG/JU	Ok
9	Q2924-05DL2	MW-2B-082025DL2	BP025586.D	26 Aug 2025 15:14		CG/JU	Ok
10	Q2940-01	COMP(1-6)	BP025587.D	26 Aug 2025 15:55		CG/JU	Ok
11	Q2924-08	MW-16A-082025	BP025588.D	26 Aug 2025 16:37		CG/JU	Ok
12	Q2924-09	MW-16C-082025	BP025589.D	26 Aug 2025 17:18		CG/JU	Ok
13	Q2924-06	MW-2A-082025	BP025590.D	26 Aug 2025 17:59		CG/JU	Ok
14	Q2936-02	MW-19B-082125	BP025591.D	26 Aug 2025 18:41	Need 20X Dilution, Then decide further dilution.	CG/JU	Dilution
15	Q2947-03	235	BP025592.D	26 Aug 2025 19:22		CG/JU	Ok,M
16	Q2892-02	1-FLOOR-NORTH-EAS	BP025593.D	26 Aug 2025 20:03		CG/JU	Ok
17	Q2928-01	27-BELL	BP025594.D	26 Aug 2025 20:44		CG/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082725

Review By	Rahul	Review On	8/28/2025 8:32:26 AM		
Supervise By	Jagrut	Supervise On	8/28/2025 1:40:30 PM		
SubDirectory	BP082725	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S13173,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025595.D	27 Aug 2025 08:58		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025596.D	27 Aug 2025 09:39		CG/JU	Ok
3	PB169370BL	PB169370BL	BP025597.D	27 Aug 2025 10:20		CG/JU	Ok
4	PB169370BS	PB169370BS	BP025598.D	27 Aug 2025 11:01		CG/JU	Ok
5	PB169382BL	PB169382BL	BP025599.D	27 Aug 2025 11:42		CG/JU	Ok
6	PB169382BS	PB169382BS	BP025600.D	27 Aug 2025 12:23		CG/JU	Ok
7	Q2924-02	MW-201-082025	BP025601.D	27 Aug 2025 13:37	Need 20X dilution then decide further dilution	CG/JU	Dilution
8	Q2924-03MS	MW-201-082025MS	BP025602.D	27 Aug 2025 14:18		CG/JU	Ok,M
9	Q2924-04MSD	MW-201-082025MSD	BP025603.D	27 Aug 2025 15:00		CG/JU	Ok,M
10	Q2936-02DL	MW-19B-082125DL	BP025604.D	27 Aug 2025 15:41	Need further 5X dilution	CG/JU	Dilution
11	Q2936-02DL2	MW-19B-082125DL2	BP025605.D	27 Aug 2025 16:22		CG/JU	Ok
12	Q2921-01	MW1	BP025606.D	27 Aug 2025 17:03		CG/JU	Ok
13	Q2924-02DL	MW-201-082025DL	BP025607.D	27 Aug 2025 17:44	Need further 10X dilution	CG/JU	Dilution
14	Q2924-02DL2	MW-201-082025DL2	BP025608.D	27 Aug 2025 18:26		CG/JU	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A **Extraction Start Date :** 08/22/2025

Matrix : Water **Extraction Start Time :** 10:34

Weigh By: N/A **Extraction By:** RS **Extraction End Date :** 08/22/2025

Balance check: N/A **Filter By:** RJ **Extraction End Time :** 15:45

Balance ID: N/A **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: E3953 **Hood ID:** 4,5,6,7 **Supervisor By :** RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standardized Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
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	E3964
Baked Na2SO4	N/A	EP2632
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
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:

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH, 1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1,2 **Envap ID:** NE VAP-02

KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/22/25	RS (Ext Lab)	Rckswoc
15:50	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 08/22/2025

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169362BL	SBLK362	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB169362BS	SLCS362	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
Q2921-01	MW1	SVOCMS Group1	950	6	RUPESH	ritesh	1	C		3
Q2924-01	MW-10C-082025	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C		4
Q2924-02	MW-201-082025	SVOC-TCL BNA -20	950	6	RUPESH	ritesh	1	C		5
Q2924-03	Q2924-02MS	SVOC-TCL BNA -20	970	6	RUPESH	ritesh	1	C		6
Q2924-04	Q2924-02MSD	SVOC-TCL BNA -20	950	6	RUPESH	ritesh	1	C		7
Q2924-05	MW-2B-082025	SVOC-TCL BNA -20	960	6	RUPESH	ritesh	1	C		8
Q2924-06	MW-2A-082025	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C		9
Q2924-07	MW-18C-082025	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	C		10
Q2924-08	MW-16A-082025	SVOC-TCL BNA -20	910	6	RUPESH	ritesh	1	C		11
Q2924-09	MW-16C-082025	SVOC-TCL BNA -20	940	6	RUPESH	ritesh	1	C		12
Q2924-10	MW-8A-082025	SVOC-TCL BNA -20	930	6	RUPESH	ritesh	1	C		13
Q2924-11	FB-01-082025	SVOC-TCL BNA -20	960	6	RUPESH	ritesh	1	C		14
Q2934-01	ENV-SW01	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	F		15
Q2934-02	ENV-SW02	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	F		16
Q2934-03	ENV-SW03	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	F		SEP-1
Q2934-04	ENV-SW04	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	F		2
Q2936-01	MW-19A-082125	SVOC-TCL BNA -20	850	6	RUPESH	ritesh	1	C		3
Q2936-02	MW-19B-082125	SVOC-TCL BNA -20	900	6	RUPESH	ritesh	1	C		4
Q2936-03	MW-19C-082125	SVOC-TCL BNA -20	940	6	RUPESH	ritesh	1	C		5
Q2936-04	FB-02-082125	SVOC-TCL BNA -20	950	6	RUPESH	ritesh	1	C		6

* Extracts relinquished on the same date as received.

R8
8/22

10:55 AM
1/6/2025

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2924

WorkList ID : 191429

Department : Extraction

Date : 08-22-2025 10:22:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2921-01	MW1	Water	SVOCMS Group1	Cool 4 deg C	GENV01	D11	08/20/2025	8270E
Q2924-01	MW-10C-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-02	MW-201-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-03	Q2924-02MS	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-04	Q2924-02MSD	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-05	MW-2B-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-06	MW-2A-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-07	MW-18C-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-08	MW-16A-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-09	MW-16C-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-10	MW-8A-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-11	FB-01-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2934-01	ENV-SW01	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	D41	08/21/2025	8270E
Q2934-02	ENV-SW02	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	D41	08/21/2025	8270E
Q2934-03	ENV-SW03	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	D41	08/21/2025	8270E
Q2934-04	ENV-SW04	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	D41	08/21/2025	8270E
Q2936-01	MW-19A-082125	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	08/21/2025	8270E
Q2936-02	MW-19B-082125	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	08/21/2025	8270E
Q2936-03	MW-19C-082125	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	08/21/2025	8270E
Q2936-04	FB-02-082125	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	08/21/2025	8270E

Date/Time 8/22/25 10:30
Raw Sample Received by: RS (Ext 26)
Raw Sample Relinquished by: RS (Ext 26)

Date/Time 8/22/25 11:15
Raw Sample Received by: RS
Raw Sample Relinquished by: RS (Ext 26)

LAB CHRONICLE

OrderID:	Q2934	OrderDate:	8/21/2025 2:34:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2934-01	ENV-SW01	Water	SVOC-TCL BNA -20	8270E	08/21/25	08/22/25	08/22/25	08/21/25
Q2934-02	ENV-SW02	Water	SVOC-TCL BNA -20	8270E	08/21/25	08/22/25	08/22/25	08/21/25
Q2934-03	ENV-SW03	Water	SVOC-TCL BNA -20	8270E	08/21/25	08/22/25	08/22/25	08/21/25
Q2934-04	ENV-SW04	Water	SVOC-TCL BNA -20	8270E	08/21/25	08/22/25	08/22/25	08/21/25