

Hit Summary Sheet SW-846

SDG No.: Q2177
Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	B-187-SB01							
Q2177-02	B-187-SB01	SOIL	Naphthalene	640.000		26.9	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	2-Methylnaphthalene	250.000		30.3	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	1,1-Biphenyl	100.000	J	25.8	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Acenaphthene	1,500.000		25.2	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Dibenzofuran	880.000		26.9	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Fluorene	1,200.000		30	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Phenanthrene	8,800.000	E	24.8	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Anthracene	2,700.000		39.5	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Carbazole	1,000.000		37	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Fluoranthene	8,200.000	E	35.6	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Pyrene	7,400.000	E	42.7	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzo(a)anthracene	3,800.000	E	27.3	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Chrysene	3,300.000	E	23.6	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzo(b)fluoranthene	3,900.000	E	22.5	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzo(k)fluoranthene	1,400.000		26.6	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzo(a)pyrene	3,400.000	E	35	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Indeno(1,2,3-cd)pyrene	1,700.000		34.5	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Dibenzo(a,h)anthracene	480.000		32.5	200	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzo(g,h,i)perylene	2,000.000		30.5	200	ug/Kg
Total Svoc :				52,650.00				
Q2177-02	B-187-SB01	SOIL	1H-Cyclopropa[1]phenanthrene, 1a *	500.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	250.000	AB	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	4H-Cyclopenta[def]phenanthrene *	1,700.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	9,10-Anthracenedione *	420.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	9H-Fluoren-9-one *	250.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	9H-Fluorene, 2-methyl- *	380.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Acridine *	270.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzo[e]pyrene *	760.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzo[j]fluoranthene *	1,400.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Benzophenone *	630.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Cyclopenta(def)phenanthrenone *	370.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Dibenzo[a,e]cyclooctene *	280.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Dibenzothiophene *	660.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Phenanthrene, 1-methyl- *	1,300.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Phenanthrene, 2,5-dimethyl- *	350.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Phenanthrene, 2-methyl- *	810.000	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Phenanthrene, 4-methyl- *	430.000	J	0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2177
Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2177-02	B-187-SB01	SOIL	Tridecane	*	450.000	J	0	0 ug/Kg
Q2177-02	B-187-SB01	SOIL	Naphthalene, 2-phenyl-	*	750.000	J	0	0 ug/Kg
Q2177-02	B-187-SB01	SOIL	Perylene	*	2,900.000	J	0	0 ug/Kg
Q2177-02	B-187-SB01	SOIL	1-Methylnaphthalene	*	190.000	J	30.6	200 ug/Kg
Total Tics :				15,050.00				
Total Concentration:				67,700.00				
Client ID : B-187-SB01DL								
Q2177-02DL	B-187-SB01DL	SOIL	Naphthalene		670.000	JD	130	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Acenaphthene		1,700.000	D	130	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Dibenzofuran		930.000	JD	130	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Fluorene		1,200.000	D	150	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Phenanthrene		11,700.000	D	120	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Anthracene		3,000.000	D	200	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Carbazole		1,100.000	D	180	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Fluoranthene		11,900.000	D	180	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Pyrene		9,000.000	D	210	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Benzo(a)anthracene		4,100.000	D	140	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Chrysene		3,600.000	D	120	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Benzo(b)fluoranthene		4,200.000	D	110	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Benzo(k)fluoranthene		1,500.000	D	130	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Benzo(a)pyrene		3,600.000	D	170	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Indeno(1,2,3-cd)pyrene		1,800.000	D	170	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Dibenzo(a,h)anthracene		490.000	JD	160	1000 ug/Kg
Q2177-02DL	B-187-SB01DL	SOIL	Benzo(g,h,i)perylene		2,100.000	D	150	1000 ug/Kg
Total Svoc :				62,590.00				
Total Concentration:				62,590.00				
Client ID : B-187-SB02								
Q2177-04	B-187-SB02	SOIL	1,1-Biphenyl, 5,2,3,4-tetramet	*	280.000	J	0	0 ug/Kg
Q2177-04	B-187-SB02	SOIL	1,2,4,8-Tetramethylbicyclo[6.3.0]n	*	180.000	J	0	0 ug/Kg
Q2177-04	B-187-SB02	SOIL	1,2-Dodecanediol	*	130.000	J	0	0 ug/Kg
Q2177-04	B-187-SB02	SOIL	10,18-Bisnorabieta-5,7,9(10),11,1	*	690.000	J	0	0 ug/Kg
Q2177-04	B-187-SB02	SOIL	12-Tricosanol	*	1,000.000	J	0	0 ug/Kg
Q2177-04	B-187-SB02	SOIL	16-Hentriacontanol	*	260.000	J	0	0 ug/Kg
Q2177-04	B-187-SB02	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	340.000	AB	0	0 ug/Kg
Q2177-04	B-187-SB02	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	1,600.000	J	0	0 ug/Kg
Q2177-04	B-187-SB02	SOIL	6-Isopropenyl-4,8a-dimethyl-4a,5	*	270.000	J	0	0 ug/Kg
Q2177-04	B-187-SB02	SOIL	Benzophenone	*	340.000	J	0	0 ug/Kg
Q2177-04	B-187-SB02	SOIL	n-Hexadecanoic acid	*	210.000	J	0	0 ug/Kg
Q2177-04	B-187-SB02	SOIL	Octadecyl trifluoroacetate	*	510.000	J	0	0 ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2177
Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2177-04	B-187-SB02	SOIL	p-Cymene	* 590.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	Retene	* 1,100.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	Tetrahydroabietic acid	* 150.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	unknown12.174	* 210.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	unknown14.239	* 130.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	unknown17.674	* 200.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	unknown17.762	* 150.000	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	unknown18.274	* 550.000	J	0	0	ug/Kg

Total Tics : 8,890.00
Total Concentration: 8,890.00

Client ID : B-202-SB01

Q2177-06	B-202-SB01	SOIL	Phenanthrene	230.000		24.4	200	ug/Kg
Q2177-06	B-202-SB01	SOIL	Fluoranthene	250.000		35	200	ug/Kg
Q2177-06	B-202-SB01	SOIL	Pyrene	220.000		42	200	ug/Kg
Q2177-06	B-202-SB01	SOIL	Benzo(a)anthracene	92.000	J	26.9	200	ug/Kg
Q2177-06	B-202-SB01	SOIL	Chrysene	95.100	J	23.2	200	ug/Kg
Q2177-06	B-202-SB01	SOIL	Benzo(b)fluoranthene	99.000	J	22.2	200	ug/Kg
Q2177-06	B-202-SB01	SOIL	Benzo(a)pyrene	87.100	J	34.5	200	ug/Kg

Total Svoc : 1,073.20

Q2177-06	B-202-SB01	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	250.000	AB	0	0	ug/Kg
Q2177-06	B-202-SB01	SOIL	n-Hexadecanoic acid	* 260.000	J	0	0	ug/Kg
Q2177-06	B-202-SB01	SOIL	Benzophenone	* 380.000	J	0	0	ug/Kg

Total Tics : 890.00
Total Concentration: 1,963.20

Client ID : EB05312025

Q2177-08	EB05312025	WATER	1-Ethyl-2-pyrrolidinone	* 5.500	J	0	0	ug/L
Q2177-08	EB05312025	WATER	1-Propanol, 2-(2-hydroxypropoxy) *	30.400	J	0	0	ug/L
Q2177-08	EB05312025	WATER	2-Pentanone, 4-hydroxy-4-methyl *	3.700	AB	0	0	ug/L
Q2177-08	EB05312025	WATER	2-Propanol, 1-(2-butoxy-1-methyl) *	24.300	J	0	0	ug/L
Q2177-08	EB05312025	WATER	2-Propanol, 1-butoxy-	* 4.200	J	0	0	ug/L

Total Tics : 68.10
Total Concentration: 68.10



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024895.D	1	06/04/25 12:45	06/10/25 15:46	PB168259

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

TARGETS

100-52-7	Benzaldehyde	180	U	180	390	ug/Kg
108-95-2	Phenol	26.2	U	26.2	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.8	U	28.8	200	ug/Kg
95-57-8	2-Chlorophenol	28.9	U	28.9	200	ug/Kg
95-48-7	2-Methylphenol	35.4	U	35.4	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.4	U	44.4	200	ug/Kg
98-86-2	Acetophenone	35.0	U	35.0	200	ug/Kg
65794-96-9	3+4-Methylphenols	48.7	U	48.7	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.2	U	56.2	94.8	ug/Kg
67-72-1	Hexachloroethane	20.9	U	20.9	200	ug/Kg
98-95-3	Nitrobenzene	21.7	U	21.7	200	ug/Kg
78-59-1	Isophorone	38.9	U	38.9	200	ug/Kg
88-75-5	2-Nitrophenol	69.0	U	69.0	200	ug/Kg
105-67-9	2,4-Dimethylphenol	76.8	U	76.8	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.5	U	36.5	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.5	U	33.5	200	ug/Kg
91-20-3	Naphthalene	640		26.9	200	ug/Kg
106-47-8	4-Chloroaniline	42.0	UQ	42.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.0	U	30.0	200	ug/Kg
105-60-2	Caprolactam	61.8	U	61.8	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.0	U	34.0	200	ug/Kg
91-57-6	2-Methylnaphthalene	250		30.3	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.5	U	23.5	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.5	U	34.5	200	ug/Kg
92-52-4	1,1-Biphenyl	100	J	25.8	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.7	U	26.7	200	ug/Kg
88-74-4	2-Nitroaniline	57.0	U	57.0	200	ug/Kg
131-11-3	Dimethylphthalate	32.1	U	32.1	200	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024895.D	1	06/04/25 12:45	06/10/25 15:46	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.3	U	34.3	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.8	U	39.8	200	ug/Kg
99-09-2	3-Nitroaniline	54.5	UQ	54.5	200	ug/Kg
83-32-9	Acenaphthene	1500		25.2	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	390	ug/Kg
132-64-9	Dibenzofuran	880		26.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.4	U	59.4	200	ug/Kg
84-66-2	Diethylphthalate	33.5	U	33.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.6	U	31.6	200	ug/Kg
86-73-7	Fluorene	1200		30.0	200	ug/Kg
100-01-6	4-Nitroaniline	76.1	U	76.1	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.0	U	39.0	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.0	U	33.0	200	ug/Kg
118-74-1	Hexachlorobenzene	30.0	U	30.0	200	ug/Kg
1912-24-9	Atrazine	40.3	U	40.3	200	ug/Kg
87-86-5	Pentachlorophenol	60.8	U	60.8	390	ug/Kg
85-01-8	Phenanthrene	8800	E	24.8	200	ug/Kg
120-12-7	Anthracene	2700		39.5	200	ug/Kg
86-74-8	Carbazole	1000		37.0	200	ug/Kg
84-74-2	Di-n-butylphthalate	56.8	U	56.8	200	ug/Kg
206-44-0	Fluoranthene	8200	E	35.6	200	ug/Kg
129-00-0	Pyrene	7400	E	42.7	200	ug/Kg
85-68-7	Butylbenzylphthalate	84.6	U	84.6	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.5	UQ	43.5	390	ug/Kg
56-55-3	Benzo(a)anthracene	3800	E	27.3	200	ug/Kg
218-01-9	Chrysene	3300	E	23.6	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	70.2	U	70.2	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	3900	E	22.5	200	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024895.D	1	06/04/25 12:45	06/10/25 15:46	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1400		26.6	200	ug/Kg
50-32-8	Benzo(a)pyrene	3400	E	35.0	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		34.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	480		32.5	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		30.5	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.3	U	30.3	200	ug/Kg
123-91-1	1,4-Dioxane	53.6	U	53.6	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.5	U	32.5	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	106		30 (18) - 130 (112)	70%	SPK: 150
13127-88-3	Phenol-d6	105		30 (15) - 130 (107)	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.0		30 (18) - 130 (107)	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.3		30 (20) - 130 (109)	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	112		30 (10) - 130 (116)	74%	SPK: 150
1718-51-0	Terphenyl-d14	56.2		30 (10) - 130 (105)	56%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	260000	7.607
1146-65-2	Naphthalene-d8	1060000	10.378
15067-26-2	Acenaphthene-d10	672000	14.26
1517-22-2	Phenanthrene-d10	1300000	17.072
1719-03-5	Chrysene-d12	1320000	21.507
1520-96-3	Perylene-d12	1600000	24.76

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB	4.77	ug/Kg
000629-50-5	Tridecane	450	J	11.8	ug/Kg
90-12-0	1-Methylnaphthalene	190	J	12.3	ug/Kg
000119-61-9	Benzophenone	630	J	15.6	ug/Kg
001430-97-3	9H-Fluorene, 2-methyl-	380	J	16.4	ug/Kg
000486-25-9	9H-Fluoren-9-one	250	J	16.7	ug/Kg
000132-65-0	Dibenzothiophene	660	J	16.9	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024895.D	1	06/04/25 12:45	06/10/25 15:46	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000260-94-6	Acridine	270	J		17.3	ug/Kg
000262-89-5	Dibenzo[a,e]cyclooctene	280	J		17.6	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	810	J		18.0	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	1300	J		18.0	ug/Kg
000949-41-7	1H-Cyclopropa[1]phenanthrene,1a,9b	500	J		18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	1700	J		18.2	ug/Kg
000832-64-4	Phenanthrene, 4-methyl-	430	J		18.2	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	750	J		18.5	ug/Kg
000084-65-1	9,10-Anthracenedione	420	J		18.5	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	350	J		18.9	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	370	J		19.1	ug/Kg
000192-97-2	Benzo[e]pyrene	760	J		24.0	ug/Kg
000198-55-0	Perylene	2900	J		24.5	ug/Kg
000205-82-3	Benzo[j]fluoranthene	1400	J		24.8	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01DL	SDG No.:	Q2177
Lab Sample ID:	Q2177-02DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024917.D	5	06/04/25 12:45	06/11/25 18:27	PB168259

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

TARGETS

100-52-7	Benzaldehyde	920	UD	920	2000	ug/Kg
108-95-2	Phenol	130	UD	130	1000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	UD	140	1000	ug/Kg
95-57-8	2-Chlorophenol	140	UD	140	1000	ug/Kg
95-48-7	2-Methylphenol	180	UD	180	1000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	220	UD	220	1000	ug/Kg
98-86-2	Acetophenone	170	UD	170	1000	ug/Kg
65794-96-9	3+4-Methylphenols	240	UD	240	2000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	280	UD	280	470	ug/Kg
67-72-1	Hexachloroethane	100	UD	100	1000	ug/Kg
98-95-3	Nitrobenzene	110	UD	110	1000	ug/Kg
78-59-1	Isophorone	190	UD	190	1000	ug/Kg
88-75-5	2-Nitrophenol	340	UD	340	1000	ug/Kg
105-67-9	2,4-Dimethylphenol	380	UD	380	1000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	UD	180	1000	ug/Kg
120-83-2	2,4-Dichlorophenol	170	UD	170	1000	ug/Kg
91-20-3	Naphthalene	670	JD	130	1000	ug/Kg
106-47-8	4-Chloroaniline	210	UDQ	210	1000	ug/Kg
87-68-3	Hexachlorobutadiene	150	UD	150	1000	ug/Kg
105-60-2	Caprolactam	310	UD	310	2000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	UD	170	1000	ug/Kg
91-57-6	2-Methylnaphthalene	150	UD	150	1000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	690	UD	690	2000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	120	UD	120	1000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	UD	170	1000	ug/Kg
92-52-4	1,1-Biphenyl	130	UD	130	1000	ug/Kg
91-58-7	2-Chloronaphthalene	130	UD	130	1000	ug/Kg
88-74-4	2-Nitroaniline	290	UD	290	1000	ug/Kg
131-11-3	Dimethylphthalate	160	UD	160	1000	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01DL	SDG No.:	Q2177
Lab Sample ID:	Q2177-02DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024917.D	5	06/04/25 12:45	06/11/25 18:27	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	UD	170	1000	ug/Kg
606-20-2	2,6-Dinitrotoluene	200	UD	200	1000	ug/Kg
99-09-2	3-Nitroaniline	270	UDQ	270	1000	ug/Kg
83-32-9	Acenaphthene	1700	D	130	1000	ug/Kg
51-28-5	2,4-Dinitrophenol	1400	UD	1400	2000	ug/Kg
100-02-7	4-Nitrophenol	630	UD	630	2000	ug/Kg
132-64-9	Dibenzofuran	930	JD	130	1000	ug/Kg
121-14-2	2,4-Dinitrotoluene	300	UD	300	1000	ug/Kg
84-66-2	Diethylphthalate	170	UD	170	1000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	UD	160	1000	ug/Kg
86-73-7	Fluorene	1200	D	150	1000	ug/Kg
100-01-6	4-Nitroaniline	380	UD	380	1000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	610	UD	610	2000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	UD	190	1000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	UD	160	1000	ug/Kg
118-74-1	Hexachlorobenzene	150	UD	150	1000	ug/Kg
1912-24-9	Atrazine	200	UD	200	1000	ug/Kg
87-86-5	Pentachlorophenol	300	UD	300	2000	ug/Kg
85-01-8	Phenanthrene	11700	D	120	1000	ug/Kg
120-12-7	Anthracene	3000	D	200	1000	ug/Kg
86-74-8	Carbazole	1100	D	180	1000	ug/Kg
84-74-2	Di-n-butylphthalate	280	UD	280	1000	ug/Kg
206-44-0	Fluoranthene	11900	D	180	1000	ug/Kg
129-00-0	Pyrene	9000	D	210	1000	ug/Kg
85-68-7	Butylbenzylphthalate	420	UD	420	1000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	UDQ	220	2000	ug/Kg
56-55-3	Benzo(a)anthracene	4100	D	140	1000	ug/Kg
218-01-9	Chrysene	3600	D	120	1000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	350	UD	350	1000	ug/Kg
117-84-0	Di-n-octyl phthalate	510	UD	510	2000	ug/Kg
205-99-2	Benzo(b)fluoranthene	4200	D	110	1000	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01DL	SDG No.:	Q2177
Lab Sample ID:	Q2177-02DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024917.D	5	06/04/25 12:45	06/11/25 18:27	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500	D	130	1000	ug/Kg
50-32-8	Benzo(a)pyrene	3600	D	170	1000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800	D	170	1000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	490	JD	160	1000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2100	D	150	1000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	UD	150	1000	ug/Kg
123-91-1	1,4-Dioxane	270	UD	270	1000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	UD	160	1000	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	108		30 (18) - 130 (112)	72%	SPK: 150
13127-88-3	Phenol-d6	104		30 (15) - 130 (107)	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.0		30 (18) - 130 (107)	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.1		30 (20) - 130 (109)	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	112		30 (10) - 130 (116)	75%	SPK: 150
1718-51-0	Terphenyl-d14	58.1		30 (10) - 130 (105)	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	220000	7.613			
1146-65-2	Naphthalene-d8	880000	10.384			
15067-26-2	Acenaphthene-d10	533000	14.254			
1517-22-2	Phenanthrene-d10	1070000	17.06			
1719-03-5	Chrysene-d12	1300000	21.489			
1520-96-3	Perylene-d12	1570000	24.754			

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	62.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142652.D	1	06/04/25 12:45	06/06/25 18:01	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	250	U	250	530	ug/Kg
108-95-2	Phenol	35.2	U	35.2	270	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	38.7	U	38.7	270	ug/Kg
95-57-8	2-Chlorophenol	38.8	U	38.8	270	ug/Kg
95-48-7	2-Methylphenol	47.6	U	47.6	270	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	59.7	U	59.7	270	ug/Kg
98-86-2	Acetophenone	46.9	U	46.9	270	ug/Kg
65794-96-9	3+4-Methylphenols	65.4	U	65.4	530	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	75.4	U	75.4	130	ug/Kg
67-72-1	Hexachloroethane	28.0	U	28.0	270	ug/Kg
98-95-3	Nitrobenzene	29.1	U	29.1	270	ug/Kg
78-59-1	Isophorone	52.2	U	52.2	270	ug/Kg
88-75-5	2-Nitrophenol	92.6	U	92.6	270	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	270	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	49.0	U	49.0	270	ug/Kg
120-83-2	2,4-Dichlorophenol	45.0	U	45.0	270	ug/Kg
91-20-3	Naphthalene	36.1	U	36.1	270	ug/Kg
106-47-8	4-Chloroaniline	56.3	UQ	56.3	270	ug/Kg
87-68-3	Hexachlorobutadiene	40.3	U	40.3	270	ug/Kg
105-60-2	Caprolactam	82.9	U	82.9	530	ug/Kg
59-50-7	4-Chloro-3-methylphenol	45.7	U	45.7	270	ug/Kg
91-57-6	2-Methylnaphthalene	40.7	U	40.7	270	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	530	ug/Kg
88-06-2	2,4,6-Trichlorophenol	31.5	U	31.5	270	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.3	U	46.3	270	ug/Kg
92-52-4	1,1-Biphenyl	34.7	U	34.7	270	ug/Kg
91-58-7	2-Chloronaphthalene	35.8	U	35.8	270	ug/Kg
88-74-4	2-Nitroaniline	76.5	U	76.5	270	ug/Kg
131-11-3	Dimethylphthalate	43.1	U	43.1	270	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	62.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142652.D	1	06/04/25 12:45	06/06/25 18:01	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	46.0	U	46.0	270	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.5	U	53.5	270	ug/Kg
99-09-2	3-Nitroaniline	73.2	UQ	73.2	270	ug/Kg
83-32-9	Acenaphthene	33.9	U	33.9	270	ug/Kg
51-28-5	2,4-Dinitrophenol	360	U	360	530	ug/Kg
100-02-7	4-Nitrophenol	170	U	170	530	ug/Kg
132-64-9	Dibenzofuran	36.1	U	36.1	270	ug/Kg
121-14-2	2,4-Dinitrotoluene	79.7	U	79.7	270	ug/Kg
84-66-2	Diethylphthalate	45.0	U	45.0	270	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	42.5	U	42.5	270	ug/Kg
86-73-7	Fluorene	40.3	U	40.3	270	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	270	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	530	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.4	U	52.4	270	ug/Kg
101-55-3	4-Bromophenyl-phenylether	44.2	U	44.2	270	ug/Kg
118-74-1	Hexachlorobenzene	40.3	U	40.3	270	ug/Kg
1912-24-9	Atrazine	54.1	U	54.1	270	ug/Kg
87-86-5	Pentachlorophenol	81.6	U	81.6	530	ug/Kg
85-01-8	Phenanthrene	33.3	U	33.3	270	ug/Kg
120-12-7	Anthracene	53.0	U	53.0	270	ug/Kg
86-74-8	Carbazole	49.6	U	49.6	270	ug/Kg
84-74-2	Di-n-butylphthalate	76.2	U	76.2	270	ug/Kg
206-44-0	Fluoranthene	47.7	U	47.7	270	ug/Kg
129-00-0	Pyrene	57.3	U	57.3	270	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	270	ug/Kg
91-94-1	3,3-Dichlorobenzidine	58.4	UQ	58.4	530	ug/Kg
56-55-3	Benzo(a)anthracene	36.6	U	36.6	270	ug/Kg
218-01-9	Chrysene	31.7	U	31.7	270	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	94.2	U	94.2	270	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	530	ug/Kg
205-99-2	Benzo(b)fluoranthene	30.2	U	30.2	270	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	62.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142652.D	1	06/04/25 12:45	06/06/25 18:01	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	35.6	U	35.6	270	ug/Kg
50-32-8	Benzo(a)pyrene	46.9	U	46.9	270	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.3	U	46.3	270	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	43.6	U	43.6	270	ug/Kg
191-24-2	Benzo(g,h,i)perylene	40.9	U	40.9	270	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	40.7	U	40.7	270	ug/Kg
123-91-1	1,4-Dioxane	71.9	U	71.9	270	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43.6	U	43.6	270	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	75.3		30 (18) - 130 (112)	50%	SPK: 150
13127-88-3	Phenol-d6	78.1		30 (15) - 130 (107)	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.1		30 (18) - 130 (107)	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.2		30 (20) - 130 (109)	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.7		30 (10) - 130 (116)	48%	SPK: 150
1718-51-0	Terphenyl-d14	32.0		30 (10) - 130 (105)	32%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	127000	6.892
1146-65-2	Naphthalene-d8	464000	8.175
15067-26-2	Acenaphthene-d10	242000	9.933
1517-22-2	Phenanthrene-d10	342000	11.422
1719-03-5	Chrysene-d12	233000	14.063
1520-96-3	Perylene-d12	282000	15.562

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	340	AB	5.10	ug/Kg
000099-87-6	p-Cymene	590	J	6.97	ug/Kg
000119-61-9	Benzophenone	340	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J	11.9	ug/Kg
	unknown12.174	210	J	12.2	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	1600	J	12.4	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	690	J	12.7	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	62.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142652.D	1	06/04/25 12:45	06/06/25 18:01	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000483-65-8	Retene	1100	J		13.1	ug/Kg
1000251-96-9	Tetrahydroabietic acid	150	J		13.8	ug/Kg
079392-43-1	Octadecyl trifluoroacetate	510	J		13.9	ug/Kg
	unknown14.239	130	J		14.2	ug/Kg
024897-74-3	12-Tricosanol	1000	J		14.5	ug/Kg
119101-30-3	1,1-Biphenyl, 5,2,3,4-tetramet	280	J		14.6	ug/Kg
001119-87-5	1,2-Dodecanediol	130	J		14.9	ug/Kg
001070-54-8	16-Hentriacontanol	260	J		15.2	ug/Kg
086917-79-5	6-Isopropenyl-4,8a-dimethyl-4a,5,6	270	J		17.4	ug/Kg
	unknown17.674	200	J		17.7	ug/Kg
	unknown17.762	150	J		17.8	ug/Kg
137235-51-9	1,2,4,8-Tetramethylbicyclo[6.3.0]u	180	J		18.0	ug/Kg
	unknown18.274	550	J		18.3	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024899.D	1	06/04/25 12:45	06/10/25 18:30	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	390	ug/Kg
108-95-2	Phenol	25.8	U	25.8	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.4	U	28.4	200	ug/Kg
95-57-8	2-Chlorophenol	28.5	U	28.5	200	ug/Kg
95-48-7	2-Methylphenol	34.9	U	34.9	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.8	U	43.8	200	ug/Kg
98-86-2	Acetophenone	34.5	U	34.5	200	ug/Kg
65794-96-9	3+4-Methylphenols	48.0	U	48.0	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.4	U	55.4	93.4	ug/Kg
67-72-1	Hexachloroethane	20.6	U	20.6	200	ug/Kg
98-95-3	Nitrobenzene	21.4	U	21.4	200	ug/Kg
78-59-1	Isophorone	38.3	U	38.3	200	ug/Kg
88-75-5	2-Nitrophenol	68.0	U	68.0	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.7	U	75.7	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.0	U	36.0	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.1	U	33.1	200	ug/Kg
91-20-3	Naphthalene	26.5	U	26.5	200	ug/Kg
106-47-8	4-Chloroaniline	41.3	UQ	41.3	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.5	U	29.5	200	ug/Kg
105-60-2	Caprolactam	60.8	U	60.8	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.5	U	33.5	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.9	U	29.9	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.1	U	23.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.0	U	34.0	200	ug/Kg
92-52-4	1,1-Biphenyl	25.5	U	25.5	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.3	U	26.3	200	ug/Kg
88-74-4	2-Nitroaniline	56.2	U	56.2	200	ug/Kg
131-11-3	Dimethylphthalate	31.6	U	31.6	200	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024899.D	1	06/04/25 12:45	06/10/25 18:30	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.8	U	33.8	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.2	U	39.2	200	ug/Kg
99-09-2	3-Nitroaniline	53.7	UQ	53.7	200	ug/Kg
83-32-9	Acenaphthene	24.9	U	24.9	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	390	ug/Kg
132-64-9	Dibenzofuran	26.5	U	26.5	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.5	U	58.5	200	ug/Kg
84-66-2	Diethylphthalate	33.1	U	33.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.2	U	31.2	200	ug/Kg
86-73-7	Fluorene	29.5	U	29.5	200	ug/Kg
100-01-6	4-Nitroaniline	75.0	U	75.0	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.4	U	38.4	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.5	U	32.5	200	ug/Kg
118-74-1	Hexachlorobenzene	29.5	U	29.5	200	ug/Kg
1912-24-9	Atrazine	39.7	U	39.7	200	ug/Kg
87-86-5	Pentachlorophenol	59.9	U	59.9	390	ug/Kg
85-01-8	Phenanthrene	230		24.4	200	ug/Kg
120-12-7	Anthracene	38.9	U	38.9	200	ug/Kg
86-74-8	Carbazole	36.4	U	36.4	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.9	U	55.9	200	ug/Kg
206-44-0	Fluoranthene	250		35.0	200	ug/Kg
129-00-0	Pyrene	220		42.0	200	ug/Kg
85-68-7	Butylbenzylphthalate	83.4	U	83.4	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.9	UQ	42.9	390	ug/Kg
56-55-3	Benzo(a)anthracene	92.0	J	26.9	200	ug/Kg
218-01-9	Chrysene	95.1	J	23.2	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	69.1	U	69.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	99.0	J	22.2	200	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024899.D	1	06/04/25 12:45	06/10/25 18:30	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.2	U	26.2	200	ug/Kg
50-32-8	Benzo(a)pyrene	87.1	J	34.5	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.0	U	34.0	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.0	U	32.0	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.0	U	30.0	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.9	U	29.9	200	ug/Kg
123-91-1	1,4-Dioxane	52.8	U	52.8	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.0	U	32.0	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	107		30 (18) - 130 (112)	71%	SPK: 150
13127-88-3	Phenol-d6	107		30 (15) - 130 (107)	71%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.5		30 (18) - 130 (107)	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.6		30 (20) - 130 (109)	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	113		30 (10) - 130 (116)	75%	SPK: 150
1718-51-0	Terphenyl-d14	55.9		30 (10) - 130 (105)	56%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	259000	7.608
1146-65-2	Naphthalene-d8	1050000	10.378
15067-26-2	Acenaphthene-d10	660000	14.248
1517-22-2	Phenanthrene-d10	1280000	17.054
1719-03-5	Chrysene-d12	1410000	21.489
1520-96-3	Perylene-d12	1730000	24.766

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB	4.77	ug/Kg
000119-61-9	Benzophenone	380	J	15.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	260	J	18.0	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024899.D	1	06/04/25 12:45	06/10/25 18:30	PB168259

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142658.D	1	06/04/25 11:45	06/06/25 21:02	PB168285

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142658.D	1	06/04/25 11:45	06/06/25 21:02	PB168285

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142658.D	1	06/04/25 11:45	06/06/25 21:02	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	5.10	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.60	U	0.60	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.68	U	0.68	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.70	U	0.70	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.53	U	0.53	5.10	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.73	U	0.73	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	15.9	*	15 (23) - 110 (138)	11%	SPK: 150
13127-88-3	Phenol-d6	11.1	*	15 (10) - 110 (134)	7%	SPK: 150
4165-60-0	Nitrobenzene-d5	17.6	*	30 (67) - 130 (132)	18%	SPK: 100
321-60-8	2-Fluorobiphenyl	17.7	*	30 (52) - 130 (132)	18%	SPK: 100
118-79-6	2,4,6-Tribromophenol	26.0		15 (44) - 110 (137)	17%	SPK: 150
1718-51-0	Terphenyl-d14	14.9	*	30 (42) - 130 (152)	15%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	110000	6.892			
1146-65-2	Naphthalene-d8	419000	8.181			
15067-26-2	Acenaphthene-d10	222000	9.933			
1517-22-2	Phenanthrene-d10	326000	11.422			
1719-03-5	Chrysene-d12	209000	14.063			
1520-96-3	Perylene-d12	250000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.70	AB		5.10	ug/L
005131-66-8	2-Propanol, 1-butoxy-	4.20	J		6.19	ug/L
002687-91-4	1-Ethyl-2-pyrrolidinone	5.50	J		7.53	ug/L
029911-28-2	2-Propanol, 1-(2-butoxy-1-methylet	24.3	J		8.40	ug/L
000106-62-7	1-Propanol, 2-(2-hydroxypropoxy)-	30.4	J		8.42	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142658.D	1	06/04/25 11:45	06/06/25 21:02	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168259BL	PB168259BL	2-Fluorophenol	150	124	83		30 (18)	130 (112)
		Phenol-d6	150	126	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	78.1	78		30 (18)	130 (107)
		2-Fluorobiphenyl	100	74.4	74		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	127	84		30 (10)	130 (116)
		Terphenyl-d14	100	78.9	79		30 (10)	130 (105)
PB168259BS	PB168259BS	2-Fluorophenol	150	135	90		30 (18)	130 (112)
		Phenol-d6	150	134	89		30 (15)	130 (107)
		Nitrobenzene-d5	100	85.0	85		30 (18)	130 (107)
		2-Fluorobiphenyl	100	85.4	85		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	125	84		30 (10)	130 (116)
		Terphenyl-d14	100	72.5	73		30 (10)	130 (105)
Q2177-02	B-187-SB01	2-Fluorophenol	150	106	70		30 (18)	130 (112)
		Phenol-d6	150	105	70		30 (15)	130 (107)
		Nitrobenzene-d5	100	62.0	62		30 (18)	130 (107)
		2-Fluorobiphenyl	100	59.3	59		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	112	74		30 (10)	130 (116)
		Terphenyl-d14	100	56.2	56		30 (10)	130 (105)
Q2177-02DL	B-187-SB01DL	2-Fluorophenol	150	108	72		30 (18)	130 (112)
		Phenol-d6	150	104	69		30 (15)	130 (107)
		Nitrobenzene-d5	100	61.0	61		30 (18)	130 (107)
		2-Fluorobiphenyl	100	63.1	63		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	112	75		30 (10)	130 (116)
		Terphenyl-d14	100	58.1	58		30 (10)	130 (105)
Q2177-04	B-187-SB02	2-Fluorophenol	150	75.3	50		30 (18)	130 (112)
		Phenol-d6	150	78.1	52		30 (15)	130 (107)
		Nitrobenzene-d5	100	49.1	49		30 (18)	130 (107)
		2-Fluorobiphenyl	100	47.2	47		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	71.7	48		30 (10)	130 (116)
		Terphenyl-d14	100	32.0	32		30 (10)	130 (105)
Q2177-06	B-202-SB01	2-Fluorophenol	150	107	71		30 (18)	130 (112)
		Phenol-d6	150	107	71		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.5	61		30 (18)	130 (107)
		2-Fluorobiphenyl	100	57.6	58		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	113	75		30 (10)	130 (116)
		Terphenyl-d14	100	55.9	56		30 (10)	130 (105)
Q2194-03MS	COMP-13MS	2-Fluorophenol	150	82.7	55		30 (18)	130 (112)
		Phenol-d6	150	81.8	55		30 (15)	130 (107)
		Nitrobenzene-d5	100	52.9	53		30 (18)	130 (107)
		2-Fluorobiphenyl	100	51.7	52		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	78.7	52		30 (10)	130 (116)
		Terphenyl-d14	100	36.8	37		30 (10)	130 (105)
Q2194-03MSD	COMP-13MSD	2-Fluorophenol	150	82.9	55		30 (18)	130 (112)
		Phenol-d6	150	82.3	55		30 (15)	130 (107)
		Nitrobenzene-d5	100	52.1	52		30 (18)	130 (107)
		2-Fluorobiphenyl	100	50.1	50		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	77.4	52		30 (10)	130 (116)
		Terphenyl-d14	100	39.9	40		30 (10)	130 (105)

Surrogate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168285BL	PB168285BL	2-Fluorophenol	150	125	83		15 (23)	110 (138)
		Phenol-d6	150	124	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	78.6	79		30 (67)	130 (132)
		2-Fluorobiphenyl	100	75.2	75		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	122	82		15 (44)	110 (137)
		Terphenyl-d14	100	78.1	78		30 (42)	130 (152)
PB168285BS	PB168285BS	2-Fluorophenol	150	126	84		15 (23)	110 (138)
		Phenol-d6	150	127	85		15 (10)	110 (134)
		Nitrobenzene-d5	100	77.8	78		30 (67)	130 (132)
		2-Fluorobiphenyl	100	76.2	76		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	129	86		15 (44)	110 (137)
		Terphenyl-d14	100	81.8	82		30 (42)	130 (152)
PB168285BSD	PB168285BSD	2-Fluorophenol	150	125	83		15 (23)	110 (138)
		Phenol-d6	150	127	84		15 (10)	110 (134)
		Nitrobenzene-d5	100	79.4	79		30 (67)	130 (132)
		2-Fluorobiphenyl	100	77.6	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	129	86		15 (44)	110 (137)
		Terphenyl-d14	100	79.2	79		30 (42)	130 (152)
Q2177-08	EB05312025	2-Fluorophenol	150	15.9	11	*	15 (23)	110 (138)
		Phenol-d6	150	11.1	7	*	15 (10)	110 (134)
		Nitrobenzene-d5	100	17.6	18	*	30 (67)	130 (132)
		2-Fluorobiphenyl	100	17.7	18	*	30 (52)	130 (132)
		2,4,6-Tribromophenol	150	26.0	17		15 (44)	110 (137)
		Terphenyl-d14	100	14.9	15	*	30 (42)	130 (152)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2194-03MS		Client Sample ID: COMP-13MS		DataFile: BF142629.D							
Benzaldehyde	1100	0	800	ug/Kg	73				20 (10)	160 (171)	
Phenol	1100	0	970	ug/Kg	88				20 (51)	160 (122)	
bis(2-Chloroethyl)ether	1100	0	1000	ug/Kg	91				70 (54)	130 (125)	
2-Chlorophenol	1100	0	1000	ug/Kg	91				70 (51)	130 (121)	
2-Methylphenol	1100	0	950	ug/Kg	86				70 (47)	130 (125)	
2,2-oxybis(1-Chloropropane)	1100	0	970	ug/Kg	88				70 (46)	130 (119)	
Acetophenone	1100	0	980	ug/Kg	89				70 (55)	130 (128)	
3+4-Methylphenols	1100	0	910	ug/Kg	83				20 (49)	160 (125)	
N-Nitroso-di-n-propylamine	1100	0	900	ug/Kg	82				70 (59)	130 (119)	
Hexachloroethane	1100	0	990	ug/Kg	90				20 (51)	160 (116)	
Nitrobenzene	1100	0	1000	ug/Kg	91				70 (47)	130 (124)	
Isophorone	1100	0	960	ug/Kg	87				70 (49)	130 (127)	
2-Nitrophenol	1100	0	1100	ug/Kg	100				70 (43)	130 (131)	
2,4-Dimethylphenol	1100	0	980	ug/Kg	89				70 (63)	130 (151)	
bis(2-Chloroethoxy)methane	1100	0	1000	ug/Kg	91				70 (51)	130 (119)	
2,4-Dichlorophenol	1100	0	980	ug/Kg	89				70 (50)	130 (122)	
Naphthalene	1100	0	990	ug/Kg	90				70 (51)	130 (121)	
4-Chloroaniline	1100	0	570	ug/Kg	52	*			70 (10)	130 (100)	
Hexachlorobutadiene	1100	0	1000	ug/Kg	91				70 (44)	130 (126)	
Caprolactam	1100	0	990	ug/Kg	90				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1100	0	900	ug/Kg	82				70 (57)	130 (132)	
2-Methylnaphthalene	1100	0	960	ug/Kg	87				70 (59)	130 (123)	
Hexachlorocyclopentadiene	2300	0	2000	ug/Kg	87				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1100	0	1000	ug/Kg	91				70 (33)	130 (141)	
2,4,5-Trichlorophenol	1100	0	1000	ug/Kg	91				70 (38)	130 (135)	
1,1-Biphenyl	1100	0	1100	ug/Kg	100				70 (55)	130 (131)	
2-Chloronaphthalene	1100	0	1100	ug/Kg	100				70 (48)	130 (124)	
2-Nitroaniline	1100	0	1000	ug/Kg	91				70 (47)	130 (134)	
Dimethylphthalate	1100	0	980	ug/Kg	89				70 (54)	130 (120)	
Acenaphthylene	1100	0	1000	ug/Kg	91				70 (57)	130 (125)	
2,6-Dinitrotoluene	1100	0	1000	ug/Kg	91				70 (48)	130 (127)	
3-Nitroaniline	1100	0	680	ug/Kg	62	*			70 (10)	130 (112)	
Acenaphthene	1100	0	1100	ug/Kg	100				70 (70)	130 (121)	
2,4-Dinitrophenol	2300	0	2200	ug/Kg	96				20 (10)	160 (155)	
4-Nitrophenol	2300	0	2000	ug/Kg	87				20 (10)	160 (175)	
Dibenzofuran	1100	0	990	ug/Kg	90				70 (52)	130 (114)	
2,4-Dinitrotoluene	1100	0	1000	ug/Kg	91				70 (41)	130 (140)	
Diethylphthalate	1100	0	940	ug/Kg	85				70 (51)	130 (119)	
4-Chlorophenyl-phenylether	1100	0	960	ug/Kg	87				70 (48)	130 (122)	
Fluorene	1100	0	970	ug/Kg	88				70 (53)	130 (118)	
4-Nitroaniline	1100	0	990	ug/Kg	90				70 (29)	130 (140)	
4,6-Dinitro-2-methylphenol	1100	0	1200	ug/Kg	109				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1100	0	1100	ug/Kg	100				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1100	0	1100	ug/Kg	100				70 (65)	130 (121)	
Hexachlorobenzene	1100	0	1100	ug/Kg	100				70 (67)	130 (118)	
Atrazine	1100	0	1100	ug/Kg	100				70 (45)	130 (175)	

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2300	0	2000	ug/Kg	87				20 (13)	160 (153)	
Phenanthrene	1100	0	1000	ug/Kg	91				70 (52)	130 (128)	
Anthracene	1100	0	1000	ug/Kg	91				70 (62)	130 (124)	
Carbazole	1100	0	1000	ug/Kg	91				70 (59)	130 (119)	
Di-n-butylphthalate	1100	0	1100	ug/Kg	100				70 (55)	130 (125)	
Fluoranthene	1100	0	1100	ug/Kg	100				70 (44)	130 (125)	
Pyrene	1100	0	770	ug/Kg	70				70 (37)	130 (122)	
Butylbenzylphthalate	1100	0	1100	ug/Kg	100				70 (44)	130 (135)	
3,3-Dichlorobenzidine	1100	0	790	ug/Kg	72				70 (15)	130 (112)	
Benzo(a)anthracene	1100	0	1000	ug/Kg	91				70 (53)	130 (119)	
Chrysene	1100	0	1000	ug/Kg	91				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1100	0	1200	ug/Kg	109				70 (42)	130 (169)	
Di-n-octyl phthalate	1100	0	1100	ug/Kg	100				70 (51)	130 (156)	
Benzo(b)fluoranthene	1100	0	1100	ug/Kg	100				70 (52)	130 (117)	
Benzo(k)fluoranthene	1100	0	980	ug/Kg	89				70 (57)	130 (134)	
Benzo(a)pyrene	1100	0	1000	ug/Kg	91				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1100	0	970	ug/Kg	88				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1100	0	980	ug/Kg	89				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1100	0	970	ug/Kg	88				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1100	0	1100	ug/Kg	100				70 (52)	130 (134)	
1,4-Dioxane	1100	0	910	ug/Kg	83				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1100	0	970	ug/Kg	88				70 (24)	130 (146)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2194-03MSD	Client Sample ID:	COMP-13MSD					DataFile:	BF142630.D		
Benzaldehyde	1100	0	800	ug/Kg	73		0		20 (10)	160 (171)	30 (20)
Phenol	1100	0	970	ug/Kg	88		0		20 (51)	160 (122)	30 (20)
bis(2-Chloroethyl)ether	1100	0	990	ug/Kg	90		1		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1100	0	1000	ug/Kg	91		0		70 (51)	130 (121)	30 (20)
2-Methylphenol	1100	0	970	ug/Kg	88		2		70 (47)	130 (125)	30 (20)
2,2-oxybis(1-Chloropropane)	1100	0	980	ug/Kg	89		1		70 (46)	130 (119)	30 (20)
Acetophenone	1100	0	970	ug/Kg	88		1		70 (55)	130 (128)	30 (20)
3+4-Methylphenols	1100	0	920	ug/Kg	84		1		20 (49)	160 (125)	30 (20)
N-Nitroso-di-n-propylamine	1100	0	910	ug/Kg	83		1		70 (59)	130 (119)	30 (20)
Hexachloroethane	1100	0	990	ug/Kg	90		0		20 (51)	160 (116)	30 (20)
Nitrobenzene	1100	0	990	ug/Kg	90		1		70 (47)	130 (124)	30 (20)
Isophorone	1100	0	950	ug/Kg	86		1		70 (49)	130 (127)	30 (20)
2-Nitrophenol	1100	0	1100	ug/Kg	100		0		70 (43)	130 (131)	30 (20)
2,4-Dimethylphenol	1100	0	970	ug/Kg	88		1		70 (63)	130 (151)	30 (20)
bis(2-Chloroethoxy)methane	1100	0	980	ug/Kg	89		2		70 (51)	130 (119)	30 (20)
2,4-Dichlorophenol	1100	0	990	ug/Kg	90		1		70 (50)	130 (122)	30 (20)
Naphthalene	1100	0	980	ug/Kg	89		1		70 (51)	130 (121)	30 (20)
4-Chloroaniline	1100	0	540	ug/Kg	49	*	6		70 (10)	130 (100)	30 (20)
Hexachlorobutadiene	1100	0	970	ug/Kg	88		3		70 (44)	130 (126)	30 (20)
Caprolactam	1100	0	1000	ug/Kg	91		1		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1100	0	930	ug/Kg	85		4		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1100	0	950	ug/Kg	86		1		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	2300	0	1900	ug/Kg	83		5		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1100	0	1000	ug/Kg	91		0		70 (33)	130 (141)	30 (20)
2,4,5-Trichlorophenol	1100	0	990	ug/Kg	90		1		70 (38)	130 (135)	30 (20)
1,1-Biphenyl	1100	0	1000	ug/Kg	91		9		70 (55)	130 (131)	30 (20)
2-Chloronaphthalene	1100	0	1000	ug/Kg	91		9		70 (48)	130 (124)	30 (20)
2-Nitroaniline	1100	0	1000	ug/Kg	91		0		70 (47)	130 (134)	30 (20)
Dimethylphthalate	1100	0	980	ug/Kg	89		0		70 (54)	130 (120)	30 (20)
Acenaphthylene	1100	0	990	ug/Kg	90		1		70 (57)	130 (125)	30 (20)
2,6-Dinitrotoluene	1100	0	1000	ug/Kg	91		0		70 (48)	130 (127)	30 (20)
3-Nitroaniline	1100	0	670	ug/Kg	61	*	2		70 (10)	130 (112)	30 (20)
Acenaphthene	1100	0	1100	ug/Kg	100		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	2300	0	2300	ug/Kg	100		4		20 (10)	160 (155)	30 (20)
4-Nitrophenol	2300	0	2100	ug/Kg	91		4		20 (10)	160 (175)	30 (20)
Dibenzofuran	1100	0	970	ug/Kg	88		2		70 (52)	130 (114)	30 (20)
2,4-Dinitrotoluene	1100	0	1000	ug/Kg	91		0		70 (41)	130 (140)	30 (20)
Diethylphthalate	1100	0	960	ug/Kg	87		2		70 (51)	130 (119)	30 (20)
4-Chlorophenyl-phenylether	1100	0	940	ug/Kg	85		2		70 (48)	130 (122)	30 (20)
Fluorene	1100	0	960	ug/Kg	87		1		70 (53)	130 (118)	30 (20)
4-Nitroaniline	1100	0	1000	ug/Kg	91		1		70 (29)	130 (140)	30 (20)
4,6-Dinitro-2-methylphenol	1100	0	1200	ug/Kg	109		0		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1100	0	1000	ug/Kg	91		9		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1100	0	1000	ug/Kg	91		9		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1100	0	1000	ug/Kg	91		9		70 (67)	130 (118)	30 (20)
Atrazine	1100	0	1100	ug/Kg	100		0		70 (45)	130 (175)	30 (20)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2300	0	2000	ug/Kg	87		0		20 (13)	160 (153)	30 (20)
Phenanthrene	1100	0	990	ug/Kg	90		1		70 (52)	130 (128)	30 (20)
Anthracene	1100	0	990	ug/Kg	90		1		70 (62)	130 (124)	30 (20)
Carbazole	1100	0	1000	ug/Kg	91		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1100	0	1100	ug/Kg	100		0		70 (55)	130 (125)	30 (20)
Fluoranthene	1100	0	1000	ug/Kg	91		9		70 (44)	130 (125)	30 (20)
Pyrene	1100	0	840	ug/Kg	76		8		70 (37)	130 (122)	30 (20)
Butylbenzylphthalate	1100	0	1200	ug/Kg	109		9		70 (44)	130 (135)	30 (20)
3,3-Dichlorobenzidine	1100	0	790	ug/Kg	72		0		70 (15)	130 (112)	30 (20)
Benzo(a)anthracene	1100	0	1000	ug/Kg	91		0		70 (53)	130 (119)	30 (20)
Chrysene	1100	0	1000	ug/Kg	91		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1100	0	1300	ug/Kg	118		8		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1100	0	1100	ug/Kg	100		0		70 (51)	130 (156)	30 (20)
Benzo(b)fluoranthene	1100	0	980	ug/Kg	89		12		70 (52)	130 (117)	30 (20)
Benzo(k)fluoranthene	1100	0	1000	ug/Kg	91		2		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1100	0	1000	ug/Kg	91		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1100	0	980	ug/Kg	89		1		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1100	0	980	ug/Kg	89		0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1100	0	970	ug/Kg	88		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1100	0	1000	ug/Kg	91		9		70 (52)	130 (134)	30 (20)
1,4-Dioxane	1100	0	910	ug/Kg	83		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1100	0	990	ug/Kg	90		2		70 (24)	130 (146)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF142727.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual		Low	High	
PB168285BS	Benzaldehyde	50	32.2	ug/L	64					20 (10)	160 (162)	
	Phenol	50	44.1	ug/L	88					20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	44.2	ug/L	88					70 (62)	130 (103)	
	2-Chlorophenol	50	45.9	ug/L	92					70 (70)	130 (117)	
	2-Methylphenol	50	45.4	ug/L	91					70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	43.1	ug/L	86					70 (65)	130 (100)	
	Acetophenone	50	44.3	ug/L	89					70 (60)	130 (104)	
	3+4-Methylphenols	50	45.6	ug/L	91					20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	43.7	ug/L	87					70 (57)	130 (107)	
	Hexachloroethane	50	43.4	ug/L	87					20 (76)	160 (118)	
	Nitrobenzene	50	44.6	ug/L	89					70 (58)	130 (106)	
	Isophorone	50	43.8	ug/L	88					70 (61)	130 (102)	
	2-Nitrophenol	50	46.1	ug/L	92					70 (70)	130 (115)	
	2,4-Dimethylphenol	50	45.3	ug/L	91					70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	44.3	ug/L	89					70 (58)	130 (109)	
	2,4-Dichlorophenol	50	45.4	ug/L	91					70 (66)	130 (115)	
	Naphthalene	50	43.8	ug/L	88					70 (64)	130 (107)	
	4-Chloroaniline	50	14.3	ug/L	29		*			70 (10)	130 (85)	
	Hexachlorobutadiene	50	43.1	ug/L	86					70 (69)	130 (101)	
	Caprolactam	50	50.0	ug/L	100					20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	44.9	ug/L	90					70 (65)	130 (114)	
	2-Methylnaphthalene	50	43.3	ug/L	87					70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	90.6	ug/L	91					20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	46.7	ug/L	93					70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	44.9	ug/L	90					70 (70)	130 (106)	
	1,1-Biphenyl	50	44.3	ug/L	89					70 (72)	130 (98)	
	2-Chloronaphthalene	50	44.3	ug/L	89					70 (59)	130 (106)	
	2-Nitroaniline	50	45.3	ug/L	91					70 (73)	130 (114)	
	Dimethylphthalate	50	45.8	ug/L	92					70 (64)	130 (103)	
	Acenaphthylene	50	44.7	ug/L	89					70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	46.3	ug/L	93					70 (64)	130 (110)	
	3-Nitroaniline	50	26.2	ug/L	52		*			70 (28)	130 (100)	
	Acenaphthene	50	50.3	ug/L	101					70 (59)	130 (113)	
	2,4-Dinitrophenol	100	110	ug/L	110					20 (36)	160 (166)	
	4-Nitrophenol	100	98.9	ug/L	99					20 (45)	160 (147)	
	Dibenzofuran	50	44.4	ug/L	89					70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	48.0	ug/L	96					70 (60)	130 (115)	
	Diethylphthalate	50	46.4	ug/L	93					70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	44.1	ug/L	88					70 (61)	130 (104)	
	Fluorene	50	43.9	ug/L	88					70 (64)	130 (107)	
	4-Nitroaniline	50	47.5	ug/L	95					70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	48.0	ug/L	96					70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	44.4	ug/L	89					70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	43.9	ug/L	88					70 (73)	130 (103)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF142727.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168285BS	Hexachlorobenzene	50	44.1	ug/L	88				70 (73)	130 (106)	
	Atrazine	50	50.6	ug/L	101				70 (76)	130 (120)	
	Pentachlorophenol	100	93.6	ug/L	94				20 (47)	160 (114)	
	Phenanthrene	50	44.5	ug/L	89				70 (62)	130 (109)	
	Anthracene	50	44.2	ug/L	88				70 (65)	130 (110)	
	Carbazole	50	45.7	ug/L	91				70 (62)	130 (106)	
	Di-n-butylphthalate	50	49.3	ug/L	99				70 (64)	130 (106)	
	Fluoranthene	50	45.7	ug/L	91				70 (64)	130 (110)	
	Pyrene	50	46.5	ug/L	93				70 (71)	130 (103)	
	Butylbenzylphthalate	50	50.4	ug/L	101				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	21.6	ug/L	43		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	45.7	ug/L	91				70 (62)	130 (107)	
	Chrysene	50	46.7	ug/L	93				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	46.3	ug/L	93				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	44.5	ug/L	89				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	48.8	ug/L	98				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	44.1	ug/L	88				70 (77)	130 (105)	
	Benzo(a)pyrene	50	46.7	ug/L	93				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	45.0	ug/L	90				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	45.1	ug/L	90				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	44.1	ug/L	88				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	44.7	ug/L	89				70 (72)	130 (101)	
	1,4-Dioxane	50	36.8	ug/L	74				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	46.1	ug/L	92				70 (63)	130 (116)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF142728.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits	
							Qual	Qual	Low	High
PB168285BSD	Benzaldehyde	50	31.8	ug/L	64	1			20 (10)	160 (162)
	Phenol	50	44.2	ug/L	88	0			20 (66)	160 (118)
	bis(2-Chloroethyl)ether	50	44.3	ug/L	89	0			70 (62)	130 (103)
	2-Chlorophenol	50	45.8	ug/L	92	0			70 (70)	130 (117)
	2-Methylphenol	50	46.2	ug/L	92	2			70 (69)	130 (109)
	2,2-oxybis(1-Chloropropane)	50	42.8	ug/L	86	1			70 (65)	130 (100)
	Acetophenone	50	45.1	ug/L	90	2			70 (60)	130 (104)
	3+4-Methylphenols	50	46.1	ug/L	92	1			20 (67)	160 (106)
	N-Nitroso-di-n-propylamine	50	43.6	ug/L	87	0			70 (57)	130 (107)
	Hexachloroethane	50	43.1	ug/L	86	1			20 (76)	160 (118)
	Nitrobenzene	50	45.4	ug/L	91	2			70 (58)	130 (106)
	Isophorone	50	44.8	ug/L	90	2			70 (61)	130 (102)
	2-Nitrophenol	50	46.5	ug/L	93	1			70 (70)	130 (115)
	2,4-Dimethylphenol	50	46.3	ug/L	93	2			70 (42)	130 (142)
	bis(2-Chloroethoxy)methane	50	45.2	ug/L	90	2			70 (58)	130 (109)
	2,4-Dichlorophenol	50	47.1	ug/L	94	4			70 (66)	130 (115)
	Naphthalene	50	44.8	ug/L	90	2			70 (64)	130 (107)
	4-Chloroaniline	50	14.4	ug/L	29	1	*		70 (10)	130 (85)
	Hexachlorobutadiene	50	43.9	ug/L	88	2			70 (69)	130 (101)
	Caprolactam	50	49.9	ug/L	100	0			20 (58)	160 (128)
	4-Chloro-3-methylphenol	50	45.8	ug/L	92	2			70 (65)	130 (114)
	2-Methylnaphthalene	50	44.9	ug/L	90	4			70 (64)	130 (107)
	Hexachlorocyclopentadiene	100	94.2	ug/L	94	4			20 (36)	160 (160)
	2,4,6-Trichlorophenol	50	47.2	ug/L	94	1			70 (61)	130 (110)
	2,4,5-Trichlorophenol	50	45.9	ug/L	92	2			70 (70)	130 (106)
	1,1-Biphenyl	50	45.0	ug/L	90	2			70 (72)	130 (98)
	2-Chloronaphthalene	50	45.3	ug/L	91	2			70 (59)	130 (106)
	2-Nitroaniline	50	45.4	ug/L	91	0			70 (73)	130 (114)
	Dimethylphthalate	50	46.6	ug/L	93	2			70 (64)	130 (103)
	Acenaphthylene	50	45.4	ug/L	91	2			70 (79)	130 (103)
	2,6-Dinitrotoluene	50	46.1	ug/L	92	0			70 (64)	130 (110)
	3-Nitroaniline	50	25.6	ug/L	51	2	*		70 (28)	130 (100)
	Acenaphthene	50	49.9	ug/L	100	1			70 (59)	130 (113)
	2,4-Dinitrophenol	100	110	ug/L	110	0			20 (36)	160 (166)
	4-Nitrophenol	100	96.9	ug/L	97	2			20 (45)	160 (147)
	Dibenzofuran	50	44.7	ug/L	89	1			70 (65)	130 (106)
	2,4-Dinitrotoluene	50	47.6	ug/L	95	1			70 (60)	130 (115)
	Diethylphthalate	50	46.6	ug/L	93	0			70 (63)	130 (105)
	4-Chlorophenyl-phenylether	50	45.1	ug/L	90	2			70 (61)	130 (104)
	Fluorene	50	44.7	ug/L	89	2			70 (64)	130 (107)
	4-Nitroaniline	50	46.6	ug/L	93	2			70 (55)	130 (125)
	4,6-Dinitro-2-methylphenol	50	48.8	ug/L	98	2			70 (62)	130 (132)
	N-Nitrosodiphenylamine	50	45.1	ug/L	90	2			70 (61)	130 (109)
	4-Bromophenyl-phenylether	50	45.2	ug/L	90	3			70 (73)	130 (103)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF142728.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB168285BSD	Hexachlorobenzene	50	44.6	ug/L	89	1			70 (73)	130 (106)	20 (20)
	Atrazine	50	49.8	ug/L	100	2			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	92.4	ug/L	92	1			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	44.9	ug/L	90	1			70 (62)	130 (109)	20 (20)
	Anthracene	50	44.9	ug/L	90	2			70 (65)	130 (110)	20 (20)
	Carbazole	50	46.0	ug/L	92	1			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	47.9	ug/L	96	3			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	44.9	ug/L	90	2			70 (64)	130 (110)	20 (20)
	Pyrene	50	45.6	ug/L	91	2			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	50.3	ug/L	101	0			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	22.2	ug/L	44	3	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	47.6	ug/L	95	4			70 (62)	130 (107)	20 (20)
	Chrysene	50	44.8	ug/L	90	4			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	48.5	ug/L	97	5			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	47.1	ug/L	94	6			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	46.5	ug/L	93	5			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	47.3	ug/L	95	7			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	47.5	ug/L	95	2			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	46.3	ug/L	93	3			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	46.6	ug/L	93	3			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	45.6	ug/L	91	3			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	44.7	ug/L	89	0			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	36.5	ug/L	73	1			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	46.0	ug/L	92	0			70 (63)	130 (116)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF142750.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168259BS	Benzaldehyde	1700	1100	ug/Kg	65				20 (10)	160 (133)	
	Phenol	1700	1600	ug/Kg	94				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				70 (60)	130 (101)	
	2-Chlorophenol	1700	1600	ug/Kg	94				70 (65)	130 (112)	
	2-Methylphenol	1700	1600	ug/Kg	94				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				70 (51)	130 (100)	
	Acetophenone	1700	1600	ug/Kg	94				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1600	ug/Kg	94				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				70 (63)	130 (95)	
	Hexachloroethane	1700	1500	ug/Kg	88				20 (72)	160 (108)	
	Nitrobenzene	1700	1600	ug/Kg	94				70 (57)	130 (101)	
	Isophorone	1700	1500	ug/Kg	88				70 (59)	130 (99)	
	2-Nitrophenol	1700	1600	ug/Kg	94				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				70 (62)	130 (107)	
	Naphthalene	1700	1600	ug/Kg	94				70 (62)	130 (100)	
	4-Chloroaniline	1700	700	ug/Kg	41		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				70 (53)	130 (98)	
	Caprolactam	1700	1500	ug/Kg	88				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	3400	ug/Kg	103				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1700	ug/Kg	100				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1600	ug/Kg	94				70 (61)	130 (99)	
	Acenaphthylene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				70 (61)	130 (104)	
	3-Nitroaniline	1700	910	ug/Kg	54		*		70 (28)	130 (100)	
	Acenaphthene	1700	1700	ug/Kg	100				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				20 (37)	160 (128)	
	4-Nitrophenol	3300	3000	ug/Kg	91				20 (48)	160 (119)	
	Dibenzofuran	1700	1600	ug/Kg	94				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				70 (60)	130 (106)	
	Diethylphthalate	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				70 (58)	130 (98)	
	Fluorene	1700	1500	ug/Kg	88				70 (61)	130 (101)	
	4-Nitroaniline	1700	1500	ug/Kg	88				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1700	ug/Kg	100				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1700	ug/Kg	100				70 (66)	130 (102)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BF142750.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168259BS	Hexachlorobenzene	1700	1700	ug/Kg	100				70 (64)	130 (98)	
	Atrazine	1700	1700	ug/Kg	100				70 (47)	130 (152)	
	Pentachlorophenol	3300	3300	ug/Kg	100				20 (67)	160 (105)	
	Phenanthrene	1700	1700	ug/Kg	100				70 (59)	130 (103)	
	Anthracene	1700	1600	ug/Kg	94				70 (61)	130 (105)	
	Carbazole	1700	1700	ug/Kg	100				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				70 (58)	130 (104)	
	Fluoranthene	1700	1600	ug/Kg	94				70 (57)	130 (107)	
	Pyrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1800	ug/Kg	106				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	950	ug/Kg	56		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				70 (60)	130 (102)	
	Chrysene	1700	1700	ug/Kg	100				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1700	ug/Kg	100				70 (53)	130 (101)	
	1,4-Dioxane	1700	1300	ug/Kg	76				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (108)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168259BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q2177

SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142641.D

Lab Sample ID: PB168259BL

Instrument ID: BNA_F

Date Extracted: 06/04/2025

Matrix: (soil/water) SOIL

Date Analyzed: 06/06/2025

Level: (low/med) LOW

Time Analyzed: 12:06

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B-187-SB02	Q2177-04	BF142652.D	06/06/2025
COMP-13MS	Q2194-03MS	BF142629.D	06/05/2025
COMP-13MSD	Q2194-03MSD	BF142630.D	06/05/2025
PB168259BS	PB168259BS	BF142750.D	06/12/2025
B-187-SB01	Q2177-02	BP024895.D	06/10/2025
B-202-SB01	Q2177-06	BP024899.D	06/10/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168285BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q2177

SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142626.D

Lab Sample ID: PB168285BL

Instrument ID: BNA_F

Date Extracted: 06/04/2025

Matrix: (soil/water) Water

Date Analyzed: 06/05/2025

Level: (low/med) LOW

Time Analyzed: 11:04

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EB05312025	Q2177-08	BF142658.D	06/06/2025
PB168285BS	PB168285BS	BF142727.D	06/11/2025
PB168285BSD	PB168285BSD	BF142728.D	06/11/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142465.D

DFTPP Injection Date: 05/20/2025

Instrument ID: BNA_F

DFTPP Injection Time: 11:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.8
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	33.1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	44.9
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
275	10.0 - 60.0% of mass 198	29.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	19.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 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	BF142467.D	05/20/2025	12:10
SSTDICC005	SSTDICC005	BF142468.D	05/20/2025	12:38
SSTDICC010	SSTDICC010	BF142469.D	05/20/2025	13:07
SSTDICC020	SSTDICC020	BF142470.D	05/20/2025	13:36
SSTDICCC040	SSTDICCC040	BF142471.D	05/20/2025	14:05
SSTDICC050	SSTDICC050	BF142472.D	05/20/2025	14:34
SSTDICC060	SSTDICC060	BF142473.D	05/20/2025	15:03
SSTDICC080	SSTDICC080	BF142474.D	05/20/2025	15:31

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142624.D

DFTPP Injection Date: 06/05/2025

Instrument ID: BNA_F

DFTPP Injection Time: 09:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.0
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	33.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	45.4
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
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	17.5
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	BF142625.D	06/05/2025	09:37
PB168285BL	PB168285BL	BF142626.D	06/05/2025	11:04
COMP-13MS	Q2194-03MS	BF142629.D	06/05/2025	12:38
COMP-13MSD	Q2194-03MSD	BF142630.D	06/05/2025	13:07

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142639.D

DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_F

DFTPP Injection Time: 11:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.0
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	32.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	45.2
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
275	10.0 - 60.0% of mass 198	28.0
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	17.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 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	BF142640.D	06/06/2025	11:36
PB168259BL	PB168259BL	BF142641.D	06/06/2025	12:06
B-187-SB02	Q2177-04	BF142652.D	06/06/2025	18:01
EB05312025	Q2177-08	BF142658.D	06/06/2025	21:02

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142710.D

DFTPP Injection Date: 06/10/2025

Instrument ID: BNA_F

DFTPP Injection Time: 15:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.0
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	33.2
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	10.0 - 80.0% of mass 198	45.7
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
275	10.0 - 60.0% of mass 198	28.7
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	18.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 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	BF142712.D	06/10/2025	16:54
SSTDICC005	SSTDICC005	BF142713.D	06/10/2025	17:24
SSTDICC010	SSTDICC010	BF142714.D	06/10/2025	17:53
SSTDICC020	SSTDICC020	BF142715.D	06/10/2025	18:22
SSTDICCC040	SSTDICCC040	BF142716.D	06/10/2025	18:52
SSTDICC050	SSTDICC050	BF142717.D	06/10/2025	19:21
SSTDICC060	SSTDICC060	BF142718.D	06/10/2025	19:50
SSTDICC080	SSTDICC080	BF142719.D	06/10/2025	20:19

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142722.D

DFTPP Injection Date: 06/11/2025

Instrument ID: BNA_F

DFTPP Injection Time: 08:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.2
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	34.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	47.9
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
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	17.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.6 (18.6) 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	BF142723.D	06/11/2025	09:24
PB168285BS	PB168285BS	BF142727.D	06/11/2025	11:21
PB168285BSD	PB168285BSD	BF142728.D	06/11/2025	11:50

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BF142747.D

DFTPP Injection Date: 06/12/2025

Instrument ID: BNA_F

DFTPP Injection Time: 09:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.5
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	34.0
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	10.0 - 80.0% of mass 198	48.0
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
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	17.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142748.D	06/12/2025	09:50
PB168259BS	PB168259BS	BF142750.D	06/12/2025	11:25

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BP024859.D

DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_P

DFTPP Injection Time: 09:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.9
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
275	10.0 - 60.0% of mass 198	31.2
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.1 (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	BP024860.D	06/06/2025	10:30
SSTDICC005	SSTDICC005	BP024861.D	06/06/2025	11:11
SSTDICC010	SSTDICC010	BP024862.D	06/06/2025	11:52
SSTDICC020	SSTDICC020	BP024863.D	06/06/2025	12:33
SSTDICCC040	SSTDICCC040	BP024864.D	06/06/2025	13:14
SSTDICC050	SSTDICC050	BP024865.D	06/06/2025	13:56
SSTDICC060	SSTDICC060	BP024866.D	06/06/2025	14:37
SSTDICC080	SSTDICC080	BP024867.D	06/06/2025	15:18

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q2177

SDG NO.: Q2177

Lab File ID: BP024887.D

DFTPP Injection Date: 06/10/2025

Instrument ID: BNA_P

DFTPP Injection Time: 10:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.5
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.2
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
275	10.0 - 60.0% of mass 198	30.9
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	12
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.3 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024888.D	06/10/2025	10:53
B-187-SB01	Q2177-02	BP024895.D	06/10/2025	15:46
B-202-SB01	Q2177-06	BP024899.D	06/10/2025	18:30

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: BP024904.D

DFTPP Injection Date: 06/11/2025

Instrument ID: BNA_P

DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	34.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.8
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	6.7
275	10.0 - 60.0% of mass 198	30.8
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.1 (19.1) 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	BP024905.D	06/11/2025	10:09
B-187-SB01DL	Q2177-02DL	BP024917.D	06/11/2025	18:27

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/05/2025

Lab File ID: BF142625.D Time Analyzed: 09:37

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	122240	6.898	479356	8.18	254347	9.94
UPPER LIMIT	244480	7.398	958712	8.681	508694	10.439
LOWER LIMIT	61120	6.398	239678	7.681	127174	9.439
EPA SAMPLE NO.						
01 PB168285BL	122182	6.89	466755	8.18	253840	9.93
02 COMP-13MS	122190	6.90	451779	8.18	216895	9.94
03 COMP-13MSD	123357	6.90	463790	8.18	232069	9.94

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/05/2025

Lab File ID: BF142625.D Time Analyzed: 09:37

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	415186	11.427	211462	14.068	258069	15.562
UPPER LIMIT	830372	11.927	422924	14.568	516138	16.062
LOWER LIMIT	207593	10.927	105731	13.568	129035	15.062
EPA SAMPLE NO.						
01 PB168285BL	433273	11.42	225137	14.07	234045	15.56
02 COMP-13MS	322012	11.43	234738	14.07	279656	15.56
03 COMP-13MSD	359383	11.43	228816	14.07	274428	15.56

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/06/2025

Lab File ID: BF142640.D Time Analyzed: 11:36

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	126582	6.893	487381	8.18	254808	9.94
UPPER LIMIT	253164	7.393	974762	8.681	509616	10.439
LOWER LIMIT	63291	6.393	243691	7.681	127404	9.439
EPA SAMPLE NO.						
01 PB168259BL	125991	6.89	479451	8.18	262840	9.93
02 B-187-SB02	127118	6.89	464348	8.18	242206	9.93
03 EB05312025	110379	6.89	418699	8.18	221656	9.93

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/06/2025

Lab File ID: BF142640.D Time Analyzed: 11:36

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	375492	11.428	207998	14.069	270482	15.563
UPPER LIMIT	750984	11.928	415996	14.569	540964	16.063
LOWER LIMIT	187746	10.928	103999	13.569	135241	15.063
EPA SAMPLE NO.						
01 PB168259BL	462327	11.42	248067	14.07	250839	15.56
02 B-187-SB02	341702	11.42	233121	14.06	281873	15.56
03 EB05312025	326437	11.42	208673	14.06	249927	15.56

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BF142723.D Time Analyzed: 09:24

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	78219	6.892	306828	8.18	172169	9.94
UPPER LIMIT	156438	7.392	613656	8.681	344338	10.439
LOWER LIMIT	39109.5	6.392	153414	7.681	86084.5	9.439
EPA SAMPLE NO.						
01 PB168285BS	75631	6.89	294551	8.18	162704	9.93
02 PB168285BSD	79958	6.89	304653	8.18	167586	9.94

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BF142723.D Time Analyzed: 09:24

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	291189	11.427	151467	14.068	144700	15.562
UPPER LIMIT	582378	11.927	302934	14.568	289400	16.062
LOWER LIMIT	145595	10.927	75733.5	13.568	72350	15.062
EPA SAMPLE NO.						
01 PB168285BS	278222	11.43	147780	14.07	156697	15.56
02 PB168285BSD	281985	11.43	148975	14.07	159540	15.56

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/12/2025

Lab File ID: BF142748.D Time Analyzed: 09:50

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	70133	6.892	258971	8.18	130776	9.93
UPPER LIMIT	140266	7.392	517942	8.675	261552	10.433
LOWER LIMIT	35066.5	6.392	129486	7.675	65388	9.433
EPA SAMPLE NO.						
01 PB168259BS	68728	6.89	259756	8.18	133412	9.93

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/12/2025

Lab File ID: BF142748.D Time Analyzed: 09:50

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	201441	11.422	120471	14.068	146263	15.562
UPPER LIMIT	402882	11.922	240942	14.568	292526	16.062
LOWER LIMIT	100721	10.922	60235.5	13.568	73131.5	15.062
EPA SAMPLE NO.						
01 PB168259BS	196055	11.42	125134	14.07	151859	15.56

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BP024888.D Time Analyzed: 10:53

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	264162	7.602	1106060	10.37	714331	14.24
UPPER LIMIT	528324	8.102	2212120	10.872	1428660	14.742
LOWER LIMIT	132081	7.102	553030	9.872	357166	13.742
EPA SAMPLE NO.						
01 B-187-SB01	259952	7.61	1064330	10.38	672188	14.26
02 B-202-SB01	258806	7.61	1052780	10.38	660296	14.25

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BP024888.D Time Analyzed: 10:53

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	1406880	17.048	1508870	21.466	1759120	24.707
UPPER LIMIT	2813760	17.548	3017740	21.966	3518240	25.207
LOWER LIMIT	703440	16.548	754435	20.966	879560	24.207
EPA SAMPLE NO.						
01 B-187-SB01	1296140	17.07	1315800	21.51	1598310	24.76
02 B-202-SB01	1279800	17.05	1406580	21.49	1730550	24.77

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BP024905.D Time Analyzed: 10:09

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	246136	7.607	989564	10.38	627529	14.25
UPPER LIMIT	492272	8.107	1979130	10.878	1255060	14.754
LOWER LIMIT	123068	7.107	494782	9.878	313765	13.754
EPA SAMPLE NO.						
01 B-187-SB01DL	219933	7.61	879842	10.38	533152	14.25

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BP024905.D Time Analyzed: 10:09

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	1260450	17.06	1315010	21.501	1616000	24.765
UPPER LIMIT	2520900	17.56	2630020	22.001	3232000	25.265
LOWER LIMIT	630225	16.56	657505	21.001	808000	24.265
EPA SAMPLE NO.						
01 B-187-SB01DL	1070450	17.06	1300160	21.49	1571240	24.75

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:	PB168259BL	SDG No.:	Q2177
Lab Sample ID:	PB168259BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142641.D	1	06/04/25 12:45	06/06/25 12:06	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168259BL	SDG No.:	Q2177
Lab Sample ID:	PB168259BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142641.D	1	06/04/25 12:45	06/06/25 12:06	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U	86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168259BL	SDG No.:	Q2177
Lab Sample ID:	PB168259BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142641.D	1	06/04/25 12:45	06/06/25 12:06	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	124		30 (18) - 130 (112)	83%	SPK: 150
13127-88-3	Phenol-d6	126		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.1		30 (18) - 130 (107)	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.4		30 (20) - 130 (109)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		30 (10) - 130 (116)	84%	SPK: 150
1718-51-0	Terphenyl-d14	78.9		30 (10) - 130 (105)	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	126000	6.892			
1146-65-2	Naphthalene-d8	479000	8.175			
15067-26-2	Acenaphthene-d10	263000	9.933			
1517-22-2	Phenanthrene-d10	462000	11.422			
1719-03-5	Chrysene-d12	248000	14.068			
1520-96-3	Perylene-d12	251000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	340	A		5.13	ug/Kg
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	95.3	J		17.3	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168259BL	SDG No.:	Q2177
Lab Sample ID:	PB168259BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142641.D	1	06/04/25 12:45	06/06/25 12:06	PB168259

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168285BL	SDG No.:	Q2177
Lab Sample ID:	PB168285BL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142626.D	1	06/04/25 11:45	06/05/25 11:04	PB168285

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:	PB168285BL	SDG No.:	Q2177
Lab Sample ID:	PB168285BL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142626.D	1	06/04/25 11:45	06/05/25 11:04	PB168285

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:	PB168285BL	SDG No.:	Q2177
Lab Sample ID:	PB168285BL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142626.D	1	06/04/25 11:45	06/05/25 11:04	PB168285

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	124		15 (10) - 110 (134)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.6		30 (67) - 130 (132)	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.2		30 (52) - 130 (132)	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		15 (44) - 110 (137)	82%	SPK: 150
1718-51-0	Terphenyl-d14	78.1		30 (42) - 130 (152)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.892			
1146-65-2	Naphthalene-d8	467000	8.181			
15067-26-2	Acenaphthene-d10	254000	9.933			
1517-22-2	Phenanthrene-d10	433000	11.421			
1719-03-5	Chrysene-d12	225000	14.068			
1520-96-3	Perylene-d12	234000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.90	A		5.13	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168285BL	SDG No.:	Q2177
Lab Sample ID:	PB168285BL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142626.D	1	06/04/25 11:45	06/05/25 11:04	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	PB168259BS	SDG No.:	Q2177
Lab Sample ID:	PB168259BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142750.D	1	06/04/25 12:45	06/12/25 11:25	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		160	330	ug/Kg
108-95-2	Phenol	1600		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1600		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1600		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		37.5	170	ug/Kg
98-86-2	Acetophenone	1600		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1600		18.3	170	ug/Kg
78-59-1	Isophorone	1500		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1600		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		28.3	170	ug/Kg
91-20-3	Naphthalene	1600		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	700		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		25.3	170	ug/Kg
105-60-2	Caprolactam	1500		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1700		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1600		27.1	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168259BS	SDG No.:	Q2177
Lab Sample ID:	PB168259BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142750.D	1	06/04/25 12:45	06/12/25 11:25	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	910		46.0	170	ug/Kg
83-32-9	Acenaphthene	1700		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3000	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1600		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1500		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		25.3	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3300	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1700		20.9	170	ug/Kg
120-12-7	Anthracene	1600		33.3	170	ug/Kg
86-74-8	Carbazole	1700		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	170	ug/Kg
206-44-0	Fluoranthene	1600		30.0	170	ug/Kg
129-00-0	Pyrene	1400		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	950		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		23.0	170	ug/Kg
218-01-9	Chrysene	1700		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		19.0	170	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168259BS	SDG No.:	Q2177
Lab Sample ID:	PB168259BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142750.D	1	06/04/25 12:45	06/12/25 11:25	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1300		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	135		30 (18) - 130 (112)	90%	SPK: 150
13127-88-3	Phenol-d6	134		30 (15) - 130 (107)	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.0		30 (18) - 130 (107)	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.4		30 (20) - 130 (109)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		30 (10) - 130 (116)	84%	SPK: 150
1718-51-0	Terphenyl-d14	72.5		30 (10) - 130 (105)	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	68700	6.893			
1146-65-2	Naphthalene-d8	260000	8.175			
15067-26-2	Acenaphthene-d10	133000	9.934			
1517-22-2	Phenanthrene-d10	196000	11.422			
1719-03-5	Chrysene-d12	125000	14.069			
1520-96-3	Perylene-d12	152000	15.563			

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:	PB168285BS	SDG No.:	Q2177
Lab Sample ID:	PB168285BS	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142727.D	1	06/04/25 11:45	06/11/25 11:21	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	32.2		3.90	10.0	ug/L
108-95-2	Phenol	44.1		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.2		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	45.9		0.58	5.00	ug/L
95-48-7	2-Methylphenol	45.4		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.1		1.30	5.00	ug/L
98-86-2	Acetophenone	44.3		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	45.6		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.7		1.40	2.50	ug/L
67-72-1	Hexachloroethane	43.4		0.65	5.00	ug/L
98-95-3	Nitrobenzene	44.6		0.76	5.00	ug/L
78-59-1	Isophorone	43.8		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	46.1		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	45.3		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.3		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	45.4		0.52	5.00	ug/L
91-20-3	Naphthalene	43.8		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	14.3		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.1		0.54	5.00	ug/L
105-60-2	Caprolactam	50.0		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	44.9		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	43.3		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	90.6	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	46.7		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	44.9		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	44.3		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	44.3		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	45.3		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	45.8		0.61	5.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168285BS	SDG No.:	Q2177
Lab Sample ID:	PB168285BS	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142727.D	1	06/04/25 11:45	06/11/25 11:21	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	44.7		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.3		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	26.2		1.10	5.00	ug/L
83-32-9	Acenaphthene	50.3		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	98.9	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	44.4		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	48.0		1.20	5.00	ug/L
84-66-2	Diethylphthalate	46.4		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.1		0.68	5.00	ug/L
86-73-7	Fluorene	43.9		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	47.5		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.0		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	44.4		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	43.9		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	44.1		0.52	5.00	ug/L
1912-24-9	Atrazine	50.6		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	93.6	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	44.5		0.50	5.00	ug/L
120-12-7	Anthracene	44.2		0.61	5.00	ug/L
86-74-8	Carbazole	45.7		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	49.3		1.20	5.00	ug/L
206-44-0	Fluoranthene	45.7		0.82	5.00	ug/L
129-00-0	Pyrene	46.5		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	50.4		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	21.6		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	45.7		0.45	5.00	ug/L
218-01-9	Chrysene	46.7		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.3		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	44.5		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	48.8		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:	PB168285BS	SDG No.:	Q2177
Lab Sample ID:	PB168285BS	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142727.D	1	06/04/25 11:45	06/11/25 11:21	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	44.1		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.7		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.0		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.1		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.1		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.7		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	36.8		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.1		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	126		15 (23) - 110 (138)	84%	SPK: 150
13127-88-3	Phenol-d6	127		15 (10) - 110 (134)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.8		30 (67) - 130 (132)	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.2		30 (52) - 130 (132)	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		15 (44) - 110 (137)	86%	SPK: 150
1718-51-0	Terphenyl-d14	81.8		30 (42) - 130 (152)	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	75600	6.892			
1146-65-2	Naphthalene-d8	295000	8.175			
15067-26-2	Acenaphthene-d10	163000	9.933			
1517-22-2	Phenanthrene-d10	278000	11.427			
1719-03-5	Chrysene-d12	148000	14.068			
1520-96-3	Perylene-d12	157000	15.562			

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:	PB168285BSD	SDG No.:	Q2177
Lab Sample ID:	PB168285BSD	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142728.D	1	06/04/25 11:45	06/11/25 11:50	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	31.8		3.90	10.0	ug/L
108-95-2	Phenol	44.2		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.3		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	45.8		0.58	5.00	ug/L
95-48-7	2-Methylphenol	46.2		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.8		1.30	5.00	ug/L
98-86-2	Acetophenone	45.1		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	46.1		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.6		1.40	2.50	ug/L
67-72-1	Hexachloroethane	43.1		0.65	5.00	ug/L
98-95-3	Nitrobenzene	45.4		0.76	5.00	ug/L
78-59-1	Isophorone	44.8		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	46.5		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	46.3		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.2		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	47.1		0.52	5.00	ug/L
91-20-3	Naphthalene	44.8		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	14.4		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.9		0.54	5.00	ug/L
105-60-2	Caprolactam	49.9		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	45.8		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	44.9		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	94.2	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	47.2		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.9		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	45.0		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.3		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	45.4		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	46.6		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:	PB168285BSD	SDG No.:	Q2177
Lab Sample ID:	PB168285BSD	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142728.D	1	06/04/25 11:45	06/11/25 11:50	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	45.4		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.1		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	25.6		1.10	5.00	ug/L
83-32-9	Acenaphthene	49.9		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	96.9	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	44.7		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	47.6		1.20	5.00	ug/L
84-66-2	Diethylphthalate	46.6		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	45.1		0.68	5.00	ug/L
86-73-7	Fluorene	44.7		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	46.6		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.8		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	45.1		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	45.2		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	44.6		0.52	5.00	ug/L
1912-24-9	Atrazine	49.8		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	92.4	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	44.9		0.50	5.00	ug/L
120-12-7	Anthracene	44.9		0.61	5.00	ug/L
86-74-8	Carbazole	46.0		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	47.9		1.20	5.00	ug/L
206-44-0	Fluoranthene	44.9		0.82	5.00	ug/L
129-00-0	Pyrene	45.6		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	50.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	22.2		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.6		0.45	5.00	ug/L
218-01-9	Chrysene	44.8		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.5		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	47.1		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.5		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:	PB168285BSD	SDG No.:	Q2177
Lab Sample ID:	PB168285BSD	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142728.D	1	06/04/25 11:45	06/11/25 11:50	PB168285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	47.3		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	47.5		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.3		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.6		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	45.6		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.7		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	36.5		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.0		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	127		15 (10) - 110 (134)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.4		30 (67) - 130 (132)	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.6		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		15 (44) - 110 (137)	86%	SPK: 150
1718-51-0	Terphenyl-d14	79.2		30 (42) - 130 (152)	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	80000	6.893			
1146-65-2	Naphthalene-d8	305000	8.181			
15067-26-2	Acenaphthene-d10	168000	9.939			
1517-22-2	Phenanthrene-d10	282000	11.428			
1719-03-5	Chrysene-d12	149000	14.069			
1520-96-3	Perylene-d12	160000	15.563			

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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	COMP-13MS	SDG No.:	Q2177
Lab Sample ID:	Q2194-03MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142629.D	1	06/04/25 12:45	06/05/25 12:38	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	800		110	220	ug/Kg
108-95-2	Phenol	970		15.0	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		16.5	120	ug/Kg
95-57-8	2-Chlorophenol	1000		16.6	120	ug/Kg
95-48-7	2-Methylphenol	950		20.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	970		25.5	120	ug/Kg
98-86-2	Acetophenone	980		20.0	120	ug/Kg
65794-96-9	3+4-Methylphenols	910		27.9	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	900		32.2	54.3	ug/Kg
67-72-1	Hexachloroethane	990		11.9	120	ug/Kg
98-95-3	Nitrobenzene	1000		12.4	120	ug/Kg
78-59-1	Isophorone	960		22.3	120	ug/Kg
88-75-5	2-Nitrophenol	1100		39.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	980		44.0	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		20.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	980		19.2	120	ug/Kg
91-20-3	Naphthalene	990		15.4	120	ug/Kg
106-47-8	4-Chloroaniline	570		24.0	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		17.2	120	ug/Kg
105-60-2	Caprolactam	990		35.4	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	900		19.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	960		17.4	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2000	E	78.7	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		13.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		19.7	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		14.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		15.3	120	ug/Kg
88-74-4	2-Nitroaniline	1000		32.6	120	ug/Kg
131-11-3	Dimethylphthalate	980		18.4	120	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	COMP-13MS	SDG No.:	Q2177
Lab Sample ID:	Q2194-03MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142629.D	1	06/04/25 12:45	06/05/25 12:38	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1000		19.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		22.8	120	ug/Kg
99-09-2	3-Nitroaniline	680		31.2	120	ug/Kg
83-32-9	Acenaphthene	1100		14.5	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2200	E	160	220	ug/Kg
100-02-7	4-Nitrophenol	2000	E	72.6	220	ug/Kg
132-64-9	Dibenzofuran	990		15.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		34.0	120	ug/Kg
84-66-2	Diethylphthalate	940		19.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	960		18.1	120	ug/Kg
86-73-7	Fluorene	970		17.2	120	ug/Kg
100-01-6	4-Nitroaniline	990		43.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		69.9	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		22.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		18.9	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		17.2	120	ug/Kg
1912-24-9	Atrazine	1100		23.1	120	ug/Kg
87-86-5	Pentachlorophenol	2000	E	34.8	220	ug/Kg
85-01-8	Phenanthrene	1000		14.2	120	ug/Kg
120-12-7	Anthracene	1000		22.6	120	ug/Kg
86-74-8	Carbazole	1000		21.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		32.5	120	ug/Kg
206-44-0	Fluoranthene	1100		20.4	120	ug/Kg
129-00-0	Pyrene	770		24.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	1100		48.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	790		24.9	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		15.6	120	ug/Kg
218-01-9	Chrysene	1000		13.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		40.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		58.9	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		12.9	120	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	COMP-13MS	SDG No.:	Q2177
Lab Sample ID:	Q2194-03MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142629.D	1	06/04/25 12:45	06/05/25 12:38	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	980		15.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		20.0	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	970		19.7	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	980		18.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	970		17.4	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		17.4	120	ug/Kg
123-91-1	1,4-Dioxane	910		30.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	970		18.6	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.7		30 (18) - 130 (112)	55%	SPK: 150
13127-88-3	Phenol-d6	81.8		30 (15) - 130 (107)	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.9		30 (18) - 130 (107)	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.7		30 (20) - 130 (109)	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	78.7		30 (10) - 130 (116)	52%	SPK: 150
1718-51-0	Terphenyl-d14	36.8		30 (10) - 130 (105)	37%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.898			
1146-65-2	Naphthalene-d8	452000	8.181			
15067-26-2	Acenaphthene-d10	217000	9.939			
1517-22-2	Phenanthrene-d10	322000	11.428			
1719-03-5	Chrysene-d12	235000	14.069			
1520-96-3	Perylene-d12	280000	15.563			

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:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	COMP-13MSD	SDG No.:	Q2177
Lab Sample ID:	Q2194-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142630.D	1	06/04/25 12:45	06/05/25 13:07	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	800		110	220	ug/Kg
108-95-2	Phenol	970		15.0	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	990		16.5	120	ug/Kg
95-57-8	2-Chlorophenol	1000		16.6	120	ug/Kg
95-48-7	2-Methylphenol	970		20.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	980		25.4	120	ug/Kg
98-86-2	Acetophenone	970		20.0	120	ug/Kg
65794-96-9	3+4-Methylphenols	920		27.9	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	910		32.2	54.3	ug/Kg
67-72-1	Hexachloroethane	990		11.9	120	ug/Kg
98-95-3	Nitrobenzene	990		12.4	120	ug/Kg
78-59-1	Isophorone	950		22.3	120	ug/Kg
88-75-5	2-Nitrophenol	1100		39.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	970		44.0	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	980		20.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	990		19.2	120	ug/Kg
91-20-3	Naphthalene	980		15.4	120	ug/Kg
106-47-8	4-Chloroaniline	540		24.0	120	ug/Kg
87-68-3	Hexachlorobutadiene	970		17.2	120	ug/Kg
105-60-2	Caprolactam	1000		35.3	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	930		19.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	950		17.4	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900	E	78.7	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		13.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		19.7	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		14.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	1000		15.3	120	ug/Kg
88-74-4	2-Nitroaniline	1000		32.6	120	ug/Kg
131-11-3	Dimethylphthalate	980		18.4	120	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	COMP-13MSD	SDG No.:	Q2177
Lab Sample ID:	Q2194-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142630.D	1	06/04/25 12:45	06/05/25 13:07	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	990		19.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		22.8	120	ug/Kg
99-09-2	3-Nitroaniline	670		31.2	120	ug/Kg
83-32-9	Acenaphthene	1100		14.5	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2300	E	160	220	ug/Kg
100-02-7	4-Nitrophenol	2100	E	72.6	220	ug/Kg
132-64-9	Dibenzofuran	970		15.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		34.0	120	ug/Kg
84-66-2	Diethylphthalate	960		19.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	940		18.1	120	ug/Kg
86-73-7	Fluorene	960		17.2	120	ug/Kg
100-01-6	4-Nitroaniline	1000		43.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		69.9	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		22.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		18.9	120	ug/Kg
118-74-1	Hexachlorobenzene	1000		17.2	120	ug/Kg
1912-24-9	Atrazine	1100		23.1	120	ug/Kg
87-86-5	Pentachlorophenol	2000	E	34.8	220	ug/Kg
85-01-8	Phenanthrene	990		14.2	120	ug/Kg
120-12-7	Anthracene	990		22.6	120	ug/Kg
86-74-8	Carbazole	1000		21.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		32.5	120	ug/Kg
206-44-0	Fluoranthene	1000		20.4	120	ug/Kg
129-00-0	Pyrene	840		24.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		48.4	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	790		24.9	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		15.6	120	ug/Kg
218-01-9	Chrysene	1000		13.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		40.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		58.9	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	980		12.9	120	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	COMP-13MSD	SDG No.:	Q2177
Lab Sample ID:	Q2194-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142630.D	1	06/04/25 12:45	06/05/25 13:07	PB168259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1000		15.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		20.0	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	980		19.7	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	980		18.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	970		17.4	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		17.4	120	ug/Kg
123-91-1	1,4-Dioxane	910		30.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	990		18.6	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.9		30 (18) - 130 (112)	55%	SPK: 150
13127-88-3	Phenol-d6	82.3		30 (15) - 130 (107)	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.1		30 (18) - 130 (107)	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.1		30 (20) - 130 (109)	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.4		30 (10) - 130 (116)	52%	SPK: 150
1718-51-0	Terphenyl-d14	39.9		30 (10) - 130 (105)	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	123000	6.898			
1146-65-2	Naphthalene-d8	464000	8.181			
15067-26-2	Acenaphthene-d10	232000	9.939			
1517-22-2	Phenanthrene-d10	359000	11.427			
1719-03-5	Chrysene-d12	229000	14.068			
1520-96-3	Perylene-d12	274000	15.557			

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_F\Methods\
 Method File : 8270-BF052025.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue May 20 16:26:47 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF142467.D 5 =BF142468.D 10 =BF142469.D 20 =BF142470.D 40 =BF142471.D 50 =BF142472.D 60 =BF142473.D 80 =BF142474.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.493	0.460	0.474	0.458	0.500	0.486	0.456	0.475	3.79	
3)	Pyridine	1.237	1.150	1.212	1.170	1.273	1.234	1.190	1.210	3.52	
4)	n-Nitrosodimet...	0.612	0.593	0.627	0.619	0.673	0.652	0.621	0.628	4.21	
5) S	2-Fluorophenol	1.264	1.214	1.225	1.125	1.220	1.164	1.098	1.187	5.03	
6)	Aniline	2.044	1.889	1.963	1.844	1.993	1.910	1.808	1.921	4.35	
7) S	Phenol-d6	1.530	1.449	1.459	1.367	1.467	1.403	1.328	1.429	4.77	
8)	2-Chlorophenol	1.345	1.293	1.315	1.252	1.338	1.285	1.223	1.293	3.44	
9)	Benzaldehyde	1.035	0.975	0.969	0.817	0.872	0.758	0.591	0.859	17.81	
10) C	Phenol	1.716	1.621	1.646	1.530	1.657	1.597	1.487	1.608	4.85	
11)	bis(2-Chloroet...	1.202	1.155	1.168	1.108	1.209	1.156	1.105	1.157	3.52	
12)	1,3-Dichlorobe...	1.562	1.470	1.473	1.389	1.482	1.407	1.317	1.443	5.48	
13) C	1,4-Dichlorobe...	1.540	1.476	1.491	1.407	1.495	1.430	1.335	1.453	4.70	
14)	1,2-Dichlorobe...	1.495	1.405	1.436	1.327	1.432	1.357	1.284	1.391	5.20	
15)	Benzyl Alcohol	1.059	1.024	1.058	1.021	1.131	1.073	1.026	1.056	3.69	
16)	2,2'-oxybis(1-...	2.082	1.978	1.983	1.868	2.011	1.898	1.786	1.944	5.11	
17)	2-Methylphenol	1.040	0.992	1.026	0.976	1.053	1.015	0.965	1.010	3.27	
18)	Hexachloroethane	0.533	0.503	0.523	0.489	0.529	0.497	0.477	0.507	4.23	
19) P	n-Nitroso-di-n...	0.923	0.941	0.880	0.900	0.843	0.912	0.866	0.819	0.886	4.69
20)	3+4-Methylphenols	1.412	1.319	1.337	1.246	1.337	1.250	1.149	1.293	6.59	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.480	0.453	0.459	0.429	0.452	0.428	0.399	0.443	5.98	
23) S	Nitrobenzene-d5	0.376	0.365	0.379	0.356	0.382	0.363	0.347	0.367	3.51	
24)	Nitrobenzene	0.338	0.328	0.338	0.323	0.343	0.331	0.316	0.331	2.94	
25)	Isophorone	0.636	0.615	0.620	0.593	0.638	0.607	0.585	0.613	3.26	
26) C	2-Nitrophenol	0.167	0.170	0.180	0.175	0.190	0.182	0.173	0.177	4.44	
27)	2,4-Dimethylph...	0.315	0.315	0.318	0.303	0.325	0.312	0.295	0.312	3.22	
28)	bis(2-Chloroet...	0.406	0.394	0.394	0.364	0.391	0.375	0.358	0.383	4.63	
29) C	2,4-Dichloroph...	0.288	0.282	0.290	0.276	0.300	0.283	0.266	0.283	3.74	
30)	1,2,4-Trichlor...	0.325	0.313	0.317	0.295	0.320	0.300	0.284	0.308	4.89	
31)	Naphthalene	1.061	1.021	1.020	0.941	1.007	0.953	0.891	0.985	5.94	
32)	Benzoic acid		0.153	0.176	0.188	0.211	0.209	0.201	0.190	11.73	
33)	4-Chloroaniline	0.424	0.409	0.416	0.389	0.415	0.397	0.343	0.399	6.87	
34) C	Hexachlorobuta...	0.203	0.192	0.197	0.187	0.198	0.192	0.176	0.192	4.52	
35)	Caprolactam	0.081	0.076	0.083	0.079	0.085	0.078	0.076	0.080	4.29	
36) C	4-Chloro-3-met...	0.304	0.290	0.299	0.282	0.301	0.287	0.271	0.291	4.02	
37)	2-Methylnaphth...	0.679	0.638	0.646	0.590	0.631	0.598	0.556	0.620	6.62	
38)	1-Methylnaphth...	0.703	0.668	0.672	0.615	0.650	0.611	0.566	0.641	7.19	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF052025.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.592	0.580	0.588	0.552	0.592	0.573	0.544	0.574	3.39	
41) P	Hexachlorocycl...	0.318	0.350	0.383	0.393	0.430	0.425	0.411	0.387	10.57	
42) S	2,4,6-Tribromo...	0.230	0.225	0.234	0.211	0.233	0.218	0.202	0.222	5.39	
43) C	2,4,6-Trichlor...	0.387	0.373	0.406	0.371	0.406	0.388	0.379	0.387	3.69	
44)	2,4,5-Trichlor...	0.410	0.411	0.416	0.395	0.437	0.408	0.381	0.408	4.27	
45) S	2-Fluorobiphenyl	1.726	1.619	1.558	1.387	1.480	1.396	1.268	1.490	10.46	
46)	1,1'-Biphenyl	1.672	1.605	1.595	1.480	1.595	1.507	1.408	1.552	5.82	
47)	2-Chloronaphth...	1.218	1.170	1.177	1.094	1.183	1.122	1.061	1.146	4.84	
48)	2-Nitroaniline	0.333	0.318	0.338	0.324	0.354	0.332	0.320	0.331	3.72	
49)	Acenaphthylene	2.064	1.982	2.027	1.851	1.998	1.885	1.745	1.936	5.85	
50)	Dimethylphthalate	1.441	1.340	1.367	1.255	1.366	1.256	1.211	1.320	6.16	
51)	2,6-Dinitrotol...	0.290	0.283	0.289	0.280	0.302	0.281	0.268	0.285	3.74	
52) C	Acenaphthene	1.259	1.222	1.227	1.120	1.223	1.146	1.077	1.182	5.72	
53)	3-Nitroaniline	0.320	0.309	0.327	0.299	0.330	0.305	0.287	0.311	5.02	
54) P	2,4-Dinitrophenol		0.110	0.137	0.149	0.169	0.160	0.158	0.147	14.36	
55)	Dibenzofuran	1.886	1.766	1.768	1.606	1.736	1.635	1.509	1.701	7.38	
56) P	4-Nitrophenol	0.221	0.217	0.242	0.227	0.252	0.229	0.220	0.230	5.57	
57)	2,4-Dinitrotol...	0.372	0.367	0.387	0.364	0.398	0.372	0.344	0.372	4.62	
58)	Fluorene	1.477	1.399	1.372	1.231	1.343	1.238	1.140	1.314	8.85	
59)	2,3,4,6-Tetrac...	0.347	0.336	0.360	0.333	0.361	0.333	0.317	0.341	4.71	
60)	Diethylphthalate	1.422	1.310	1.359	1.231	1.343	1.218	1.140	1.289	7.51	
61)	4-Chlorophenyl...	0.724	0.678	0.676	0.609	0.653	0.612	0.566	0.646	8.25	
62)	4-Nitroaniline	0.303	0.283	0.303	0.277	0.294	0.265	0.251	0.282	6.95	
63)	Azobenzene	1.239	1.194	1.188	1.107	1.197	1.123	1.055	1.158	5.55	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.086	0.094	0.110	0.115	0.129	0.125	0.123	0.112	14.72	
66) c	n-Nitrosodiphe...	0.712	0.682	0.696	0.649	0.697	0.694	0.660	0.684	3.30	
67)	4-Bromophenyl-...	0.240	0.235	0.239	0.222	0.246	0.243	0.230	0.236	3.45	
68)	Hexachlorobenzene	0.265	0.267	0.263	0.251	0.273	0.262	0.250	0.262	3.19	
69)	Atrazine	0.184	0.174	0.186	0.178	0.196	0.181	0.174	0.182	4.29	
70) C	Pentachlorophenol	0.130	0.135	0.149	0.147	0.162	0.157	0.154	0.148	7.88	
71)	Phenanthrene	1.196	1.094	1.100	1.012	1.085	1.033	0.964	1.069	7.00	
72)	Anthracene	1.191	1.132	1.124	1.036	1.110	1.048	0.996	1.091	6.15	
73)	Carbazole	1.030	0.968	0.982	0.889	0.950	0.877	0.832	0.933	7.39	
74)	Di-n-butylphth...	1.108	1.039	1.083	0.976	1.059	0.974	0.908	1.021	6.95	
75) C	Fluoranthene	1.177	1.081	1.052	0.938	0.997	0.901	0.846	0.999	11.41	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.670	0.782	0.903	0.797	0.805	0.698	0.556	0.744	15.12	
78)	Pyrene	1.929	1.967	2.066	1.859	1.959	1.773	1.507	1.866	9.79	
79) S	Terphenyl-d14	1.624	1.582	1.660	1.423	1.492	1.337	1.126	1.464	12.80	
80)	Butylbenzylpht...	0.462	0.453	0.525	0.526	0.575	0.550	0.517	0.516	8.54	
81)	Benzo(a)anthra...	1.424	1.287	1.403	1.278	1.391	1.327	1.238	1.336	5.36	
82)	3,3'-Dichlorob...	0.360	0.364	0.402	0.407	0.444	0.442	0.417	0.405	8.30	
83)	Chrysene	1.222	1.204	1.193	1.145	1.255	1.223	1.158	1.200	3.20	
84)	Bis(2-ethylhex...	0.510	0.548	0.618	0.673	0.765	0.778	0.727	0.660	15.91	
85) c	Di-n-octyl pht...		0.958	1.108	1.266	1.432	1.542	1.437	1.290	17.30	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.421	1.495	1.583	1.448	1.583	1.546	1.434	1.501	4.64
88)	Benzo(b)fluora...	1.317	1.105	1.293	1.126	1.209	1.122	1.114	1.184	7.62
89)	Benzo(k)fluora...	1.191	1.166	1.032	1.042	1.178	1.128	1.023	1.109	6.68
90) C	Benzo(a)pyrene	1.154	1.081	1.114	1.081	1.185	1.133	1.062	1.116	4.00
91)	Dibenzo(a,h)an...	1.152	1.228	1.275	1.184	1.290	1.245	1.149	1.218	4.67
92)	Benzo(g,h,i)pe...	1.154	1.220	1.270	1.180	1.299	1.245	1.158	1.218	4.64

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF061125.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jun 11 05:56:09 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF142712.D 5.0 =BF142713.D 10 =BF142714.D 20 =BF142715.D 40 =BF142716.D 50 =BF142717.D 60 =BF142718.D 80 =BF142719.D

	Compound	2.5	5.0	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.499	0.448	0.472	0.455	0.481	0.460	0.439	0.465	4.40	
3)	Pyridine	1.172	1.129	1.159	1.160	1.222	1.193	1.122	1.165	3.00	
4)	n-Nitrosodimet...		0.558	0.590	0.591	0.633	0.617	0.588	0.596	4.36	
5) S	2-Fluorophenol	1.238	1.170	1.199	1.161	1.220	1.156	1.075	1.174	4.55	
6)	Aniline	1.866	1.788	1.894	1.848	1.955	1.861	1.736	1.850	3.83	
7) S	Phenol-d6	1.434	1.339	1.400	1.376	1.446	1.377	1.302	1.382	3.67	
8)	2-Chlorophenol	1.288	1.254	1.300	1.290	1.347	1.286	1.219	1.283	3.09	
9)	Benzaldehyde		0.943	0.950	0.839	0.839	0.708		0.856	11.52	
10) C	Phenol	1.550	1.503	1.577	1.522	1.607	1.547	1.446	1.536	3.42	
11)	bis(2-Chloroet...	1.222	1.118	1.149	1.130	1.202	1.131	1.079	1.147	4.29	
12)	1,3-Dichlorobe...	1.557	1.483	1.504	1.451	1.513	1.411	1.333	1.465	5.08	
13) C	1,4-Dichlorobe...	1.596	1.483	1.519	1.454	1.528	1.431	1.349	1.480	5.34	
14)	1,2-Dichlorobe...	1.554	1.418	1.444	1.401	1.457	1.375	1.282	1.419	5.83	
15)	Benzyl Alcohol		0.970	1.049	1.059	1.121	1.061	1.007	1.045	4.95	
16)	2,2'-oxybis(1-...	1.957	1.812	1.840	1.806	1.875	1.746	1.609	1.806	6.03	
17)	2-Methylphenol	0.978	0.950	0.995	0.992	1.043	0.995	0.933	0.984	3.61	
18)	Hexachloroethane	0.562	0.521	0.545	0.524	0.552	0.522	0.488	0.530	4.69	
19) P	n-Nitroso-di-n...	0.885	0.912	0.870	0.886	0.878	0.921	0.863	0.823	0.880	3.43
20)	3+4-Methylphenols		1.261	1.285	1.246	1.299	1.218	1.134	1.240	4.80	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.475	0.451	0.458	0.435	0.454	0.433	0.408	0.445	4.79	
23) S	Nitrobenzene-d5	0.381	0.363	0.369	0.358	0.378	0.363	0.346	0.365	3.24	
24)	Nitrobenzene	0.338	0.313	0.326	0.320	0.335	0.327	0.312	0.324	3.10	
25)	Isophorone	0.657	0.621	0.628	0.603	0.630	0.606	0.585	0.619	3.77	
26) C	2-Nitrophenol	0.172	0.174	0.183	0.181	0.192	0.187	0.178	0.181	3.92	
27)	2,4-Dimethylph...	0.318	0.303	0.311	0.304	0.321	0.308	0.292	0.308	3.14	
28)	bis(2-Chloroet...	0.408	0.381	0.392	0.377	0.397	0.378	0.356	0.384	4.31	
29) C	2,4-Dichloroph...	0.284	0.281	0.292	0.280	0.300	0.285	0.269	0.284	3.51	
30)	1,2,4-Trichlor...	0.337	0.313	0.322	0.306	0.322	0.307	0.294	0.314	4.42	
31)	Naphthalene	1.065	0.997	1.021	0.972	1.008	0.958	0.903	0.989	5.20	
32)	Benzoic acid		0.137	0.162	0.174	0.192	0.190	0.186	0.174	12.16	
33)	4-Chloroaniline	0.429	0.389	0.399	0.399	0.408	0.386	0.370	0.397	4.68	
34) C	Hexachlorobuta...	0.210	0.204	0.206	0.197	0.205	0.196	0.184	0.200	4.41	
35)	Caprolactam		0.077	0.079	0.075	0.079	0.077	0.074	0.077	2.82	
36) C	4-Chloro-3-met...	0.317	0.299	0.303	0.289	0.301	0.287	0.273	0.296	4.76	
37)	2-Methylnaphth...	0.674	0.649	0.641	0.618	0.636	0.599	0.565	0.626	5.72	
38)	1-Methylnaphth...	0.727	0.666	0.669	0.629	0.650	0.619	0.580	0.649	7.16	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF061125.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.585	0.592	0.589	0.568	0.618	0.570	0.531	0.579	4.64	
41) P	Hexachlorocycl...		0.297	0.348	0.375	0.414	0.400	0.396	0.372	11.64	
42) S	2,4,6-Tribromo...	0.236	0.223	0.224	0.213	0.226	0.210	0.202	0.219	5.28	
43) C	2,4,6-Trichlor...	0.349	0.373	0.383	0.373	0.405	0.380	0.359	0.375	4.79	
44)	2,4,5-Trichlor...	0.404	0.404	0.413	0.400	0.431	0.399	0.383	0.405	3.61	
45) S	2-Fluorobiphenyl	1.690	1.610	1.569	1.444	1.535	1.402	1.289	1.505	9.04	
46)	1,1'-Biphenyl	1.630	1.617	1.587	1.506	1.622	1.500	1.409	1.553	5.39	
47)	2-Chloronaphth...	1.190	1.172	1.178	1.117	1.197	1.108	1.047	1.144	4.82	
48)	2-Nitroaniline	0.320	0.321	0.333	0.323	0.345	0.325	0.311	0.325	3.38	
49)	Acenaphthylene	2.053	1.986	2.003	1.881	1.991	1.847	1.744	1.929	5.65	
50)	Dimethylphthalate	1.444	1.368	1.359	1.291	1.379	1.273	1.234	1.336	5.42	
51)	2,6-Dinitrotol...	0.307	0.283	0.295	0.285	0.299	0.283	0.268	0.289	4.49	
52) C	Acenaphthene	1.266	1.222	1.224	1.170	1.237	1.155	1.099	1.196	4.80	
53)	3-Nitroaniline	0.334	0.313	0.316	0.307	0.322	0.304	0.295	0.313	4.08	
54) P	2,4-Dinitrophenol		0.123	0.154	0.157	0.176	0.170	0.169	0.158	12.18	
55)	Dibenzofuran	1.855	1.777	1.783	1.643	1.741	1.607	1.517	1.703	6.93	
56) P	4-Nitrophenol		0.203	0.219	0.210	0.222	0.212	0.208	0.212	3.42	
57)	2,4-Dinitrotol...	0.396	0.383	0.399	0.377	0.396	0.372	0.348	0.382	4.73	
58)	Fluorene	1.547	1.429	1.397	1.279	1.357	1.240	1.167	1.345	9.49	
59)	2,3,4,6-Tetrac...	0.364	0.339	0.357	0.327	0.354	0.332	0.311	0.340	5.58	
60)	Diethylphthalate	1.508	1.392	1.372	1.256	1.332	1.246	1.164	1.324	8.55	
61)	4-Chlorophenyl...	0.748	0.692	0.680	0.633	0.663	0.610	0.571	0.657	8.84	
62)	4-Nitroaniline	0.297	0.281	0.294	0.270	0.283	0.275	0.261	0.280	4.58	
63)	Azobenzene	1.290	1.186	1.178	1.115	1.187	1.094	1.045	1.157	6.89	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.104	0.123	0.125	0.137	0.133	0.129	0.125	9.17	
66) c	n-Nitrosodiphe...	0.710	0.679	0.693	0.672	0.722	0.685	0.651	0.687	3.45	
67)	4-Bromophenyl-...	0.240	0.229	0.238	0.231	0.252	0.236	0.227	0.236	3.52	
68)	Hexachlorobenzene	0.270	0.261	0.263	0.255	0.275	0.260	0.251	0.262	3.17	
69)	Atrazine	0.185	0.174	0.188	0.179	0.191	0.188	0.178	0.183	3.33	
70) C	Pentachlorophenol		0.118	0.133	0.139	0.148	0.144	0.142	0.137	7.80	
71)	Phenanthrene	1.165	1.100	1.094	1.036	1.091	1.035	0.978	1.071	5.61	
72)	Anthracene	1.203	1.145	1.140	1.064	1.132	1.072	1.004	1.108	5.96	
73)	Carbazole	1.003	0.960	0.968	0.898	0.931	0.903	0.832	0.928	6.07	
74)	Di-n-butylphth...	1.105	1.048	1.072	1.005	1.053	1.017	0.953	1.036	4.76	
75) C	Fluoranthene	1.184	1.083	1.081	0.965	0.988	0.953	0.878	1.019	10.08	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.711	0.772	0.799	0.754	0.684	0.553	0.712	12.40	
78)	Pyrene	2.014	1.918	1.928	1.883	1.878	1.753	1.635	1.859	6.75	
79) S	Terphenyl-d14	1.609	1.562	1.556	1.462	1.430	1.327	1.247	1.456	9.11	
80)	Butylbenzylpht...	0.435	0.486	0.526	0.581	0.626	0.605	0.588	0.550	12.67	
81)	Benzo(a)anthra...	1.367	1.273	1.284	1.350	1.400	1.340	1.263	1.325	3.94	
82)	3,3'-Dichlorob...		0.370	0.403	0.442	0.473	0.459	0.418	0.427	8.88	
83)	Chrysene	1.298	1.208	1.245	1.172	1.250	1.222	1.170	1.224	3.72	
84)	Bis(2-ethylhex...	0.616	0.709	0.756	0.895	0.977	0.926	0.896	0.825	16.02	
85) c	Di-n-octyl pht...		1.284	1.385	1.677	1.816	1.680	1.654	1.582	12.84	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061125.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.438	1.406	1.458	1.498	1.602	1.514	1.460	1.482	4.31
88)	Benzo(b)fluora...	1.256	1.094	1.112	1.162	1.230	1.251	1.139	1.178	5.71
89)	Benzo(k)fluora...	1.236	1.178	1.245	1.076	1.189	1.035	1.039	1.143	7.94
90) C	Benzo(a)pyrene	1.164	1.085	1.122	1.104	1.184	1.111	1.068	1.120	3.70
91)	Dibenzo(a,h)an...	1.134	1.176	1.214	1.236	1.318	1.222	1.172	1.210	4.87
92)	Benzo(g,h,i)pe...	1.201	1.164	1.178	1.216	1.295	1.207	1.163	1.203	3.77

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP060625.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jun 06 16:20:27 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BP024860.D 5 =BP024861.D 10 =BP024862.D 20 =BP024863.D 40 =BP024864.D 50 =BP024865.D 60 =BP024866.D 80 =BP024867.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.564	0.529	0.524	0.495	0.546	0.515	0.517	0.527	4.21	
3)	Pyridine	1.151	1.183	1.265	1.226	1.370	1.367	1.315	1.268	6.84	
4)	n-Nitrosodimet...		0.478	0.509	0.502	0.542	0.554	0.525	0.518	5.36	
5) S	2-Fluorophenol	1.127	1.139	1.207	1.163	1.283	1.253	1.215	1.198	4.85	
6)	Aniline	1.917	1.892	2.016	1.978	2.145	2.182	2.031	2.023	5.37	
7) S	Phenol-d6	1.507	1.528	1.588	1.545	1.676	1.689	1.564	1.585	4.49	
8)	2-Chlorophenol	1.336	1.290	1.346	1.314	1.453	1.422	1.348	1.358	4.29	
9)	Benzaldehyde		1.038	1.071	0.873	0.985	0.869	0.646	0.914	16.98	
10) C	Phenol	1.560	1.564	1.616	1.587	1.725	1.759	1.629	1.634	4.78	
11)	bis(2-Chloroet...	1.222	1.277	1.334	1.234	1.363	1.322	1.246	1.285	4.26	
12)	1,3-Dichlorobe...	1.570	1.515	1.537	1.425	1.571	1.519	1.471	1.515	3.49	
13) C	1,4-Dichlorobe...	1.596	1.507	1.535	1.439	1.604	1.534	1.488	1.529	3.82	
14)	1,2-Dichlorobe...	1.529	1.637	1.488	1.401	1.540	1.492	1.422	1.501	5.25	
15)	Benzyl Alcohol		1.137	1.185	1.170	1.289	1.309	1.211	1.217	5.63	
16)	2,2'-oxybis(1-...	1.748	1.732	1.722	1.583	1.751	1.667	1.574	1.682	4.54	
17)	2-Methylphenol	1.053	1.149	1.138	1.106	1.210	1.211	1.121	1.141	4.94	
18)	Hexachloroethane	0.591	0.565	0.581	0.545	0.611	0.574	0.562	0.576	3.73	
19) P	n-Nitroso-di-n...	0.984	1.101	1.105	1.107	1.043	1.141	1.113	1.029	1.078	4.93
20)	3+4-Methylphenols		1.507	1.548	1.493	1.631	1.648	1.515	1.557	4.29	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.506	0.521	0.511	0.491	0.535	0.510	0.463	0.505	4.58	
23) S	Nitrobenzene-d5	0.407	0.397	0.423	0.404	0.444	0.423	0.383	0.412	4.89	
24)	Nitrobenzene	0.366	0.351	0.375	0.360	0.392	0.376	0.339	0.366	4.81	
25)	Isophorone	0.704	0.678	0.724	0.694	0.764	0.726	0.704	0.713	3.91	
26) C	2-Nitrophenol	0.154	0.157	0.178	0.180	0.201	0.195	0.198	0.180	10.62	
27)	2,4-Dimethylph...	0.294	0.286	0.310	0.303	0.331	0.320	0.318	0.309	5.12	
28)	bis(2-Chloroet...	0.414	0.408	0.438	0.414	0.465	0.423	0.416	0.426	4.70	
29) C	2,4-Dichloroph...	0.246	0.272	0.300	0.292	0.327	0.313	0.323	0.296	9.81	
30)	1,2,4-Trichlor...	0.335	0.319	0.335	0.317	0.352	0.330	0.351	0.334	4.16	
31)	Naphthalene	1.071	1.022	1.044	0.989	1.079	1.035	0.935	1.025	4.86	
32)	Benzoic acid		0.159	0.181	0.204	0.230	0.235	0.243	0.209	16.01	
33)	4-Chloroaniline	0.397	0.401	0.435	0.426	0.471	0.463	0.414	0.429	6.72	
34) C	Hexachlorobuta...	0.203	0.199	0.208	0.194	0.218	0.198	0.189	0.201	4.76	
35)	Caprolactam		0.098	0.109	0.110	0.118	0.116	0.104	0.109	6.91	
36) C	4-Chloro-3-met...	0.312	0.322	0.351	0.341	0.374	0.363	0.329	0.342	6.58	
37)	2-Methylnaphth...	0.659	0.638	0.659	0.633	0.696	0.664	0.602	0.650	4.54	
38)	1-Methylnaphth...	0.720	0.680	0.718	0.671	0.741	0.693	0.643	0.695	4.86	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP060625.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.568	0.561	0.568	0.538	0.601	0.574	0.562	0.568	3.31	
41) P	Hexachlorocycl...	0.259	0.315	0.337	0.404	0.369	0.394	0.346		15.74	
42) S	2,4,6-Tribromo...	0.256	0.264	0.279	0.267	0.298	0.286	0.285	0.277	5.26	
43) C	2,4,6-Trichlor...	0.342	0.352	0.386	0.375	0.411	0.404	0.396	0.381	6.86	
44)	2,4,5-Trichlor...	0.349	0.379	0.414	0.405	0.448	0.436	0.426	0.408	8.44	
45) S	2-Fluorobiphenyl	1.542	1.507	1.517	1.390	1.563	1.464	1.409	1.485	4.44	
46)	1,1'-Biphenyl	1.477	1.456	1.485	1.386	1.509	1.458	1.403	1.453	3.05	
47)	2-Chloronaphth...	1.123	1.104	1.135	1.069	1.171	1.136	1.081	1.117	3.16	
48)	2-Nitroaniline	0.289	0.324	0.344	0.346	0.371	0.374	0.355	0.343	8.59	
49)	Acenaphthylene	1.880	1.851	1.892	1.768	1.939	1.904	1.805	1.863	3.19	
50)	Dimethylphthalate	1.515	1.450	1.501	1.400	1.550	1.473	1.438	1.475	3.45	
51)	2,6-Dinitrotol...	0.299	0.301	0.326	0.312	0.339	0.333	0.317	0.318	4.86	
52) C	Acenaphthene	1.106	1.064	1.090	1.020	1.087	1.069	1.036	1.067	2.86	
53)	3-Nitroaniline	0.263	0.292	0.337	0.338	0.367	0.364	0.349	0.330	11.74	
54) P	2,4-Dinitrophenol	0.117	0.155	0.179	0.203	0.208	0.205	0.178		20.23	
55)	Dibenzofuran	1.815	1.721	1.756	1.627	1.757	1.702	1.615	1.713	4.22	
56) P	4-Nitrophenol	0.142	0.213	0.248	0.276	0.281	0.275	0.239		22.62	
57)	2,4-Dinitrotol...	0.390	0.416	0.457	0.437	0.487	0.470	0.458	0.445	7.45	
58)	Fluorene	1.437	1.394	1.420	1.304	1.434	1.370	1.329	1.384	3.77	
59)	2,3,4,6-Tetrac...	0.343	0.350	0.360	0.354	0.395	0.381	0.370	0.365	5.04	
60)	Diethylphthalate	1.501	1.474	1.487	1.393	1.545	1.444	1.449	1.470	3.27	
61)	4-Chlorophenyl...	0.711	0.668	0.689	0.637	0.709	0.665	0.658	0.677	4.06	
62)	4-Nitroaniline	0.239	0.235	0.307	0.311	0.336	0.333	0.334	0.299	14.69	
63)	Azobenzene	1.346	1.334	1.394	1.300	1.425	1.335	1.307	1.349	3.37	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.102	0.125	0.130	0.147	0.143	0.142	0.131		12.78	
66) c	n-Nitrosodiphe...	0.627	0.608	0.633	0.597	0.659	0.622	0.594	0.620	3.68	
67)	4-Bromophenyl-...	0.224	0.215	0.226	0.213	0.246	0.229	0.226	0.226	4.83	
68)	Hexachlorobenzene	0.278	0.268	0.272	0.260	0.290	0.275	0.272	0.274	3.31	
69)	Atrazine	0.213	0.212	0.231	0.217	0.244	0.228	0.228	0.225	5.16	
70) C	Pentachlorophenol	0.105	0.131	0.139	0.162	0.153	0.159	0.142		15.21	
71)	Phenanthrene	1.158	1.108	1.110	1.056	1.161	1.102	1.041	1.105	4.12	
72)	Anthracene	1.129	1.093	1.137	1.072	1.188	1.133	1.083	1.119	3.58	
73)	Carbazole	1.023	1.013	1.057	0.998	1.112	1.052	1.007	1.038	3.83	
74)	Di-n-butylphth...	1.178	1.245	1.326	1.272	1.421	1.273	1.284	1.285	5.81	
75) C	Fluoranthene	1.300	1.287	1.307	1.223	1.344	1.268	1.238	1.281	3.25	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.512	0.669	0.653	0.690	0.663	0.529	0.619		12.54	
78)	Pyrene	1.307	1.195	1.261	1.184	1.322	1.272	1.206	1.249	4.41	
79) S	Terphenyl-d14	1.178	1.073	1.146	1.089	1.164	1.120	1.039	1.116	4.57	
80)	Butylbenzylpht...	0.508	0.529	0.581	0.561	0.641	0.596	0.589	0.572	7.74	
81)	Benzo(a)anthra...	1.312	1.234	1.288	1.219	1.347	1.310	1.243	1.279	3.73	
82)	3,3'-Dichlorob...	0.468	0.513	0.493	0.542	0.531	0.501	0.508		5.29	
83)	Chrysene	1.252	1.174	1.229	1.144	1.279	1.238	1.168	1.212	4.13	
84)	Bis(2-ethylhex...	0.715	0.780	0.846	0.797	0.921	0.831	0.850	0.820	7.87	
85) c	Di-n-octyl pht...	1.320	1.438	1.384	1.587	1.470	1.473	1.445		6.25	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M

86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.427	1.402	1.469	1.412	1.559	1.510	1.436	1.459	3.92	
88)	Benzo(b)fluora...	1.103	1.104	1.133	1.127	1.232	1.180	1.133	1.145	4.06	
89)	Benzo(k)fluora...	1.165	1.144	1.180	1.106	1.259	1.158	1.144	1.165	4.05	
90) C	Benzo(a)pyrene	1.096	1.069	1.127	1.070	1.214	1.136	1.113	1.118	4.46	
91)	Dibenzo(a,h)an...	1.151	1.143	1.202	1.143	1.279	1.224	1.172	1.188	4.25	
92)	Benzo(g,h,i)pe...	1.172	1.127	1.183	1.136	1.261	1.214	1.157	1.179	3.95	

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/05/2025 09:37

Lab File ID: BF142625.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.156		-2.6	
Benzaldehyde	0.859	0.797		-7.2	
Phenol-d6	1.429	1.381		-3.4	
Phenol	1.608	1.568		-2.5	20.0
bis(2-Chloroethyl)ether	1.157	1.130		-2.3	
2-Chlorophenol	1.293	1.266		-2.1	
2-Methylphenol	1.010	0.977		-3.3	
2,2-oxybis(1-Chloropropane)	1.944	1.876		-3.5	
Acetophenone	0.443	0.410		-7.4	
3+4-Methylphenols	1.293	1.213		-6.2	
n-Nitroso-di-n-propylamine	0.886	0.819	0.050	-7.6	
Nitrobenzene-d5	0.367	0.346		-5.7	
Hexachloroethane	0.507	0.492		-3.0	
Nitrobenzene	0.331	0.312		-5.7	
Isophorone	0.613	0.566		-7.7	
2-Nitrophenol	0.177	0.174		-1.7	20.0
2,4-Dimethylphenol	0.312	0.301		-3.5	
bis(2-Chloroethoxy)methane	0.383	0.362		-5.5	
2,4-Dichlorophenol	0.283	0.271		-4.2	20.0
Naphthalene	0.985	0.923		-6.3	
4-Chloroaniline	0.399	0.383		-4.0	
Hexachlorobutadiene	0.192	0.176		-8.3	20.0
Caprolactam	0.080	0.076		-5.0	
4-Chloro-3-methylphenol	0.291	0.267		-8.2	20.0
2-Methylnaphthalene	0.620	0.579		-6.6	
Hexachlorocyclopentadiene	0.387	0.335	0.050	-13.4	
2,4,6-Trichlorophenol	0.387	0.374		-3.4	20.0
2-Fluorobiphenyl	1.490	1.337		-10.3	
2,4,5-Trichlorophenol	0.408	0.388		-4.9	
1,1-Biphenyl	1.552	1.449		-6.6	
2-Chloronaphthalene	1.146	1.076		-6.1	
2-Nitroaniline	0.331	0.320		-3.3	
Dimethylphthalate	1.320	1.228		-7.0	
Acenaphthylene	1.936	1.816		-6.2	
2,6-Dinitrotoluene	0.285	0.273		-4.2	
3-Nitroaniline	0.311	0.300		-3.5	
Acenaphthene	1.182	1.097		-7.2	20.0
2,4-Dinitrophenol	0.147	0.132	0.050	-10.2	
4-Nitrophenol	0.230	0.203	0.050	-11.7	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/05/2025 09:37

Lab File ID: BF142625.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.701	1.577		-7.3	
2,4-Dinitrotoluene	0.372	0.363		-2.4	
Diethylphthalate	1.289	1.178		-8.6	
4-Chlorophenyl-phenylether	0.646	0.598		-7.4	
Fluorene	1.314	1.218		-7.3	
4-Nitroaniline	0.282	0.267		-5.3	
4,6-Dinitro-2-methylphenol	0.112	0.112		0.0	
n-Nitrosodiphenylamine	0.684	0.646		-5.6	20.0
2,4,6-Tribromophenol	0.222	0.204		-8.1	
4-Bromophenyl-phenylether	0.236	0.225		-4.7	
Hexachlorobenzene	0.262	0.250		-4.6	
Atrazine	0.182	0.167		-8.2	
Pentachlorophenol	0.148	0.131		-11.5	20.0
Phenanthrene	1.069	0.989		-7.5	
Anthracene	1.091	1.031		-5.5	
Carbazole	0.933	0.860		-7.8	
Di-n-butylphthalate	1.021	0.896		-12.2	
Fluoranthene	0.999	0.904		-9.5	20.0
Pyrene	1.866	1.715		-8.1	
Terphenyl-d14	1.464	1.276		-12.8	
Butylbenzylphthalate	0.516	0.506		-1.9	
3,3-Dichlorobenzidine	0.405	0.454		12.1	
Benzo (a) anthracene	1.336	1.249		-6.5	
Chrysene	1.200	1.151		-4.1	
Bis(2-ethylhexyl)phthalate	0.660	0.753		14.1	
Di-n-octyl phthalate	1.290	1.450		12.4	20.0
Benzo (b) fluoranthene	1.184	1.181		-0.3	
Benzo (k) fluoranthene	1.109	0.934		-15.8	
Benzo (a) pyrene	1.116	1.056		-5.4	20.0
Indeno (1,2,3-cd) pyrene	1.501	1.303		-13.2	
Dibenzo (a,h) anthracene	1.218	1.058		-13.1	
Benzo (g,h,i) perylene	1.218	1.053		-13.5	
1,2,4,5-Tetrachlorobenzene	0.574	0.549		-4.4	
1,4-Dioxane	0.475	0.480		1.1	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.322		-5.6	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/06/2025 11:36

Lab File ID: BF142640.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.121		-5.6	
Benzaldehyde	0.859	0.766		-10.8	
Phenol-d6	1.429	1.356		-5.1	
Phenol	1.608	1.531		-4.8	20.0
bis(2-Chloroethyl)ether	1.157	1.138		-1.6	
2-Chlorophenol	1.293	1.241		-4.0	
2-Methylphenol	1.010	0.964		-4.6	
2,2-oxybis(1-Chloropropane)	1.944	1.880		-3.3	
Acetophenone	0.443	0.410		-7.4	
3+4-Methylphenols	1.293	1.177		-9.0	
n-Nitroso-di-n-propylamine	0.886	0.812	0.050	-8.4	
Nitrobenzene-d5	0.367	0.343		-6.5	
Hexachloroethane	0.507	0.489		-3.5	
Nitrobenzene	0.331	0.311		-6.0	
Isophorone	0.613	0.566		-7.7	
2-Nitrophenol	0.177	0.174		-1.7	20.0
2,4-Dimethylphenol	0.312	0.292		-6.4	
bis(2-Chloroethoxy)methane	0.383	0.361		-5.7	
2,4-Dichlorophenol	0.283	0.273		-3.5	20.0
Naphthalene	0.985	0.926		-6.0	
4-Chloroaniline	0.399	0.381		-4.5	
Hexachlorobutadiene	0.192	0.181		-5.7	20.0
Caprolactam	0.080	0.071		-11.3	
4-Chloro-3-methylphenol	0.291	0.262		-10.0	20.0
2-Methylnaphthalene	0.620	0.577		-6.9	
Hexachlorocyclopentadiene	0.387	0.355	0.050	-8.3	
2,4,6-Trichlorophenol	0.387	0.375		-3.1	20.0
2-Fluorobiphenyl	1.490	1.353		-9.2	
2,4,5-Trichlorophenol	0.408	0.381		-6.6	
1,1-Biphenyl	1.552	1.469		-5.3	
2-Chloronaphthalene	1.146	1.112		-3.0	
2-Nitroaniline	0.331	0.307		-7.3	
Dimethylphthalate	1.320	1.176		-10.9	
Acenaphthylene	1.936	1.812		-6.4	
2,6-Dinitrotoluene	0.285	0.258		-9.5	
3-Nitroaniline	0.311	0.273		-12.2	
Acenaphthene	1.182	1.087		-8.0	20.0
2,4-Dinitrophenol	0.147	0.127	0.050	-13.6	
4-Nitrophenol	0.230	0.182	0.050	-20.9	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/06/2025 11:36

Lab File ID: BF142640.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.701	1.563		-8.1	
2,4-Dinitrotoluene	0.372	0.330		-11.3	
Diethylphthalate	1.289	1.095		-15.1	
4-Chlorophenyl-phenylether	0.646	0.584		-9.6	
Fluorene	1.314	1.186		-9.7	
4-Nitroaniline	0.282	0.233		-17.4	
4,6-Dinitro-2-methylphenol	0.112	0.113		0.9	
n-Nitrosodiphenylamine	0.684	0.680		-0.6	20.0
2,4,6-Tribromophenol	0.222	0.192		-13.5	
4-Bromophenyl-phenylether	0.236	0.239		1.3	
Hexachlorobenzene	0.262	0.263		0.4	
Atrazine	0.182	0.168		-7.7	
Pentachlorophenol	0.148	0.135		-8.8	20.0
Phenanthrene	1.069	1.013		-5.2	
Anthracene	1.091	1.048		-3.9	
Carbazole	0.933	0.847		-9.2	
Di-n-butylphthalate	1.021	0.903		-11.6	
Fluoranthene	0.999	0.880		-11.9	20.0
Pyrene	1.866	1.563		-16.2	
Terphenyl-d14	1.464	1.196		-18.3	
Butylbenzylphthalate	0.516	0.527		2.1	
3,3-Dichlorobenzidine	0.405	0.465		14.8	
Benzo (a) anthracene	1.336	1.219		-8.8	
Chrysene	1.200	1.183		-1.4	
Bis (2-ethylhexyl) phthalate	0.660	0.831		25.9	
Di-n-octyl phthalate	1.290	1.594		23.6	20.0
Benzo (b) fluoranthene	1.184	1.106		-6.6	
Benzo (k) fluoranthene	1.109	0.999		-9.9	
Benzo (a) pyrene	1.116	1.052		-5.7	20.0
Indeno (1,2,3-cd) pyrene	1.501	1.380		-8.1	
Dibenzo (a,h) anthracene	1.218	1.119		-8.1	
Benzo (g,h,i) perylene	1.218	1.111		-8.8	
1,2,4,5-Tetrachlorobenzene	0.574	0.558		-2.8	
1,4-Dioxane	0.475	0.477		0.4	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.306		-10.3	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/11/2025 09:24

Lab File ID: BF142723.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.174	1.141		-2.8	
Benzaldehyde	0.856	0.818		-4.4	
Phenol-d6	1.382	1.367		-1.1	
Phenol	1.536	1.528		-0.5	20.0
bis(2-Chloroethyl)ether	1.147	1.136		-1.0	
2-Chlorophenol	1.283	1.259		-1.9	
2-Methylphenol	0.984	0.985		0.1	
2,2-oxybis(1-Chloropropane)	1.806	1.799		-0.4	
Acetophenone	0.445	0.431		-3.1	
3+4-Methylphenols	1.240	1.242		0.2	
n-Nitroso-di-n-propylamine	0.880	0.889	0.050	1.0	
Nitrobenzene-d5	0.365	0.358		-1.9	
Hexachloroethane	0.530	0.508		-4.2	
Nitrobenzene	0.324	0.320		-1.2	
Isophorone	0.619	0.614		-0.8	
2-Nitrophenol	0.181	0.182		0.6	20.0
2,4-Dimethylphenol	0.308	0.305		-1.0	
bis(2-Chloroethoxy)methane	0.384	0.380		-1.0	
2,4-Dichlorophenol	0.284	0.284		0.0	20.0
Naphthalene	0.989	0.976		-1.3	
4-Chloroaniline	0.397	0.399		0.5	
Hexachlorobutadiene	0.200	0.197		-1.5	20.0
Caprolactam	0.077	0.080		3.9	
4-Chloro-3-methylphenol	0.296	0.295		-0.3	20.0
2-Methylnaphthalene	0.626	0.619		-1.1	
Hexachlorocyclopentadiene	0.372	0.369	0.050	-0.8	
2,4,6-Trichlorophenol	0.375	0.381		1.6	20.0
2-Fluorobiphenyl	1.505	1.452		-3.5	
2,4,5-Trichlorophenol	0.405	0.395		-2.5	
1,1-Biphenyl	1.553	1.516		-2.4	
2-Chloronaphthalene	1.144	1.134		-0.9	
2-Nitroaniline	0.325	0.326		0.3	
Dimethylphthalate	1.336	1.325		-0.8	
Acenaphthylene	1.929	1.891		-2.0	
2,6-Dinitrotoluene	0.289	0.285		-1.4	
3-Nitroaniline	0.313	0.309		-1.3	
Acenaphthene	1.196	1.172		-2.0	20.0
2,4-Dinitrophenol	0.158	0.159	0.050	0.6	
4-Nitrophenol	0.212	0.215	0.050	1.4	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/11/2025 09:24

Lab File ID: BF142723.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.703	1.673		-1.8	
2,4-Dinitrotoluene	0.382	0.392		2.6	
Diethylphthalate	1.324	1.318		-0.5	
4-Chlorophenyl-phenylether	0.657	0.651		-0.9	
Fluorene	1.345	1.301		-3.3	
4-Nitroaniline	0.280	0.290		3.6	
4,6-Dinitro-2-methylphenol	0.125	0.125		0.0	
n-Nitrosodiphenylamine	0.687	0.667		-2.9	20.0
2,4,6-Tribromophenol	0.219	0.218		-0.5	
4-Bromophenyl-phenylether	0.236	0.233		-1.3	
Hexachlorobenzene	0.262	0.255		-2.7	
Atrazine	0.183	0.192		4.9	
Pentachlorophenol	0.137	0.138		0.7	20.0
Phenanthrene	1.071	1.043		-2.6	
Anthracene	1.108	1.070		-3.4	
Carbazole	0.928	0.921		-0.8	
Di-n-butylphthalate	1.036	1.101		6.3	
Fluoranthene	1.019	1.017		-0.2	20.0
Pyrene	1.859	1.904		2.4	
Terphenyl-d14	1.456	1.502		3.2	
Butylbenzylphthalate	0.550	0.589		7.1	
3,3-Dichlorobenzidine	0.427	0.407		-4.7	
Benzo (a) anthracene	1.325	1.330		0.4	
Chrysene	1.224	1.168		-4.6	
Bis (2-ethylhexyl) phthalate	0.825	0.821		-0.5	
Di-n-octyl phthalate	1.582	1.500		-5.2	20.0
Benzo (b) fluoranthene	1.178	1.192		1.2	
Benzo (k) fluoranthene	1.143	1.132		-1.0	
Benzo (a) pyrene	1.120	1.112		-0.7	20.0
Indeno (1,2,3-cd) pyrene	1.482	1.501		1.3	
Dibenzo (a,h) anthracene	1.210	1.240		2.5	
Benzo (g,h,i) perylene	1.203	1.196		-0.6	
1,2,4,5-Tetrachlorobenzene	0.579	0.567		-2.1	
1,4-Dioxane	0.465	0.450		-3.2	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.335		-1.5	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/12/2025 09:50

Lab File ID: BF142748.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.174	1.175		0.1	
Benzaldehyde	0.856	0.797		-6.9	
Phenol-d6	1.382	1.342		-2.9	
Phenol	1.536	1.497		-2.5	20.0
bis(2-Chloroethyl)ether	1.147	1.093		-4.7	
2-Chlorophenol	1.283	1.262		-1.6	
2-Methylphenol	0.984	0.951		-3.4	
2,2-oxybis(1-Chloropropane)	1.806	1.699		-5.9	
Acetophenone	0.445	0.432		-2.9	
3+4-Methylphenols	1.240	1.171		-5.6	
n-Nitroso-di-n-propylamine	0.880	0.795	0.050	-9.7	
Nitrobenzene-d5	0.365	0.362		-0.8	
Hexachloroethane	0.530	0.514		-3.0	
Nitrobenzene	0.324	0.324		0.0	
Isophorone	0.619	0.568		-8.2	
2-Nitrophenol	0.181	0.176		-2.8	20.0
2,4-Dimethylphenol	0.308	0.303		-1.6	
bis(2-Chloroethoxy)methane	0.384	0.365		-4.9	
2,4-Dichlorophenol	0.284	0.278		-2.1	20.0
Naphthalene	0.989	0.963		-2.6	
4-Chloroaniline	0.397	0.377		-5.0	
Hexachlorobutadiene	0.200	0.199		-0.5	20.0
Caprolactam	0.077	0.066		-14.3	
4-Chloro-3-methylphenol	0.296	0.272		-8.1	20.0
2-Methylnaphthalene	0.626	0.589		-5.9	
Hexachlorocyclopentadiene	0.372	0.359	0.050	-3.5	
2,4,6-Trichlorophenol	0.375	0.381		1.6	20.0
2-Fluorobiphenyl	1.505	1.507		0.1	
2,4,5-Trichlorophenol	0.405	0.402		-0.7	
1,1-Biphenyl	1.553	1.558		0.3	
2-Chloronaphthalene	1.144	1.155		1.0	
2-Nitroaniline	0.325	0.314		-3.4	
Dimethylphthalate	1.336	1.248		-6.6	
Acenaphthylene	1.929	1.913		-0.8	
2,6-Dinitrotoluene	0.289	0.266		-8.0	
3-Nitroaniline	0.313	0.290		-7.3	
Acenaphthene	1.196	1.155		-3.4	20.0
2,4-Dinitrophenol	0.158	0.125	0.050	-20.9	
4-Nitrophenol	0.212	0.185	0.050	-12.7	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/12/2025 09:50

Lab File ID: BF142748.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.703	1.644		-3.5	
2,4-Dinitrotoluene	0.382	0.352		-7.9	
Diethylphthalate	1.324	1.176		-11.2	
4-Chlorophenyl-phenylether	0.657	0.619		-5.8	
Fluorene	1.345	1.257		-6.5	
4-Nitroaniline	0.280	0.254		-9.3	
4,6-Dinitro-2-methylphenol	0.125	0.114		-8.8	
n-Nitrosodiphenylamine	0.687	0.684		-0.4	20.0
2,4,6-Tribromophenol	0.219	0.199		-9.1	
4-Bromophenyl-phenylether	0.236	0.231		-2.1	
Hexachlorobenzene	0.262	0.254		-3.1	
Atrazine	0.183	0.167		-8.7	
Pentachlorophenol	0.137	0.127		-7.3	20.0
Phenanthrene	1.071	1.031		-3.7	
Anthracene	1.108	1.071		-3.3	
Carbazole	0.928	0.892		-3.9	
Di-n-butylphthalate	1.036	0.951		-8.2	
Fluoranthene	1.019	0.949		-6.9	20.0
Pyrene	1.859	1.594		-14.3	
Terphenyl-d14	1.456	1.245		-14.5	
Butylbenzylphthalate	0.550	0.566		2.9	
3,3-Dichlorobenzidine	0.427	0.465		8.9	
Benzo (a) anthracene	1.325	1.297		-2.1	
Chrysene	1.224	1.214		-0.8	
Bis(2-ethylhexyl)phthalate	0.825	0.883		7.0	
Di-n-octyl phthalate	1.582	1.645		4.0	20.0
Benzo (b) fluoranthene	1.178	1.089		-7.6	
Benzo (k) fluoranthene	1.143	1.134		-0.8	
Benzo (a) pyrene	1.120	1.094		-2.3	20.0
Indeno (1,2,3-cd) pyrene	1.482	1.417		-4.4	
Dibenzo (a,h) anthracene	1.210	1.148		-5.1	
Benzo (g,h,i) perylene	1.203	1.125		-6.5	
1,2,4,5-Tetrachlorobenzene	0.579	0.594		2.6	
1,4-Dioxane	0.465	0.477		2.6	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.314		-7.6	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_P Calibration Date/Time: 06/10/2025 10:53

Lab File ID: BP024888.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.199		0.1	
Benzaldehyde	0.914	0.959		4.9	
Phenol-d6	1.585	1.573		-0.8	
Phenol	1.634	1.630		-0.2	20.0
bis(2-Chloroethyl)ether	1.285	1.306		1.6	
2-Chlorophenol	1.358	1.365		0.5	
2-Methylphenol	1.141	1.143		0.2	
2,2-oxybis(1-Chloropropane)	1.682	1.667		-0.9	
Acetophenone	0.505	0.510		1.0	
3+4-Methylphenols	1.557	1.543		-0.9	
n-Nitroso-di-n-propylamine	1.078	1.086	0.050	0.7	
Nitrobenzene-d5	0.412	0.415		0.7	
Hexachloroethane	0.576	0.567		-1.6	
Nitrobenzene	0.366	0.363		-0.8	
Isophorone	0.713	0.722		1.3	
2-Nitrophenol	0.180	0.191		6.1	20.0
2,4-Dimethylphenol	0.309	0.317		2.6	
bis(2-Chloroethoxy)methane	0.426	0.432		1.4	
2,4-Dichlorophenol	0.296	0.306		3.4	20.0
Naphthalene	1.025	1.011		-1.4	
4-Chloroaniline	0.429	0.441		2.8	
Hexachlorobutadiene	0.201	0.205		2.0	20.0
Caprolactam	0.109	0.110		0.9	
4-Chloro-3-methylphenol	0.342	0.345		0.9	20.0
2-Methylnaphthalene	0.650	0.651		0.2	
Hexachlorocyclopentadiene	0.346	0.335	0.050	-3.2	
2,4,6-Trichlorophenol	0.381	0.394		3.4	20.0
2-Fluorobiphenyl	1.485	1.475		-0.7	
2,4,5-Trichlorophenol	0.408	0.423		3.7	
1,1-Biphenyl	1.453	1.451		-0.1	
2-Chloronaphthalene	1.117	1.112		-0.4	
2-Nitroaniline	0.343	0.341		-0.6	
Dimethylphthalate	1.475	1.472		-0.2	
Acenaphthylene	1.863	1.865		0.1	
2,6-Dinitrotoluene	0.318	0.321		0.9	
3-Nitroaniline	0.330	0.340		3.0	
Acenaphthene	1.067	1.066		-0.1	20.0
2,4-Dinitrophenol	0.178	0.187	0.050	5.1	
4-Nitrophenol	0.239	0.238	0.050	-0.4	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_P Calibration Date/Time: 06/10/2025 10:53

Lab File ID: BP024888.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.713	1.701		-0.7	
2,4-Dinitrotoluene	0.445	0.463		4.0	
Diethylphthalate	1.470	1.494		1.6	
4-Chlorophenyl-phenylether	0.677	0.688		1.6	
Fluorene	1.384	1.390		0.4	
4-Nitroaniline	0.299	0.338		13.0	
4,6-Dinitro-2-methylphenol	0.131	0.134		2.3	
n-Nitrosodiphenylamine	0.620	0.609		-1.8	20.0
2,4,6-Tribromophenol	0.277	0.294		6.1	
4-Bromophenyl-phenylether	0.226	0.231		2.2	
Hexachlorobenzene	0.274	0.269		-1.8	
Atrazine	0.225	0.233		3.6	
Pentachlorophenol	0.142	0.159		12.0	20.0
Phenanthrene	1.105	1.093		-1.1	
Anthracene	1.119	1.109		-0.9	
Carbazole	1.038	1.036		-0.2	
Di-n-butylphthalate	1.285	1.380		7.4	
Fluoranthene	1.281	1.281		0.0	20.0
Pyrene	1.249	1.222		-2.2	
Terphenyl-d14	1.116	1.120		0.4	
Butylbenzylphthalate	0.572	0.600		4.9	
3,3-Dichlorobenzidine	0.508	0.519		2.2	
Benzo (a) anthracene	1.279	1.262		-1.3	
Chrysene	1.212	1.194		-1.5	
Bis(2-ethylhexyl)phthalate	0.820	0.906		10.5	
Di-n-octyl phthalate	1.445	1.569		8.6	20.0
Benzo (b) fluoranthene	1.145	1.151		0.5	
Benzo (k) fluoranthene	1.165	1.135		-2.6	
Benzo (a) pyrene	1.118	1.119		0.1	20.0
Indeno (1,2,3-cd) pyrene	1.459	1.445		-1.0	
Dibenzo (a,h) anthracene	1.188	1.179		-0.8	
Benzo (g,h,i) perylene	1.179	1.134		-3.8	
1,2,4,5-Tetrachlorobenzene	0.568	0.568		0.0	
1,4-Dioxane	0.527	0.493		-6.5	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.377		3.3	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_P Calibration Date/Time: 06/11/2025 10:09

Lab File ID: BP024905.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.226		2.3	
Benzaldehyde	0.914	0.937		2.5	
Phenol-d6	1.585	1.563		-1.4	
Phenol	1.634	1.618		-1.0	20.0
bis(2-Chloroethyl)ether	1.285	1.265		-1.6	
2-Chlorophenol	1.358	1.365		0.5	
2-Methylphenol	1.141	1.112		-2.5	
2,2-oxybis(1-Chloropropane)	1.682	1.580		-6.1	
Acetophenone	0.505	0.502		-0.6	
3+4-Methylphenols	1.557	1.486		-4.6	
n-Nitroso-di-n-propylamine	1.078	1.023	0.050	-5.1	
Nitrobenzene-d5	0.412	0.408		-1.0	
Hexachloroethane	0.576	0.549		-4.7	
Nitrobenzene	0.366	0.359		-1.9	
Isophorone	0.713	0.698		-2.1	
2-Nitrophenol	0.180	0.190		5.6	20.0
2,4-Dimethylphenol	0.309	0.313		1.3	
bis(2-Chloroethoxy)methane	0.426	0.416		-2.3	
2,4-Dichlorophenol	0.296	0.307		3.7	20.0
Naphthalene	1.025	1.019		-0.6	
4-Chloroaniline	0.429	0.431		0.5	
Hexachlorobutadiene	0.201	0.207		3.0	20.0
Caprolactam	0.109	0.111		1.8	
4-Chloro-3-methylphenol	0.342	0.342		0.0	20.0
2-Methylnaphthalene	0.650	0.650		0.0	
Hexachlorocyclopentadiene	0.346	0.317	0.050	-8.4	
2,4,6-Trichlorophenol	0.381	0.394		3.4	20.0
2-Fluorobiphenyl	1.485	1.486		0.1	
2,4,5-Trichlorophenol	0.408	0.432		5.9	
1,1-Biphenyl	1.453	1.472		1.3	
2-Chloronaphthalene	1.117	1.114		-0.3	
2-Nitroaniline	0.343	0.347		1.2	
Dimethylphthalate	1.475	1.466		-0.6	
Acenaphthylene	1.863	1.851		-0.6	
2,6-Dinitrotoluene	0.318	0.317		-0.3	
3-Nitroaniline	0.330	0.352		6.7	
Acenaphthene	1.067	1.048		-1.8	20.0
2,4-Dinitrophenol	0.178	0.185	0.050	3.9	
4-Nitrophenol	0.239	0.237	0.050	-0.8	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_P Calibration Date/Time: 06/11/2025 10:09

Lab File ID: BP024905.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.713	1.692		-1.2	
2,4-Dinitrotoluene	0.445	0.460		3.4	
Diethylphthalate	1.470	1.506		2.4	
4-Chlorophenyl-phenylether	0.677	0.684		1.0	
Fluorene	1.384	1.387		0.2	
4-Nitroaniline	0.299	0.338		13.0	
4,6-Dinitro-2-methylphenol	0.131	0.133		1.5	
n-Nitrosodiphenylamine	0.620	0.603		-2.7	20.0
2,4,6-Tribromophenol	0.277	0.297		7.2	
4-Bromophenyl-phenylether	0.226	0.229		1.3	
Hexachlorobenzene	0.274	0.274		0.0	
Atrazine	0.225	0.226		0.4	
Pentachlorophenol	0.142	0.157		10.6	20.0
Phenanthrene	1.105	1.060		-4.1	
Anthracene	1.119	1.107		-1.1	
Carbazole	1.038	1.030		-0.8	
Di-n-butylphthalate	1.285	1.322		2.9	
Fluoranthene	1.281	1.260		-1.6	20.0
Pyrene	1.249	1.242		-0.6	
Terphenyl-d14	1.116	1.127		1.0	
Butylbenzylphthalate	0.572	0.609		6.5	
3,3-Dichlorobenzidine	0.508	0.535		5.3	
Benzo (a) anthracene	1.279	1.276		-0.2	
Chrysene	1.212	1.188		-2.0	
Bis(2-ethylhexyl)phthalate	0.820	0.891		8.7	
Di-n-octyl phthalate	1.445	1.536		6.3	20.0
Benzo (b) fluoranthene	1.145	1.113		-2.8	
Benzo (k) fluoranthene	1.165	1.124		-3.5	
Benzo (a) pyrene	1.118	1.098		-1.8	20.0
Indeno (1,2,3-cd) pyrene	1.459	1.454		-0.3	
Dibenzo (a,h) anthracene	1.188	1.198		0.8	
Benzo (g,h,i) perylene	1.179	1.152		-2.3	
1,2,4,5-Tetrachlorobenzene	0.568	0.573		0.9	
1,4-Dioxane	0.527	0.507		-3.8	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.375		2.7	

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
 Data File : BP024895.D
 Acq On : 10 Jun 2025 15:46
 Operator : RC/JU
 Sample : Q2177-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-187-SB01

Quant Time: Jun 10 16:31:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

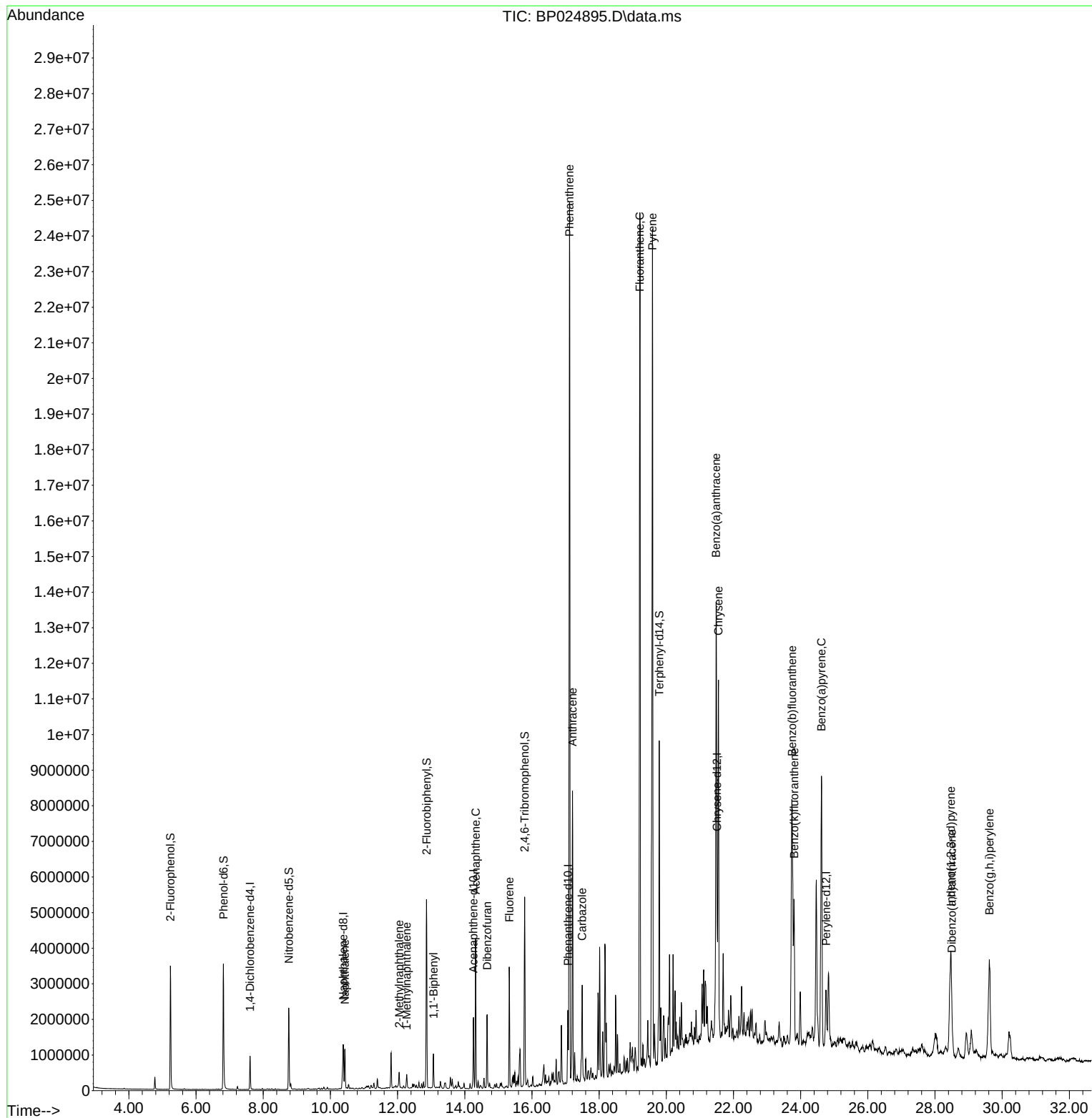
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	259952	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1064328	20.000	ng	0.00
39) Acenaphthene-d10	14.260	164	672188	20.000	ng	0.01
64) Phenanthrene-d10	17.072	188	1296135	20.000	ng	0.01
76) Chrysene-d12	21.507	240	1315798	20.000	ng	0.02
86) Perylene-d12	24.760	264	1598305	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1643118	105.508	ng	0.00
7) Phenol-d6	6.813	99	2167494	105.191	ng	0.00
23) Nitrobenzene-d5	8.760	82	1358331	62.016	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	1038010	111.694	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	2956910	59.259	ng	0.00
79) Terphenyl-d14	19.789	244	4128556	56.235	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.431	128	886539	16.254	ng	99
37) 2-Methylnaphthalene	12.048	142	222518	6.432	ng	99
38) 1-Methylnaphthalene	12.272	142	176000	4.758	ng	100
46) 1,1'-Biphenyl	13.072	154	126040	2.580	ng	99
52) Acenaphthene	14.325	154	1406501	39.209	ng	99
55) Dibenzofuran	14.666	168	1281218	22.250	ng	99
58) Fluorene	15.325	166	1366591	29.379	ng	99
71) Phenanthrene	17.113	178	16031932	223.828	ng	93
72) Anthracene	17.207	178	5026222	69.288	ng	99
73) Carbazole	17.495	167	1759204	26.164	ng	100
75) Fluoranthene	19.213	202	17139546	206.456	ng	90
78) Pyrene	19.583	202	15441651	187.846	ng	# 92
81) Benzo(a)anthracene	21.483	228	8125938	96.558	ng	98
83) Chrysene	21.554	228	6757136	84.740	ng	96
87) Indeno(1,2,3-cd)pyrene	28.471	276	5049444	43.300	ng	95
88) Benzo(b)fluoranthene	23.742	252	9105161	99.541	ng	98
89) Benzo(k)fluoranthene	23.807	252	3188599	34.246	ng	97
90) Benzo(a)pyrene	24.618	252	7622631	85.331	ng	97
91) Dibenzo(a,h)anthracene	28.501	278	1152183	12.138	ng	# 93
92) Benzo(g,h,i)perylene	29.618	276	4866832	51.675	ng	100

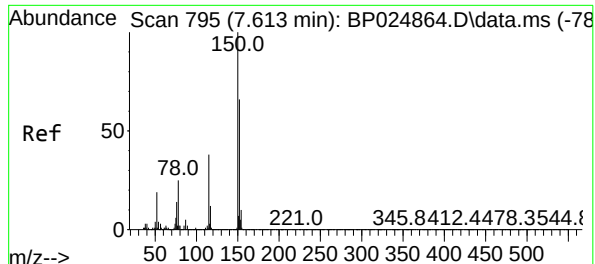
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Time: Jun 10 16:31:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

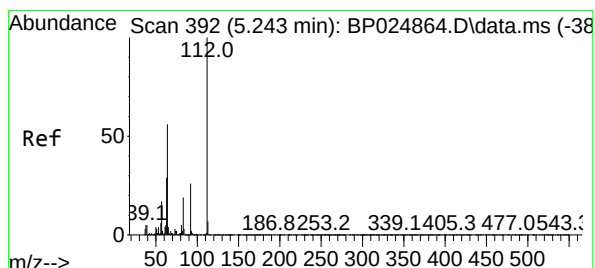
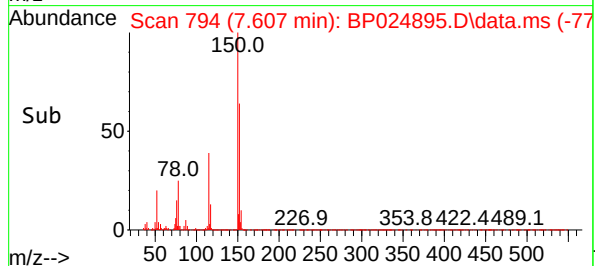
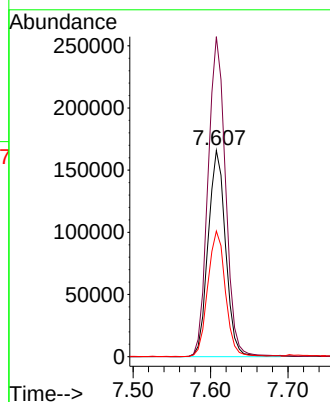
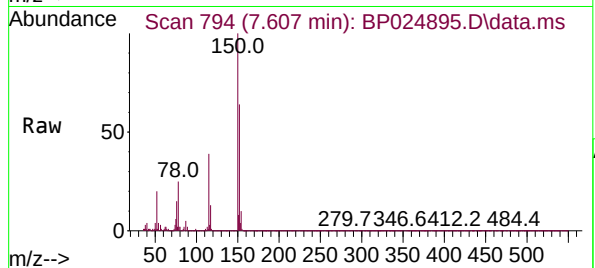




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.607 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BP024895.D
 Acq: 10 Jun 2025 15:46

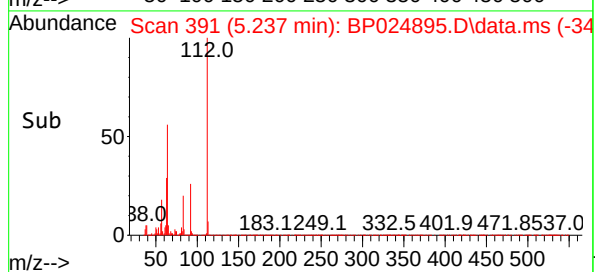
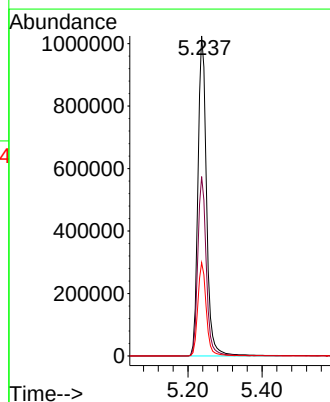
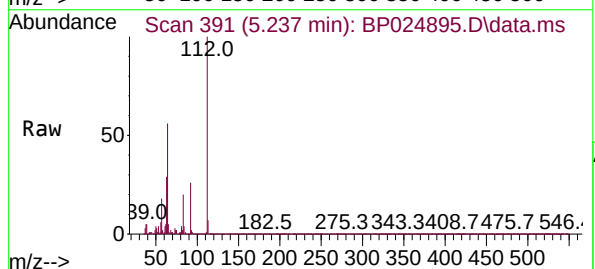
Instrument :
 BNA_P
 ClientSampleId :
 B-187-SB01

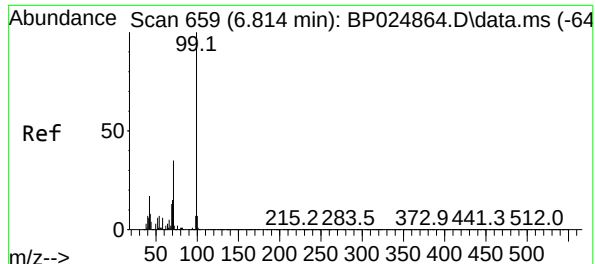
Tgt Ion:152 Resp: 259952
 Ion Ratio Lower Upper
 152 100
 150 155.1 122.1 183.1
 115 60.9 46.4 69.6



#5
 2-Fluorophenol
 Concen: 105.508 ng
 RT: 5.237 min Scan# 391
 Delta R.T. -0.006 min
 Lab File: BP024895.D
 Acq: 10 Jun 2025 15:46

Tgt Ion:112 Resp: 1643118
 Ion Ratio Lower Upper
 112 100
 64 56.1 44.7 67.1
 63 29.2 23.5 35.3

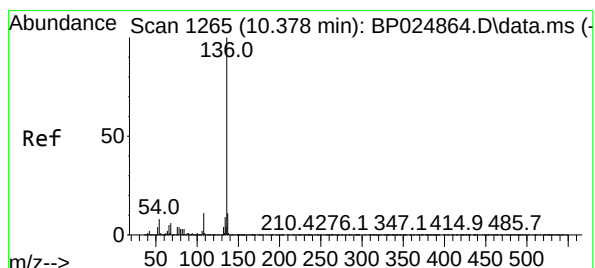
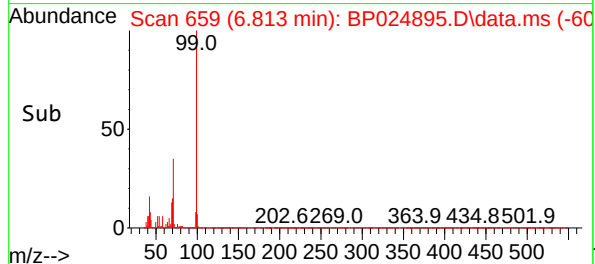
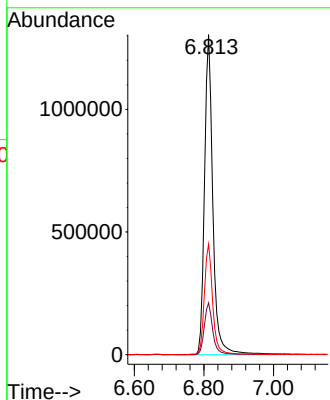
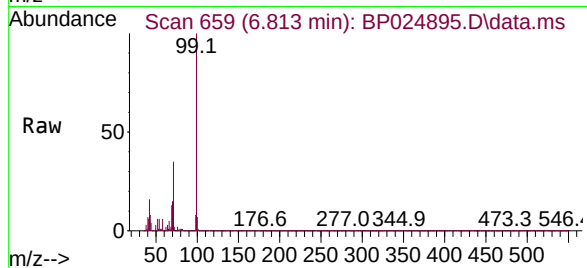




#7
Phenol-d6
Concen: 105.191 ng
RT: 6.813 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

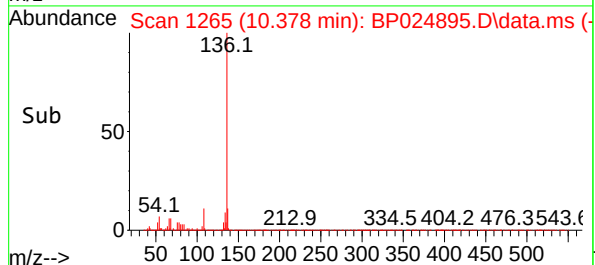
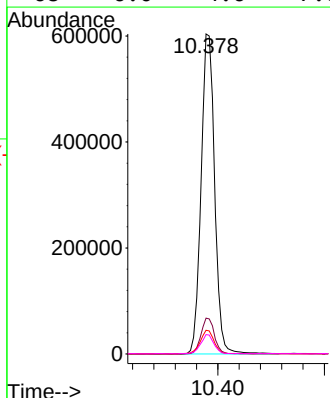
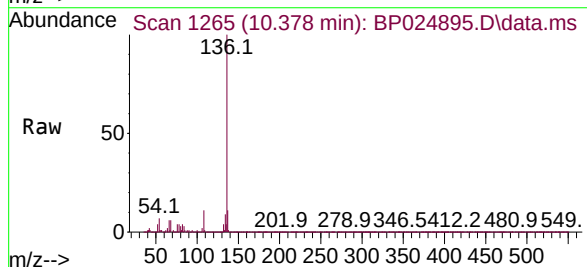
Instrument :
BNA_P
ClientSampleId :
B-187-SB01

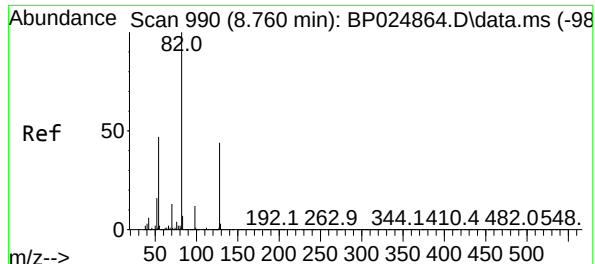
Tgt Ion: 99 Resp: 2167494
Ion Ratio Lower Upper
99 100
42 16.2 13.4 20.2
71 34.5 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion: 136 Resp: 1064328
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.4 6.1 9.1
68 6.0 4.6 7.0





#23

Nitrobenzene-d5

Concen: 62.016 ng

RT: 8.760 min Scan# 990

Delta R.T. -0.000 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

Instrument :

BNA_P

ClientSampleId :

B-187-SB01

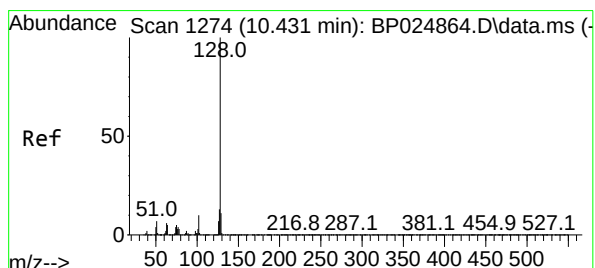
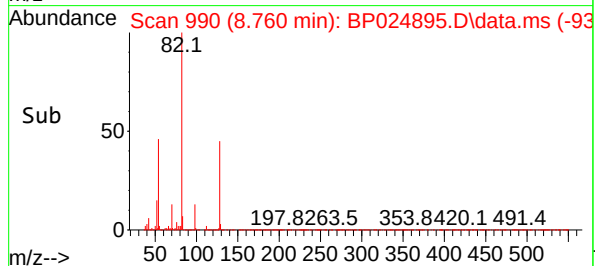
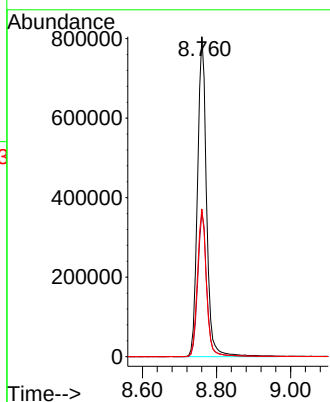
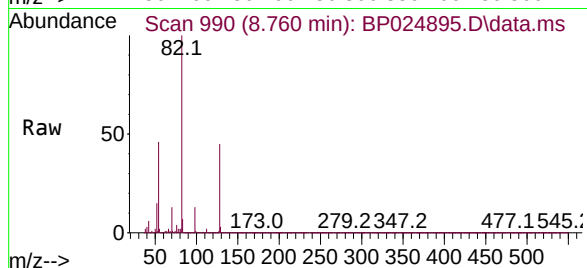
Tgt Ion: 82 Resp: 1358331

Ion Ratio Lower Upper

82 100

128 45.2 35.3 52.9

54 46.1 37.4 56.0



#31

Naphthalene

Concen: 16.254 ng

RT: 10.431 min Scan# 1274

Delta R.T. -0.000 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

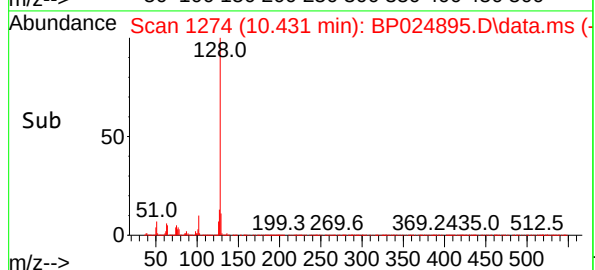
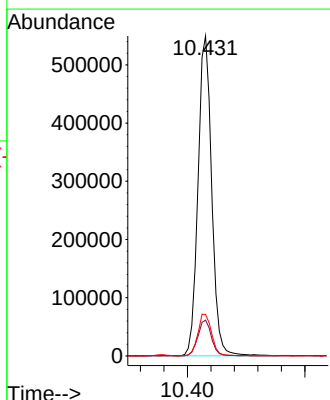
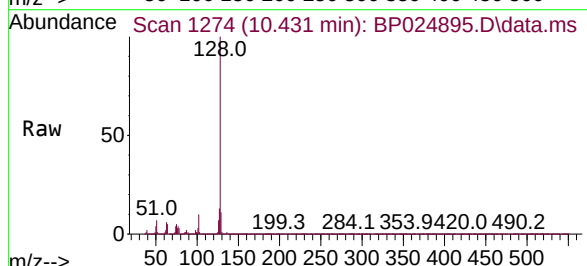
Tgt Ion:128 Resp: 886539

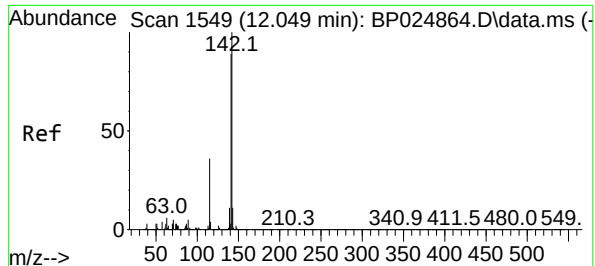
Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

127 13.0 10.7 16.1

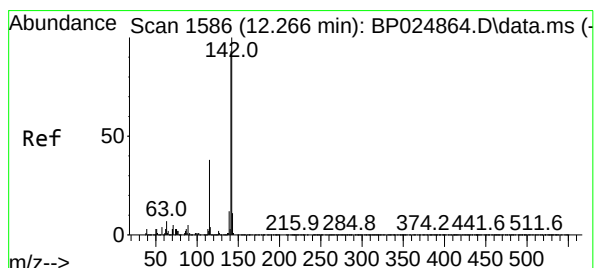
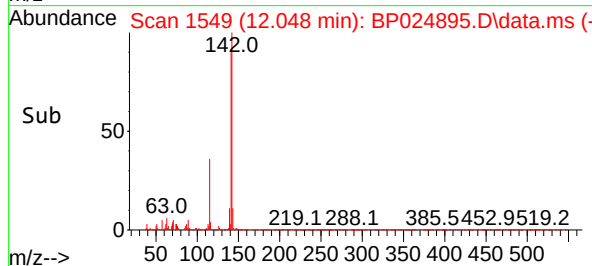
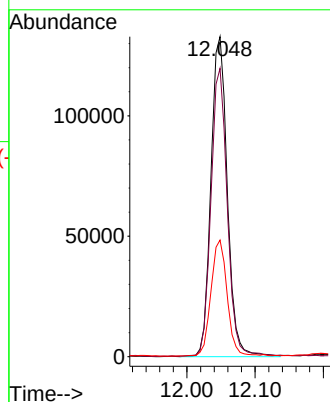
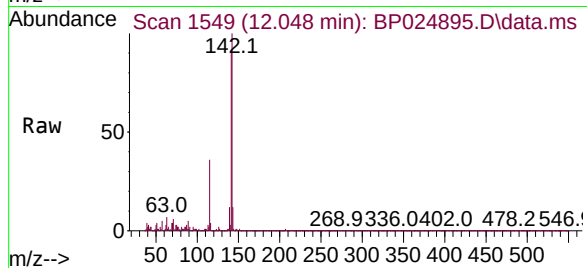




#37
2-Methylnaphthalene
Concen: 6.432 ng
RT: 12.048 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

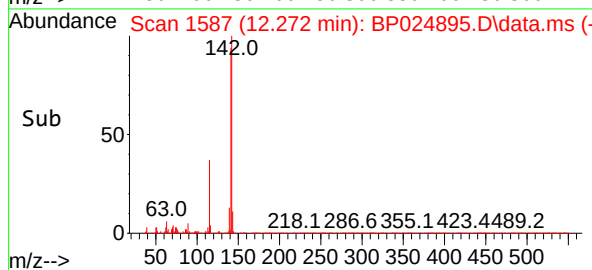
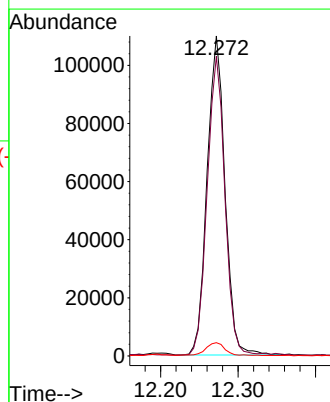
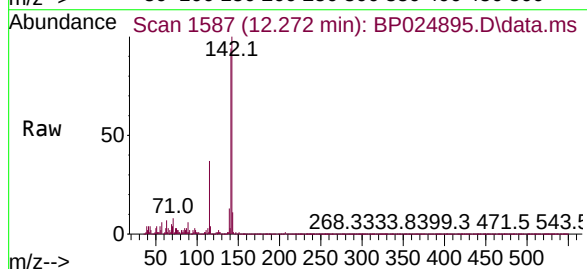
Instrument :
BNA_P
ClientSampleId :
B-187-SB01

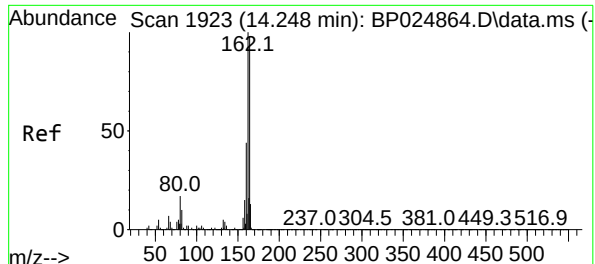
Tgt Ion:142 Resp: 222518
Ion Ratio Lower Upper
142 100
141 90.1 71.2 106.8
115 36.4 28.5 42.7



#38
1-Methylnaphthalene
Concen: 4.758 ng
RT: 12.272 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:142 Resp: 176000
Ion Ratio Lower Upper
142 100
141 93.7 74.7 112.1
116 4.2 3.4 5.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.260 min Scan# 1923

Delta R.T. 0.012 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

Instrument :

BNA_P

ClientSampleId :

B-187-SB01

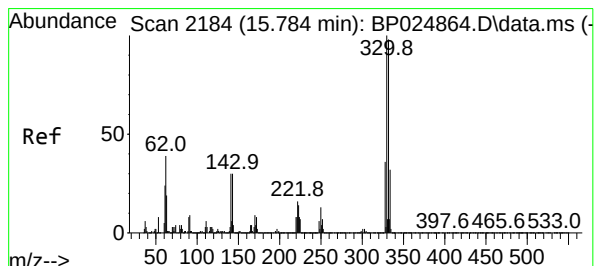
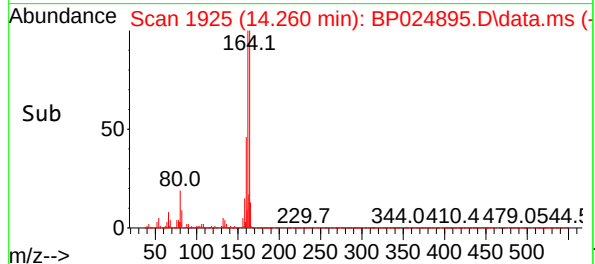
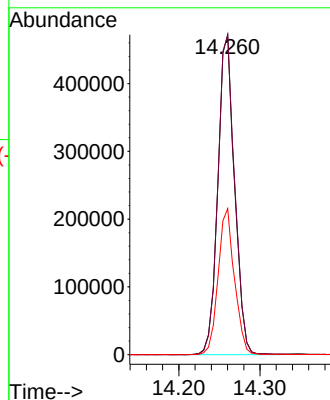
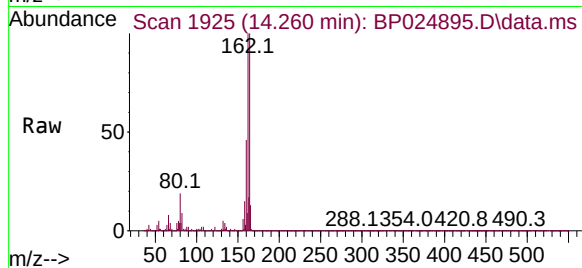
Tgt Ion:164 Resp: 672188

Ion Ratio Lower Upper

164 100

162 99.8 81.6 122.4

160 45.7 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 111.694 ng

RT: 15.784 min Scan# 2184

Delta R.T. -0.000 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

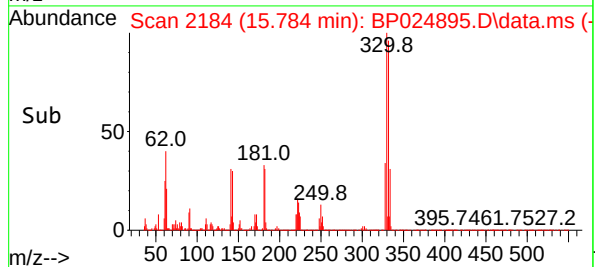
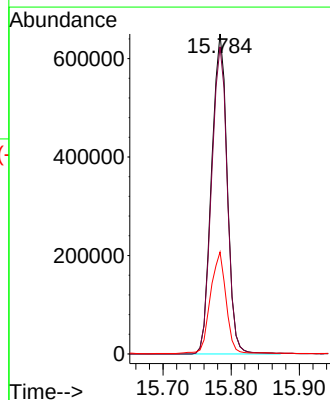
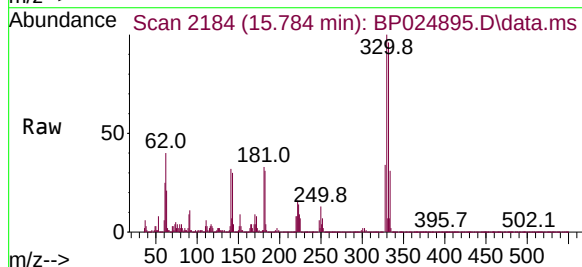
Tgt Ion:330 Resp: 1038010

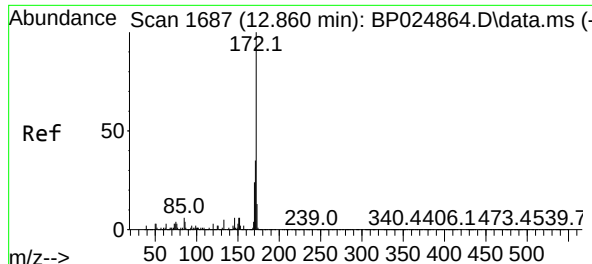
Ion Ratio Lower Upper

330 100

332 96.8 77.7 116.5

141 31.4 26.4 39.6





#45

2-Fluorobiphenyl

Concen: 59.259 ng

RT: 12.860 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

Instrument :

BNA_P

ClientSampleId :

B-187-SB01

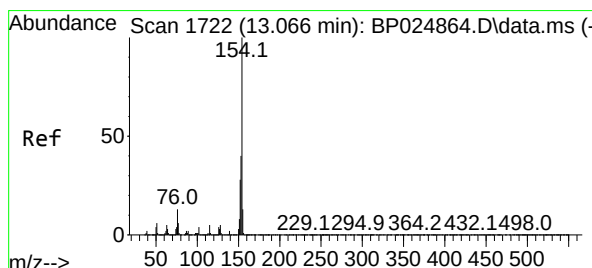
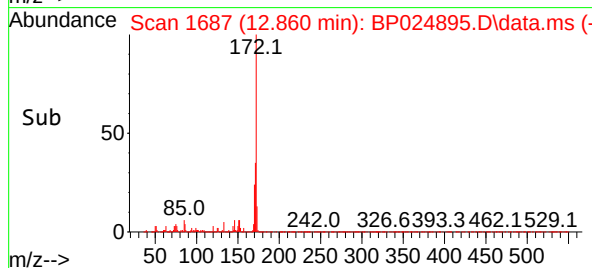
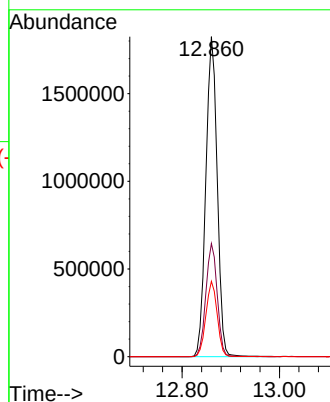
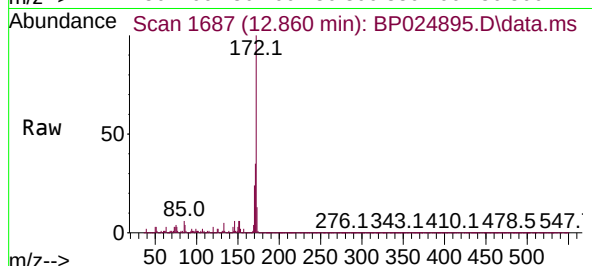
Tgt Ion:172 Resp: 2956910

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.6 19.0 28.4



#46

1,1'-Biphenyl

Concen: 2.580 ng

RT: 13.072 min Scan# 1723

Delta R.T. 0.006 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

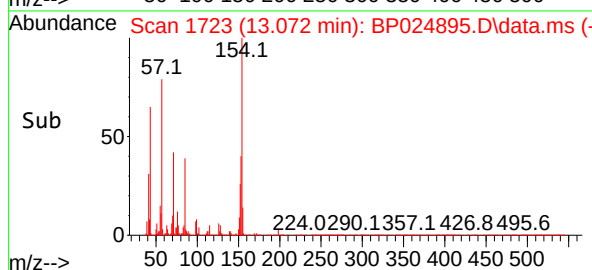
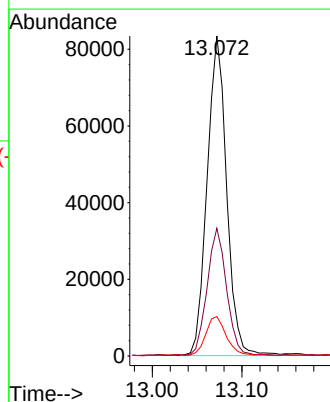
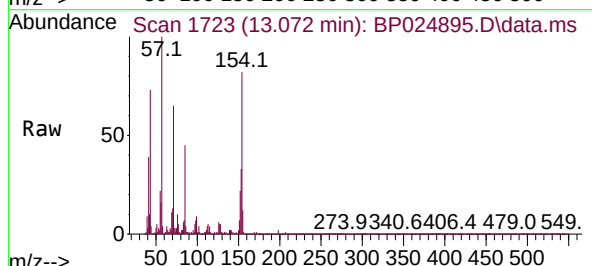
Tgt Ion:154 Resp: 126040

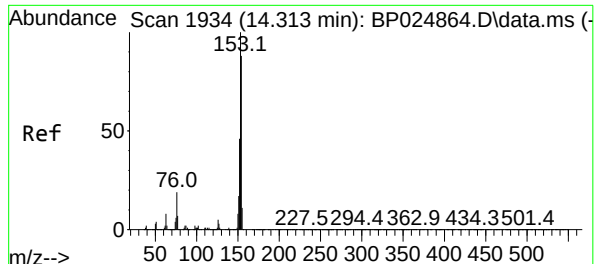
Ion Ratio Lower Upper

154 100

153 39.9 20.3 60.3

76 12.3 0.0 33.0





#52

Acenaphthene

Concen: 39.209 ng

RT: 14.325 min Scan# 1936

Delta R.T. 0.012 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

Instrument :

BNA_P

ClientSampleId :

B-187-SB01

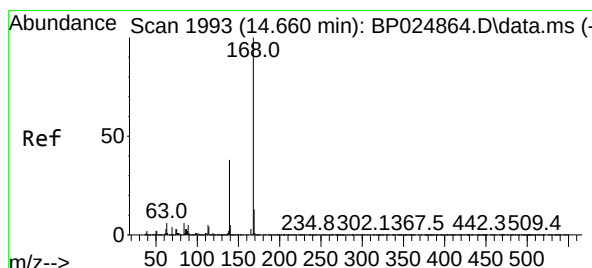
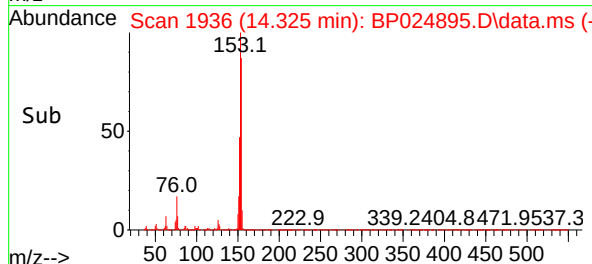
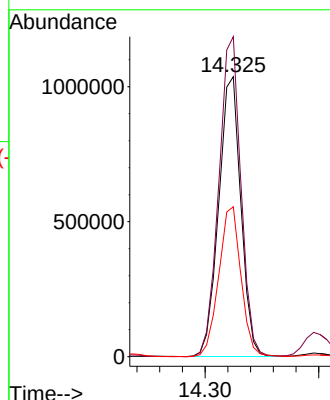
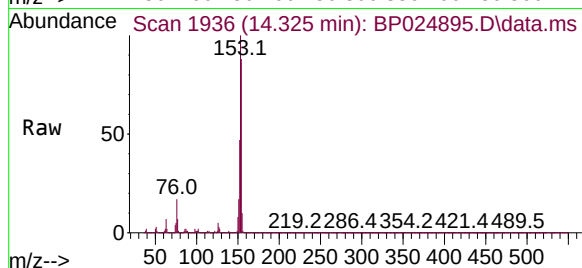
Tgt Ion:154 Resp: 1406501

Ion Ratio Lower Upper

154 100

153 114.3 90.5 135.7

152 53.5 42.1 63.1



#55

Dibenzofuran

Concen: 22.250 ng

RT: 14.666 min Scan# 1994

Delta R.T. 0.006 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

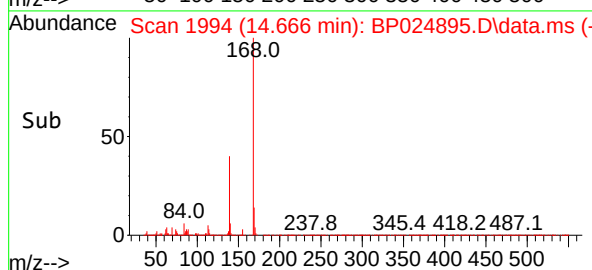
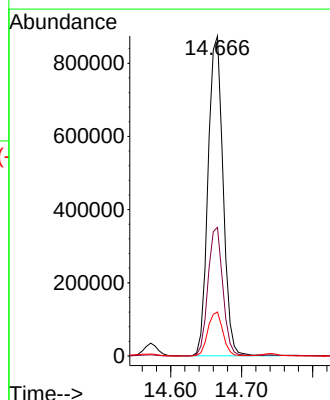
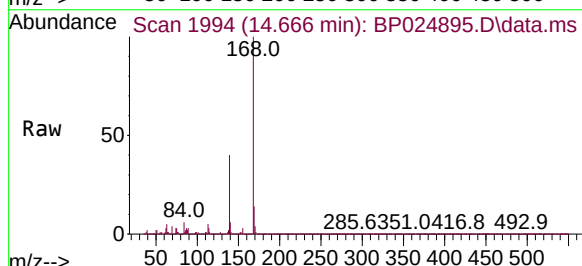
Tgt Ion:168 Resp: 1281218

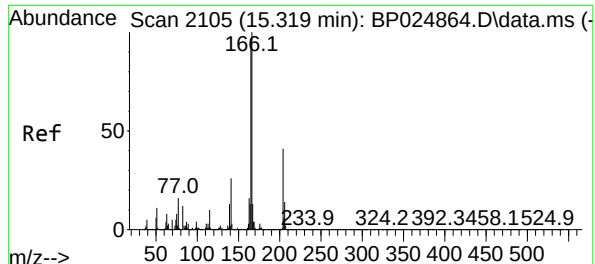
Ion Ratio Lower Upper

168 100

139 40.2 31.6 47.4

169 13.8 10.6 15.8

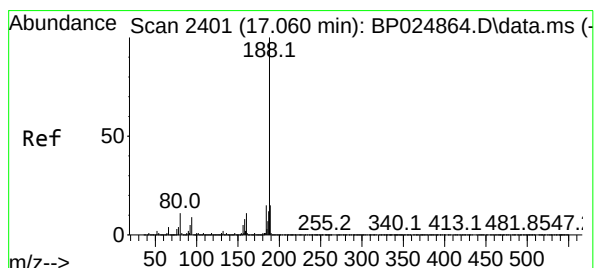
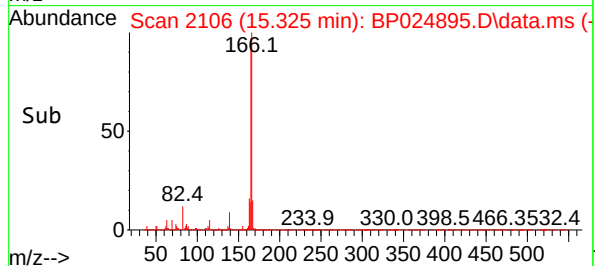
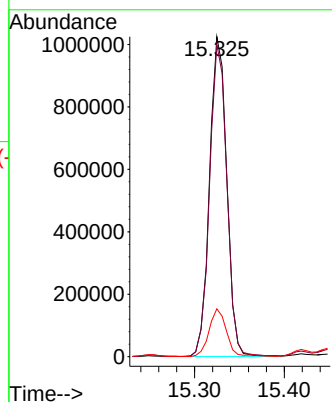
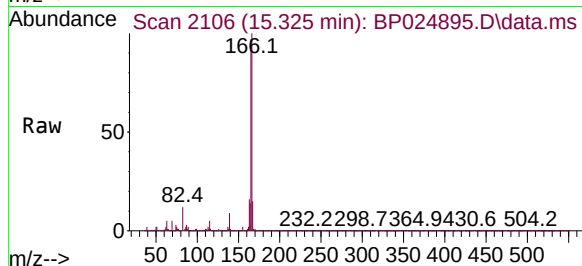




#58
Fluorene
Concen: 29.379 ng
RT: 15.325 min Scan# 2105
Delta R.T. 0.006 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

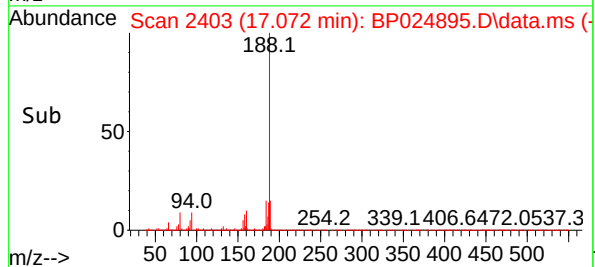
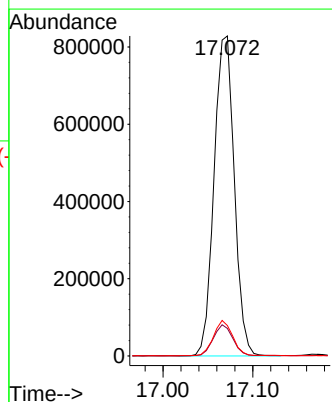
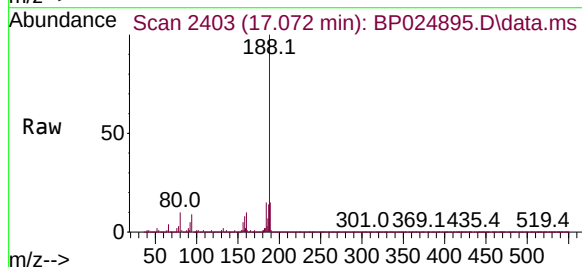
Instrument :
BNA_P
ClientSampleId :
B-187-SB01

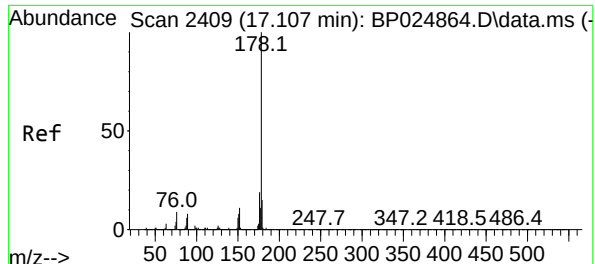
Tgt Ion:166 Resp: 1366591
Ion Ratio Lower Upper
166 100
165 97.5 77.7 116.5
167 15.0 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.072 min Scan# 2403
Delta R.T. 0.012 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:188 Resp: 1296135
Ion Ratio Lower Upper
188 100
94 8.6 7.3 10.9
80 9.5 8.5 12.7

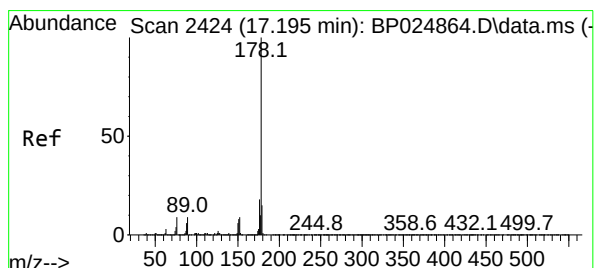
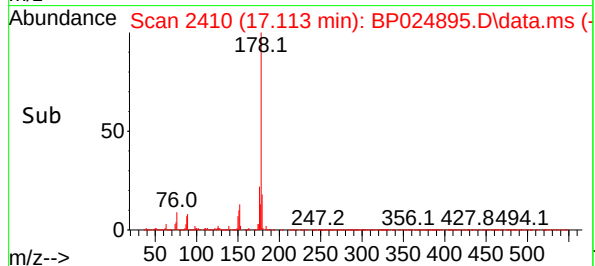
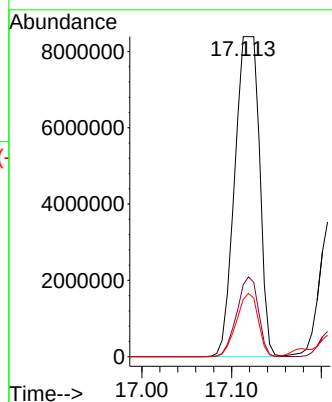
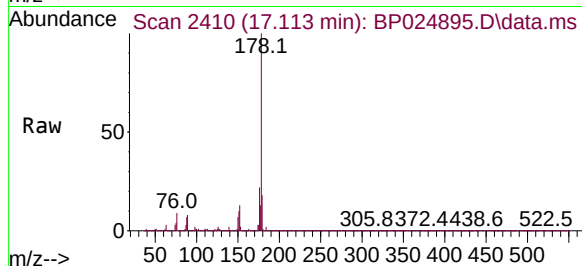




#71
Phenanthrene
Concen: 223.828 ng
RT: 17.113 min Scan# 2410
Delta R.T. 0.006 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

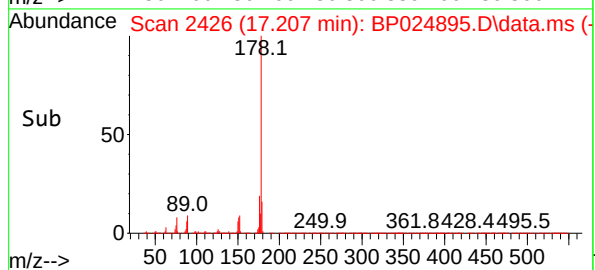
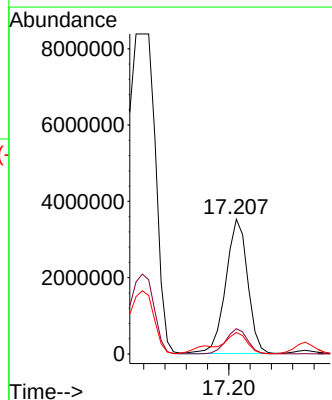
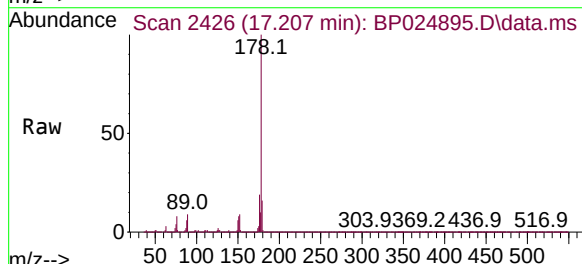
Instrument :
BNA_P
ClientSampleId :
B-187-SB01

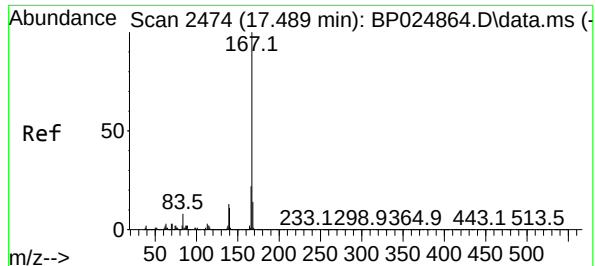
Tgt Ion:178 Resp:16031932
Ion Ratio Lower Upper
178 100
176 22.5 15.3 22.9
179 17.9 12.1 18.1



#72
Anthracene
Concen: 69.288 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.012 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:178 Resp: 5026222
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.9 12.3 18.5





#73

Carbazole

Concen: 26.164 ng

RT: 17.495 min Scan# 24

Delta R.T. 0.006 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

Instrument :

BNA_P

ClientSampleId :

B-187-SB01

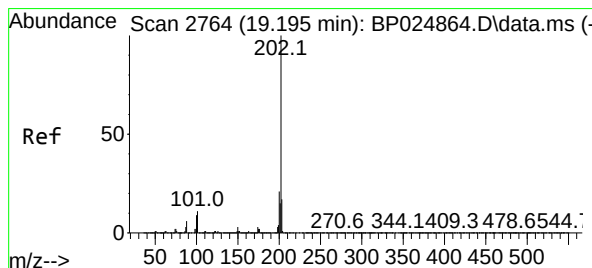
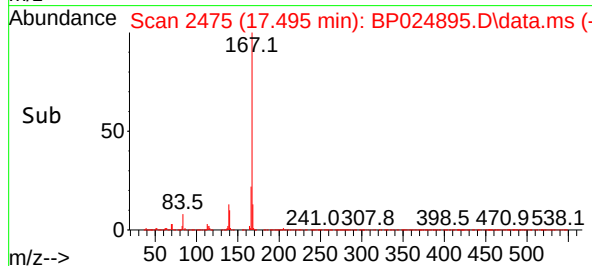
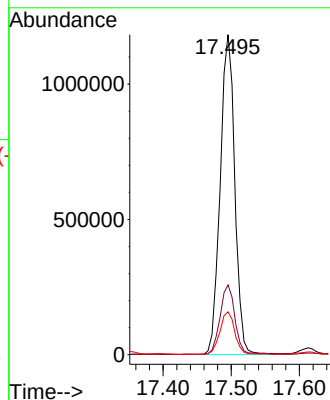
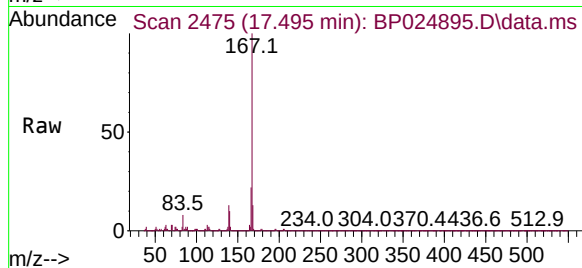
Tgt Ion:167 Resp: 1759204

Ion Ratio Lower Upper

167 100

166 21.8 17.3 25.9

139 13.4 10.8 16.2



#75

Fluoranthene

Concen: 206.456 ng

RT: 19.213 min Scan# 2767

Delta R.T. 0.018 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

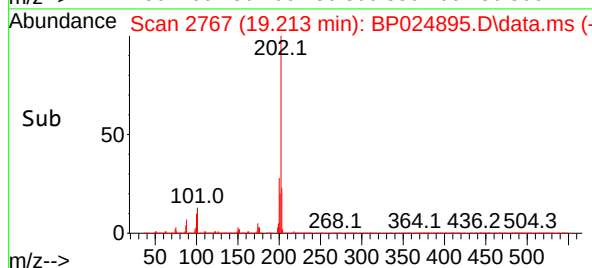
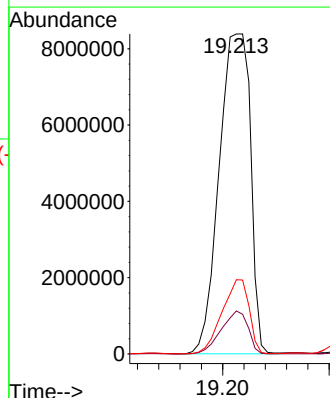
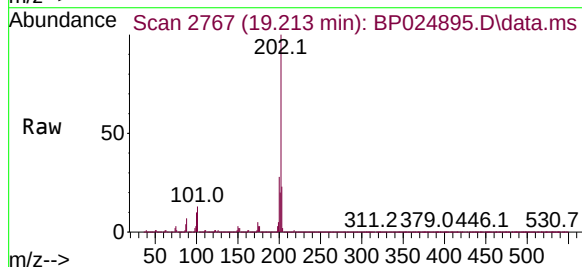
Tgt Ion:202 Resp:17139546

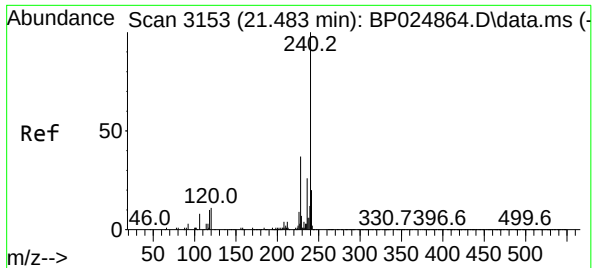
Ion Ratio Lower Upper

202 100

101 13.5 0.0 31.4

203 23.2 0.0 37.5

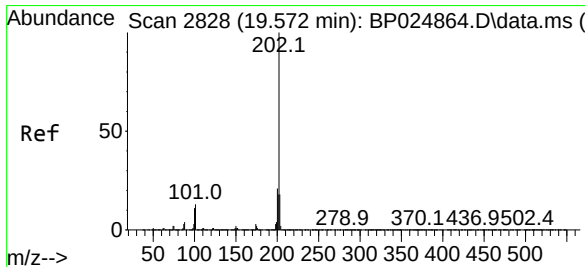
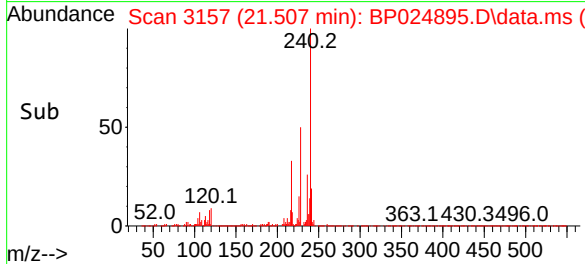
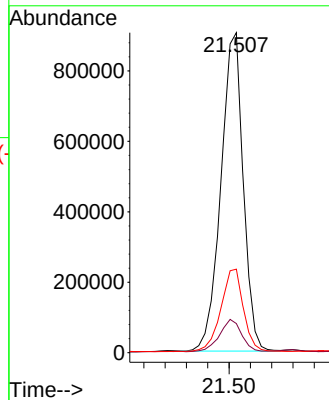
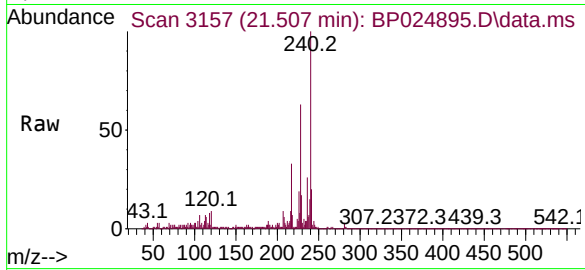




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.507 min Scan# 3153
Delta R.T. 0.023 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

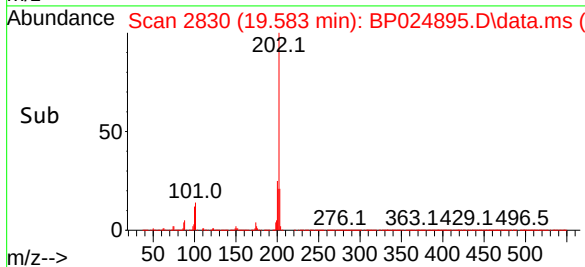
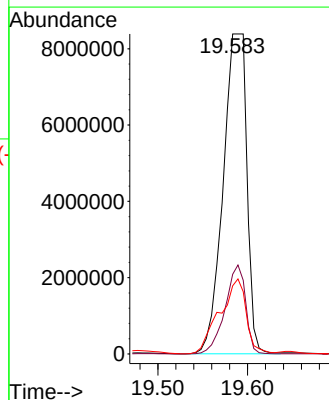
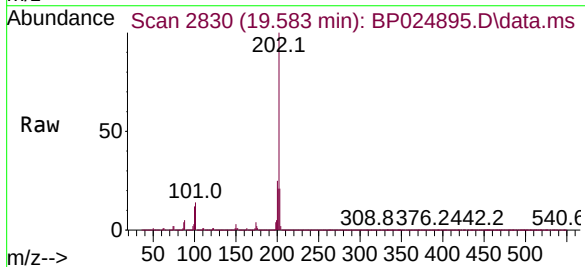
Instrument :
BNA_P
ClientSampleId :
B-187-SB01

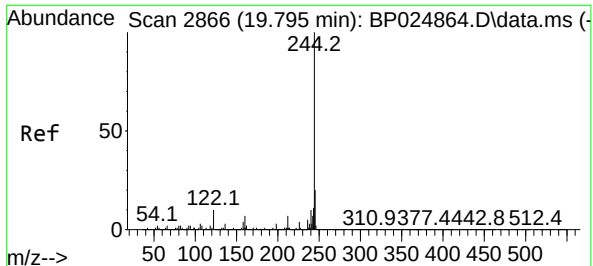
Tgt Ion:240 Resp: 1315798
Ion Ratio Lower Upper
240 100
120 9.1 8.9 13.3
236 26.1 20.9 31.3



#78
Pyrene
Concen: 187.846 ng
RT: 19.583 min Scan# 2830
Delta R.T. 0.012 min
Lab File: BP024895.D
Acq: 10 Jun 2025 15:46

Tgt Ion:202 Resp:15441651
Ion Ratio Lower Upper
202 100
200 24.9 17.1 25.7
203 21.3 14.0 21.0#

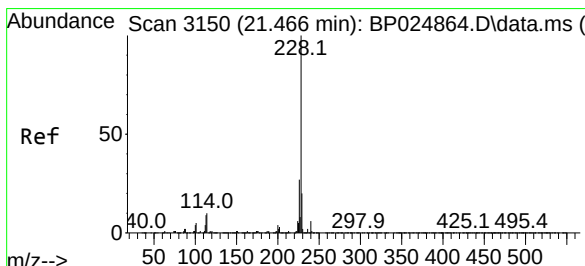
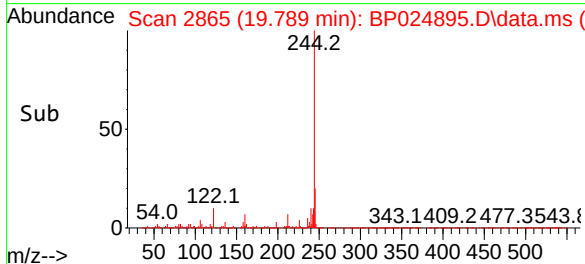
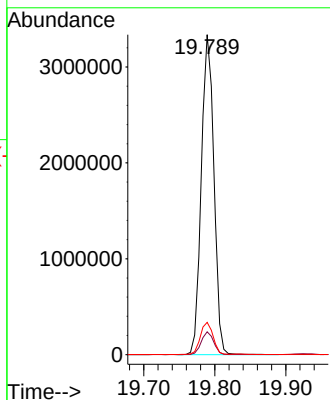
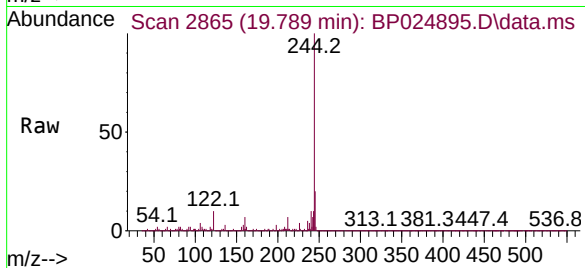




#79
 Terphenyl-d14
 Concen: 56.235 ng
 RT: 19.789 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP024895.D
 Acq: 10 Jun 2025 15:46

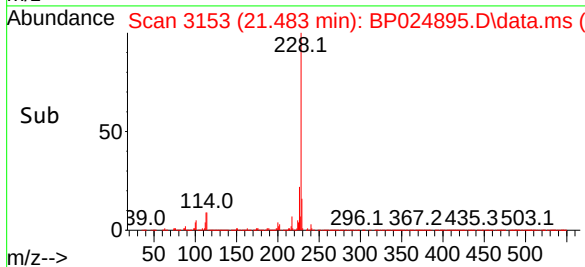
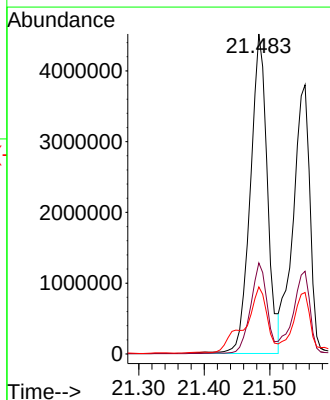
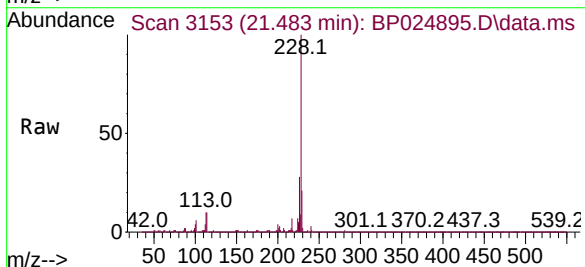
Instrument :
 BNA_P
 ClientSampleId :
 B-187-SB01

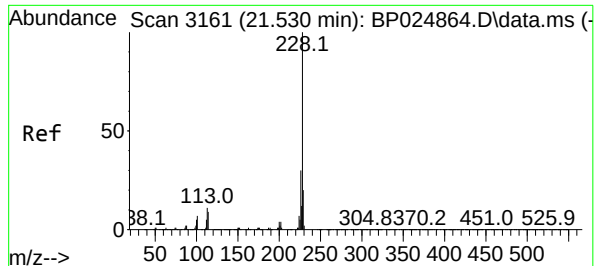
Tgt Ion:244 Resp: 4128556
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 10.1 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 96.558 ng
 RT: 21.483 min Scan# 3153
 Delta R.T. 0.018 min
 Lab File: BP024895.D
 Acq: 10 Jun 2025 15:46

Tgt Ion:228 Resp: 8125938
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.1 33.1
 229 21.0 15.9 23.9





#83

Chrysene

Concen: 84.740 ng

RT: 21.554 min Scan# 31

Delta R.T. 0.023 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

Instrument :

BNA_P

ClientSampleId :

B-187-SB01

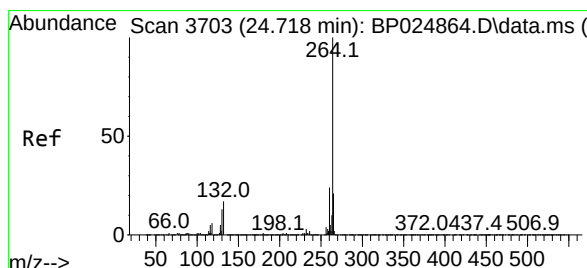
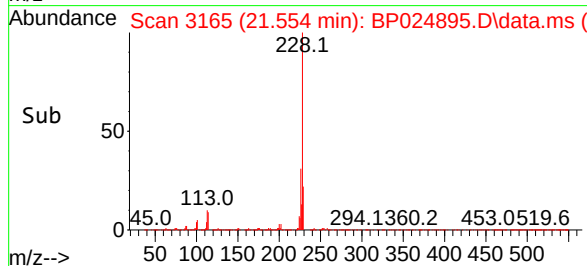
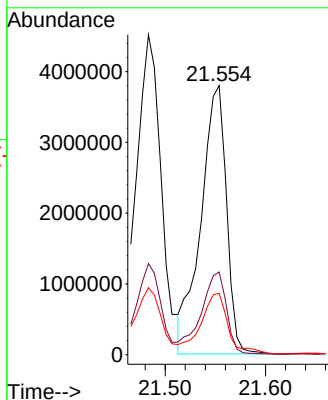
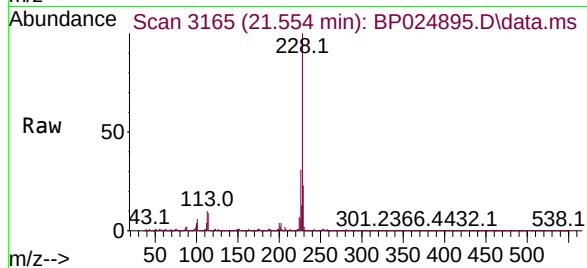
Tgt Ion:228 Resp: 6757136

Ion Ratio Lower Upper

228 100

226 30.7 23.8 35.6

229 22.9 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.760 min Scan# 3710

Delta R.T. 0.041 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

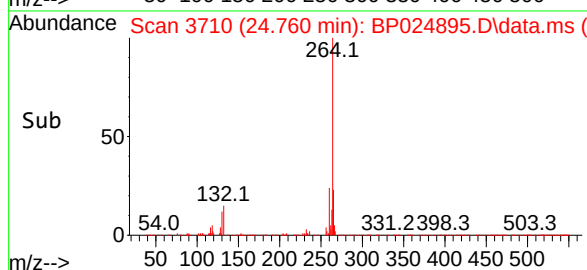
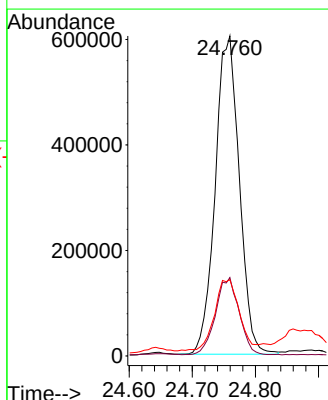
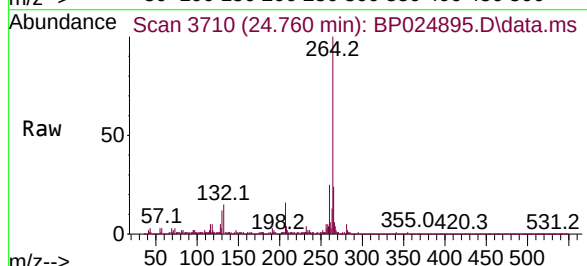
Tgt Ion:264 Resp: 1598305

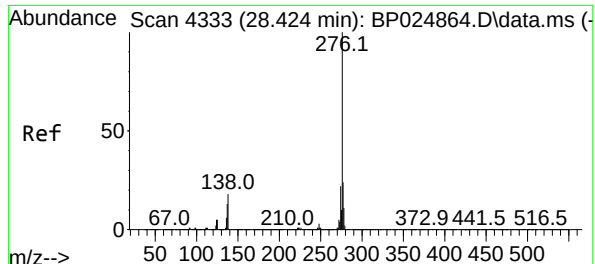
Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.4

265 23.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.300 ng

RT: 28.471 min Scan# 41

Delta R.T. 0.047 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

Instrument :

BNA_P

ClientSampleId :

B-187-SB01

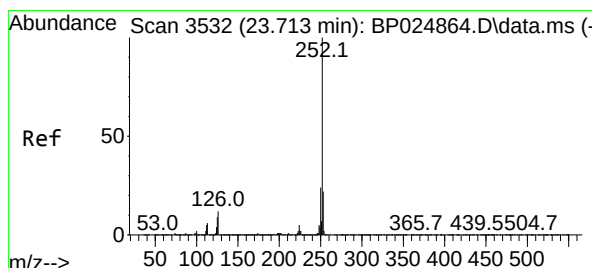
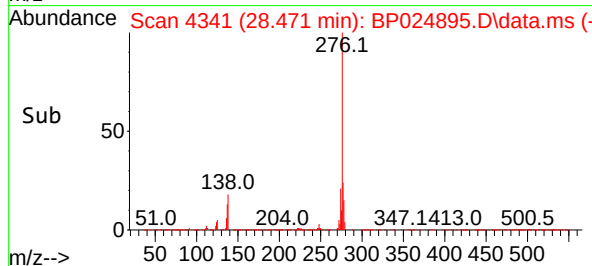
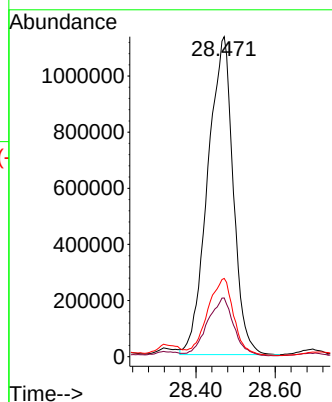
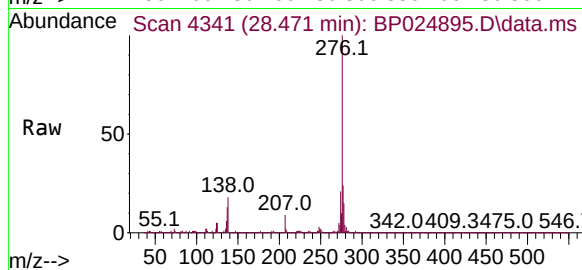
Tgt Ion:276 Resp: 5049444

Ion Ratio Lower Upper

276 100

138 18.9 18.6 27.8

277 25.0 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 99.541 ng

RT: 23.742 min Scan# 3537

Delta R.T. 0.029 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

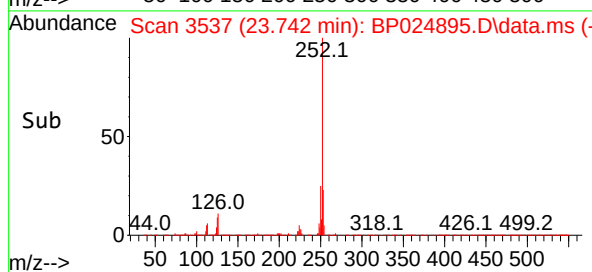
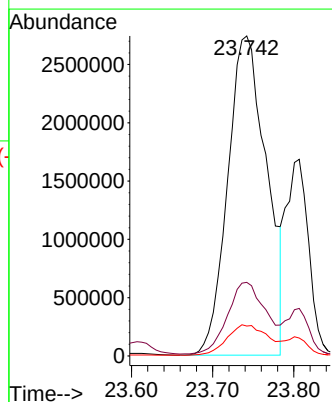
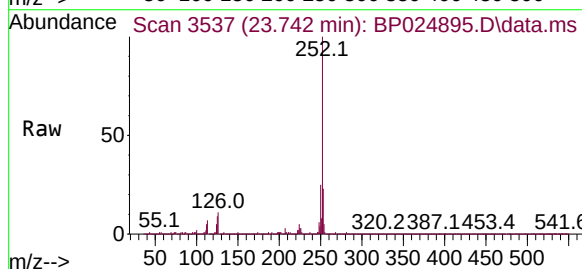
Tgt Ion:252 Resp: 9105161

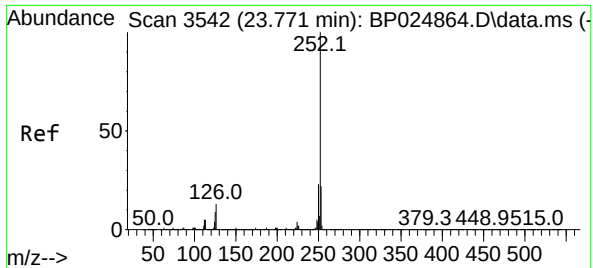
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 9.4 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 34.246 ng

RT: 23.807 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

Instrument :

BNA_P

ClientSampleId :

B-187-SB01

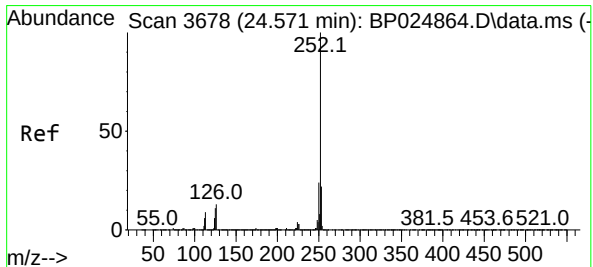
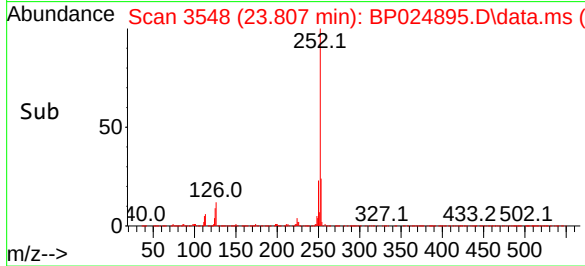
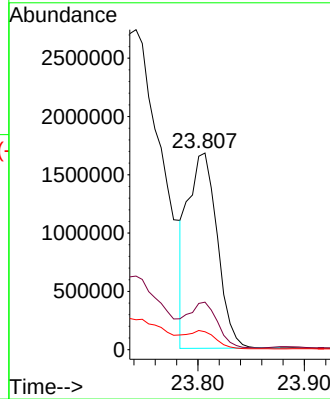
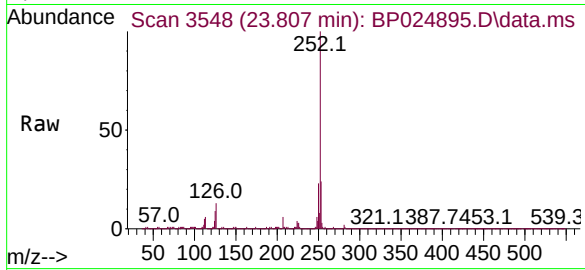
Tgt Ion:252 Resp: 3188599

Ion Ratio Lower Upper

252 100

253 24.2 17.7 26.5

125 9.1 7.4 11.0



#90

Benzo(a)pyrene

Concen: 85.331 ng

RT: 24.618 min Scan# 3686

Delta R.T. 0.047 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

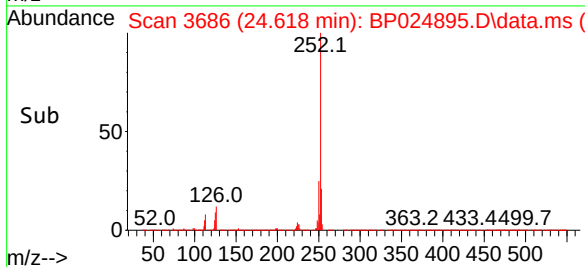
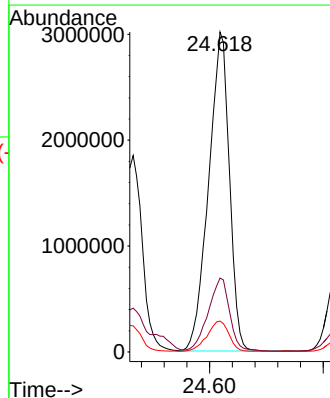
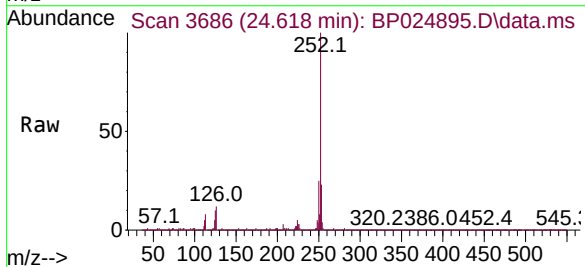
Tgt Ion:252 Resp: 7622631

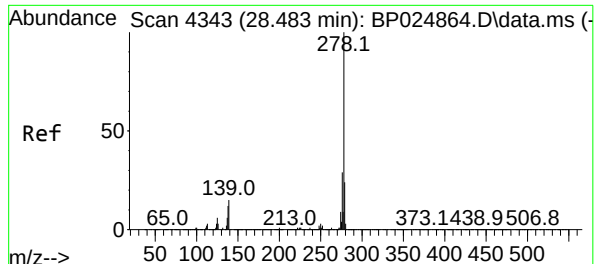
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 9.6 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 12.138 ng

RT: 28.501 min Scan# 41

Delta R.T. 0.018 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

Instrument :

BNA_P

ClientSampleId :

B-187-SB01

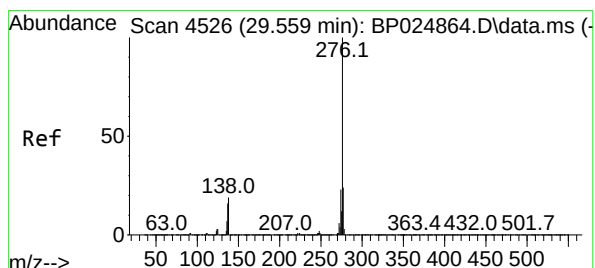
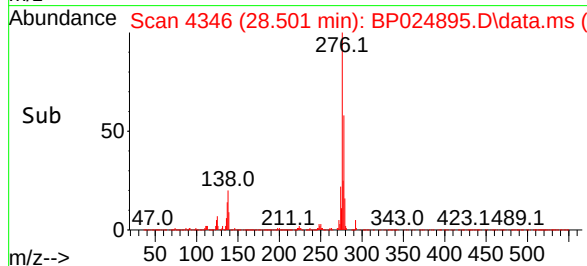
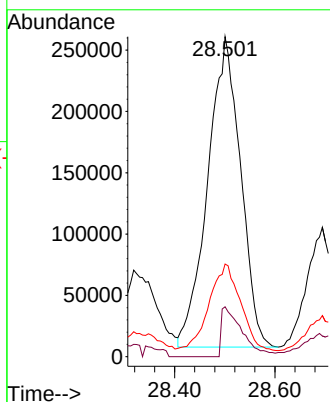
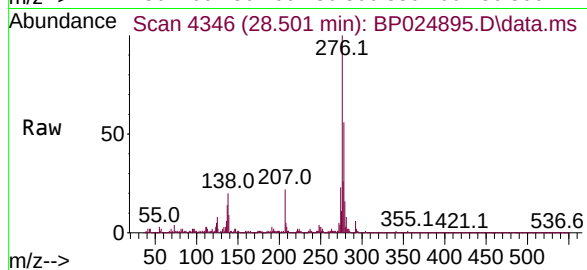
Tgt Ion:278 Resp: 1152183

Ion Ratio Lower Upper

278 100

139 15.6 12.0 18.0

279 28.9 19.1 28.7#



#92

Benzo(g,h,i)perylene

Concen: 51.675 ng

RT: 29.618 min Scan# 4536

Delta R.T. 0.059 min

Lab File: BP024895.D

Acq: 10 Jun 2025 15:46

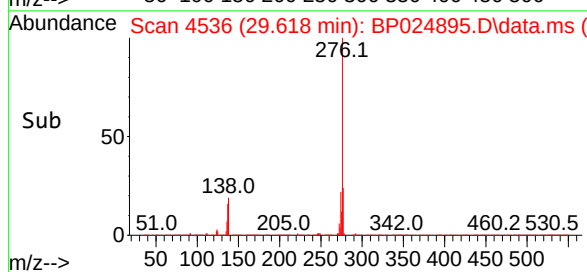
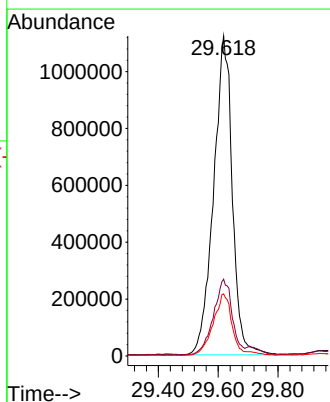
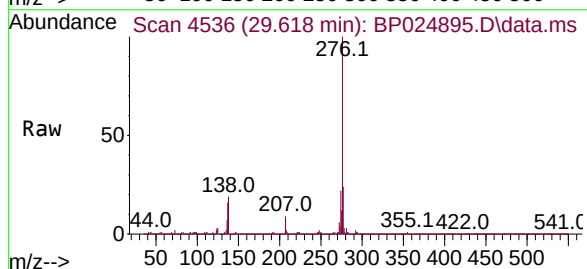
Tgt Ion:276 Resp: 4866832

Ion Ratio Lower Upper

276 100

277 24.0 19.1 28.7

138 19.4 15.4 23.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024895.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.772	306	312	321	rBV	344474	482252	1.06%	0.104%
2	5.237	385	391	412	rBV	3470538	5499794	12.07%	1.188%
3	6.813	653	659	682	rVB	3514733	5832274	12.80%	1.260%
4	7.607	783	794	802	rBV	943058	1513175	3.32%	0.327%
5	8.760	983	990	997	rBV	2287490	3778484	8.29%	0.816%
6	10.378	1254	1265	1270	rBV2	1244172	2781535	6.10%	0.601%
7	10.431	1270	1274	1280	rVB	1097568	1712297	3.76%	0.370%
8	11.807	1499	1508	1515	rBV	991026	1568240	3.44%	0.339%
9	12.048	1539	1549	1555	rVB2	425055	801228	1.76%	0.173%
10	12.272	1578	1587	1594	rBV	386663	692101	1.52%	0.149%
11	12.860	1680	1687	1697	rVB	5293763	8503041	18.66%	1.837%
12	13.066	1715	1722	1734	rVB2	960972	1461430	3.21%	0.316%
13	13.572	1801	1808	1813	rBV	300675	596520	1.31%	0.129%
14	14.260	1916	1925	1930	rBV	1993884	3065673	6.73%	0.662%
15	14.325	1930	1936	1944	rVV	4203389	5855468	12.85%	1.265%
16	14.572	1970	1978	1983	rBV	290874	466186	1.02%	0.101%
17	14.666	1988	1994	2002	rVV	2048141	3134490	6.88%	0.677%
18	15.325	2100	2106	2111	rBV	3393361	4583751	10.06%	0.990%
19	15.448	2124	2127	2130	rVV	324981	499606	1.10%	0.108%
20	15.489	2130	2134	2139	rVB	402089	615709	1.35%	0.133%
21	15.642	2153	2160	2167	rVB2	1053251	2438834	5.35%	0.527%
22	15.784	2173	2184	2191	rBV	5324062	8962708	19.67%	1.936%
23	16.354	2269	2281	2286	rBV3	601158	1538439	3.38%	0.332%
24	16.719	2338	2343	2349	rVB	712492	1006045	2.21%	0.217%
25	16.801	2350	2357	2363	rVV3	357395	936661	2.06%	0.202%
26	16.878	2364	2370	2380	rVB	1648075	2658372	5.83%	0.574%
27	17.066	2397	2402	2405	rBV	2036730	3193754	7.01%	0.690%
28	17.119	2405	2411	2417	rVV	24701911	42068695	92.32%	9.087%
29	17.207	2417	2426	2432	rVV	8156157	12182143	26.73%	2.631%
30	17.272	2432	2437	2442	rVB	790441	1095872	2.40%	0.237%
31	17.495	2465	2475	2488	rVB2	2694080	5166772	11.34%	1.116%
32	17.601	2488	2493	2500	rBV3	621182	1139987	2.50%	0.246%
33	17.683	2500	2507	2512	rVV4	260082	641363	1.41%	0.139%
34	17.754	2513	2519	2525	rVV5	334272	700579	1.54%	0.151%
35	17.966	2549	2555	2559	rBV	2375918	3271275	7.18%	0.707%
36	18.013	2559	2563	2571	rVV	3652037	5433463	11.92%	1.174%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.107	2573	2579	2584	rVB	1276367	2040172	4.48%	0.441%
38	18.172	2584	2590	2595	rBV2	3740687	7012345	15.39%	1.515%
39	18.213	2595	2597	2605	rVB	1523615	1720787	3.78%	0.372%
40	18.289	2606	2610	2614	rBV2	363207	559362	1.23%	0.121%
41	18.489	2640	2644	2649	rVV	2226236	3025889	6.64%	0.654%
42	18.542	2649	2653	2659	rVV	1108467	1680544	3.69%	0.363%
43	18.742	2683	2687	2693	rVB2	434740	710985	1.56%	0.154%
44	18.842	2700	2704	2708	rVB2	405660	527333	1.16%	0.114%
45	18.925	2713	2718	2722	rBV	791090	1411823	3.10%	0.305%
46	19.072	2738	2743	2751	rVB3	652399	1500260	3.29%	0.324%
47	19.213	2759	2767	2772	rBV	24097695	43219412	94.84%	9.335%
48	19.301	2779	2782	2786	rVV	670129	875938	1.92%	0.189%
49	19.342	2786	2789	2795	rVB3	243691	465339	1.02%	0.101%
50	19.448	2802	2807	2811	rBV2	1050523	1416867	3.11%	0.306%
51	19.589	2820	2831	2838	rBV2	23513390	45569958	100.00%	9.843%
52	19.648	2838	2841	2849	rVB3	1169056	1836153	4.03%	0.397%
53	19.789	2856	2865	2869	rBV2	9062416	13511211	29.65%	2.918%
54	19.836	2869	2873	2880	rVB	1513398	2357938	5.17%	0.509%
55	19.919	2881	2887	2893	rBV4	1259557	3133860	6.88%	0.677%
56	19.972	2893	2896	2900	rVV	576023	757147	1.66%	0.164%
57	20.054	2905	2910	2912	rVV4	1085428	1836416	4.03%	0.397%
58	20.095	2913	2917	2921	rVB	2846175	4126911	9.06%	0.891%
59	20.201	2931	2935	2939	rBV	2736876	3317185	7.28%	0.716%
60	20.260	2939	2945	2949	rVV2	1639096	3283302	7.20%	0.709%
61	20.295	2949	2951	2955	rVB	721993	705521	1.55%	0.152%
62	20.342	2956	2959	2964	rVB3	361336	482360	1.06%	0.104%
63	20.401	2965	2969	2973	rBV	865616	1218168	2.67%	0.263%
64	20.448	2973	2977	2982	rBV3	1200214	1783852	3.91%	0.385%
65	20.748	3025	3028	3032	rVB2	481227	644709	1.41%	0.139%
66	20.836	3040	3043	3047	rBV2	452490	696067	1.53%	0.150%
67	20.883	3048	3051	3057	rVB	911293	1374381	3.02%	0.297%
68	21.066	3077	3082	3085	rBV	1431821	1984114	4.35%	0.429%
69	21.113	3086	3090	3093	rVV	1691600	2245964	4.93%	0.485%
70	21.160	3093	3098	3104	rVV2	1298470	3240499	7.11%	0.700%
71	21.483	3143	3153	3160	rBV3	12110306	27662215	60.70%	5.975%
72	21.554	3160	3165	3176	rVB	10049534	17119915	37.57%	3.698%
73	21.695	3184	3189	3193	rBV	2293495	3594586	7.89%	0.776%
74	21.848	3213	3215	3220	rVB	752213	1016824	2.23%	0.220%
75	21.919	3221	3227	3233	rVB2	1206823	2493383	5.47%	0.539%
76	22.242	3278	3282	3287	rVB	1330847	2243672	4.92%	0.485%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

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-BP060625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	22.313	3290	3294	3300	rVB	588569	878136	1.93%	0.190%
78	22.442	3313	3316	3322	rVB3	517905	892822	1.96%	0.193%
79	22.507	3323	3327	3331	rVV	728460	1215000	2.67%	0.262%
80	22.554	3331	3335	3343	rVB3	799948	1570805	3.45%	0.339%
81	23.360	3468	3472	3480	rVB2	530475	984699	2.16%	0.213%
82	23.736	3527	3536	3543	rBV	6707874	21210866	46.55%	4.581%
83	23.801	3545	3547	3554	rVB	3962402	6201579	13.61%	1.339%
84	23.989	3572	3579	3587	rVB	1503725	3340090	7.33%	0.721%
85	24.465	3652	3660	3674	rVB	4665825	12871334	28.25%	2.780%
86	24.618	3676	3686	3696	rVB	7559856	19420885	42.62%	4.195%
87	24.748	3703	3708	3716	rBV2	1331875	3453802	7.58%	0.746%
88	24.830	3716	3722	3737	rVB	2054149	6137463	13.47%	1.326%
89	28.471	4329	4341	4360	rVB2	2961582	13683609	30.03%	2.956%
90	29.618	4524	4536	4548	rVB	2632344	10320509	22.65%	2.229%
91	30.195	4632	4634	4640	rBV2	287919	514329	1.13%	0.111%

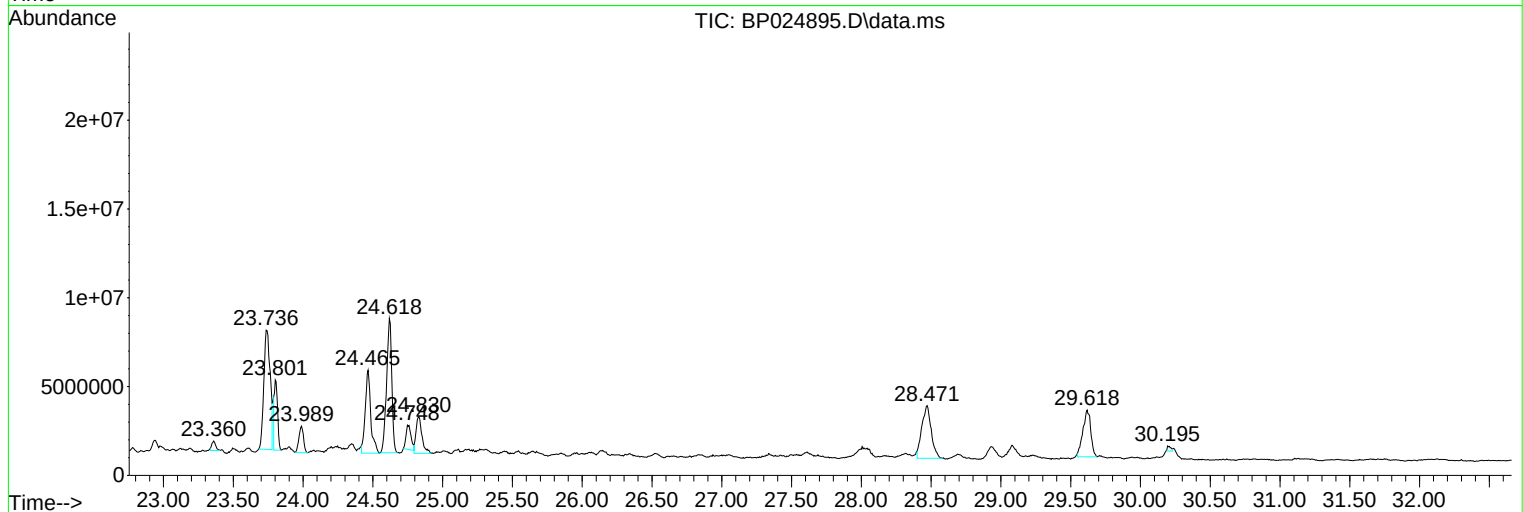
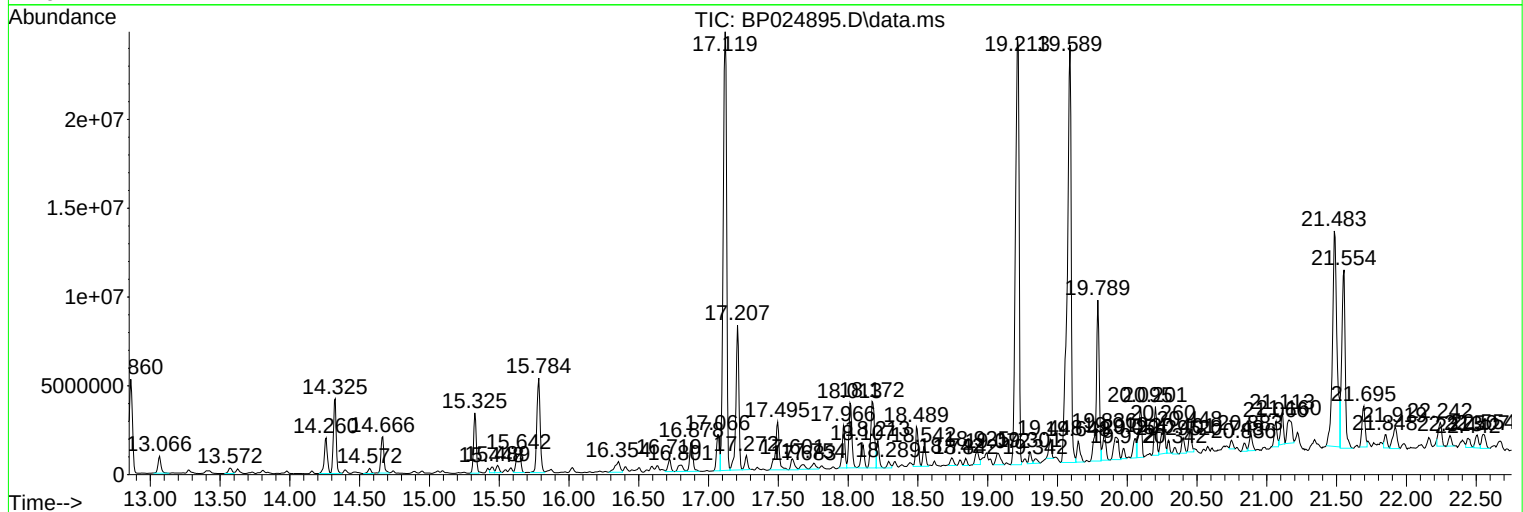
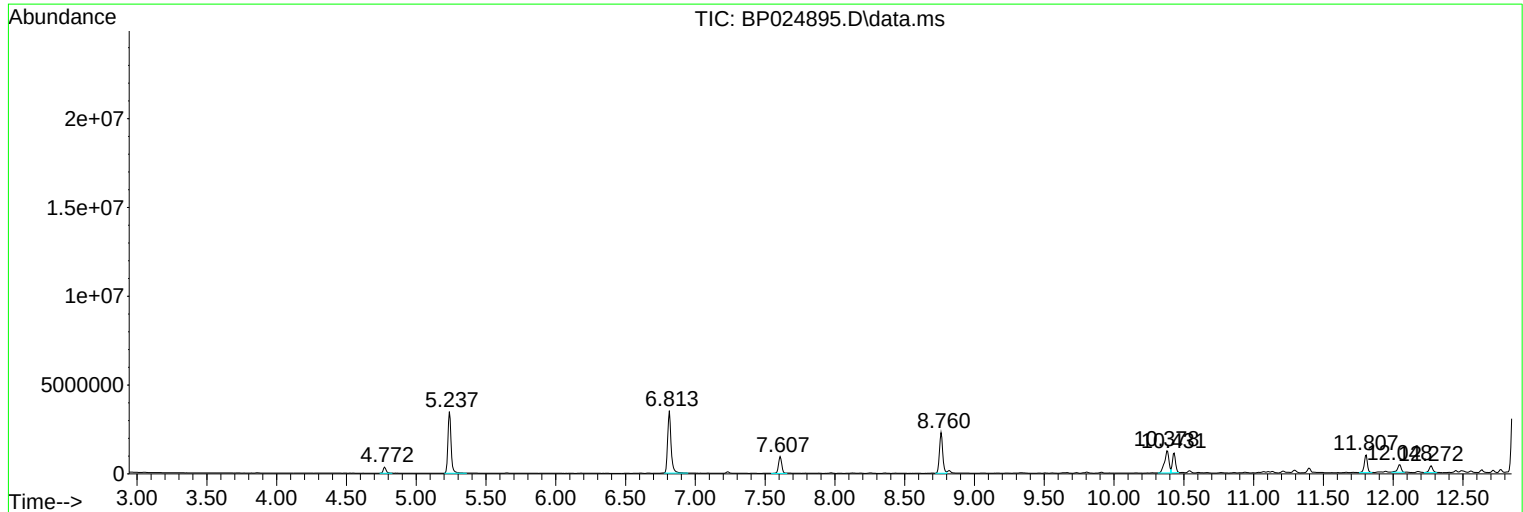
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Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

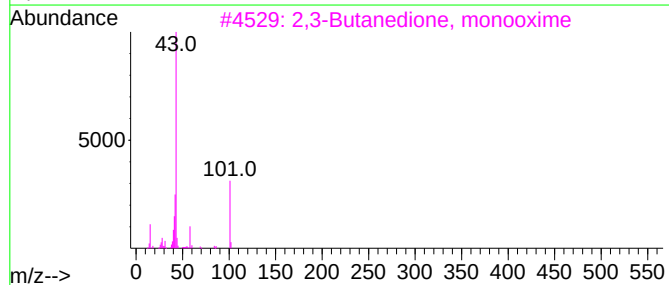
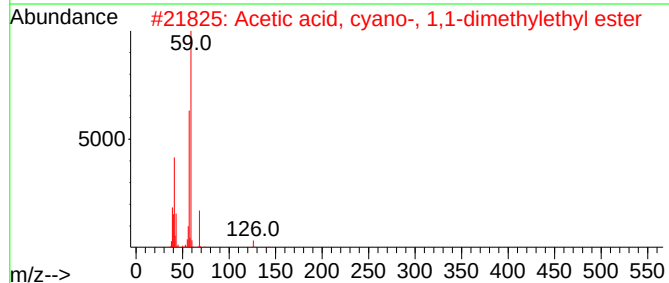
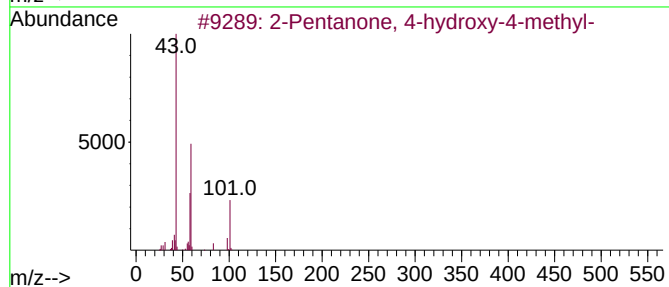
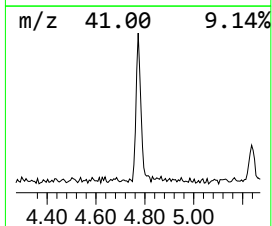
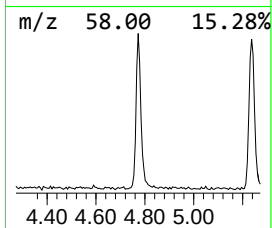
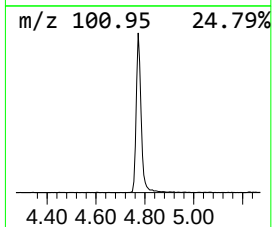
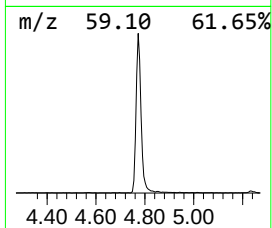
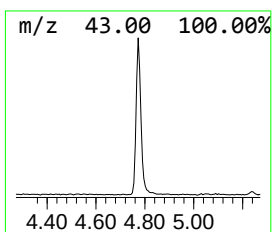
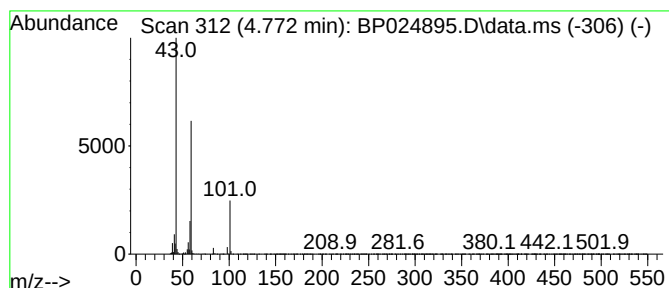
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.772	6.37 ng	482252	1,4-Dichlorobenzene-d4	7.607

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5			(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

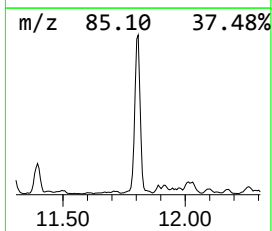
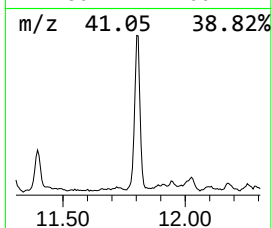
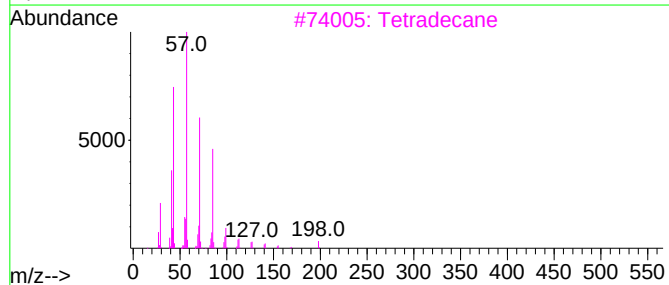
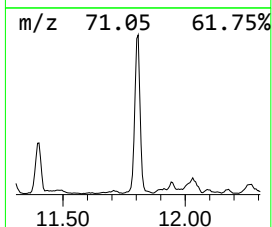
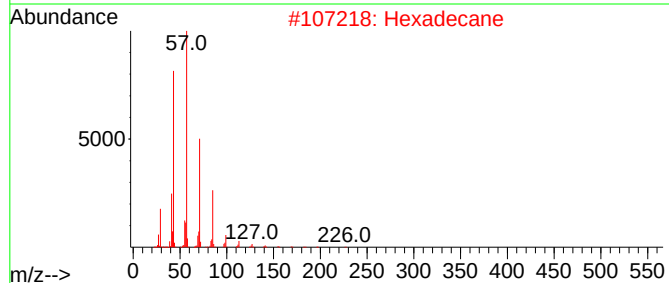
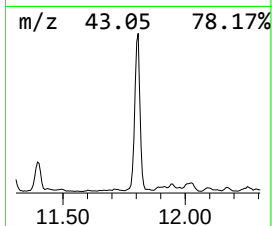
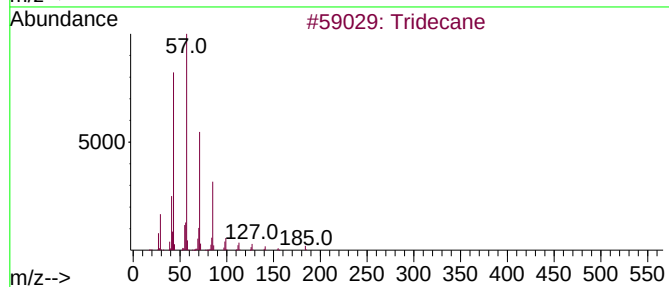
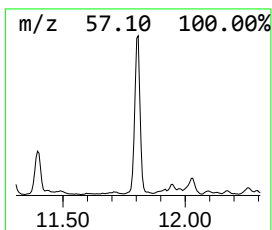
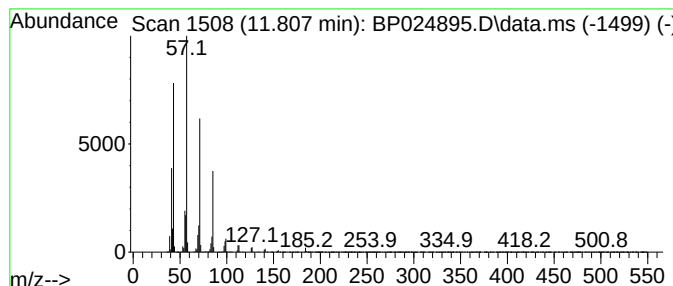
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Tridecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.807	11.28 ng	1568240	Naphthalene-d8	10.378

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	94
2			Hexadecane	226	C16H34	000544-76-3	90
3			Tetradecane	198	C14H30	000629-59-4	90
4			Pentadecane	212	C15H32	000629-62-9	90
5			Dodecane	170	C12H26	000112-40-3	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

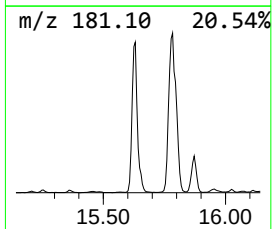
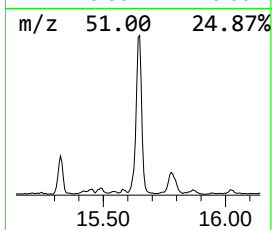
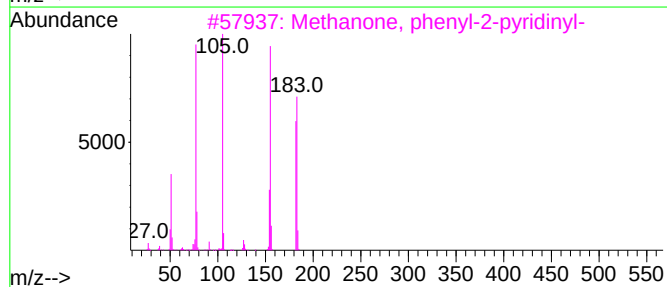
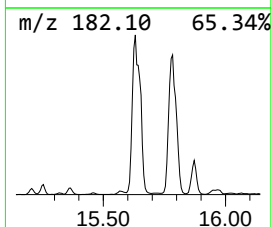
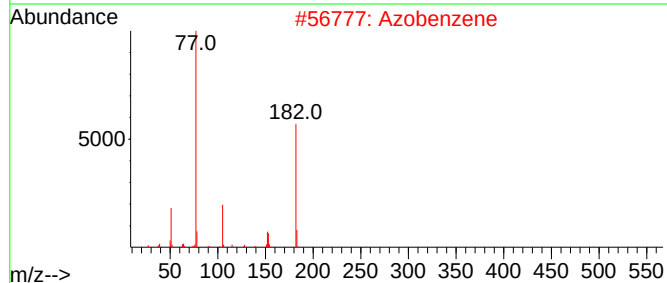
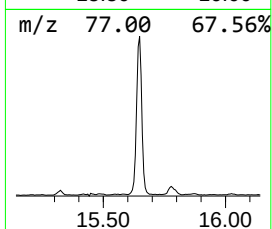
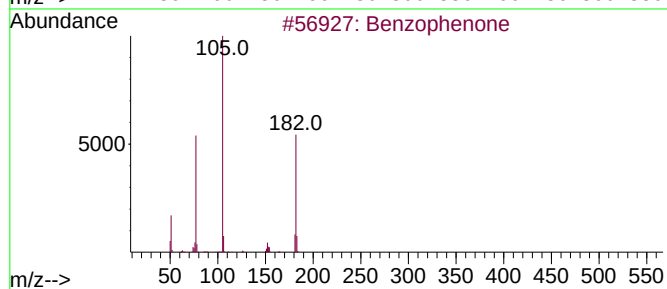
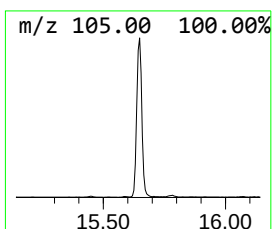
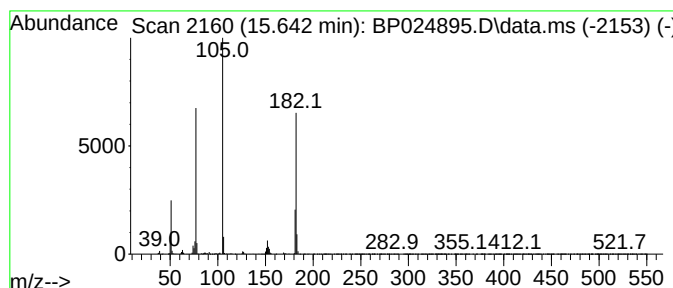
Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD			R.T.
15.642	15.91 ng	2438830	Acenaphthene-d10			14.260
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzophenone		182	C13H10O	000119-61-9	95
2	Azobenzene		182	C12H10N2	000103-33-3	52
3	Methanone, phenyl-2-pyridinyl-		183	C12H9NO	000091-02-1	45
4	1,1'-Biphenyl, 3,4'-dimethyl-		182	C14H14	007383-90-6	43
5	4,4'-Dimethylbiphenyl		182	C14H14	000613-33-2	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

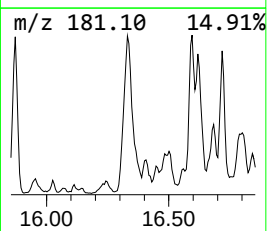
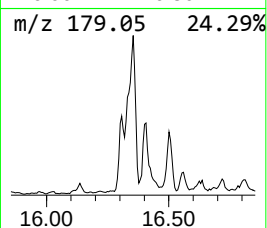
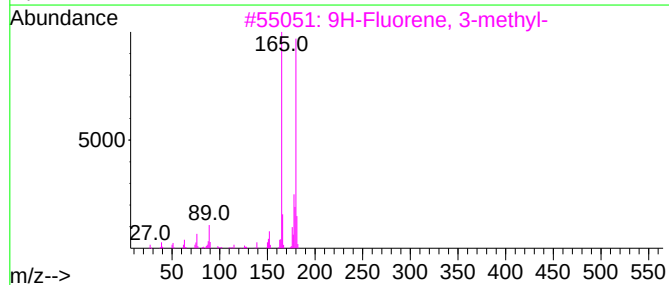
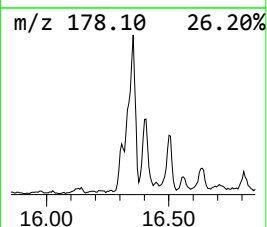
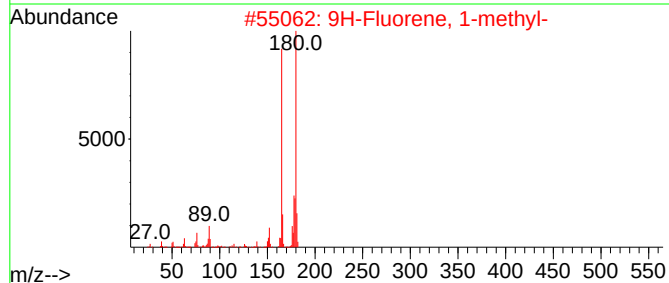
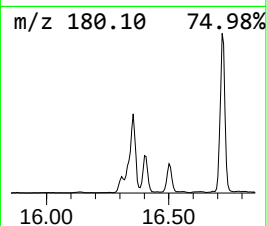
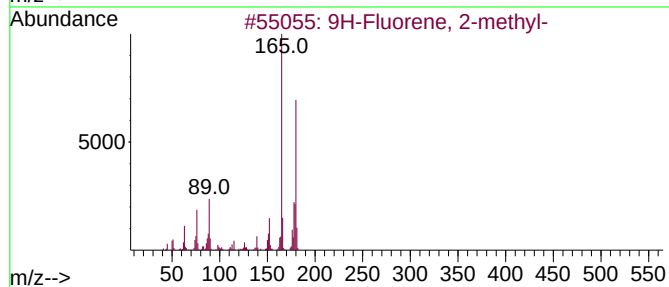
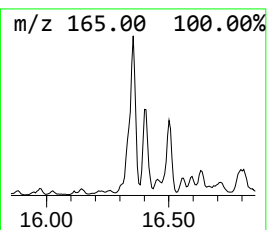
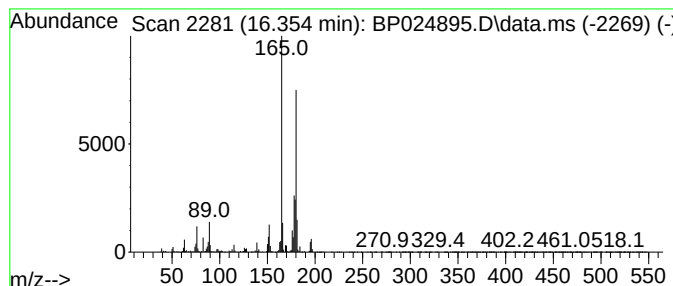
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.354	9.63 ng	1538440	Phenanthrene-d10	17.072

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5			4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

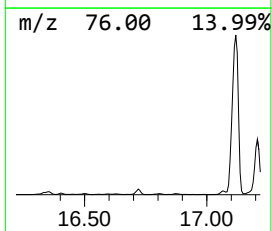
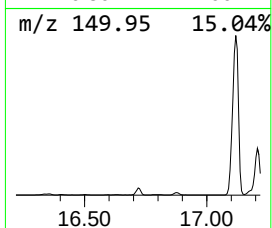
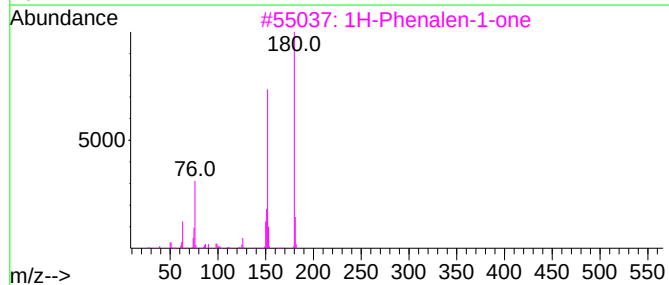
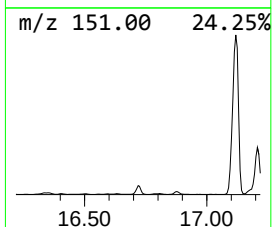
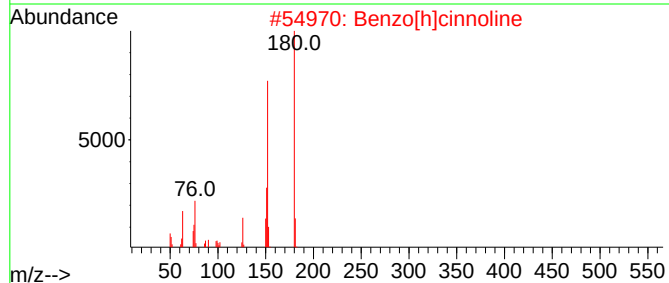
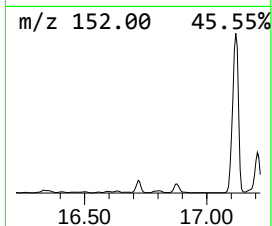
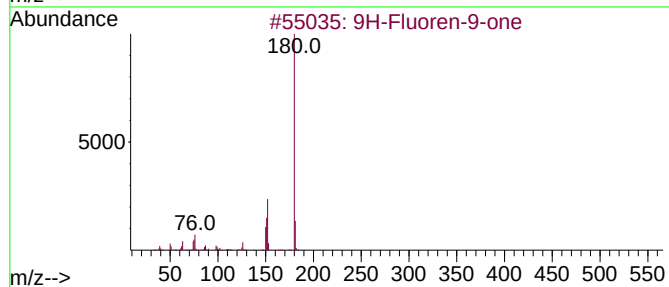
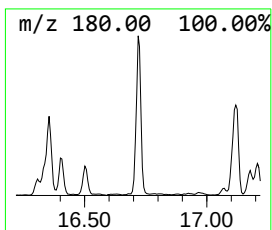
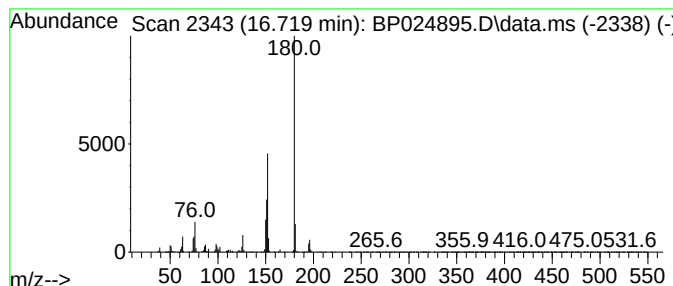
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.719	6.30 ng	1006050	Phenanthrene-d10	17.072

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3			1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4			Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50
5			7-Nitro-3H-imidazo[4,5-b]pyridin...	180	C6H4N4O3	014432-11-2	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
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Sample : Q2177-02
Misc :
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Instrument :
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ClientSampleId :
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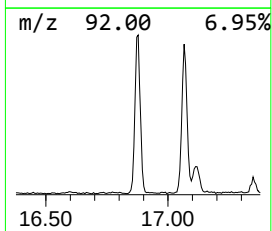
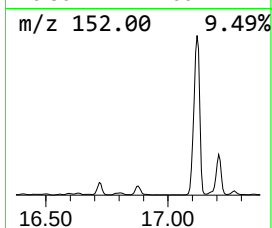
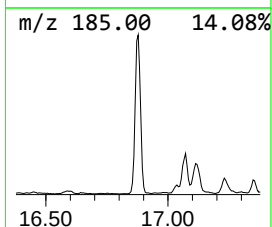
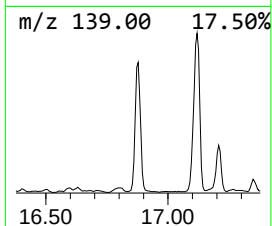
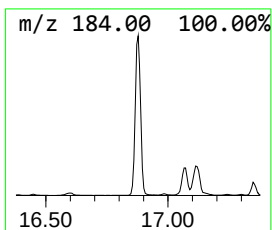
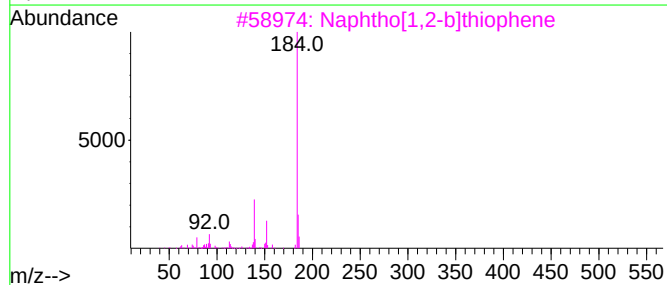
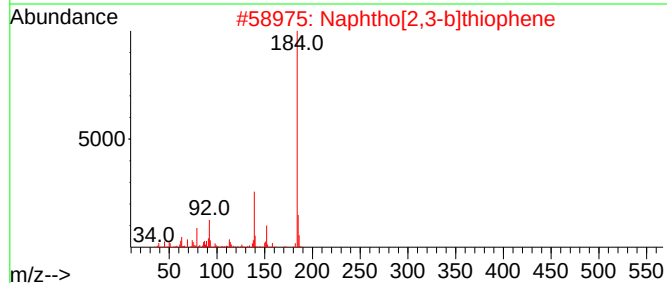
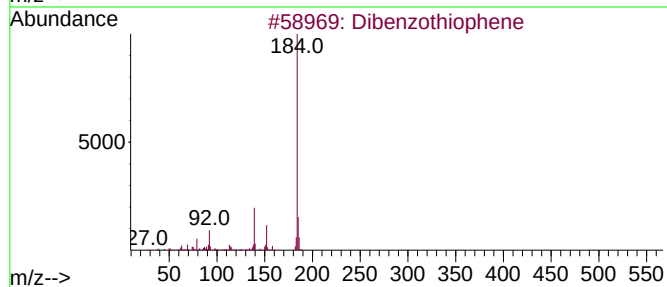
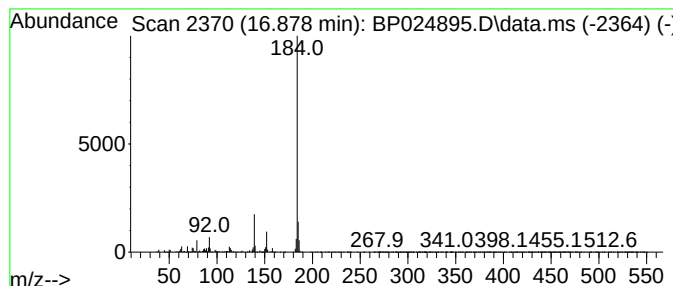
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.878	16.65 ng	2658370	Phenanthrene-d10	17.072

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

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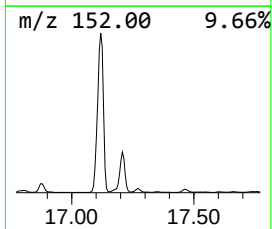
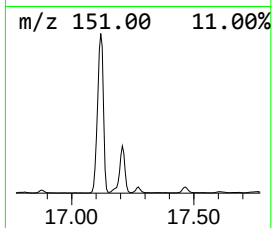
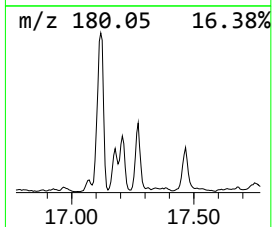
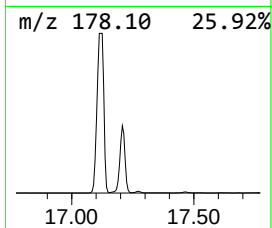
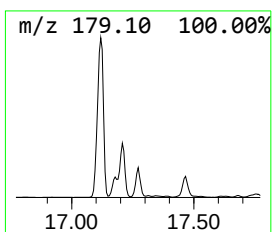
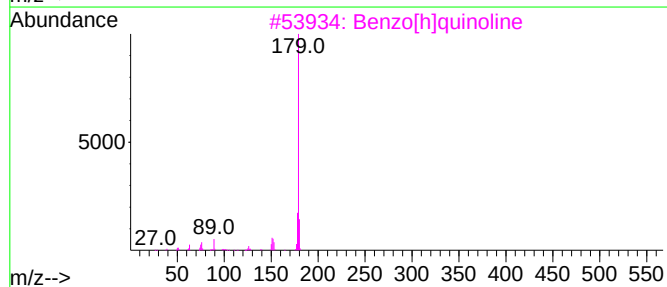
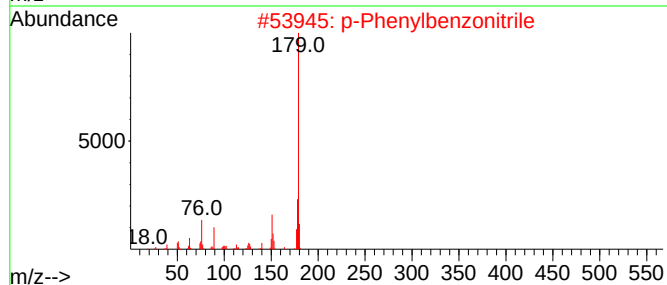
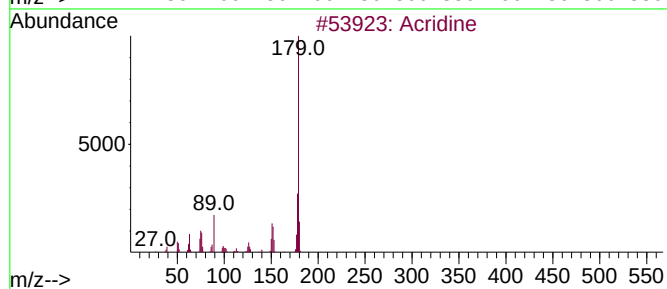
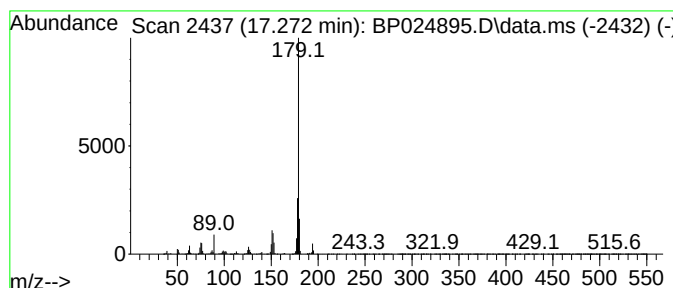
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Acridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.272	6.86 ng	1095870	Phenanthrene-d10	17.072

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acridine	179	C13H9N	000260-94-6	97
2			p-Phenylbenzonitrile	179	C13H9N	002920-38-9	95
3			Benzo[h]quinoline	179	C13H9N	000230-27-3	94
4			Phenanthridine	179	C13H9N	000229-87-8	93
5			Benzo[f]quinoline	179	C13H9N	000085-02-9	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
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Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

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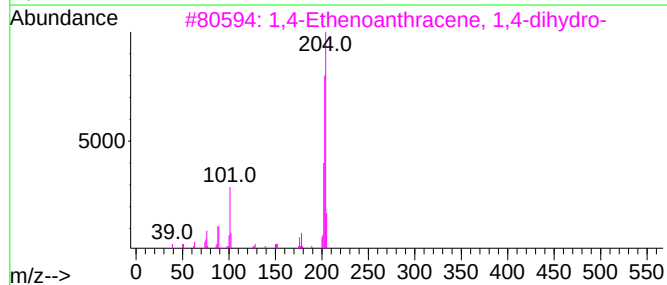
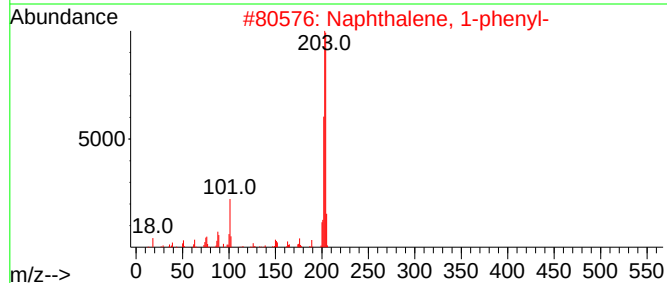
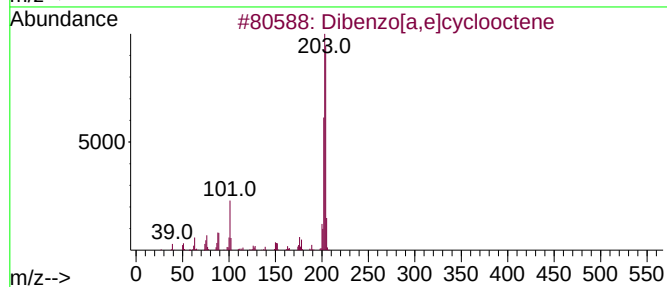
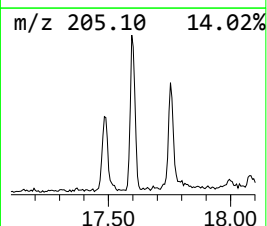
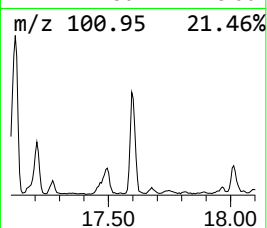
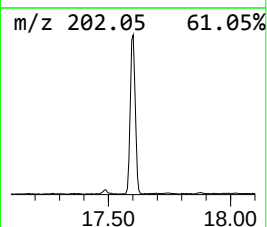
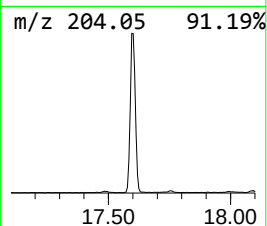
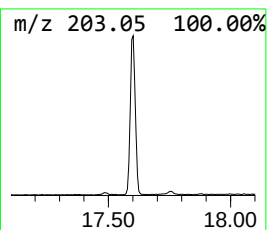
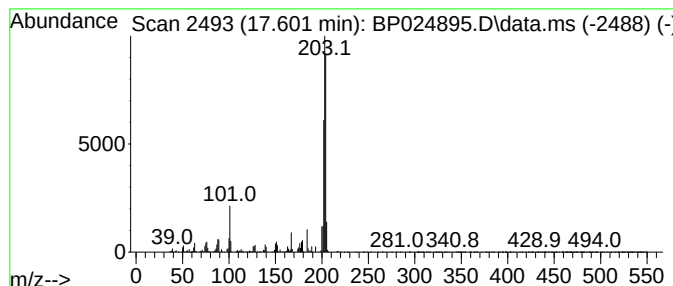
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzo[a,e]cyclooctene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.601	7.14 ng	1139990	Phenanthrene-d10	17.072

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	98
2			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	97
3			1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	89
4			Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	86
5			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

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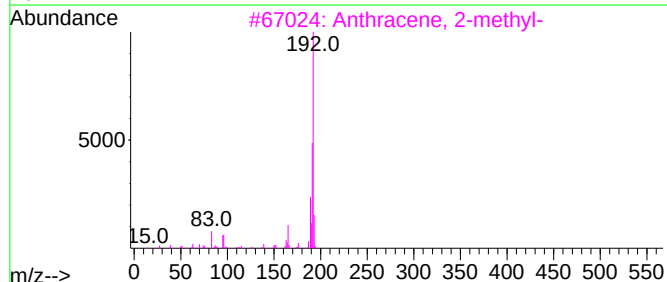
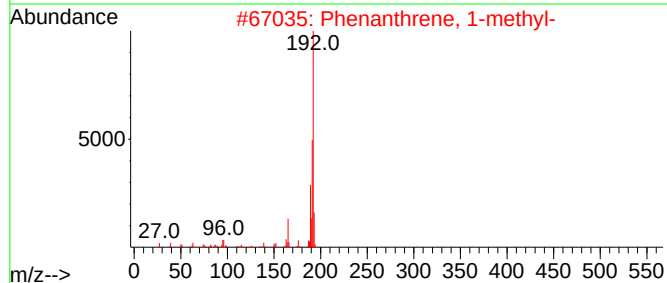
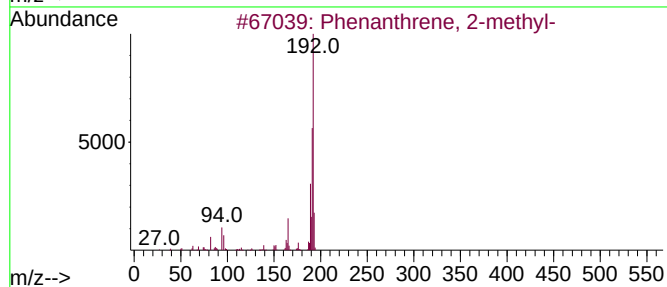
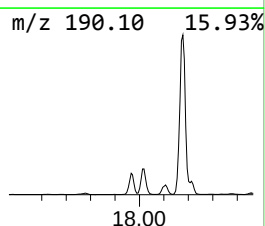
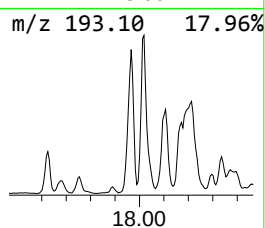
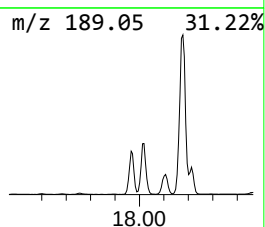
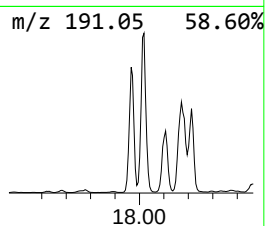
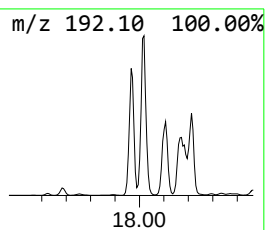
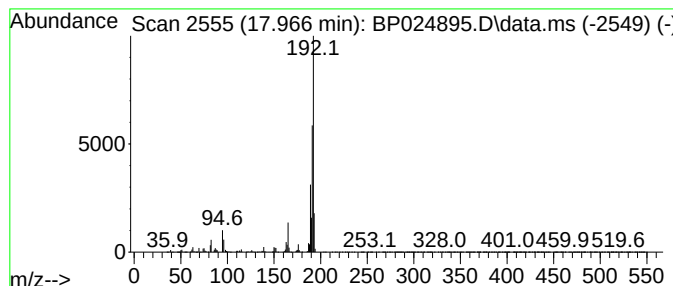
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.966	20.49 ng	3271280	Phenanthrene-d10	17.072

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
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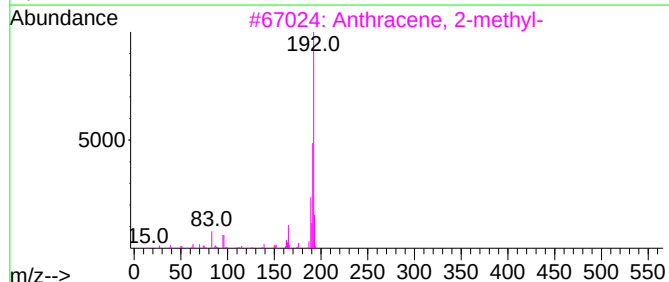
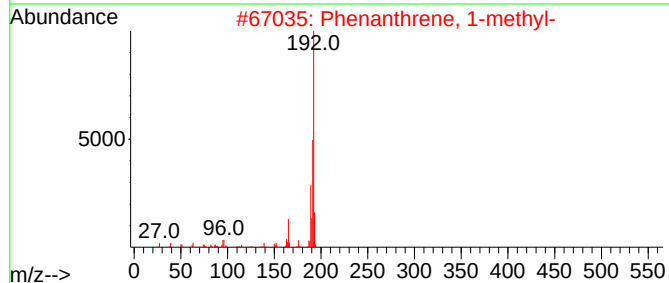
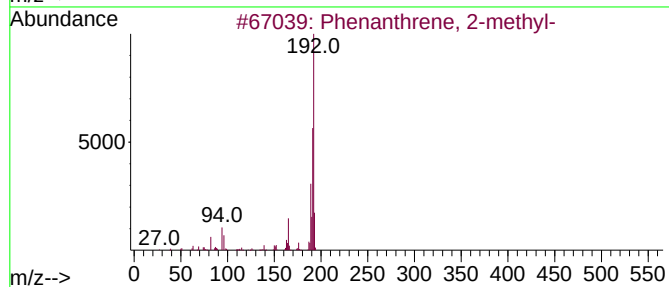
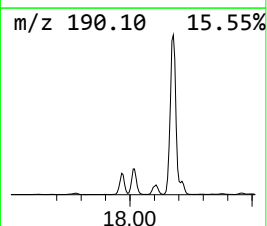
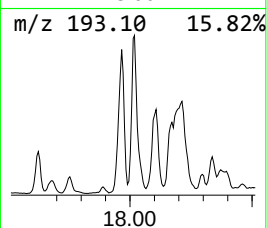
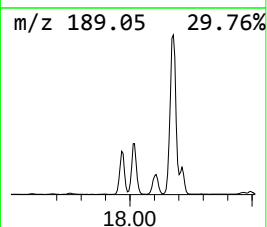
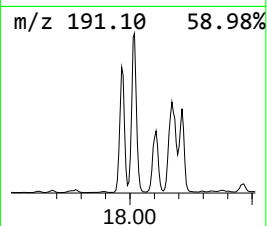
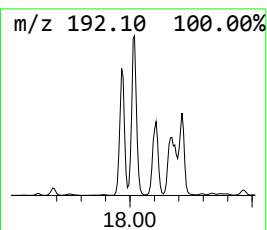
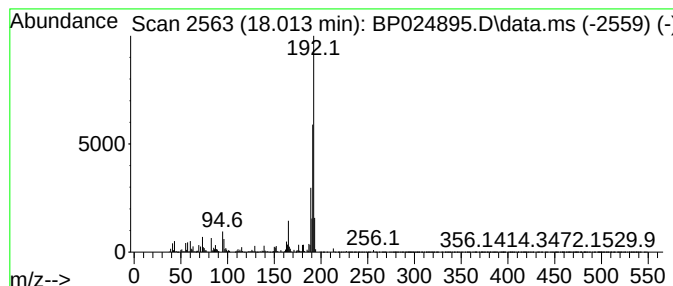
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.013	34.03 ng	5433460	Phenanthrene-d10	17.072

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

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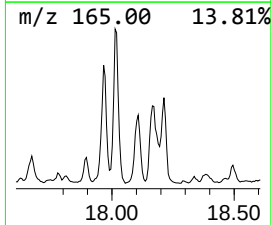
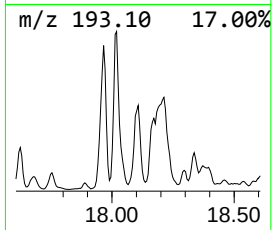
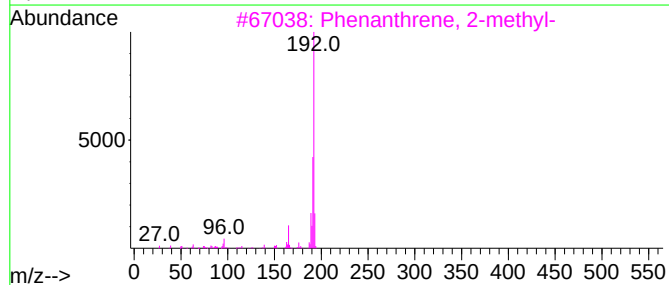
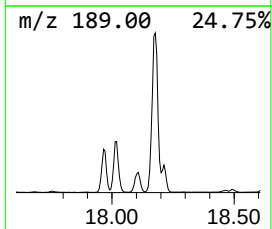
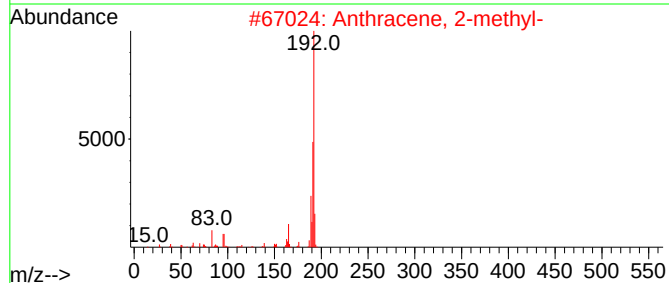
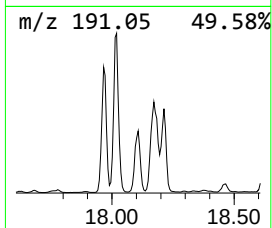
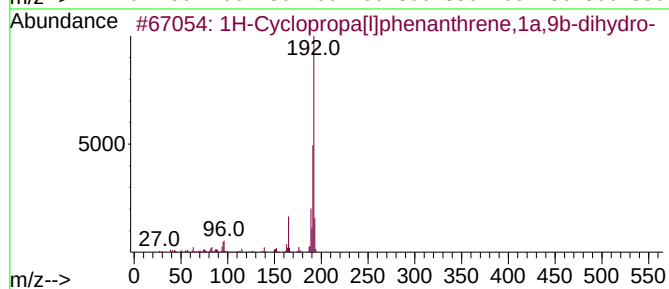
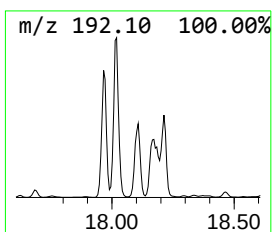
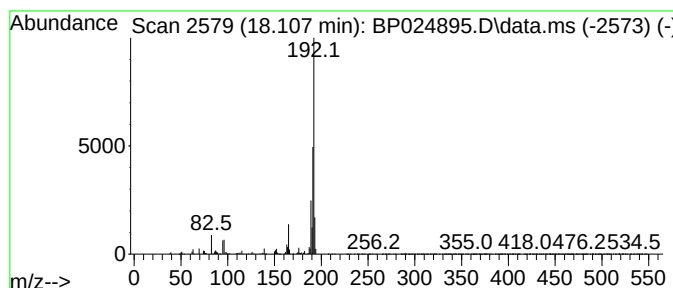
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.107	12.78 ng	2040170	Phenanthrene-d10	17.072

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

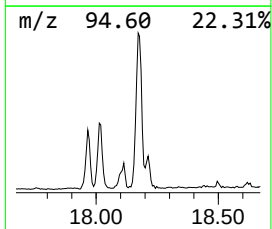
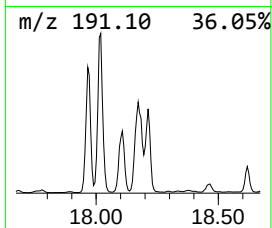
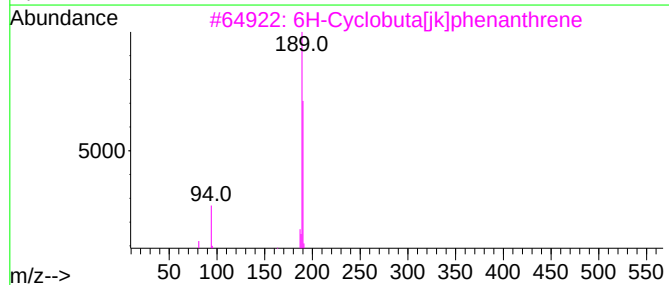
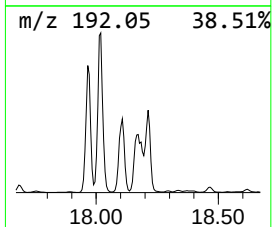
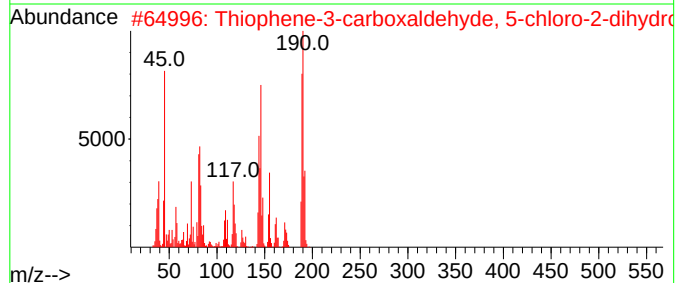
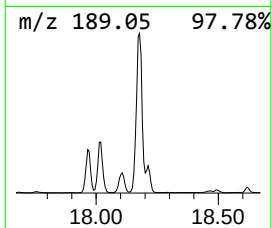
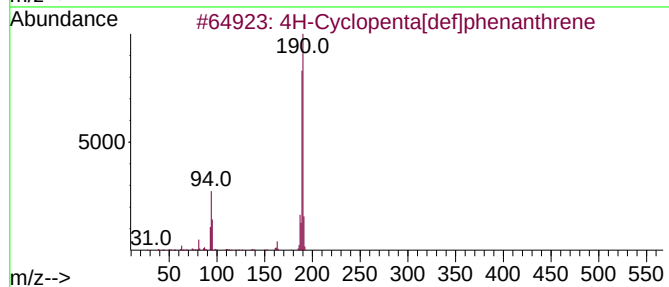
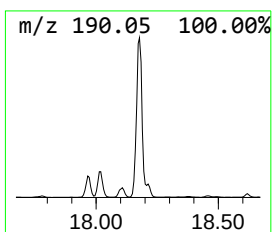
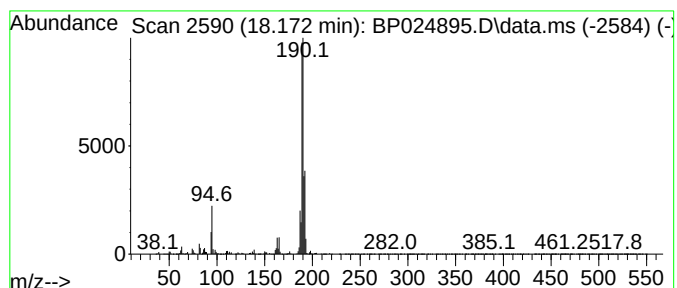
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.172	43.91 ng	7012350	Phenanthrene-d10	17.072	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
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Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

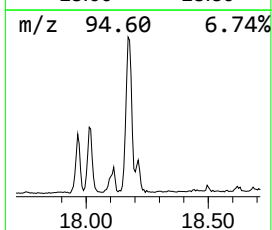
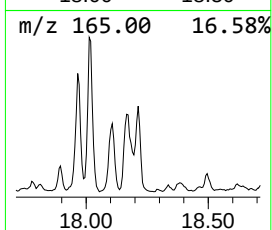
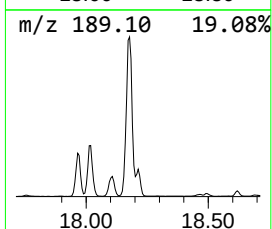
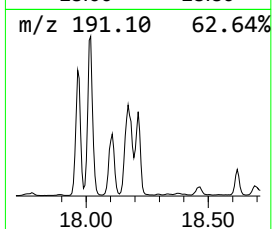
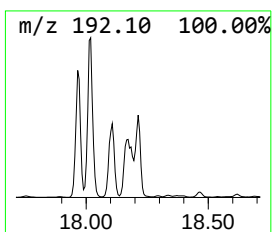
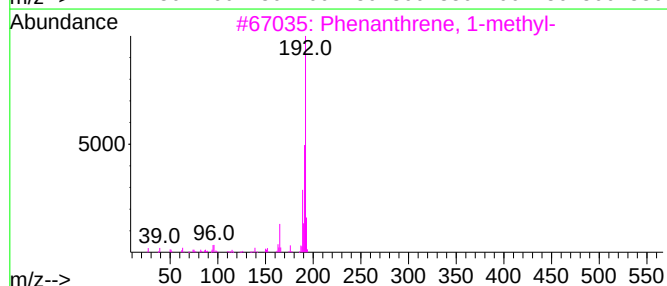
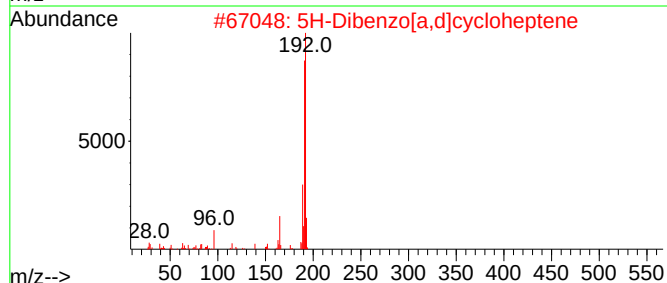
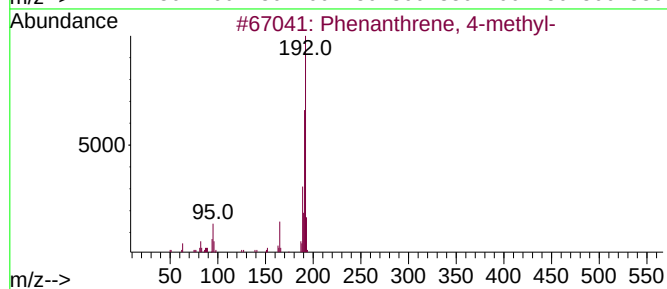
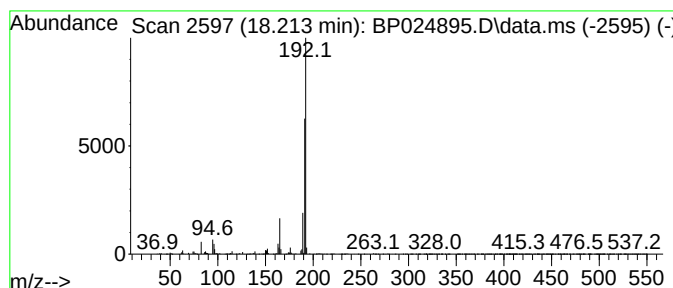
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.213	10.78 ng	1720790	Phenanthrene-d10	17.072	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	81
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

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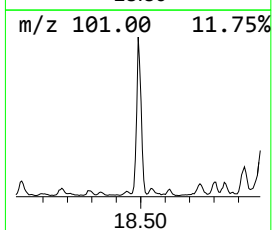
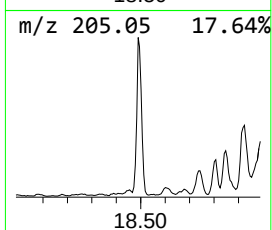
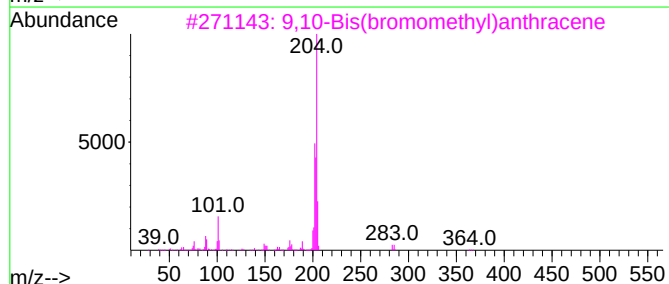
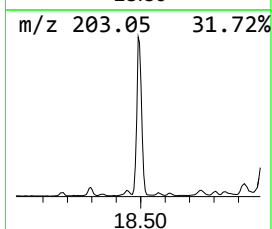
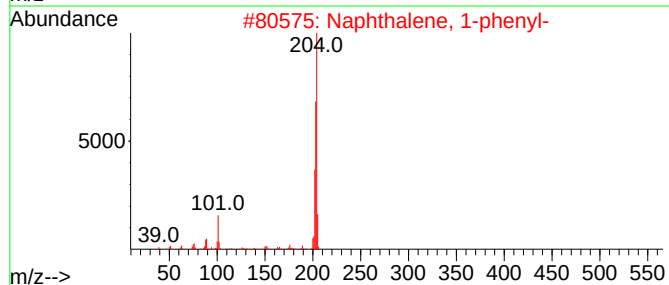
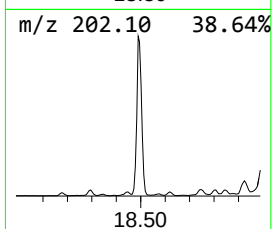
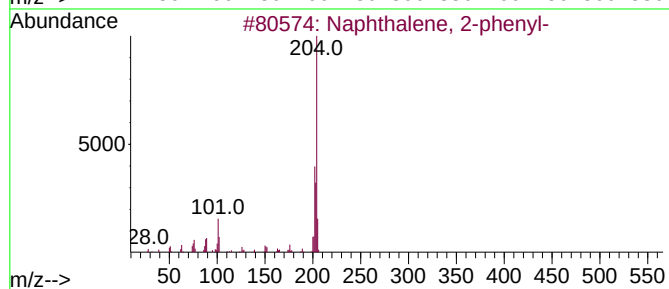
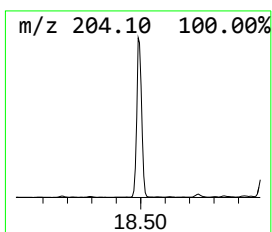
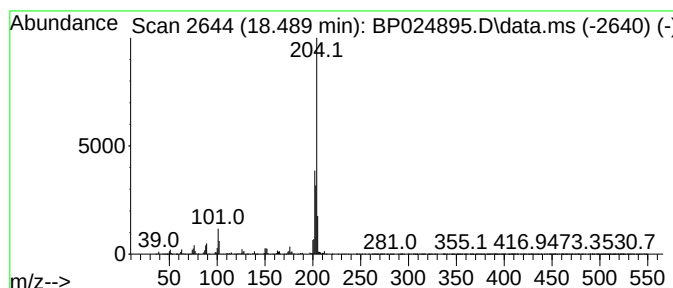
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.489	18.95 ng	3025890	Phenanthrene-d10	17.072

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	59
4		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	55
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
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Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

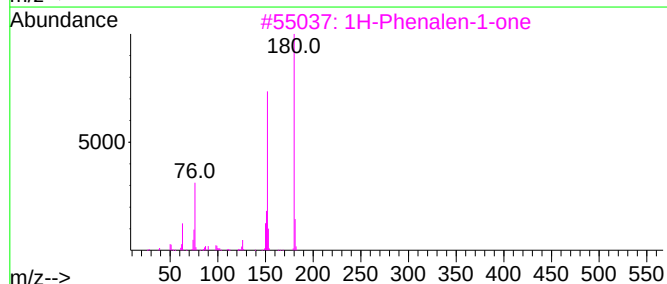
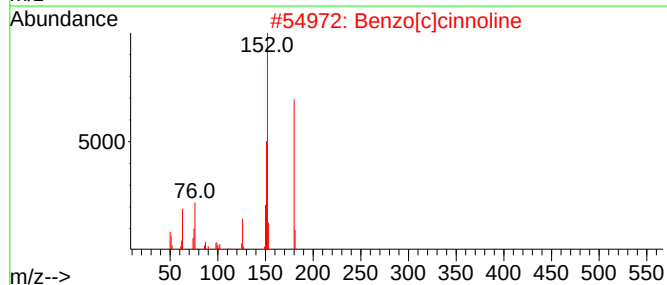
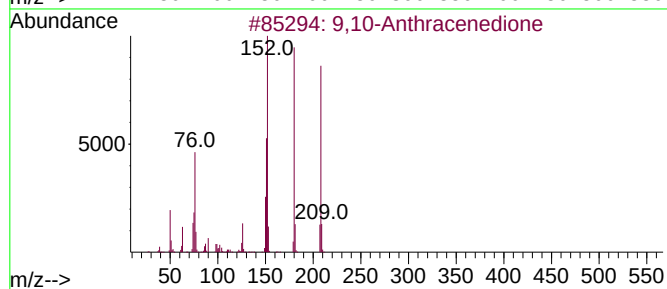
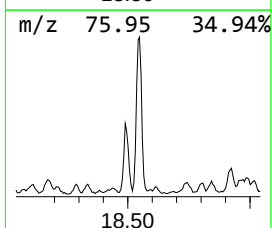
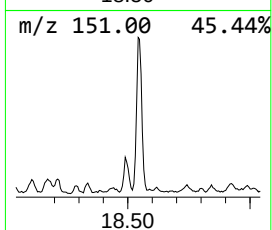
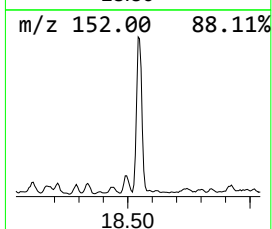
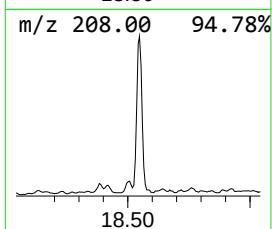
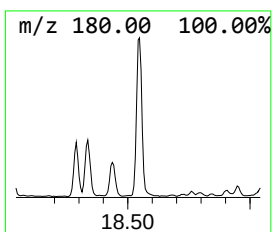
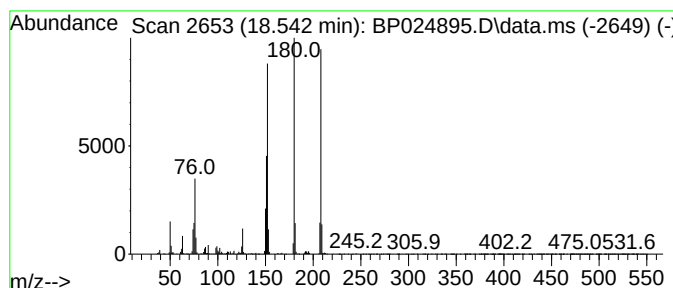
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.542	10.52 ng	1680540	Phenanthrene-d10		17.072	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione		208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline		180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one		180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one		180	C13H8O	000486-25-9	58
5	Benzo[h]cinnoline		180	C12H8N2	000230-31-9	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-187-SB01

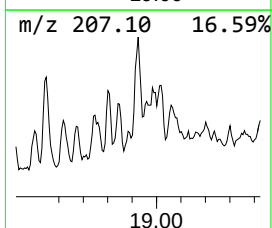
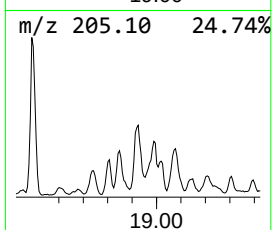
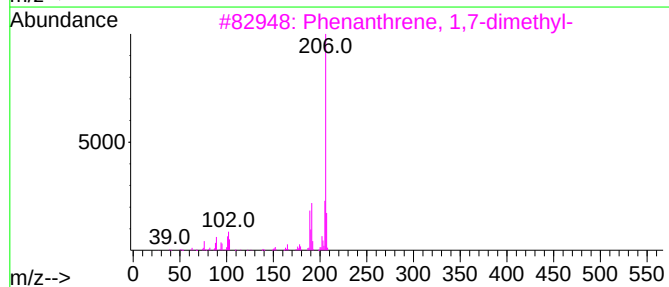
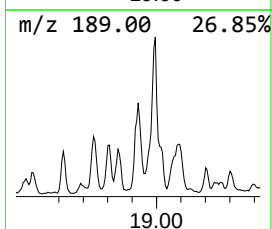
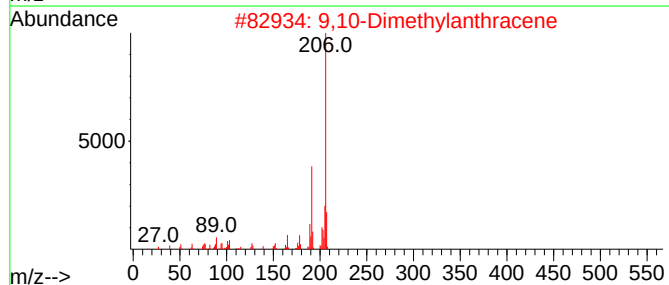
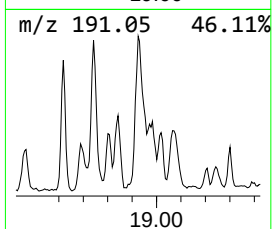
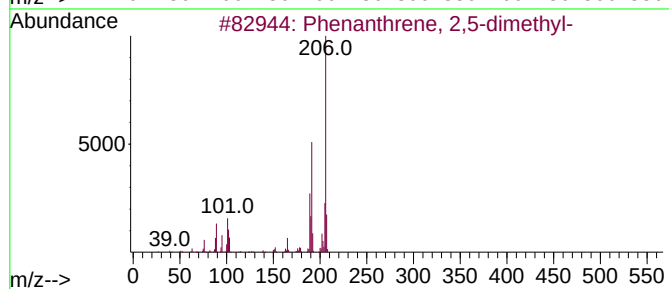
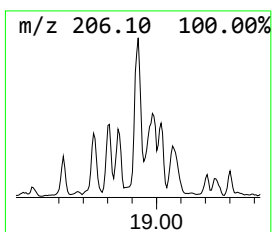
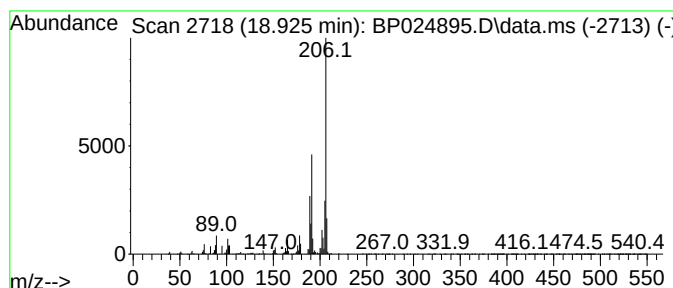
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.925	8.84 ng	1411820	Phenanthrene-d10	17.072

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2		9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

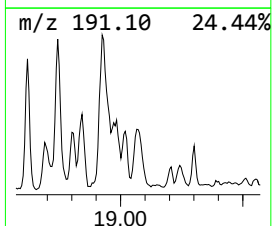
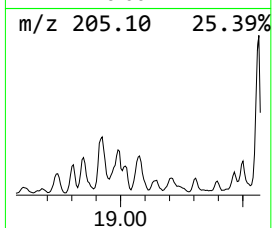
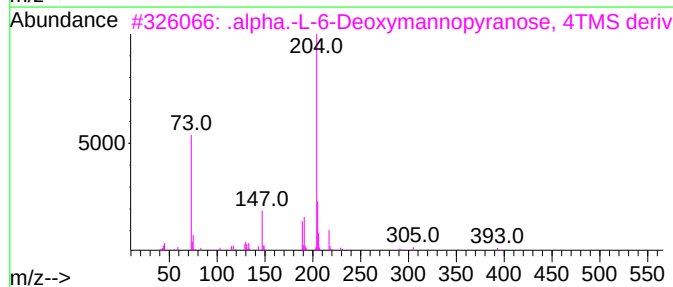
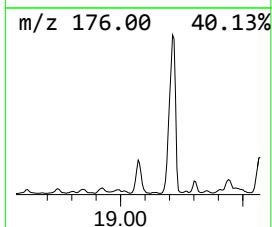
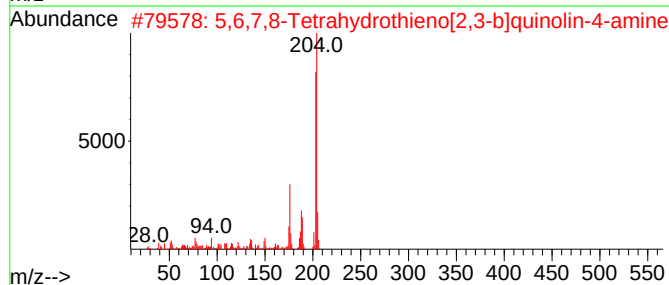
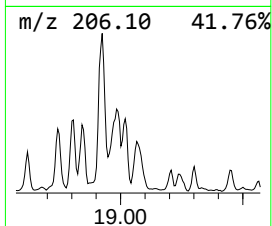
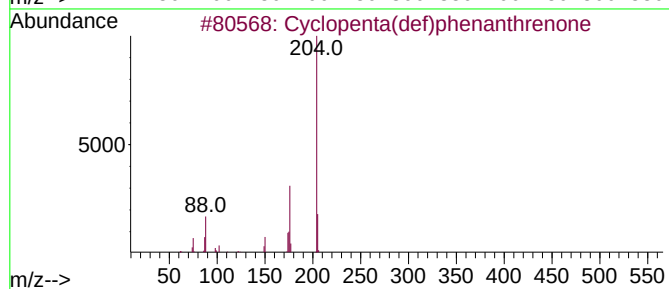
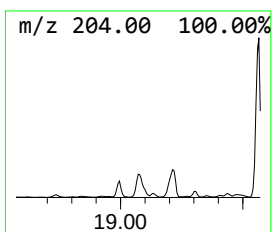
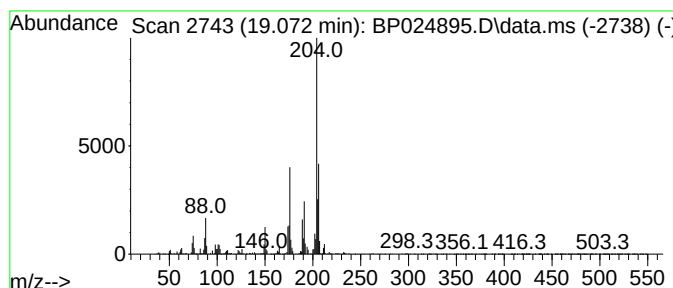
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.072	9.39 ng	1500260	Phenanthrene-d10	17.072

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
3		.alpha.-L-6-Deoxymannopyranose, ...	452	C18H44O5Si4	055057-21-1	47
4		Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	47
5		2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

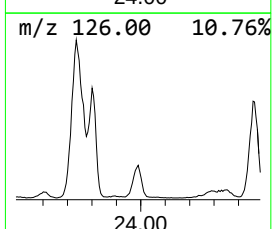
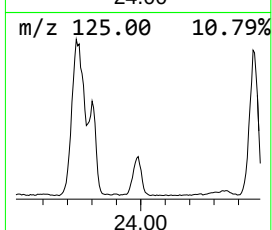
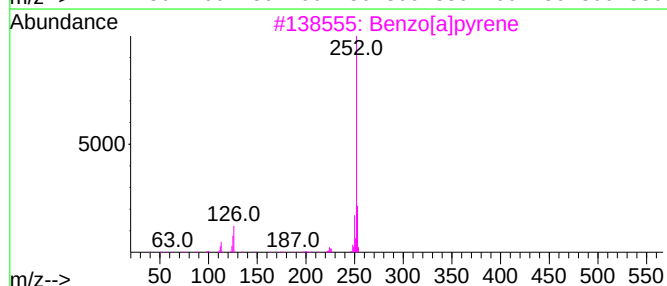
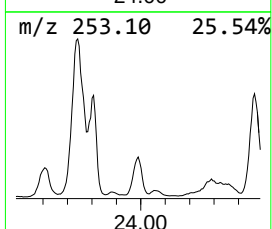
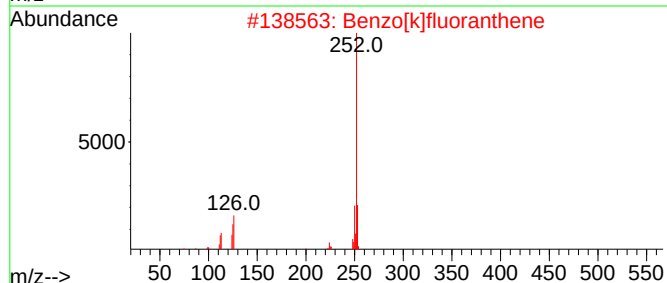
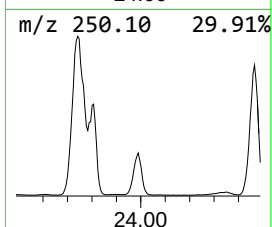
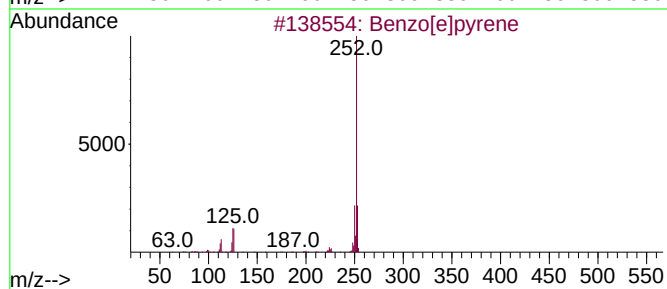
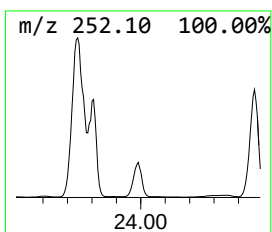
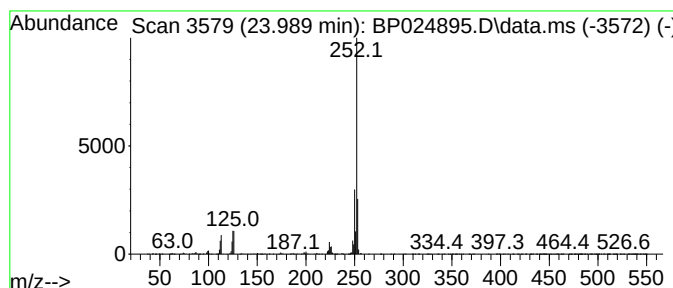
Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.989	19.34 ng	3340090	Perylene-d12	24.760
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[e]pyrene	252 C20H12	000192-97-2 98
2		Benzo[k]fluoranthene	252 C20H12	000207-08-9 96
3		Benzo[a]pyrene	252 C20H12	000050-32-8 95
4		Benzo[b]fluoranthene	252 C20H12	000205-99-2 94
5		Benzo[j]fluoranthene	252 C20H12	000205-82-3 86



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

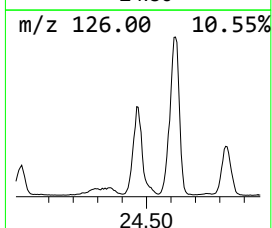
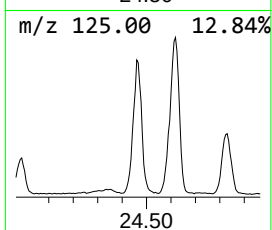
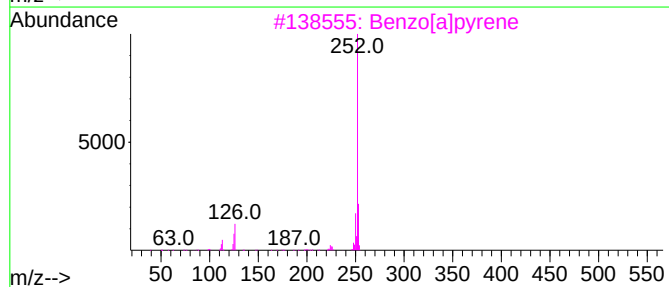
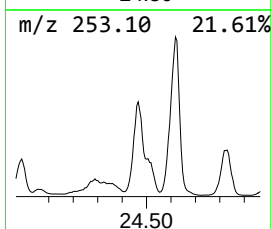
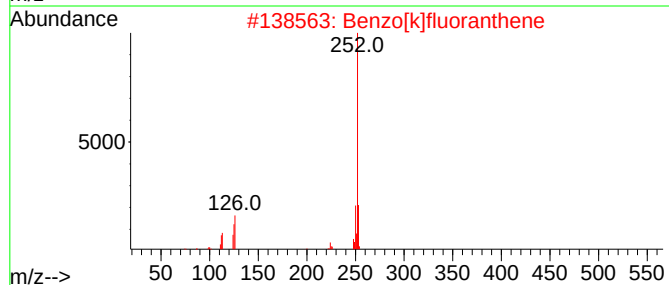
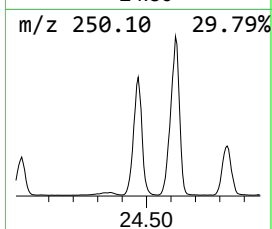
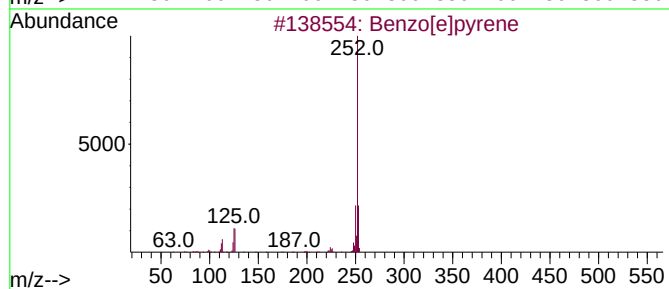
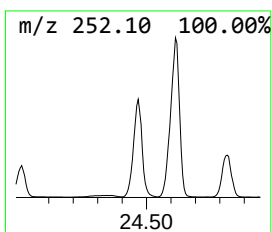
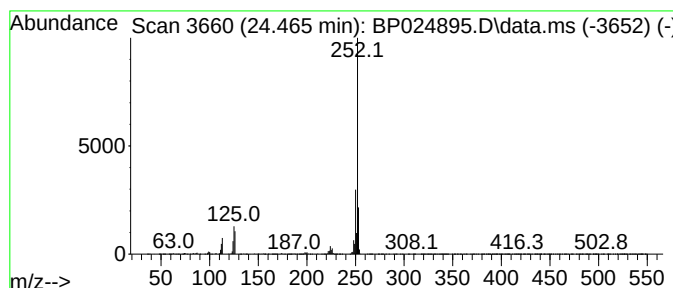
Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
24.465	74.53 ng	12871300	Perylene-d12	24.760	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Perylene	252	C20H12	000198-55-0	96
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

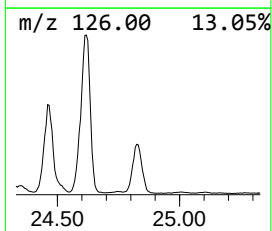
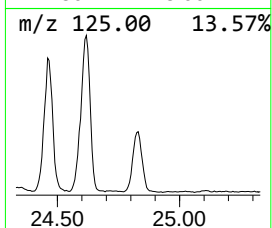
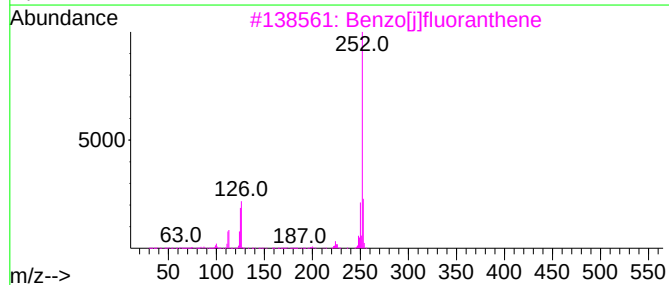
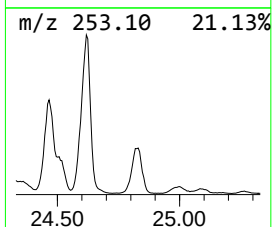
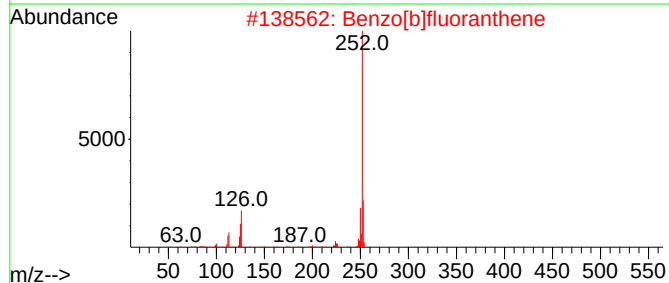
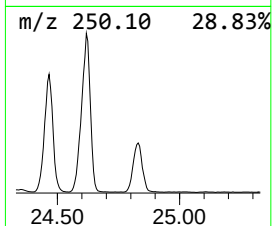
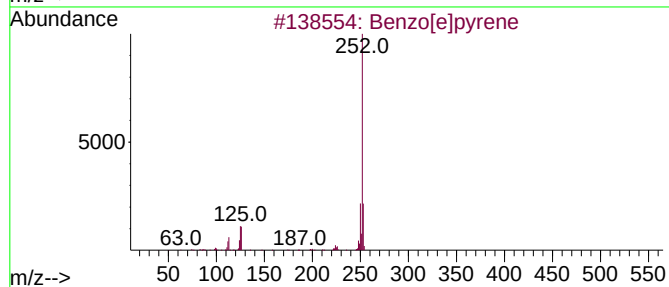
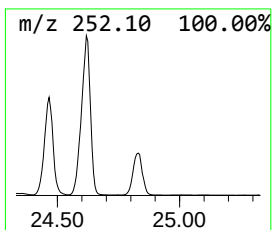
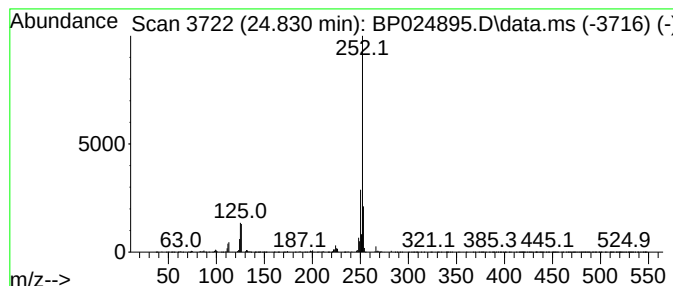
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.830	35.54 ng	6137460	Perylene-d12	24.760

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
3			Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5			Perylene	252	C20H12	000198-55-0	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.772	6.4	ng	482252	1	7.607	1513180	20.0
Tridecane	11.807	11.3	ng	1568240	2	10.378	2781540	20.0
Benzophenone	15.642	15.9	ng	2438830	3	14.260	3065670	20.0
9H-Fluorene, 2-...	16.354	9.6	ng	1538440	4	17.072	3193750	20.0
9H-Fluoren-9-one	16.719	6.3	ng	1006050	4	17.072	3193750	20.0
Dibenzothiophene	16.878	16.6	ng	2658370	4	17.072	3193750	20.0
Acridine	17.272	6.9	ng	1095870	4	17.072	3193750	20.0
Dibenzo[a,e]cyc...	17.601	7.1	ng	1139990	4	17.072	3193750	20.0
Phenanthrene, 2...	17.966	20.5	ng	3271280	4	17.072	3193750	20.0
Phenanthrene, 1...	18.013	34.0	ng	5433460	4	17.072	3193750	20.0
1H-Cyclopropa[l...	18.107	12.8	ng	2040170	4	17.072	3193750	20.0
4H-Cyclopenta[d...	18.172	43.9	ng	7012350	4	17.072	3193750	20.0
Phenanthrene, 4...	18.213	10.8	ng	1720790	4	17.072	3193750	20.0
Naphthalene, 2...	18.489	18.9	ng	3025890	4	17.072	3193750	20.0
9,10-Anthracene...	18.542	10.5	ng	1680540	4	17.072	3193750	20.0
Phenanthrene, 2...	18.925	8.8	ng	1411820	4	17.072	3193750	20.0
Cyclopenta(def)...	19.072	9.4	ng	1500260	4	17.072	3193750	20.0
Benzo[e]pyrene	23.989	19.3	ng	3340090	6	24.760	3453800	20.0
Perylene	24.465	74.5	ng	12871300	6	24.760	3453800	20.0
Benzo[j]fluoran...	24.830	35.5	ng	6137460	6	24.760	3453800	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
 Data File : BP024917.D
 Acq On : 11 Jun 2025 18:27
 Operator : RC/JU
 Sample : Q2177-02DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-187-SB01DL

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/12/2025
 Supervised By :mohammad ahmed 06/13/2025

Quant Time: Jun 12 01:57:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	219933	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	879842	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	533152	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1070454	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1300156	20.000	ng	0.00
86) Perylene-d12	24.754	264	1571242	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	285761	21.688	ng	0.00
7) Phenol-d6	6.825	99	361831	20.755	ng	0.01
23) Nitrobenzene-d5	8.766	82	220955	12.203	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	164843	22.363	ng	0.00
45) 2-Fluorobiphenyl	12.866	172	499456	12.620	ng	0.00
79) Terphenyl-d14	19.777	244	843470	11.627	ng	-0.02
Target Compounds					Qvalue	
31) Naphthalene	10.431	128	152893	3.391	ng	98
52) Acenaphthene	14.319	154	238656	8.388	ng	99
55) Dibenzofuran	14.666	168	215094	4.710	ng	98
58) Fluorene	15.325	166	232055	6.290	ng	99
71) Phenanthrene	17.101	178	3511051	59.354	ng	99
72) Anthracene	17.195	178	920713	15.368	ng	99
73) Carbazole	17.483	167	321499	5.790	ng	99
75) Fluoranthene	19.195	202	4135705	60.320	ng	98
78) Pyrene	19.572	202	3691405	45.446	ng	100
81) Benzo(a)anthracene	21.471	228	1706833	20.526	ng	99
83) Chrysene	21.536	228	1437484	18.244	ng	97
87) Indeno(1,2,3-cd)pyrene	28.442	276	1029739	8.982	ng	95
88) Benzo(b)fluoranthene	23.724	252	1907061	21.208	ng	98
89) Benzo(k)fluoranthene	23.783	252	673277m	7.356	ng	
90) Benzo(a)pyrene	24.601	252	1587050	18.072	ng	98
91) Dibenzo(a,h)anthracene	28.518	278	229499	2.459	ng	# 90
92) Benzo(g,h,i)perylene	29.600	276	1000654	10.808	ng	98

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

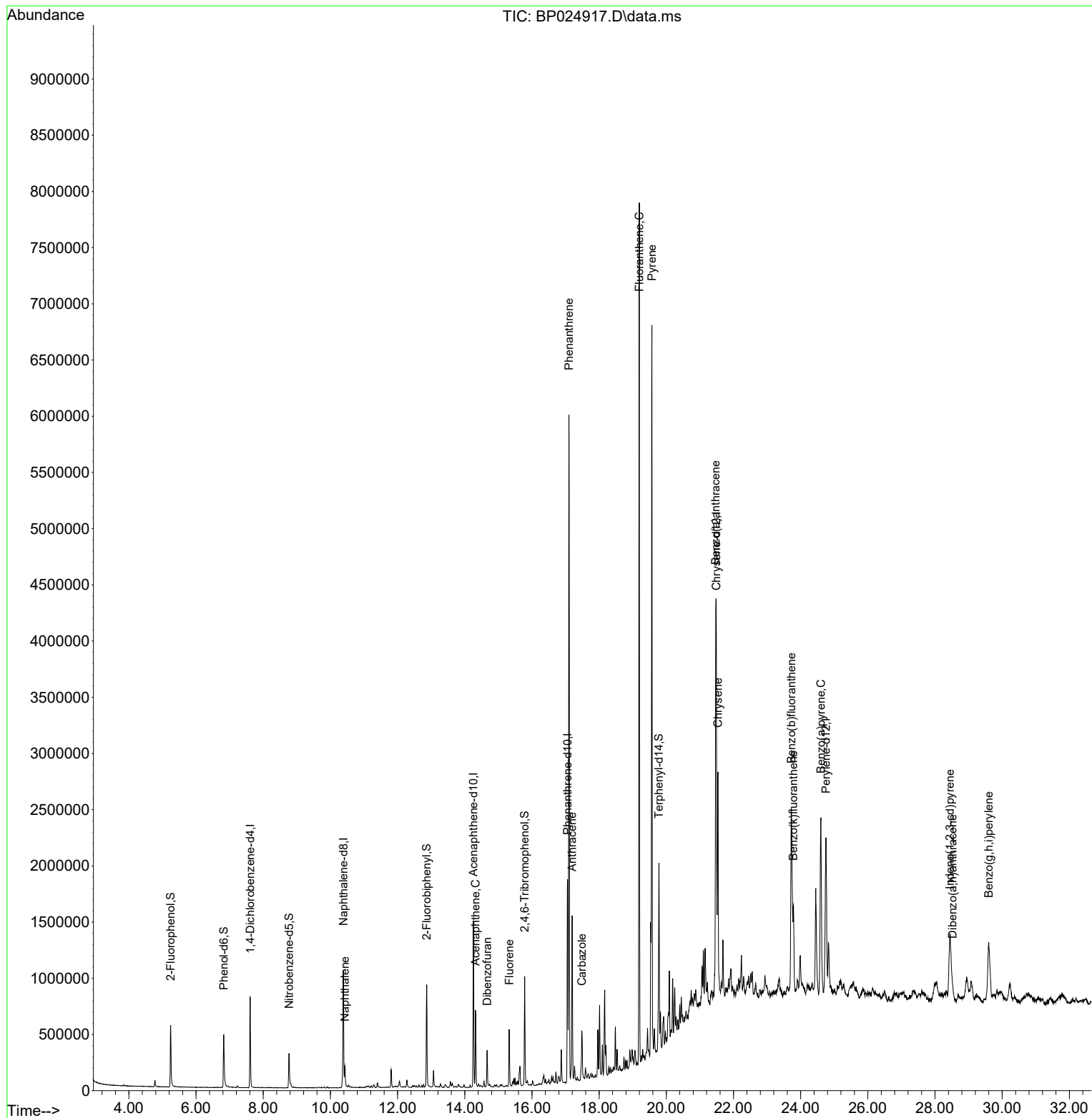
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Acq On : 11 Jun 2025 18:27
Operator : RC/JU
Sample : Q2177-02DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

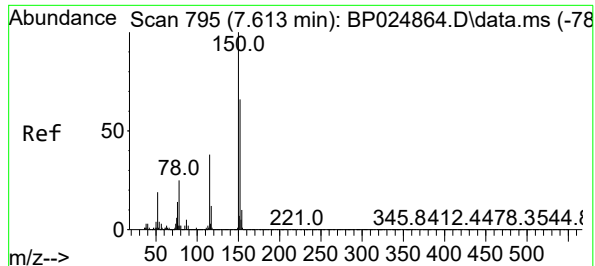
Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

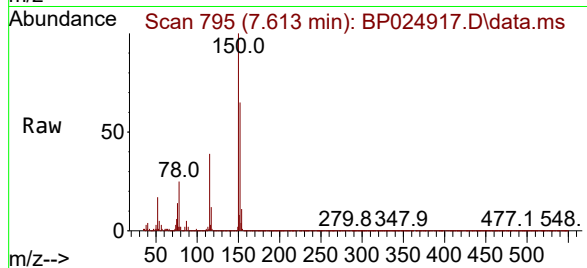
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 795
Delta R.T. 0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

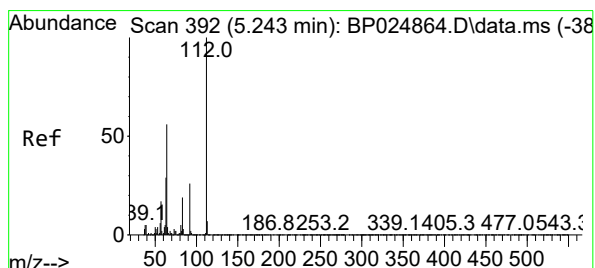
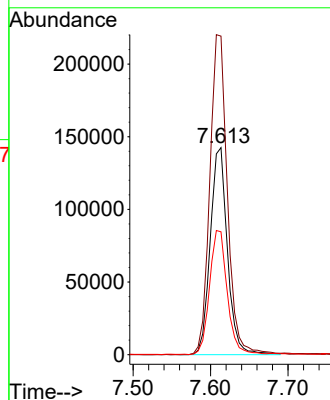
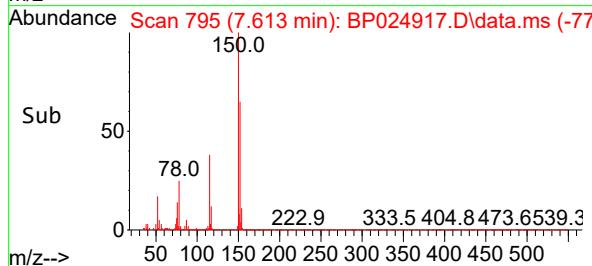
Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL



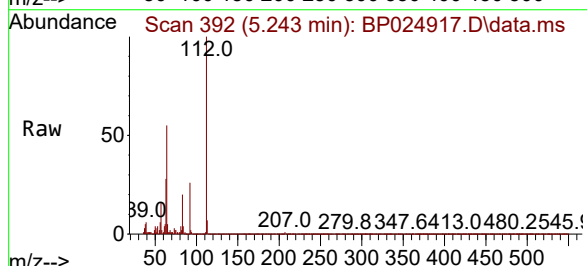
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Ion Ratio Lower Upper
152 100
150 153.9 122.1 183.1
115 59.4 46.4 69.6

Manual Integrations
APPROVED

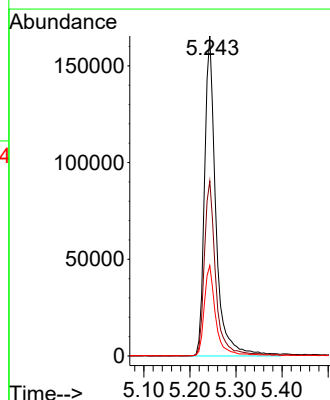
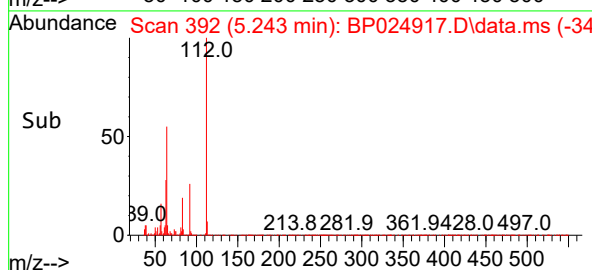
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

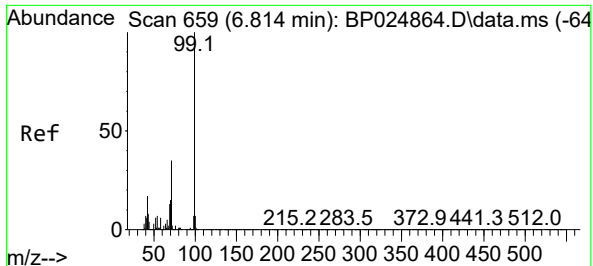


#5
2-Fluorophenol
Concen: 21.688 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27



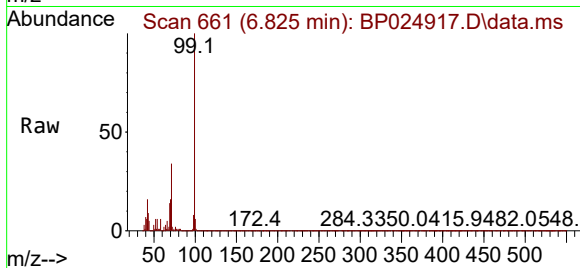
Tgt Ion:112 Resp: 285761
Ion Ratio Lower Upper
112 100
64 54.7 44.7 67.1
63 28.3 23.5 35.3





#7
Phenol-d6
Concen: 20.755 ng
RT: 6.825 min Scan# 60
Delta R.T. 0.012 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

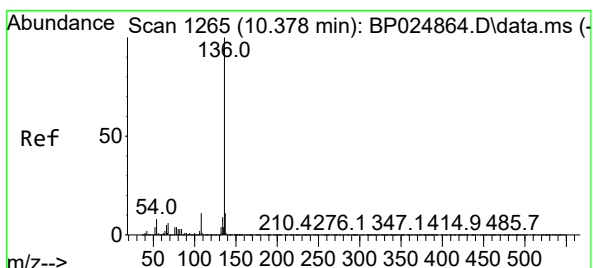
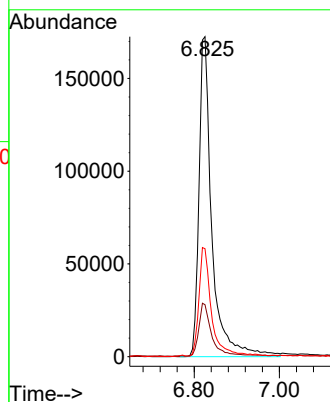
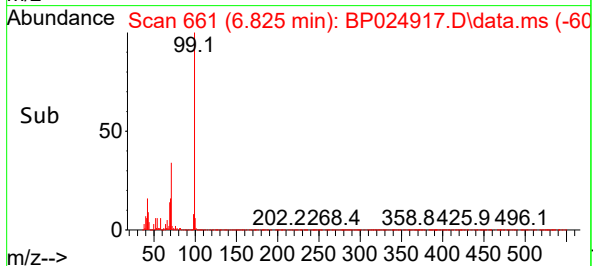
Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL



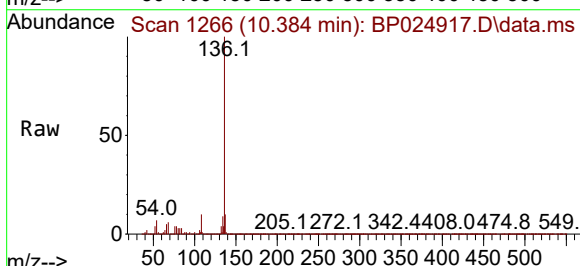
Tgt Ion: 99 Resp: 36183
Ion Ratio Lower Upper
99 100
42 16.3 13.4 20.2
71 33.7 27.6 41.4

Manual Integrations
APPROVED

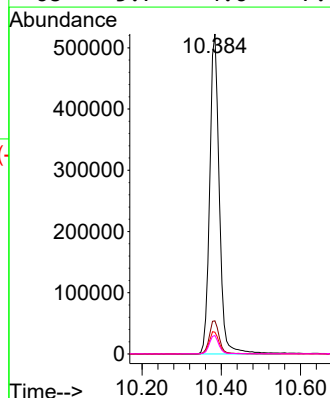
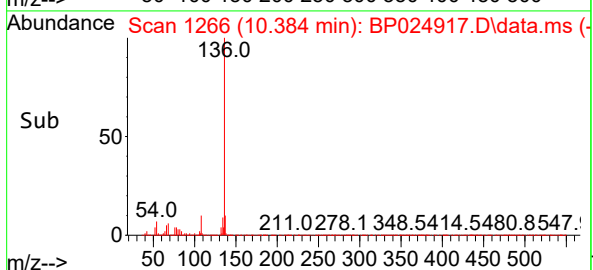
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

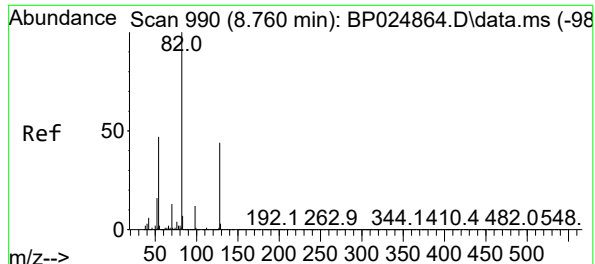


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27



Tgt Ion:136 Resp: 879842
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 6.8 6.1 9.1
68 5.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 12.203 ng

RT: 8.766 min Scan# 991

Delta R.T. 0.006 min

Lab File: BP024917.D

Acq: 11 Jun 2025 18:27

Instrument :

BNA_P

ClientSampleId :

B-187-SB01DL

Tgt Ion: 82 Resp: 22095

Ion Ratio Lower Upper

82 100

128 41.5 35.3 52.9

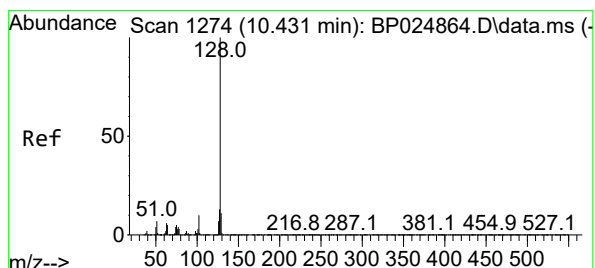
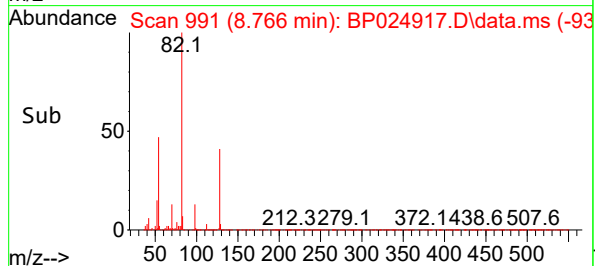
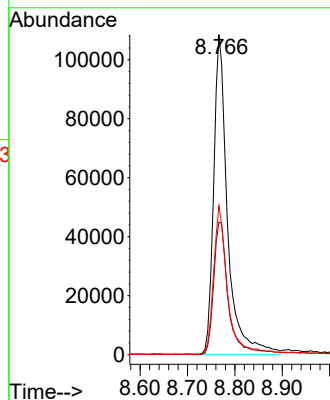
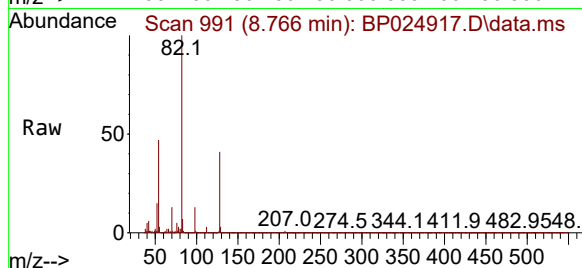
54 46.5 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/12/2025

Supervised By :mohammad ahmed 06/13/2025



#31

Naphthalene

Concen: 3.391 ng

RT: 10.431 min Scan# 1274

Delta R.T. -0.000 min

Lab File: BP024917.D

Acq: 11 Jun 2025 18:27

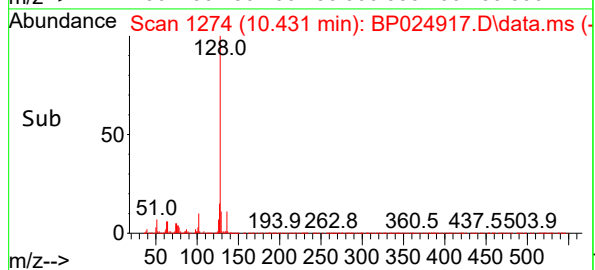
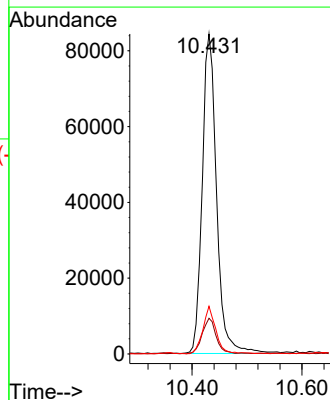
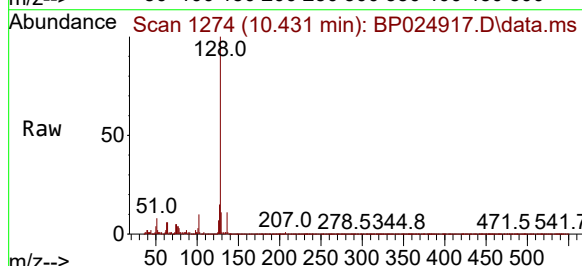
Tgt Ion:128 Resp: 152893

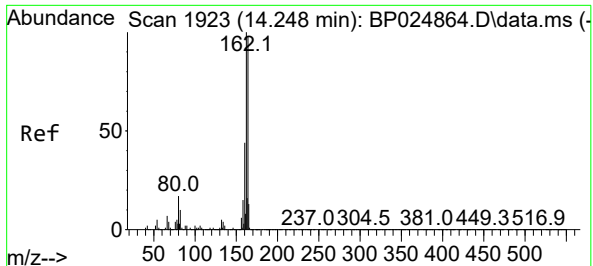
Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

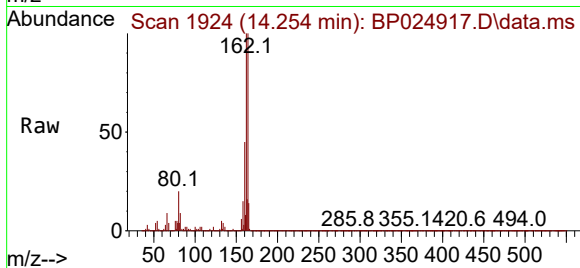
127 14.9 10.7 16.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

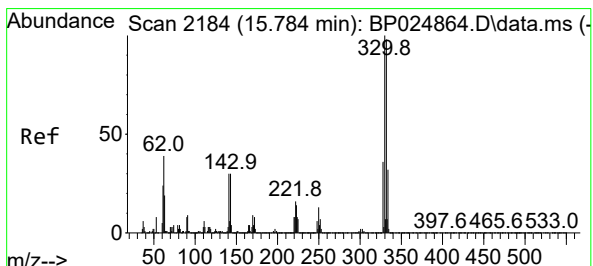
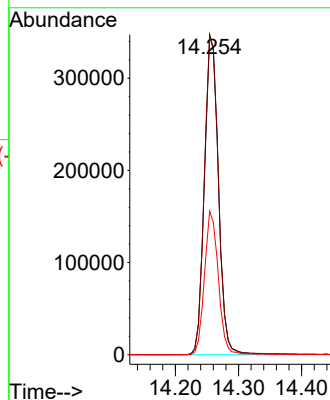
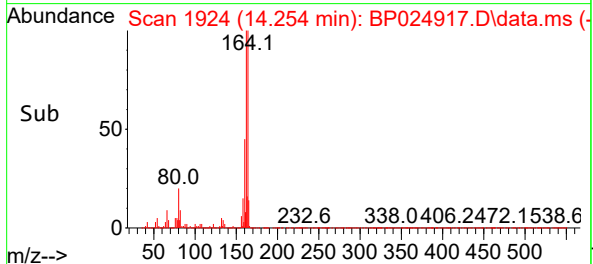
Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL



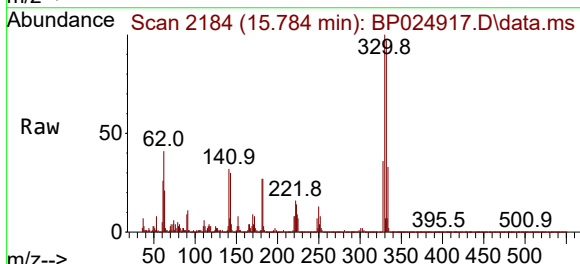
Tgt Ion:164 Resp: 53315
Ion Ratio Lower Upper
164 100
162 99.7 81.6 122.4
160 44.9 36.2 54.2

Manual Integrations
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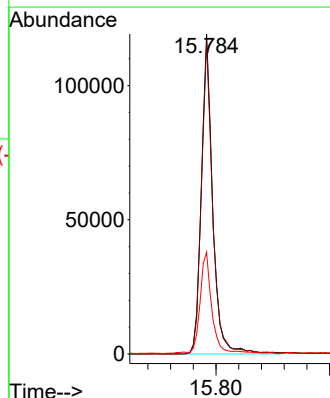
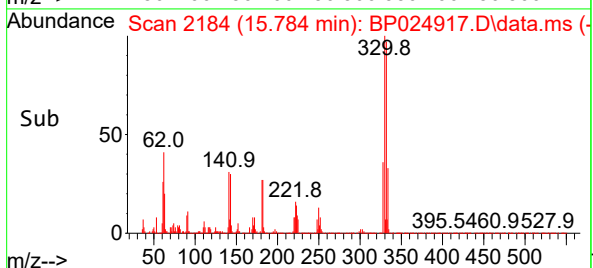
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

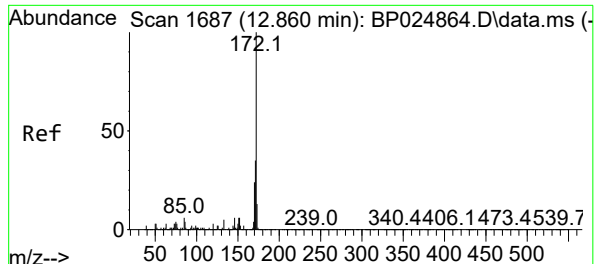


#42
2,4,6-Tribromophenol
Concen: 22.363 ng
RT: 15.784 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27



Tgt Ion:330 Resp: 164843
Ion Ratio Lower Upper
330 100
332 97.2 77.7 116.5
141 32.9 26.4 39.6





#45

2-Fluorobiphenyl

Concen: 12.620 ng

RT: 12.866 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP024917.D

Acq: 11 Jun 2025 18:27

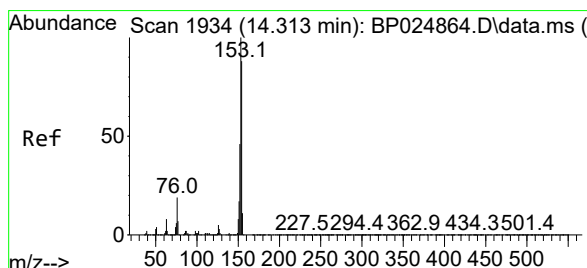
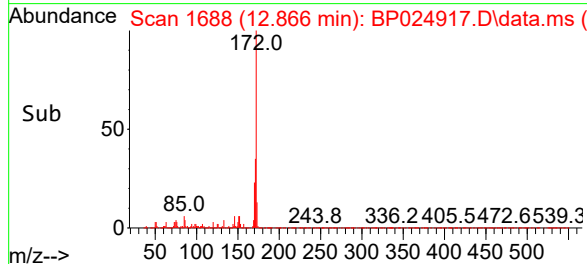
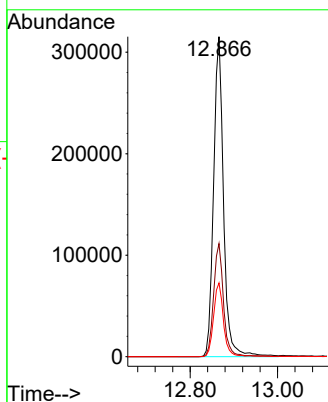
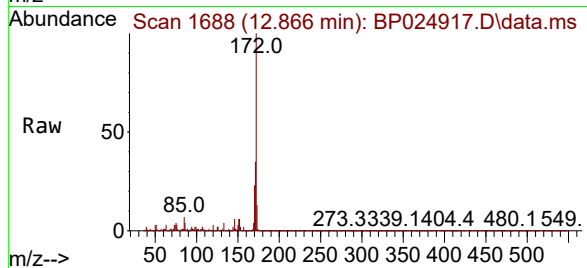
Instrument :

BNA_P

ClientSampleId :

B-187-SB01DL

Tgt Ion:	172	Resp:	499450
Ion Ratio	Lower	Upper	
172	100		
171	35.3	28.3	42.5
170	23.0	19.0	28.4

Manual Integrations
APPROVEDReviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

#52

Acenaphthene

Concen: 8.388 ng

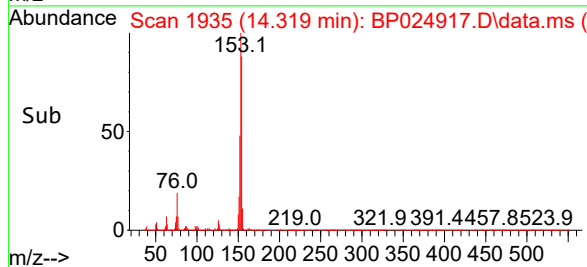
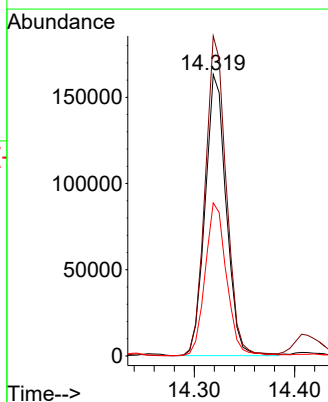
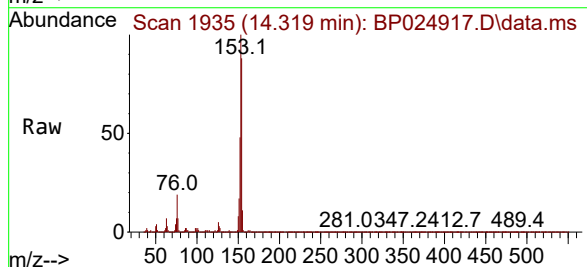
RT: 14.319 min Scan# 1935

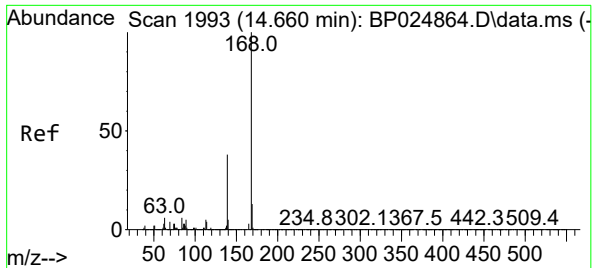
Delta R.T. 0.006 min

Lab File: BP024917.D

Acq: 11 Jun 2025 18:27

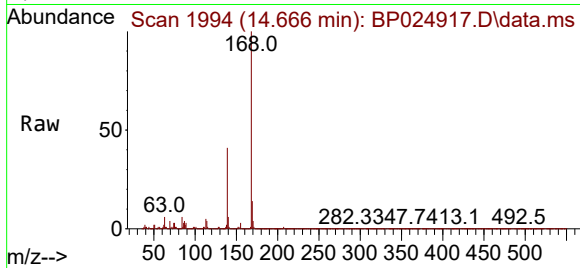
Tgt Ion:	154	Resp:	238656
Ion Ratio	Lower	Upper	
154	100		
153	113.7	90.5	135.7
152	54.4	42.1	63.1





#55
Dibenzenofuran
Concen: 4.710 ng
RT: 14.666 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

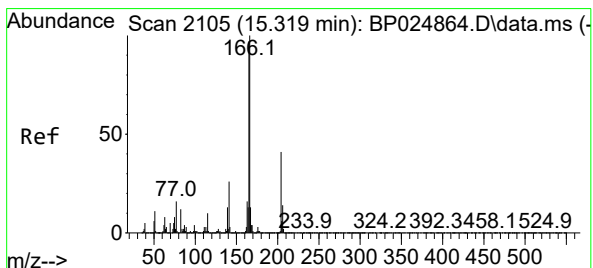
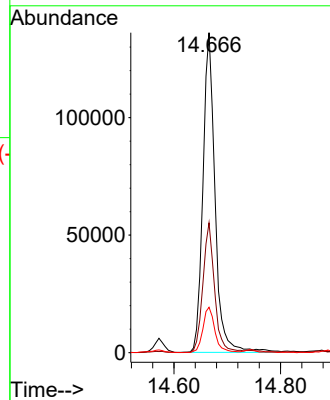
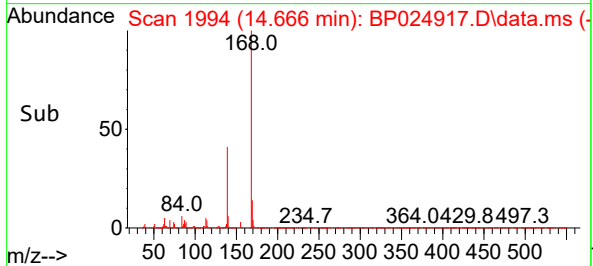
Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL



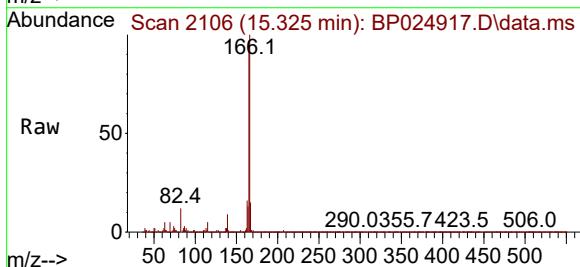
Tgt Ion:168 Resp: 215094
Ion Ratio Lower Upper
168 100
139 40.6 31.6 47.4
169 14.2 10.6 15.8

Manual Integrations
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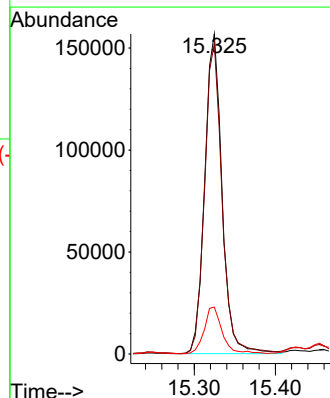
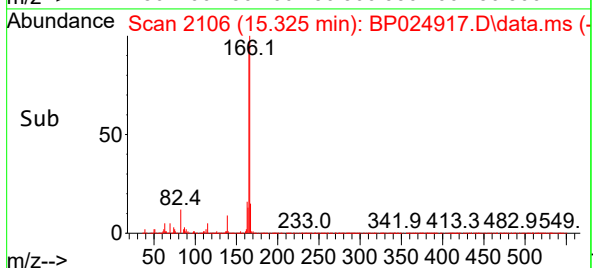
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

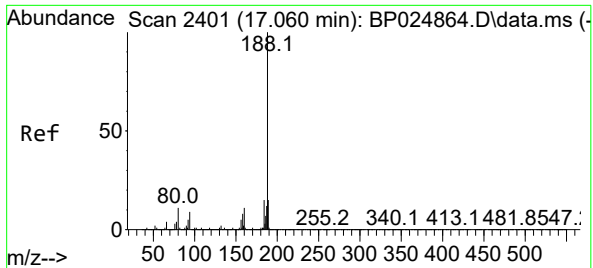


#58
Fluorene
Concen: 6.290 ng
RT: 15.325 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27



Tgt Ion:166 Resp: 232055
Ion Ratio Lower Upper
166 100
165 97.0 77.7 116.5
167 14.7 10.6 16.0





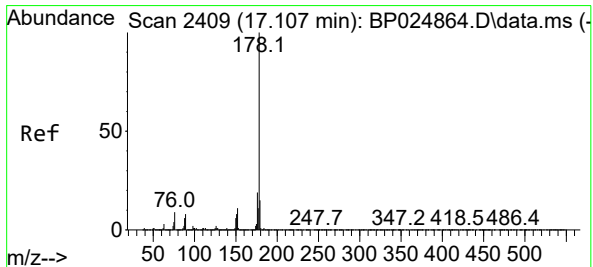
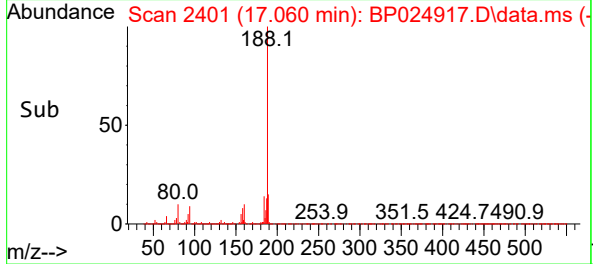
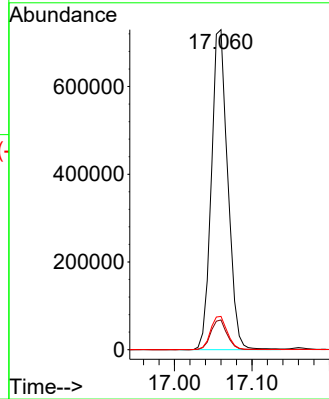
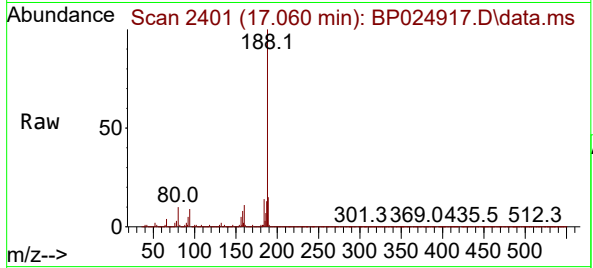
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL

Tgt Ion:188 Resp: 1070454
Ion Ratio Lower Upper
188 100
94 9.3 7.3 10.9
80 10.4 8.5 12.7

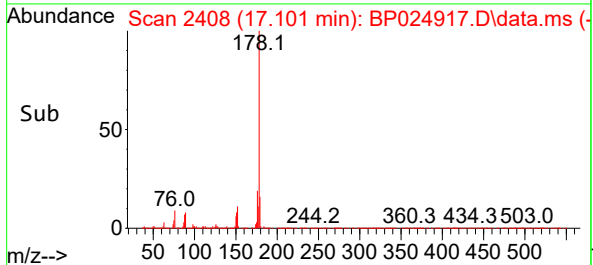
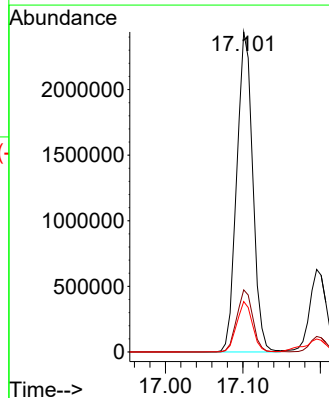
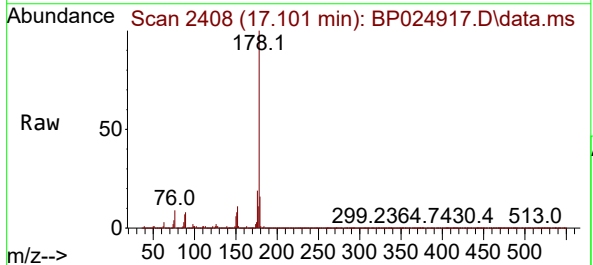
Manual Integrations
APPROVED

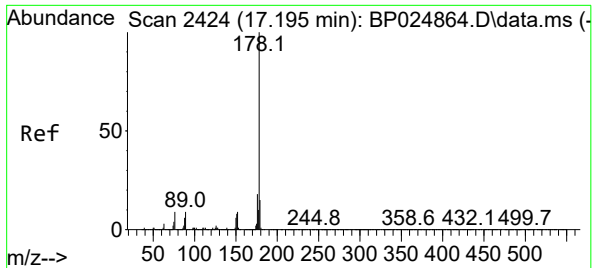
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



#71
Phenanthrene
Concen: 59.354 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

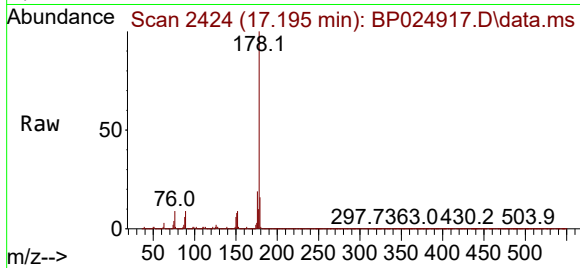
Tgt Ion:178 Resp: 3511051
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.7 12.1 18.1





#72
 Anthracene
 Concen: 15.368 ng
 RT: 17.195 min Scan# 2424
 Delta R.T. -0.000 min
 Lab File: BP024917.D
 Acq: 11 Jun 2025 18:27

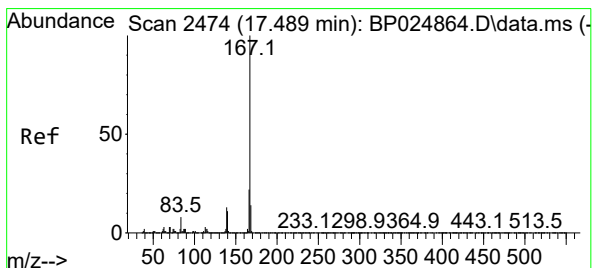
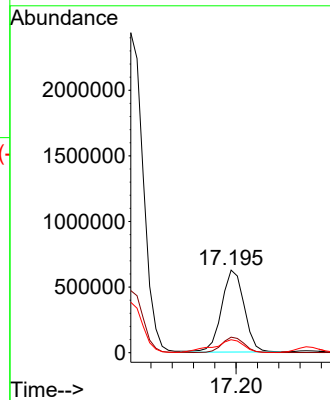
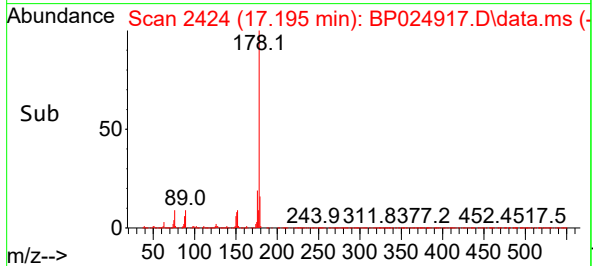
Instrument :
 BNA_P
 ClientSampleId :
 B-187-SB01DL



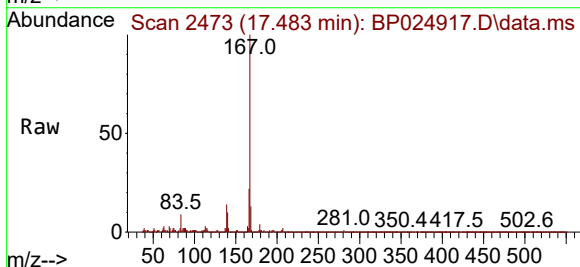
Tgt Ion:178 Resp: 920711
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.7 22.1
 179 15.7 12.3 18.5

Manual Integrations
 APPROVED

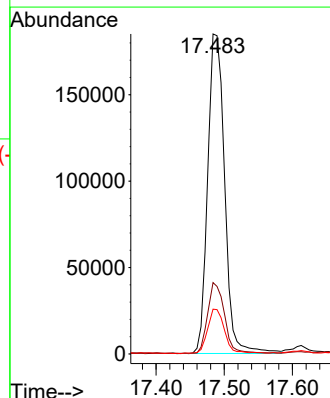
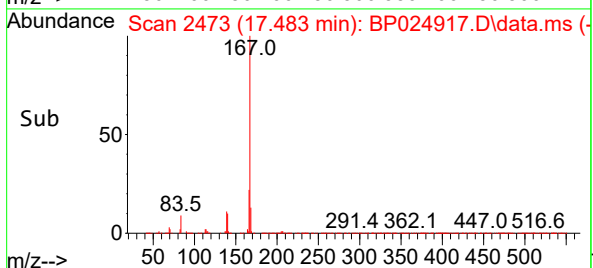
Reviewed By :Anahy Claudio 06/12/2025
 Supervised By :mohammad ahmed 06/13/2025

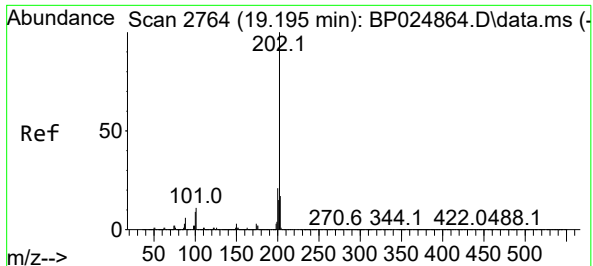


#73
 Carbazole
 Concen: 5.790 ng
 RT: 17.483 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BP024917.D
 Acq: 11 Jun 2025 18:27



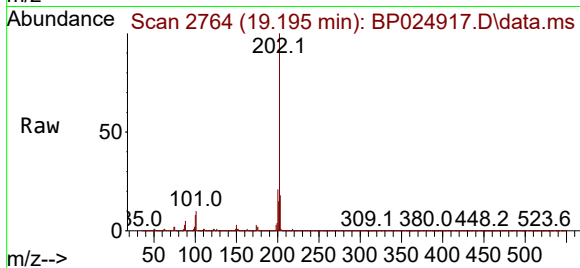
Tgt Ion:167 Resp: 321499
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.3 25.9
 139 14.0 10.8 16.2





#75
Fluoranthene
Concen: 60.320 ng
RT: 19.195 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

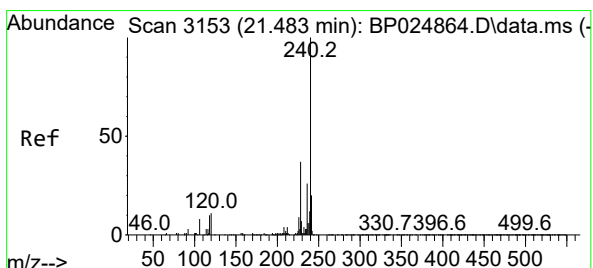
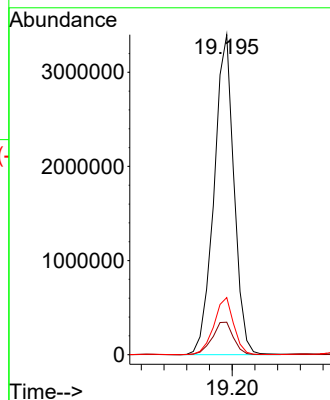
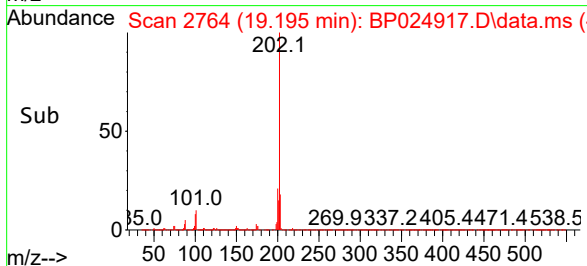
Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL



Tgt Ion:202 Resp: 413570
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.4
203 17.9 0.0 37.5

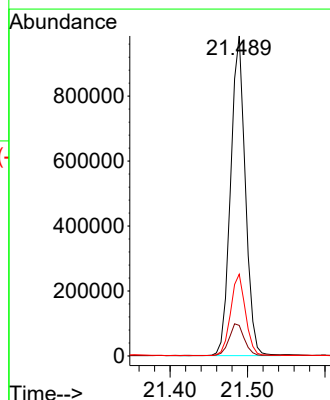
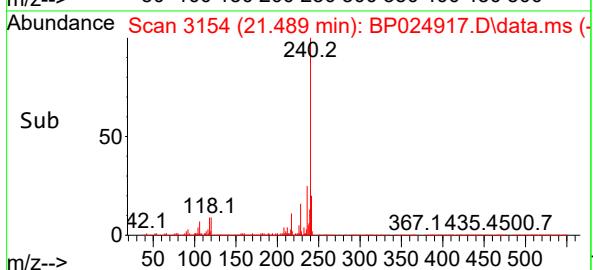
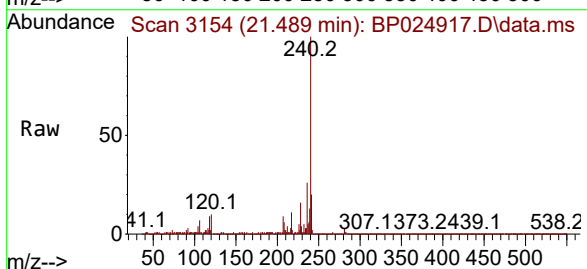
Manual Integrations
APPROVED

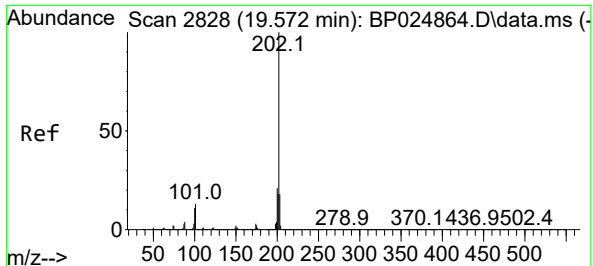
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

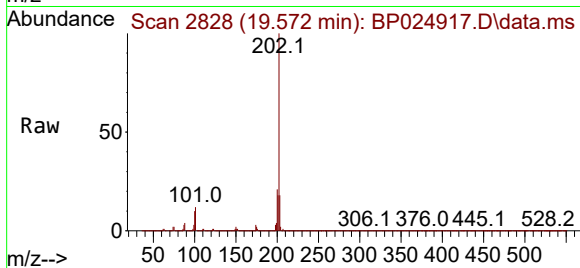
Tgt Ion:240 Resp: 1300156
Ion Ratio Lower Upper
240 100
120 9.6 8.9 13.3
236 25.6 20.9 31.3





#78
Pyrene
Concen: 45.446 ng
RT: 19.572 min Scan# 2828
Delta R.T. -0.000 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

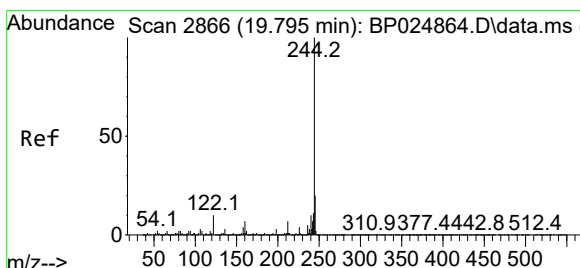
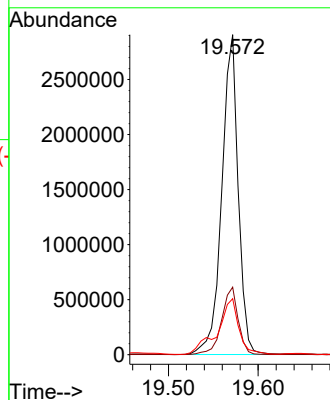
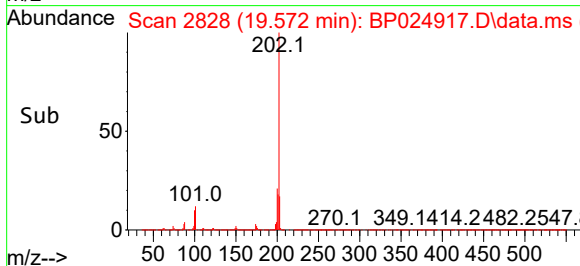
Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL



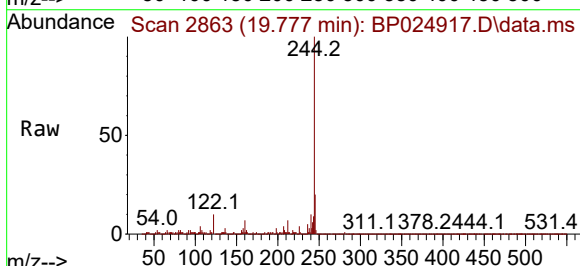
Tgt Ion: 202 Resp: 369140
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.5 14.0 21.0

Manual Integrations
APPROVED

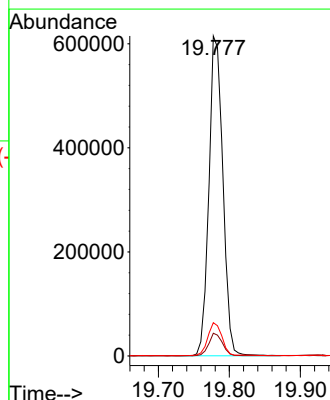
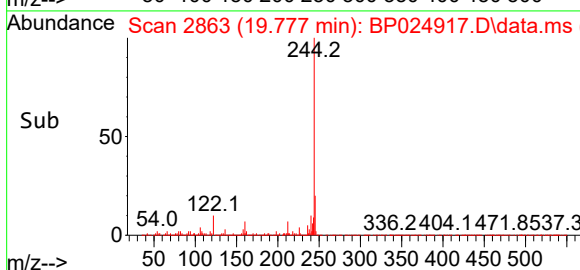
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

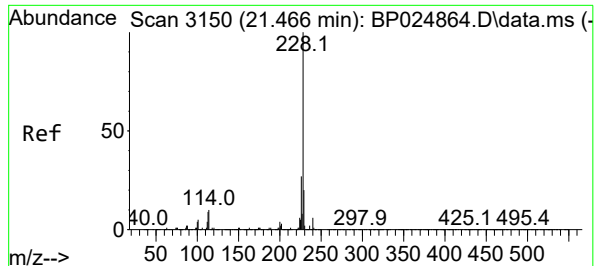


#79
Terphenyl-d14
Concen: 11.627 ng
RT: 19.777 min Scan# 2863
Delta R.T. -0.018 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27



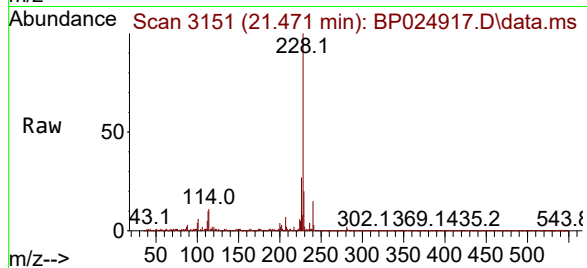
Tgt Ion: 244 Resp: 843470
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 10.4 7.7 11.5





#81
Benzo(a)anthracene
Concen: 20.526 ng
RT: 21.471 min Scan# 3151
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

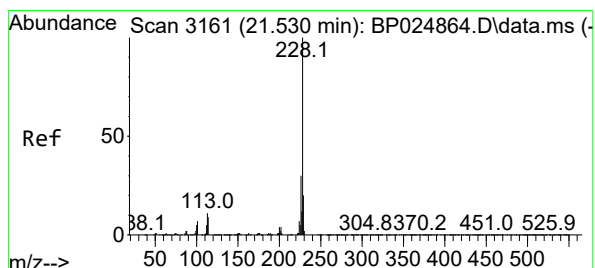
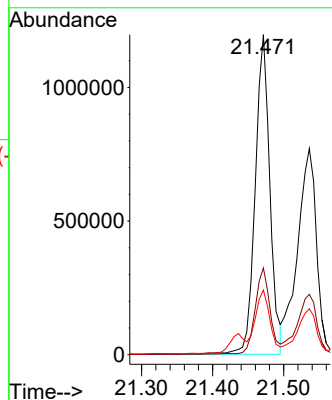
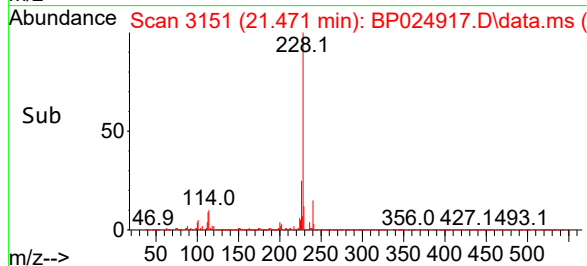
Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL



Tgt Ion:228 Resp: 170683
Ion Ratio Lower Upper
228 100
226 27.1 22.1 33.1
229 20.2 15.9 23.9

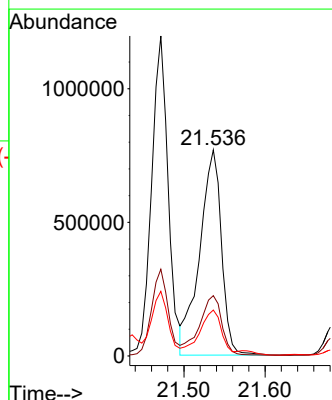
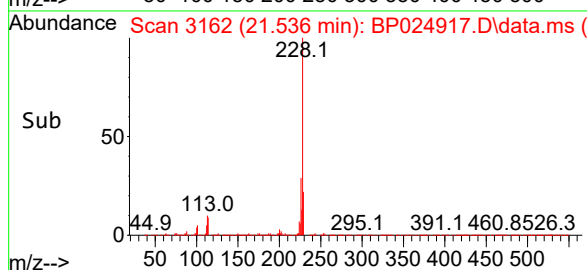
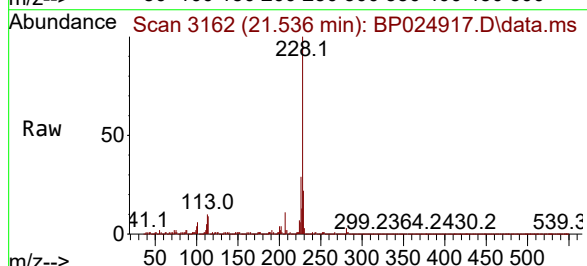
Manual Integrations
APPROVED

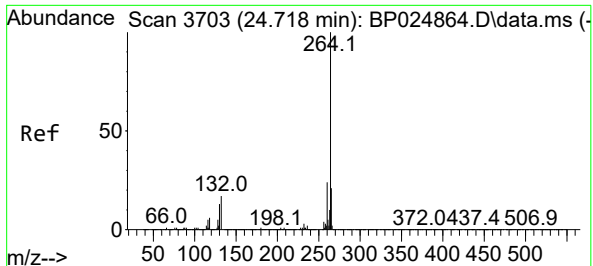
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



#83
Chrysene
Concen: 18.244 ng
RT: 21.536 min Scan# 3162
Delta R.T. 0.006 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

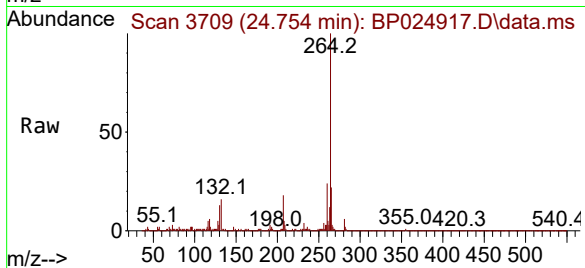
Tgt Ion:228 Resp: 1437484
Ion Ratio Lower Upper
228 100
226 29.3 23.8 35.6
229 22.3 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.754 min Scan# 31
Delta R.T. 0.035 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

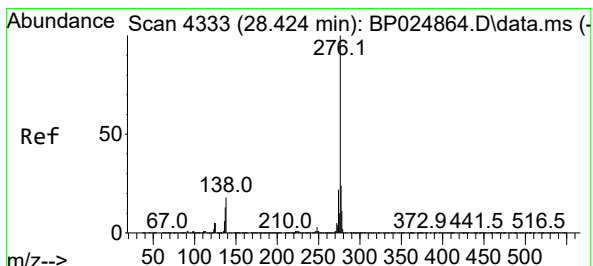
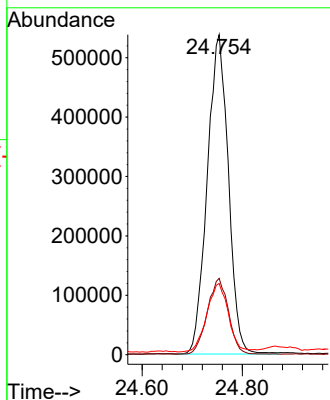
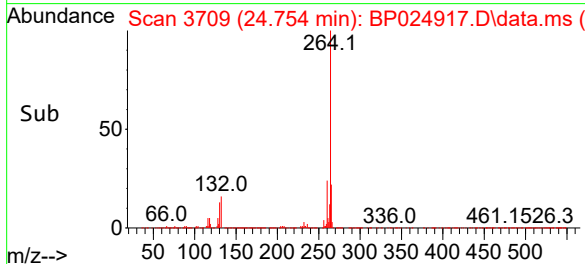
Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL



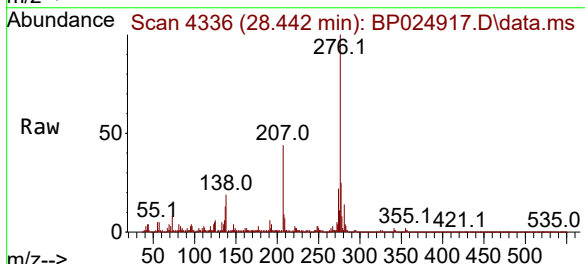
Tgt Ion:264 Resp: 157124
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 22.2 17.4 26.0

Manual Integrations
APPROVED

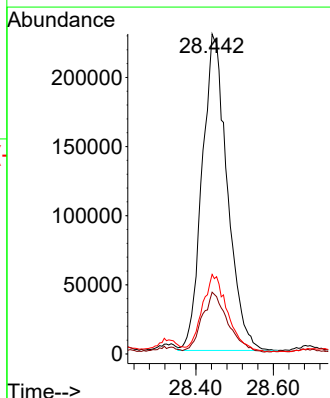
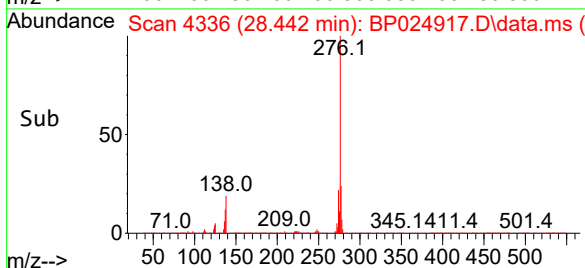
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

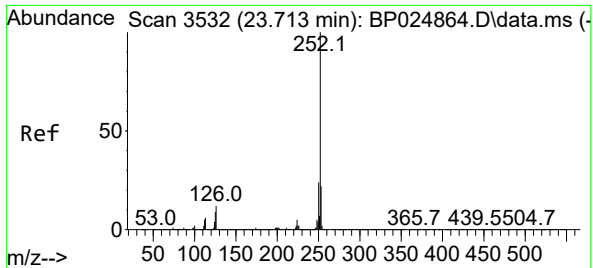


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.982 ng
RT: 28.442 min Scan# 4336
Delta R.T. 0.018 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27



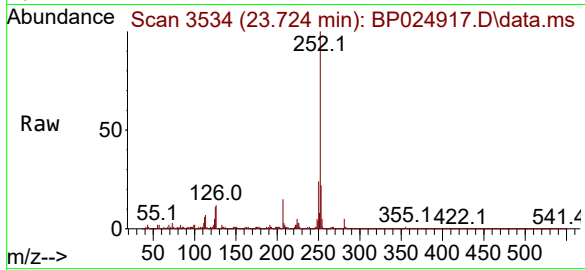
Tgt Ion:276 Resp: 1029739
Ion Ratio Lower Upper
276 100
138 19.2 18.6 27.8
277 24.4 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 21.208 ng
RT: 23.724 min Scan# 3532
Delta R.T. 0.012 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

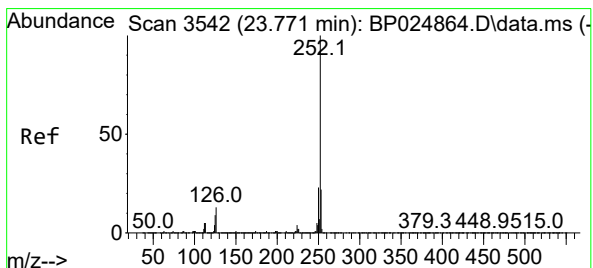
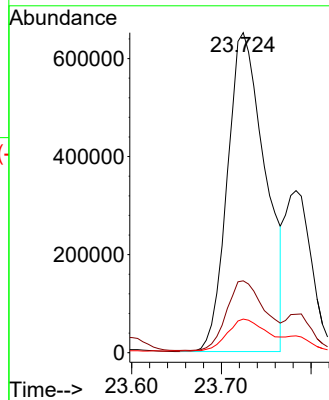
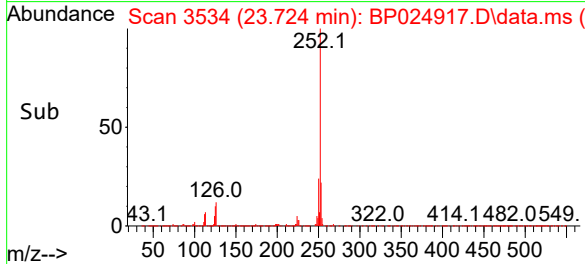
Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL



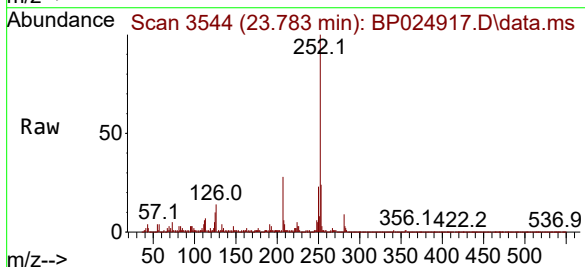
Tgt Ion:252 Resp: 190706
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 10.5 7.1 10.7

Manual Integrations
APPROVED

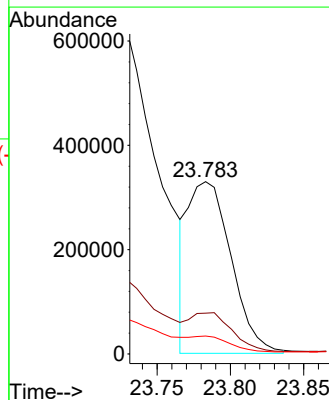
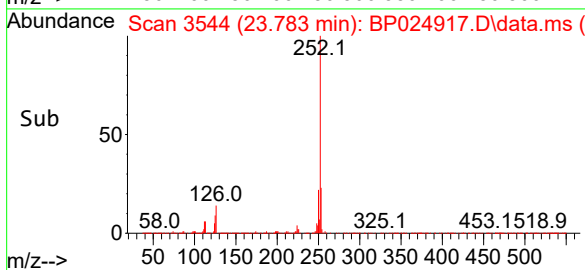
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

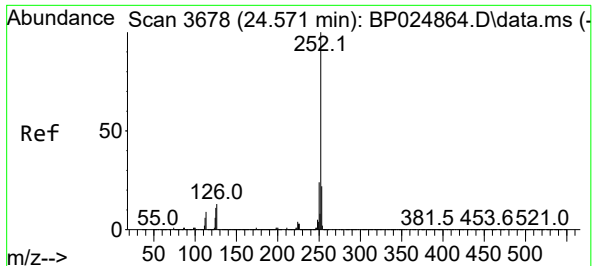


#89
Benzo(k)fluoranthene
Concen: 7.356 ng m
RT: 23.783 min Scan# 3544
Delta R.T. 0.012 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27



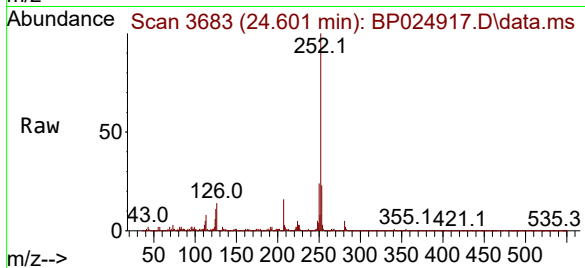
Tgt Ion:252 Resp: 673277
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 10.4 7.4 11.0





#90
Benzo(a)pyrene
Concen: 18.072 ng
RT: 24.601 min Scan# 3683
Delta R.T. 0.029 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27

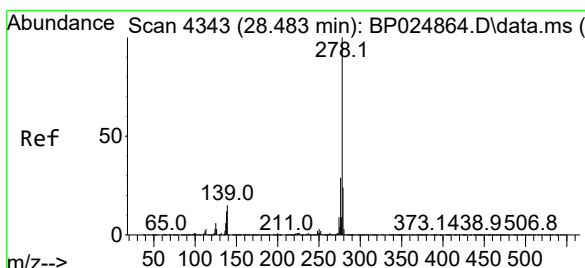
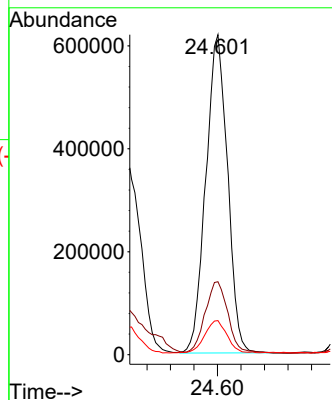
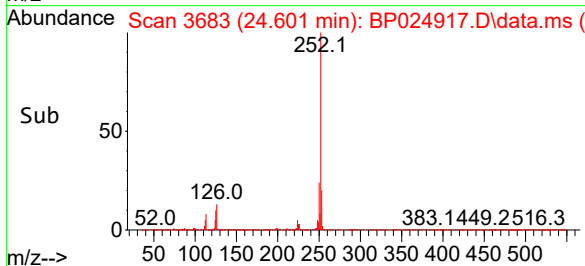
Instrument :
BNA_P
ClientSampleId :
B-187-SB01DL



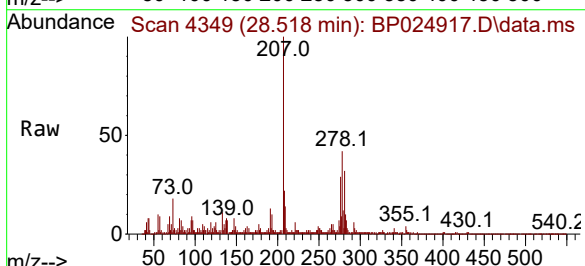
Tgt Ion:252 Resp: 1587050
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.7 8.8 13.2

Manual Integrations
APPROVED

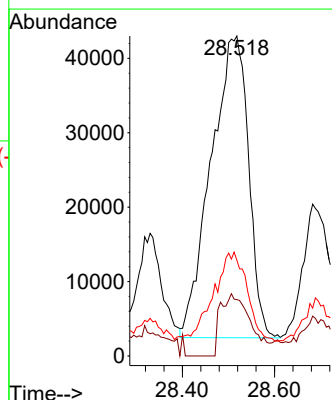
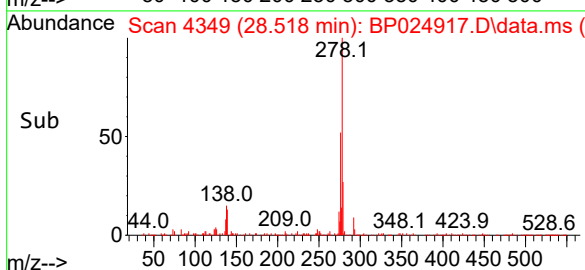
Reviewed By :Anahy Claudio 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

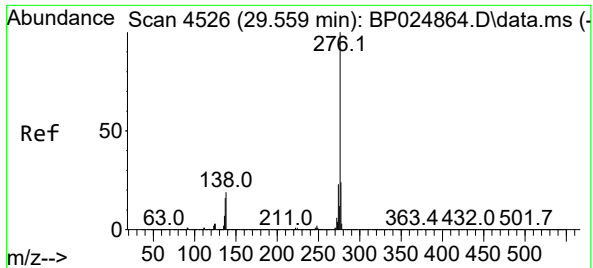


#91
Dibenzo(a,h)anthracene
Concen: 2.459 ng
RT: 28.518 min Scan# 4349
Delta R.T. 0.035 min
Lab File: BP024917.D
Acq: 11 Jun 2025 18:27



Tgt Ion:278 Resp: 229499
Ion Ratio Lower Upper
278 100
139 17.6 12.0 18.0
279 29.9 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 10.808 ng

RT: 29.600 min Scan# 4533

Delta R.T. 0.041 min

Lab File: BP024917.D

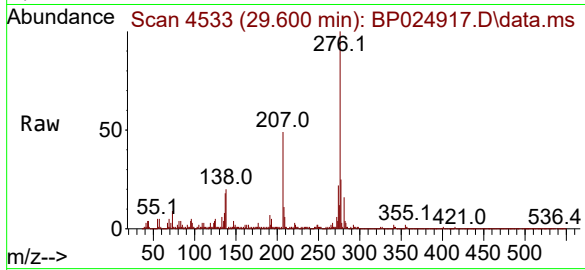
Acq: 11 Jun 2025 18:27

Instrument :

BNA_P

ClientSampleId :

B-187-SB01DL



Tgt Ion: 276 Resp: 1000654

Ion Ratio Lower Upper

276 100

277 25.0 19.1 28.7

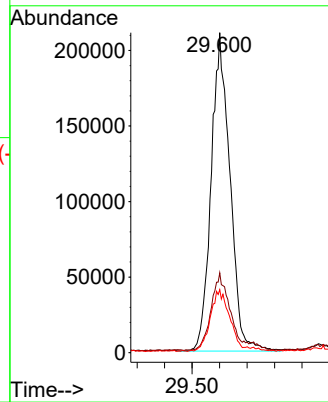
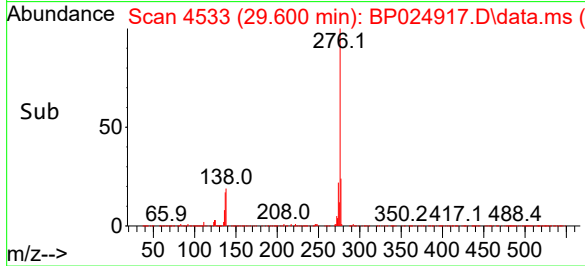
138 19.7 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/12/2025

Supervised By :mohammad ahmed 06/13/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 06 22:56:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	127118	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	464348	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	242206	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	341702	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	233121	20.000	ng	-0.01
86) Perylene-d12	15.562	264	281873	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	567965	75.275	ng	0.00
7) Phenol-d6	6.516	99	709724	78.141	ng	-0.02
23) Nitrobenzene-d5	7.451	82	418235	49.114	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	192758	71.706	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	851469	47.173	ng	-0.02
79) Terphenyl-d14	13.010	244	546241	32.020	ng	0.00

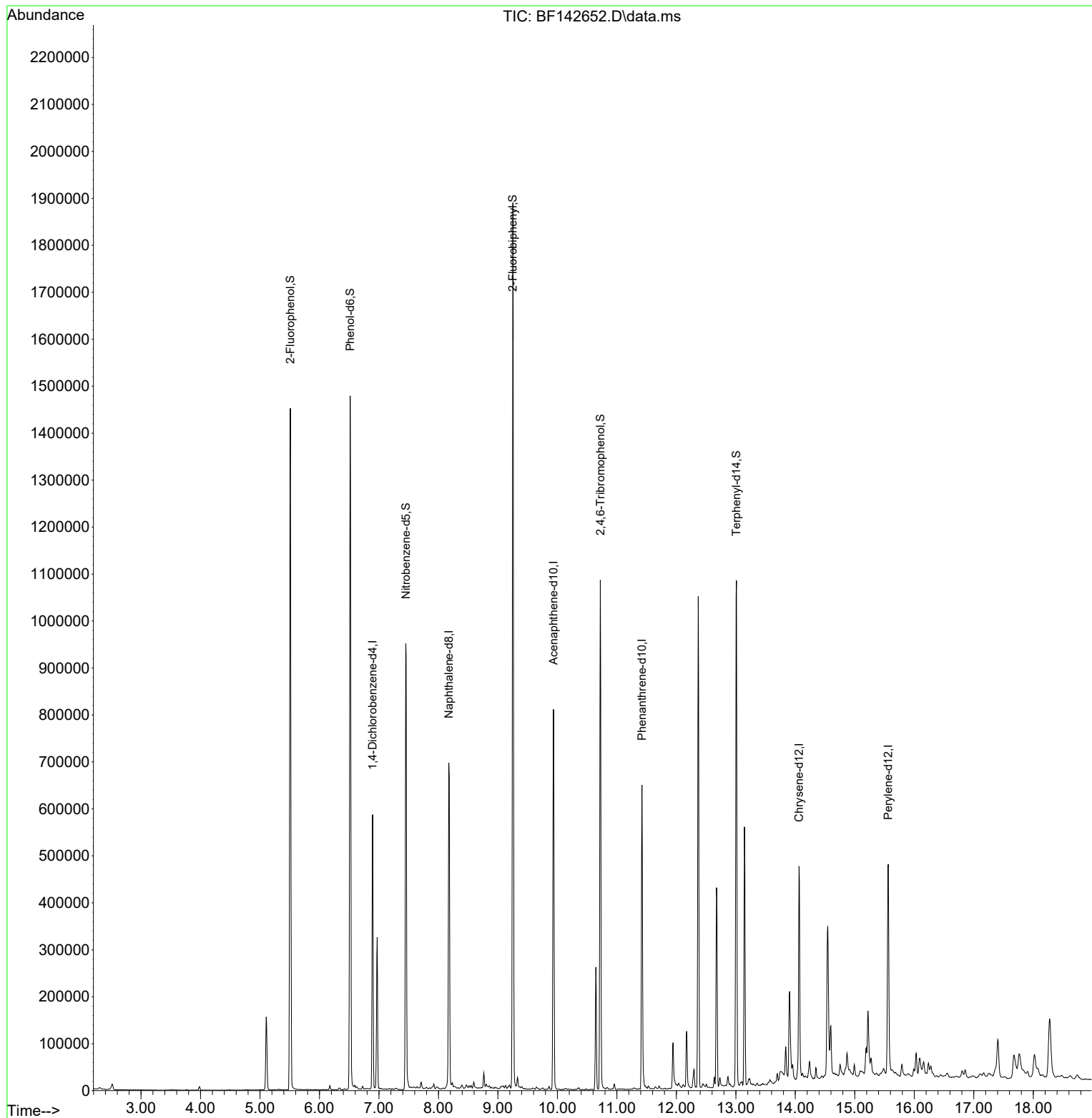
Target Compounds	Qvalue

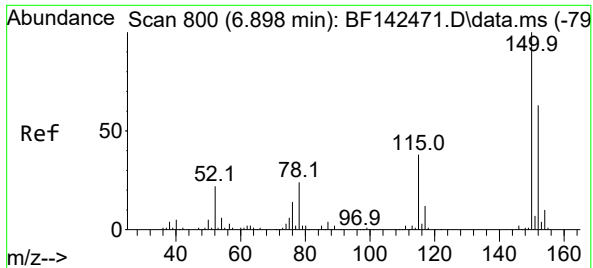
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Time: Jun 06 22:56:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

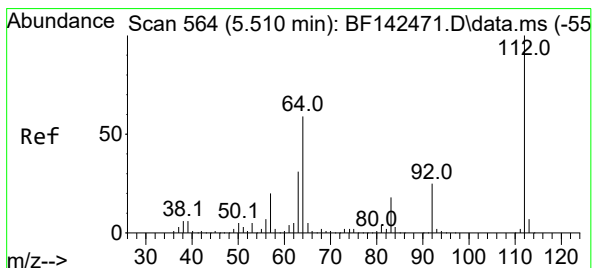
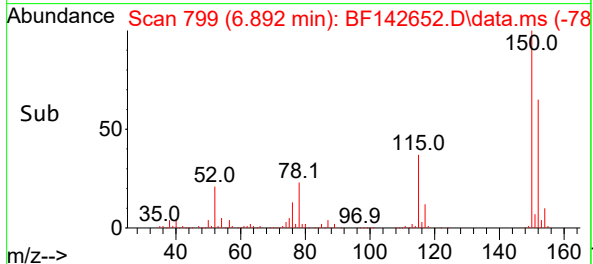
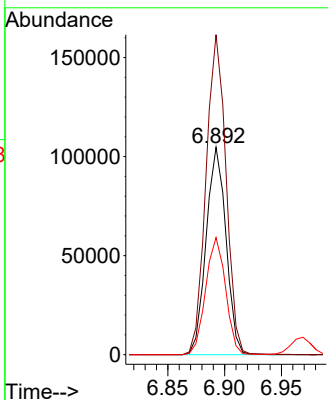
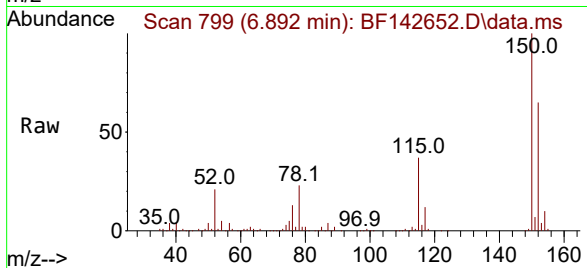




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

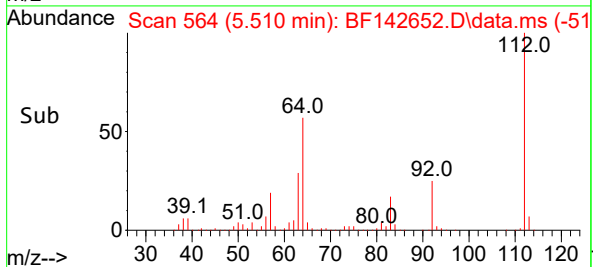
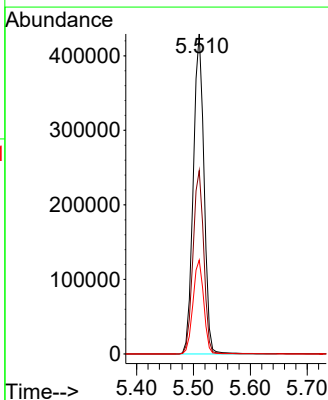
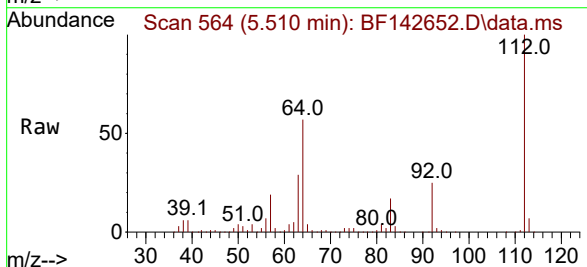
Instrument :
BNA_F
ClientSampleId :
B-187-SB02

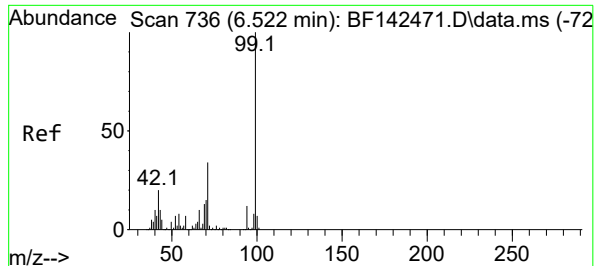
Tgt Ion:152 Resp: 127118
Ion Ratio Lower Upper
152 100
150 154.4 128.2 192.4
115 56.5 48.3 72.5



#5
2-Fluorophenol
Concen: 75.275 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

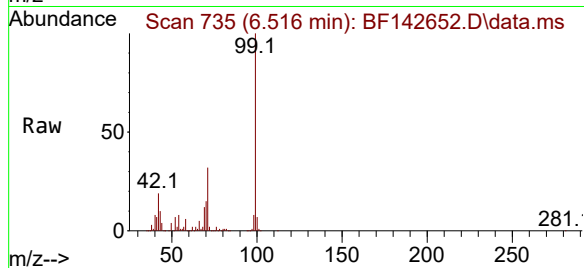
Tgt Ion:112 Resp: 567965
Ion Ratio Lower Upper
112 100
64 57.3 47.5 71.3
63 29.4 24.9 37.3



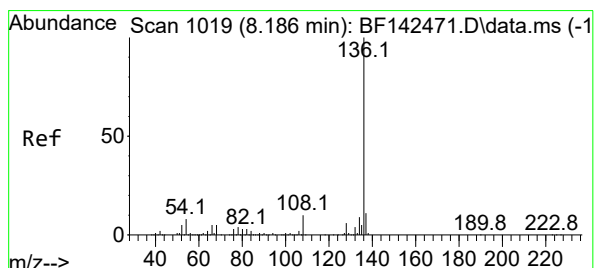
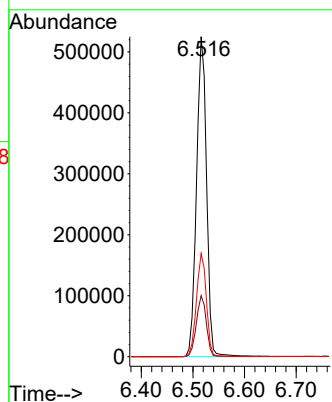
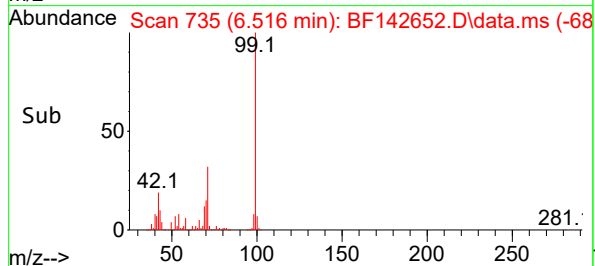


#7
Phenol-d6
Concen: 78.141 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

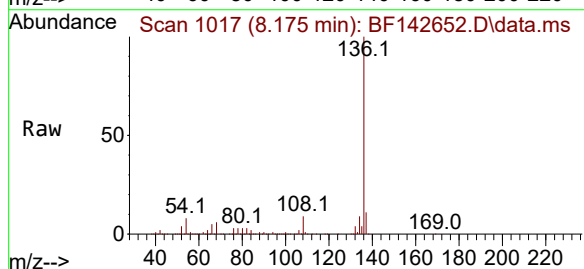
Instrument :
BNA_F
ClientSampleId :
B-187-SB02



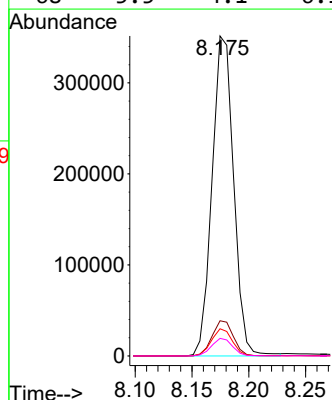
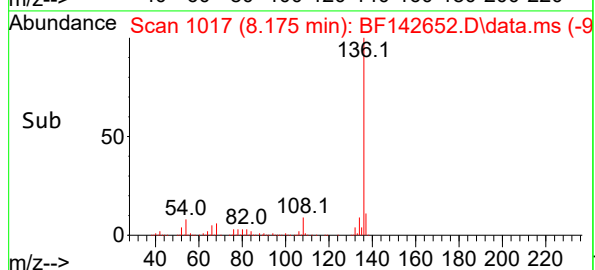
Tgt Ion: 99 Resp: 709724
Ion Ratio Lower Upper
99 100
42 19.0 16.2 24.2
71 32.2 27.3 40.9

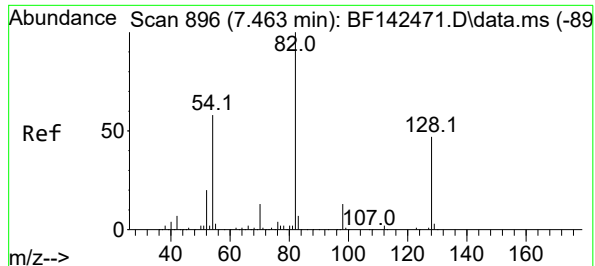


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01



Tgt Ion: 136 Resp: 464348
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.5 6.6 10.0
68 5.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 49.114 ng

RT: 7.451 min Scan# 89

Delta R.T. -0.023 min

Lab File: BF142652.D

Acq: 06 Jun 2025 18:01

Instrument :

BNA_F

ClientSampleId :

B-187-SB02

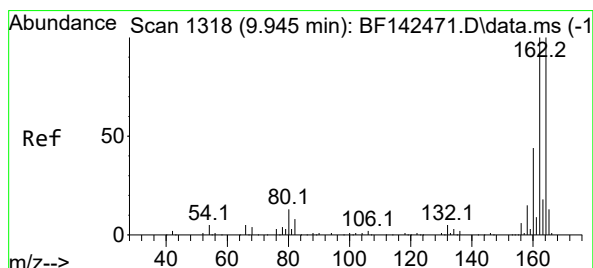
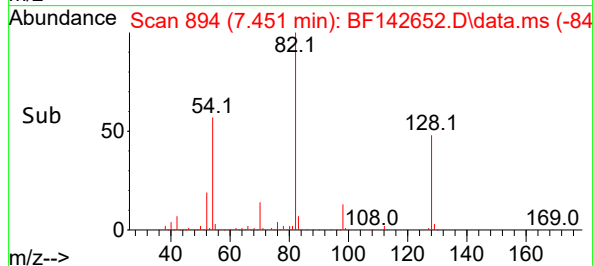
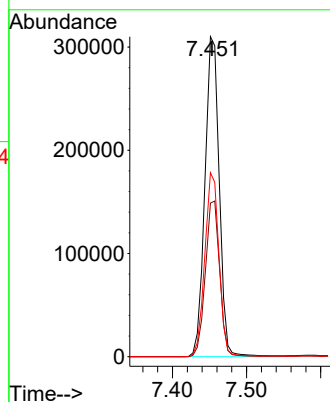
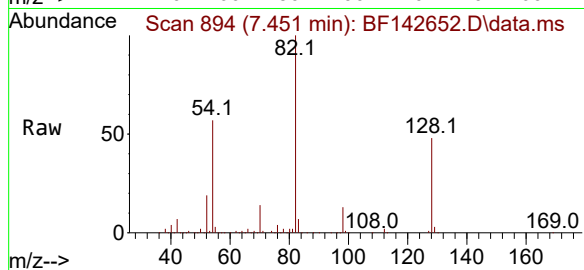
Tgt Ion: 82 Resp: 418235

Ion Ratio Lower Upper

82 100

128 48.0 37.4 56.2

54 57.5 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142652.D

Acq: 06 Jun 2025 18:01

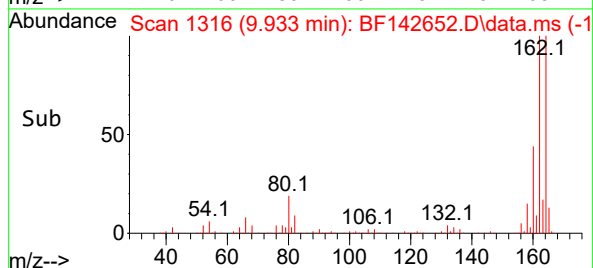
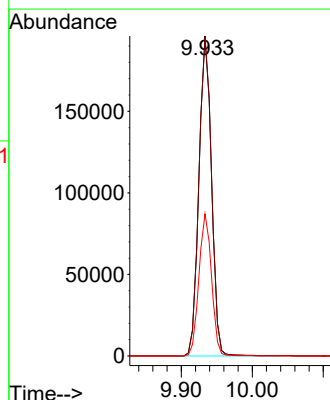
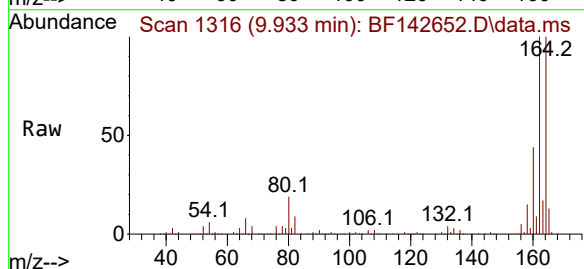
Tgt Ion: 164 Resp: 242206

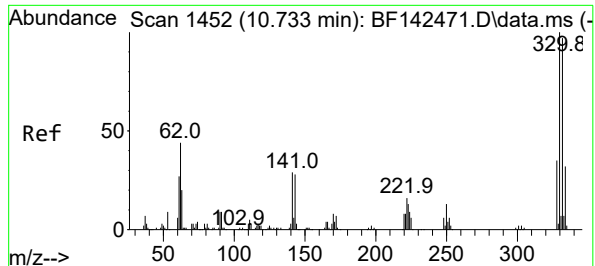
Ion Ratio Lower Upper

164 100

162 100.4 80.2 120.4

160 44.6 35.6 53.4

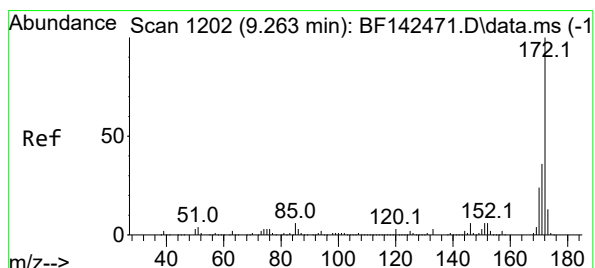
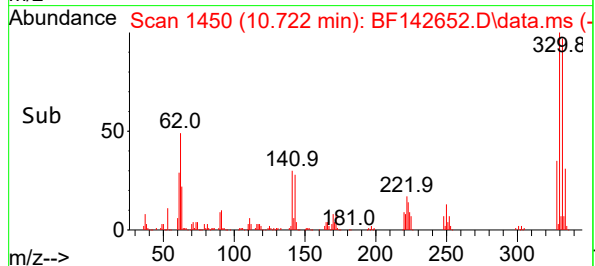
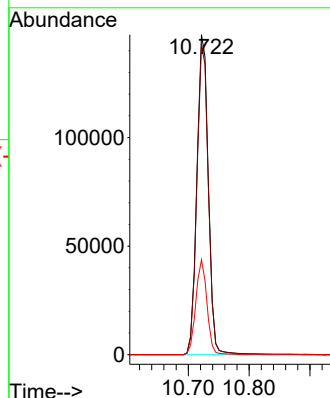
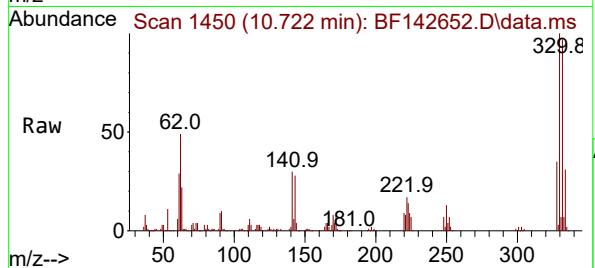




#42
2,4,6-Tribromophenol
Concen: 71.706 ng
RT: 10.722 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

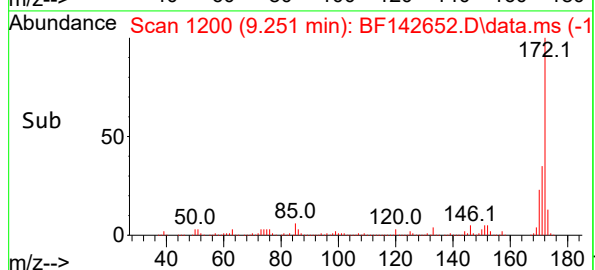
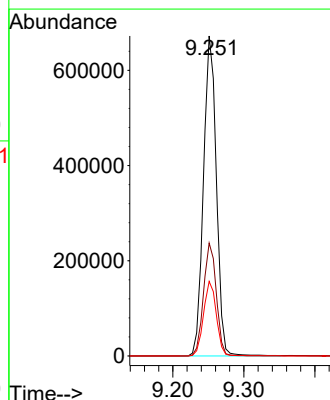
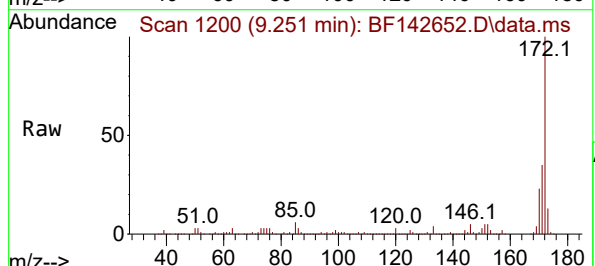
Instrument :
BNA_F
ClientSampleId :
B-187-SB02

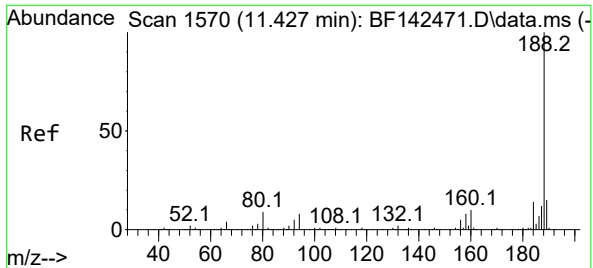
Tgt Ion: 330 Resp: 192758
Ion Ratio Lower Upper
330 100
332 97.1 77.6 116.4
141 28.8 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 47.173 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion: 172 Resp: 851469
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.3 18.9 28.3

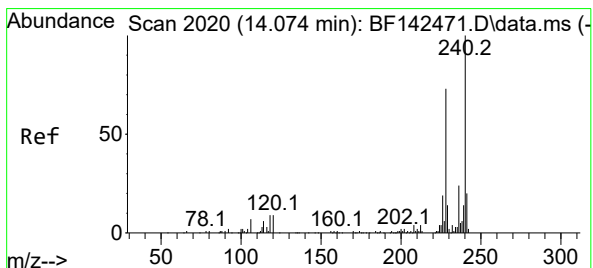
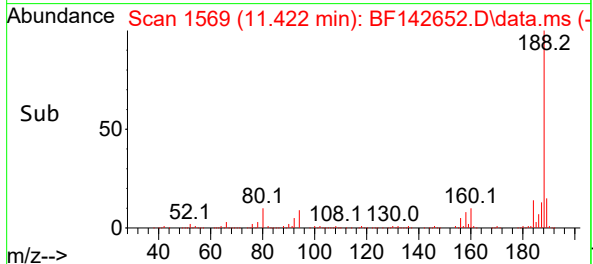
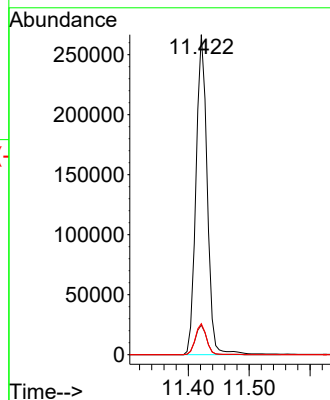
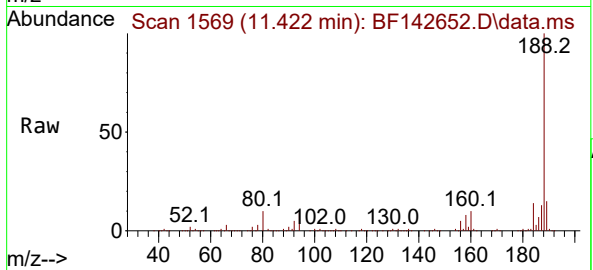




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

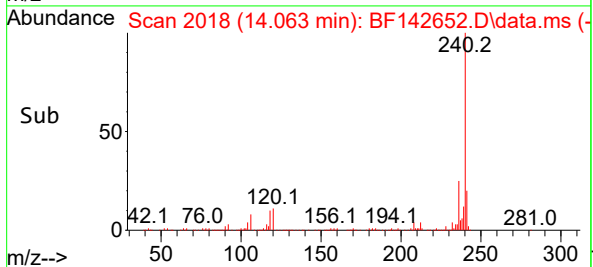
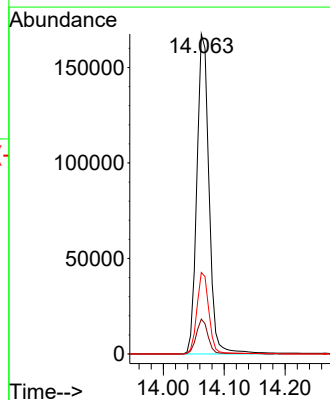
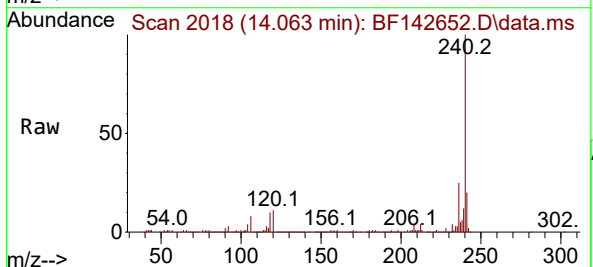
Instrument :
BNA_F
ClientSampleId :
B-187-SB02

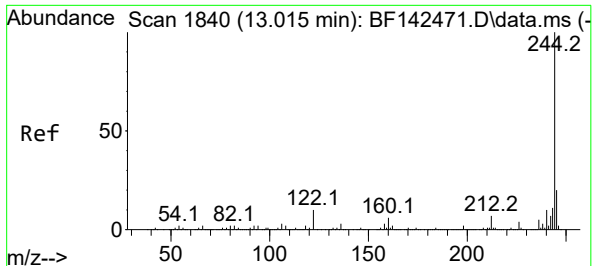
Tgt Ion:188 Resp: 341702
Ion Ratio Lower Upper
188 100
94 9.3 6.6 10.0
80 9.7 7.4 11.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:240 Resp: 233121
Ion Ratio Lower Upper
240 100
120 10.9 7.5 11.3
236 25.5 19.6 29.4





#79

Terphenyl-d14

Concen: 32.020 ng

RT: 13.010 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF142652.D

Acq: 06 Jun 2025 18:01

Instrument :

BNA_F

ClientSampleId :

B-187-SB02

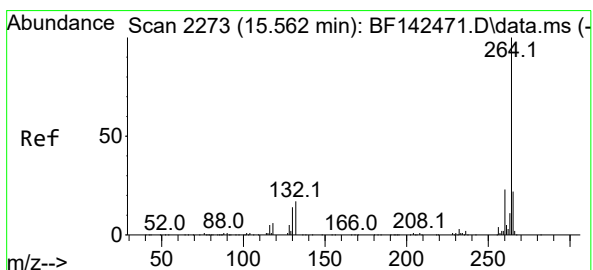
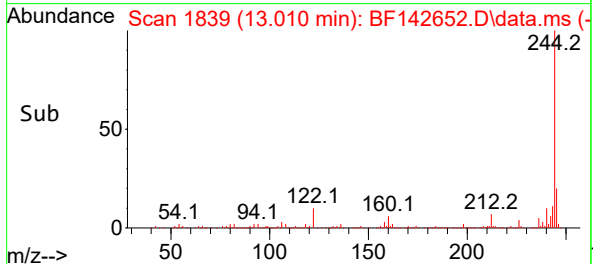
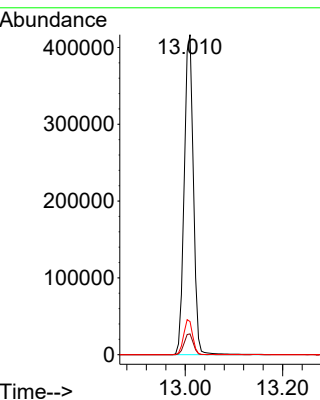
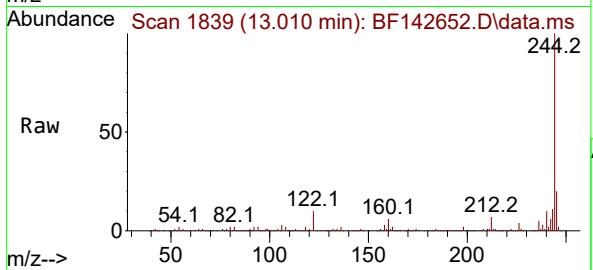
Tgt Ion:244 Resp: 546241

Ion Ratio Lower Upper

244 100

212 6.5 5.3 7.9

122 10.3 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF142652.D

Acq: 06 Jun 2025 18:01

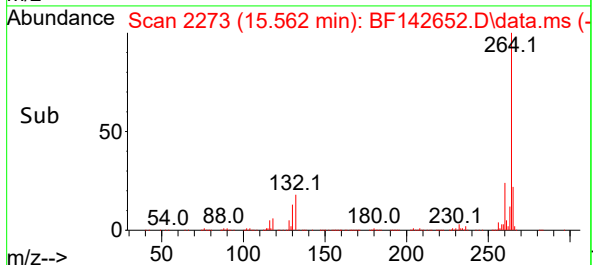
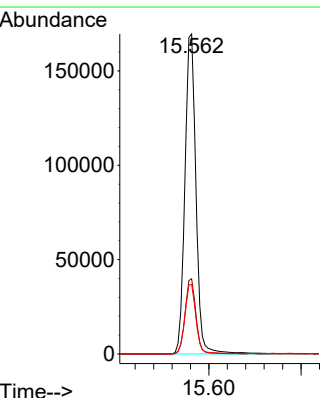
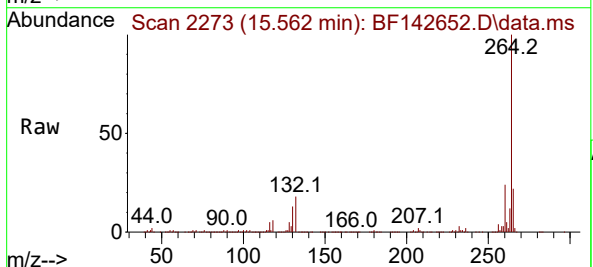
Tgt Ion:264 Resp: 281873

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 21.7 17.7 26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142652.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.516	46	55	64	rVB2	11970	27127	1.15%	0.121%
2	5.104	484	495	506	rBV	155212	225793	9.55%	1.009%
3	5.510	558	564	569	rBV	1451376	1908627	80.73%	8.527%
4	6.516	729	735	745	rBV	1475421	1997053	84.47%	8.922%
5	6.892	794	799	804	rBV	583883	712185	30.12%	3.182%
6	6.969	806	812	817	rVB	321378	397406	16.81%	1.776%
7	7.451	888	894	905	rBV	949590	1291747	54.63%	5.771%
8	8.175	1005	1017	1024	rBV	693439	939176	39.72%	4.196%
9	8.763	1112	1117	1121	rBV	31837	39932	1.69%	0.178%
10	9.251	1195	1200	1209	rBV	1884905	2364331	100.00%	10.563%
11	9.328	1209	1213	1219	rVB	21121	28246	1.19%	0.126%
12	9.933	1311	1316	1329	rVB	808971	1002964	42.42%	4.481%
13	10.645	1432	1437	1445	rBV	260533	320857	13.57%	1.434%
14	10.722	1445	1450	1461	rBV	1083998	1385821	58.61%	6.192%
15	11.422	1564	1569	1577	rBV	647965	840440	35.55%	3.755%
16	11.945	1652	1658	1666	rBV	97357	163227	6.90%	0.729%
17	12.174	1692	1697	1708	rVB	120372	167319	7.08%	0.748%
18	12.298	1711	1718	1722	rBV2	39572	67788	2.87%	0.303%
19	12.369	1725	1730	1735	rVV	1044997	1292354	54.66%	5.774%
20	12.639	1771	1776	1778	rBV	21455	26457	1.12%	0.118%
21	12.674	1778	1782	1787	rVV	424890	544074	23.01%	2.431%
22	12.733	1787	1792	1802	rVV2	18530	34092	1.44%	0.152%
23	12.868	1810	1815	1818	rBV	19316	26764	1.13%	0.120%
24	13.010	1833	1839	1847	rVB	1074751	1416258	59.90%	6.328%
25	13.145	1857	1862	1867	rBV	549856	680169	28.77%	3.039%
26	13.233	1870	1877	1881	rVB2	11839	25670	1.09%	0.115%
27	13.751	1959	1965	1967	rBV4	19520	38814	1.64%	0.173%
28	13.839	1975	1980	1986	rVB	62782	89310	3.78%	0.399%
29	13.904	1986	1991	1997	rBV	180871	312479	13.22%	1.396%
30	14.063	2010	2018	2025	rBV	452699	651181	27.54%	2.909%
31	14.239	2042	2048	2058	rVB4	36282	76781	3.25%	0.343%
32	14.345	2063	2066	2076	rVB2	23182	32674	1.38%	0.146%
33	14.545	2093	2100	2105	rBV3	316705	623758	26.38%	2.787%
34	14.598	2105	2109	2116	rVB2	102583	169452	7.17%	0.757%
35	14.751	2131	2135	2146	rBV3	23478	50012	2.12%	0.223%
36	14.868	2147	2155	2161	rBV2	43818	92851	3.93%	0.415%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

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_F\Methods\8270-BF052025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.992	2172	2176	2184	rVB	24588	35875	1.52%	0.160%
38	15.192	2205	2210	2212	rBV	52651	86813	3.67%	0.388%
39	15.221	2212	2215	2221	rVB	115287	182739	7.73%	0.816%
40	15.562	2266	2273	2281	rBV	445083	748294	31.65%	3.343%
41	15.792	2307	2312	2319	rBV	24987	49399	2.09%	0.221%
42	16.033	2348	2353	2358	rVV	45714	76140	3.22%	0.340%
43	16.092	2358	2363	2369	rVV2	32785	75154	3.18%	0.336%
44	16.156	2371	2374	2380	rVB3	24332	38762	1.64%	0.173%
45	16.239	2384	2388	2392	rBV3	21884	36911	1.56%	0.165%
46	16.856	2490	2493	2502	rVB8	16816	30377	1.28%	0.136%
47	17.403	2580	2586	2597	rVB2	79745	192328	8.13%	0.859%
48	17.674	2626	2632	2641	rBV6	45048	141854	6.00%	0.634%
49	17.762	2642	2647	2658	rVB7	36843	109288	4.62%	0.488%
50	18.021	2684	2691	2699	rBV4	43179	127702	5.40%	0.571%
51	18.274	2725	2734	2751	rVB2	124260	387620	16.39%	1.732%

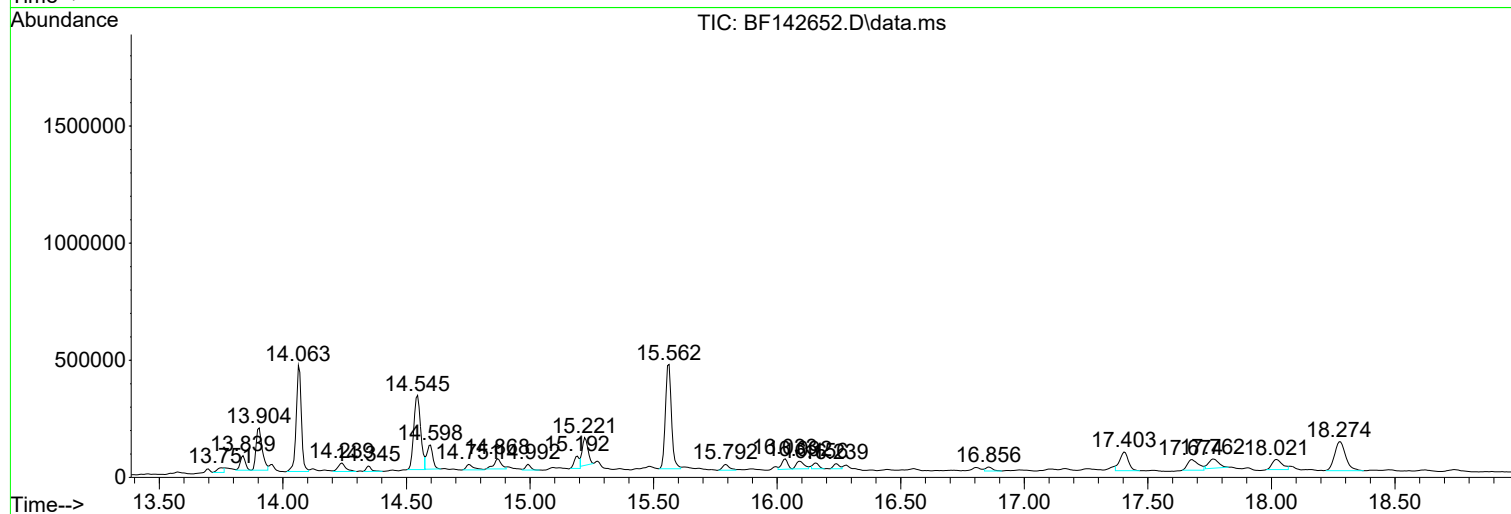
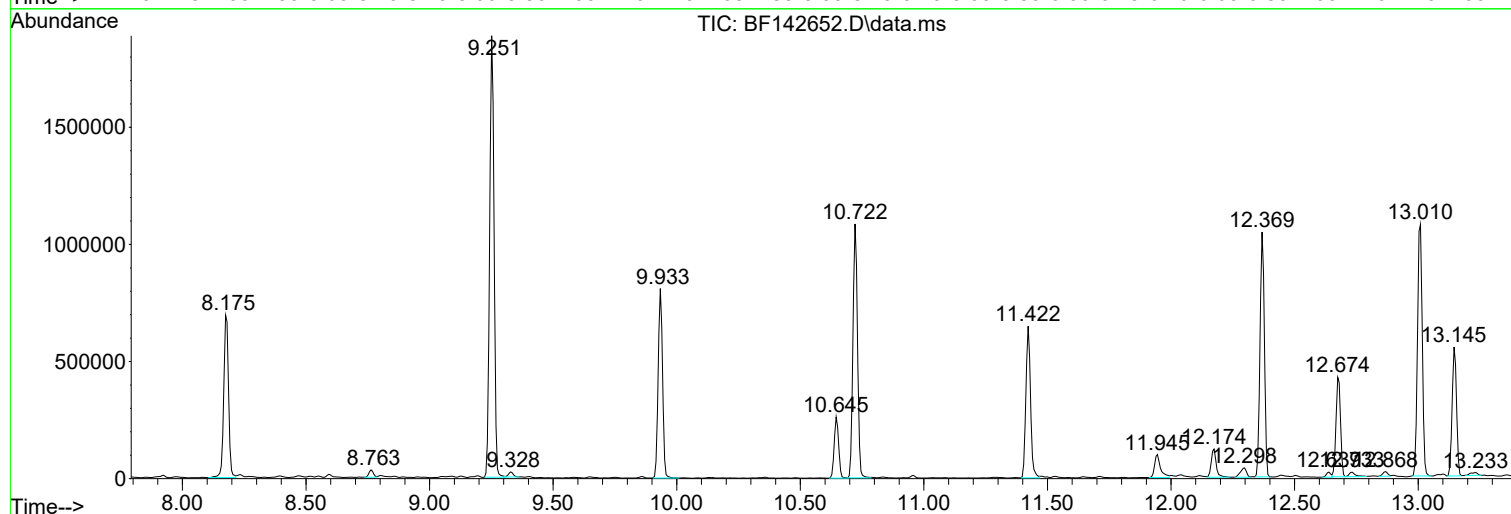
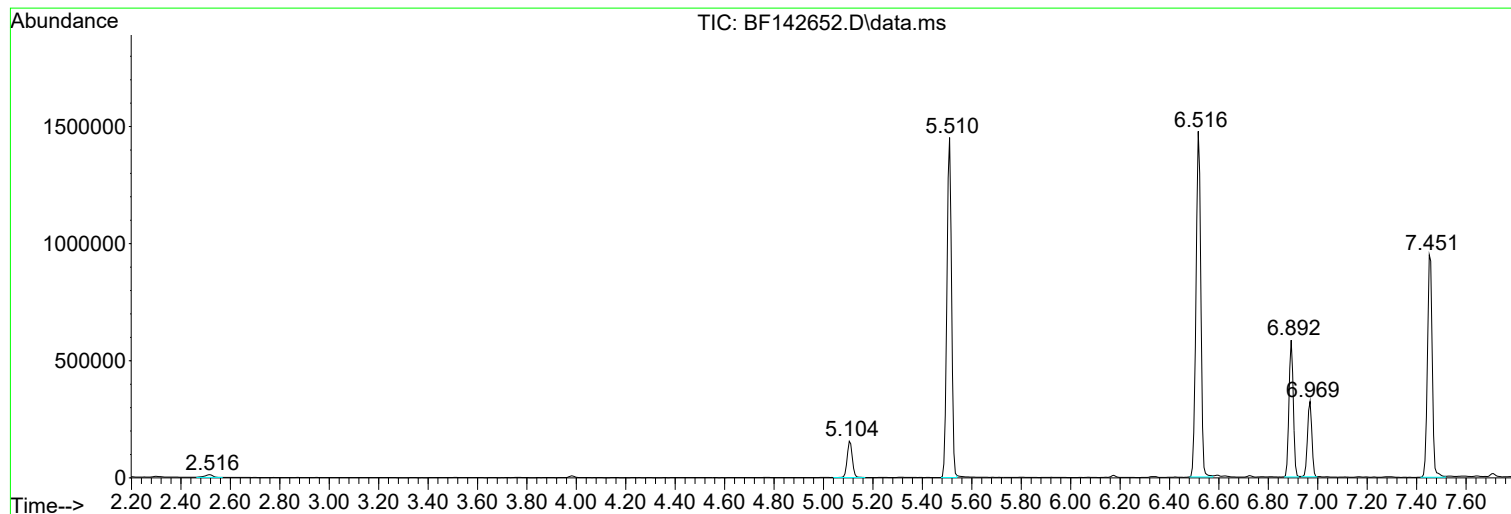
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

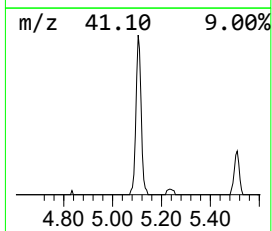
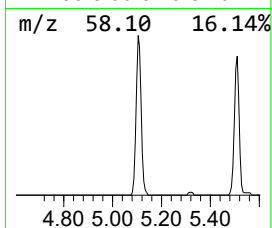
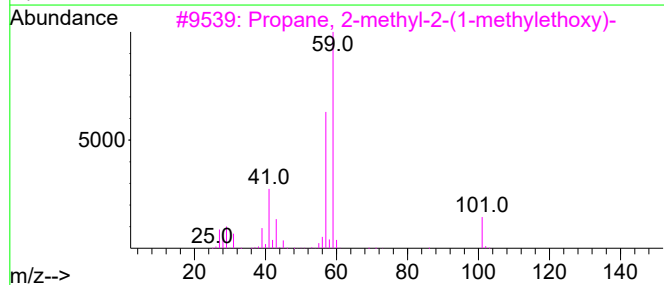
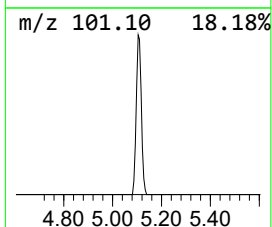
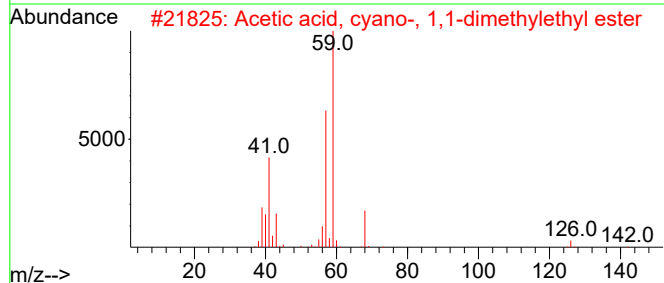
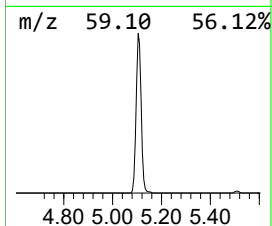
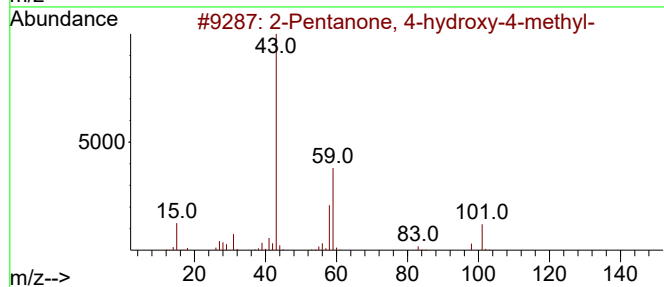
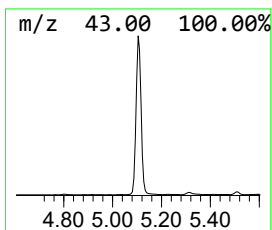
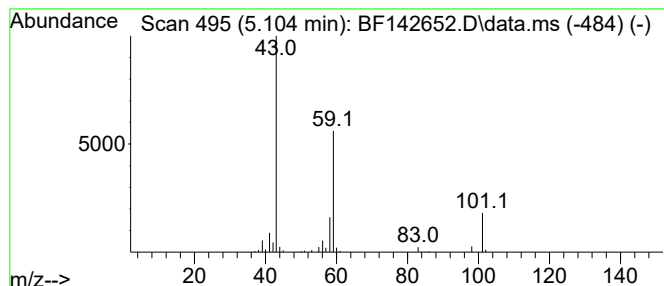
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	6.34 ng	225793	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37		
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33		
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12		
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

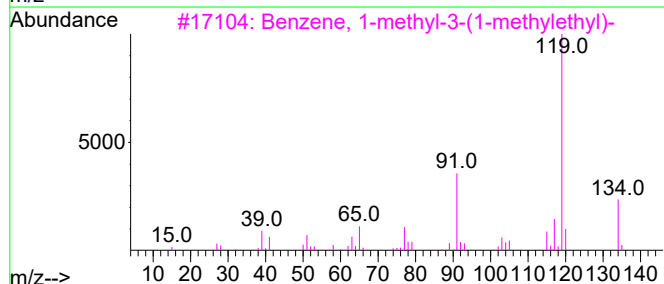
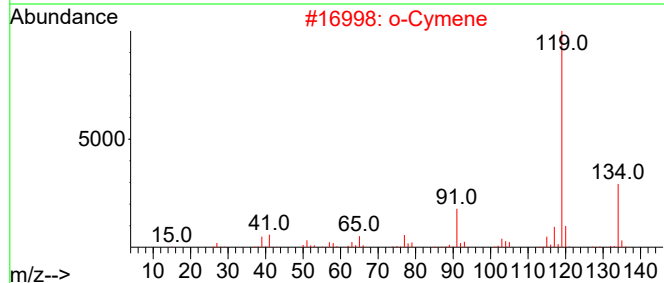
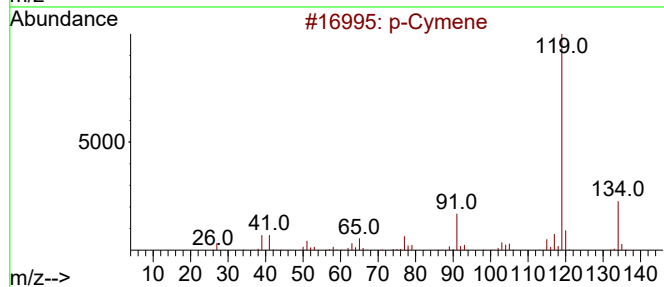
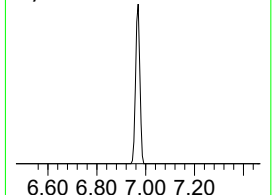
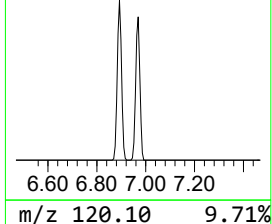
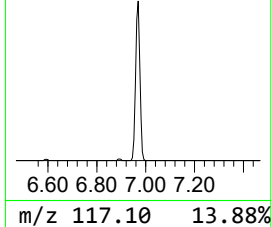
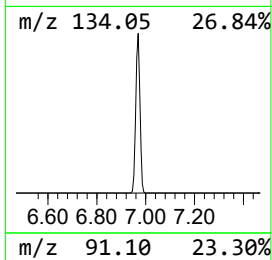
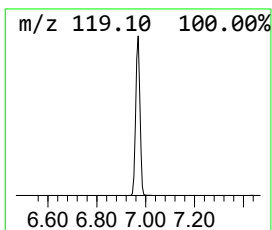
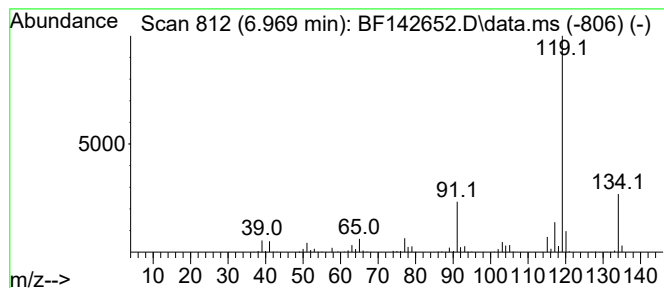
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 p-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.969	11.16 ng	397406	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Cymene	134	C10H14	000099-87-6	97
2			o-Cymene	134	C10H14	000527-84-4	97
3			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4			1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	94
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

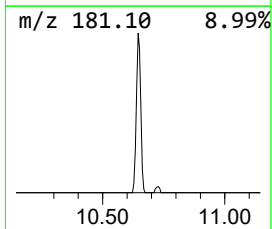
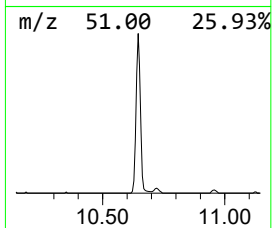
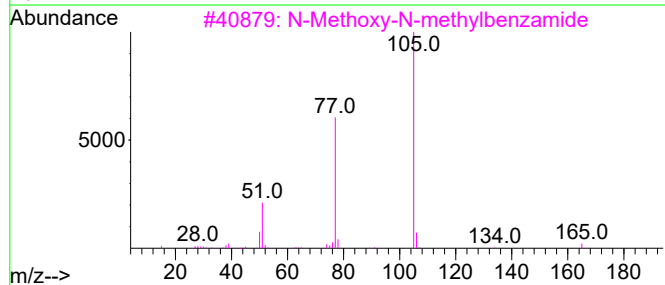
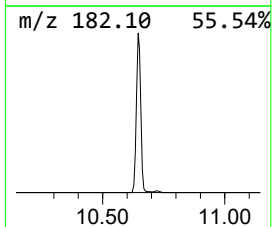
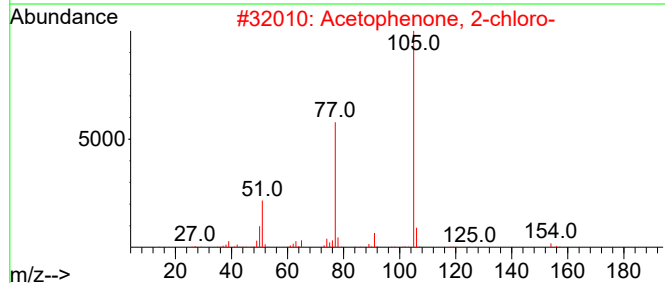
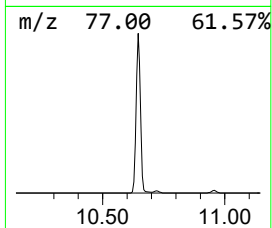
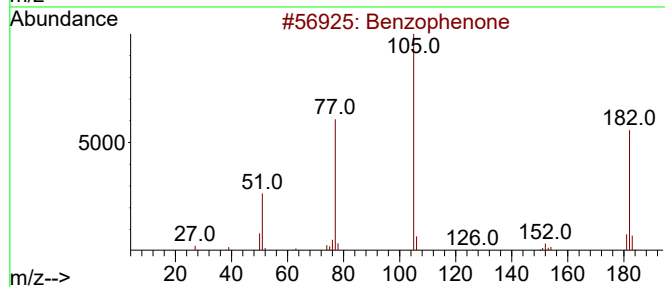
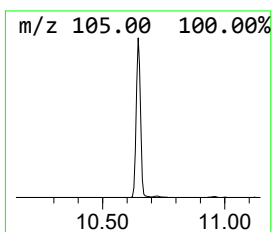
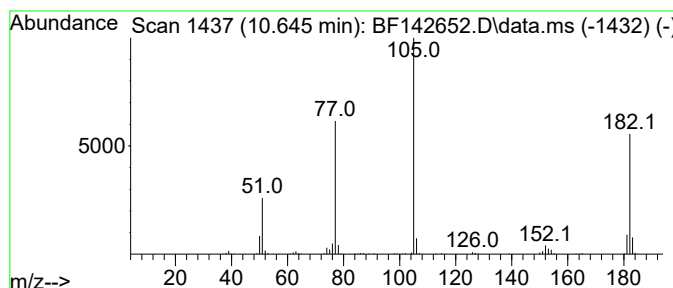
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	6.40 ng	320857	Acenaphthene-d10	9.933

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
4			2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47
5			Vinyl benzoate	148	C9H8O2	000769-78-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

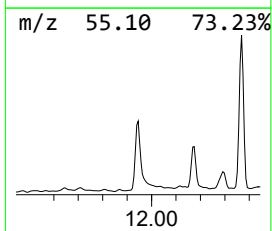
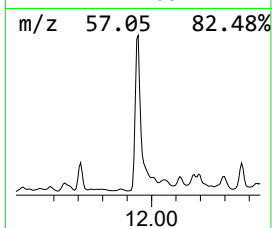
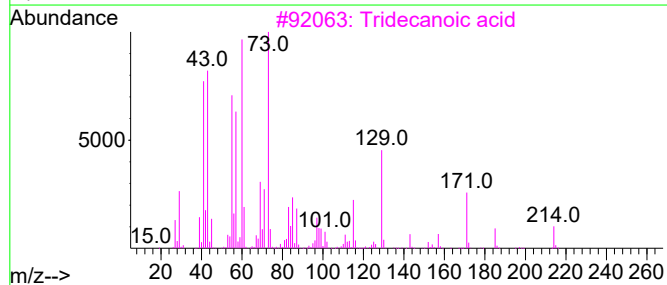
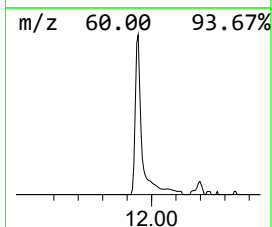
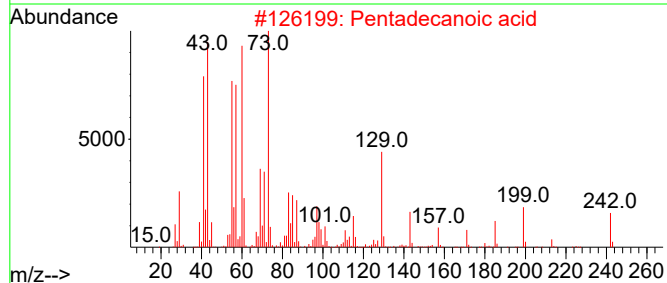
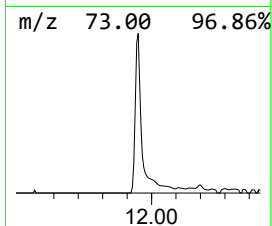
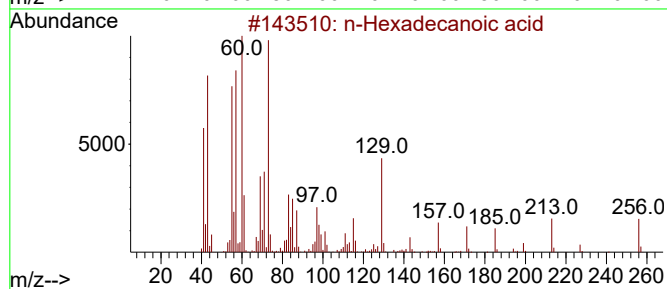
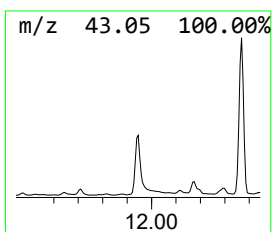
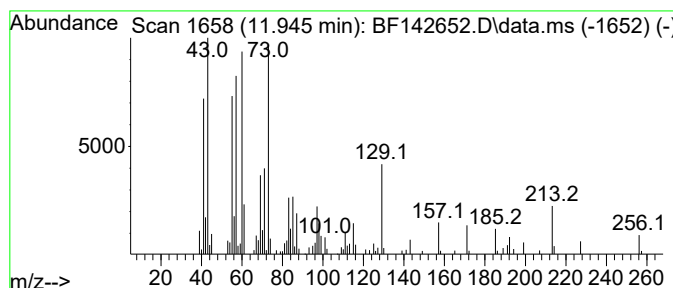
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.945	3.88 ng	163227	Phenanthrene-d10	11.422	
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	90
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_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
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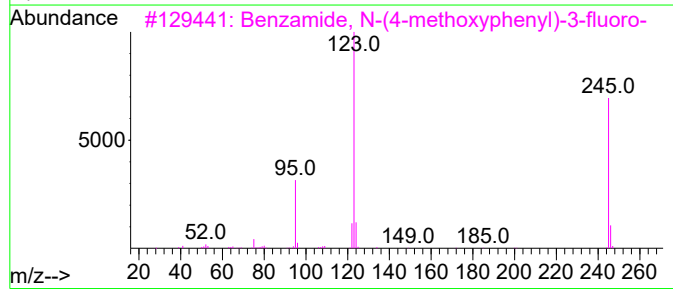
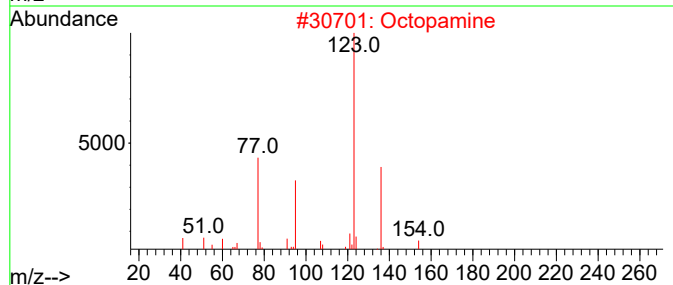
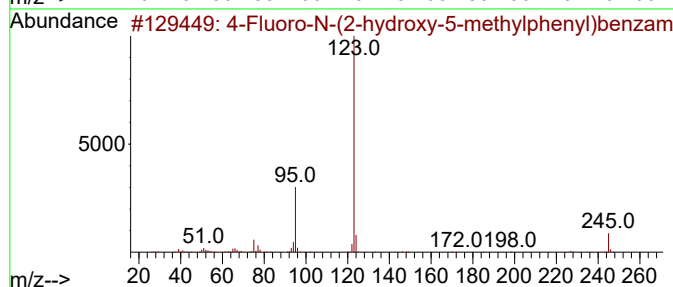
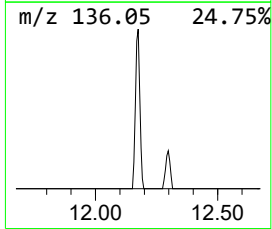
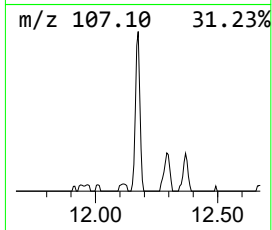
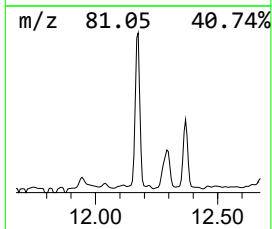
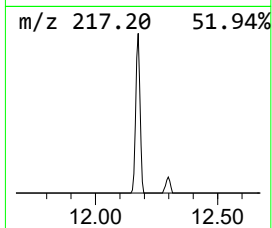
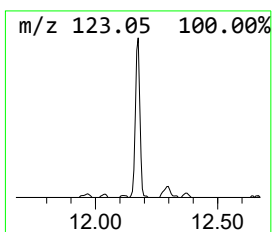
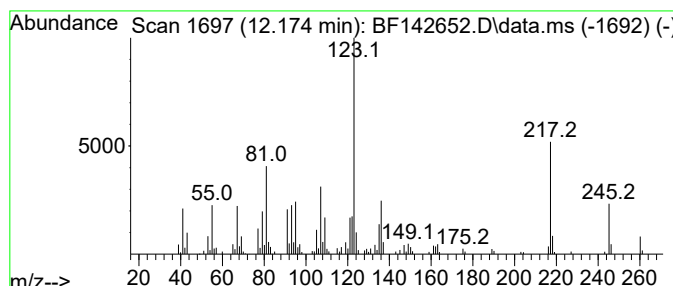
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 unknown12.174 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.174	3.98 ng	167319	Phenanthrene-d10	11.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Fluoro-N-(2-hydroxy-5-methylph...	245	C14H12FN02	402588-02-7	46
2			Octopamine	153	C8H11NO2	000104-14-3	43
3			Benzamide, N-(4-methoxyphenyl)-3...	245	C14H12FN02	1000307-16-6	43
4			S-Bioallethrin	302	C19H26O3	028434-00-6	43
5			Cyclopropanecarboxylic acid, 2,2...	330	C21H30O3	004466-14-2	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
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Acq On : 06 Jun 2025 18:01
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Sample : Q2177-04
Misc :
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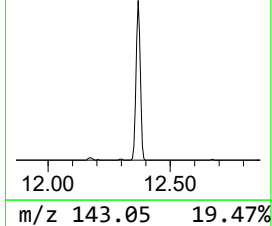
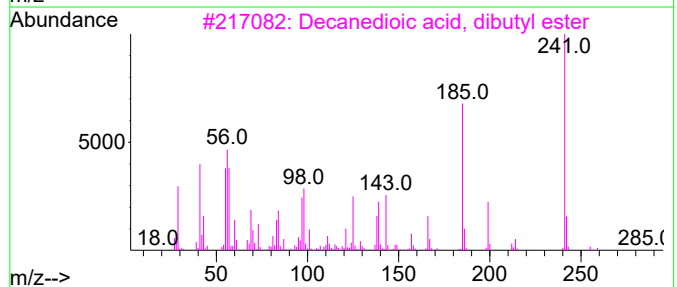
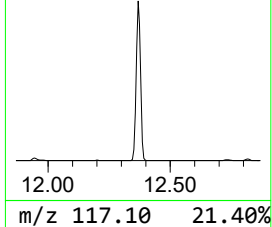
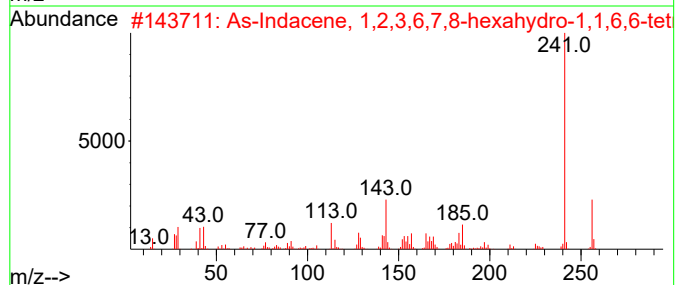
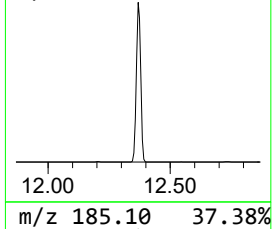
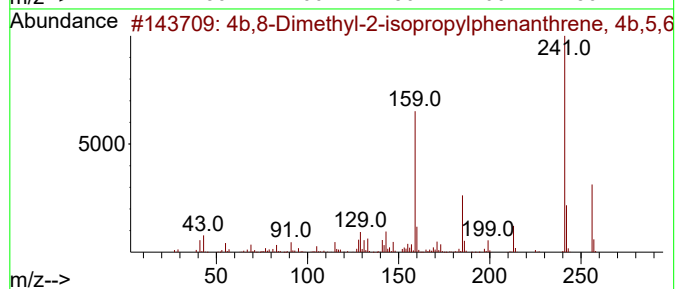
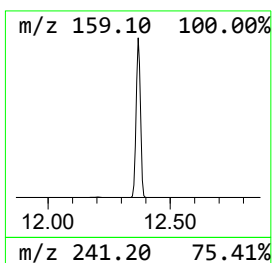
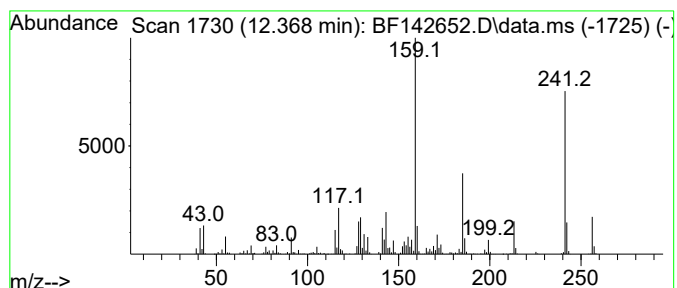
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4b,8-Dimethyl-2-isopropylph... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.368	30.75 ng	1292350	Phenanthrene-d10	11.422	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	98
2	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	38
3	Decanedioic acid, dibutyl ester	314	C18H34O4	000109-43-3	38
4	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1010212-95-2	35
5	Uracil, 5-(p-cyanophenyl)-1,3-di...	241	C13H11N3O2	1000164-78-4	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
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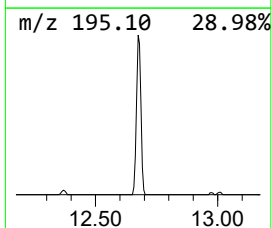
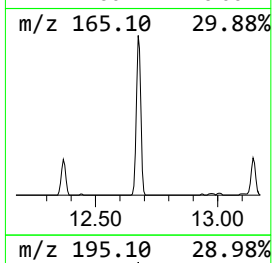
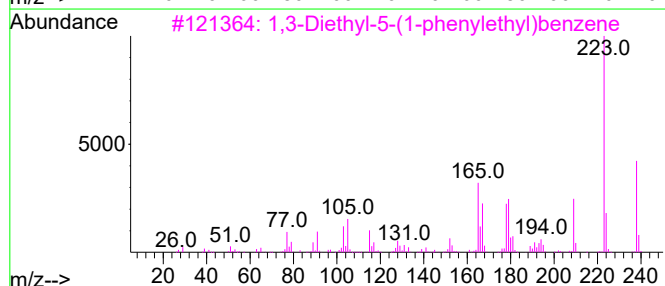
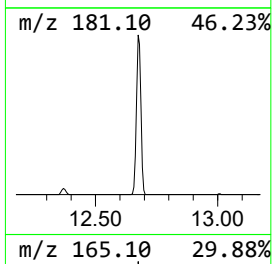
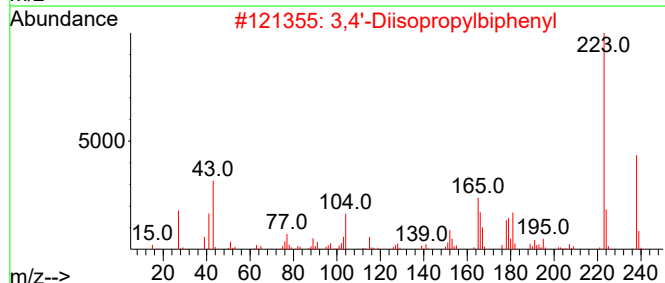
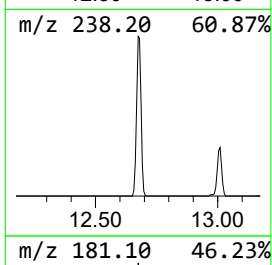
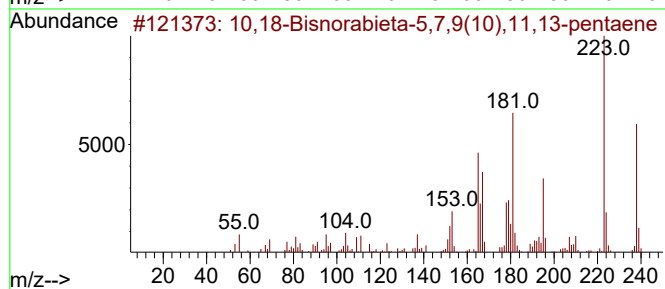
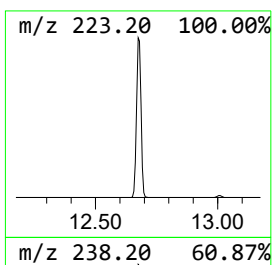
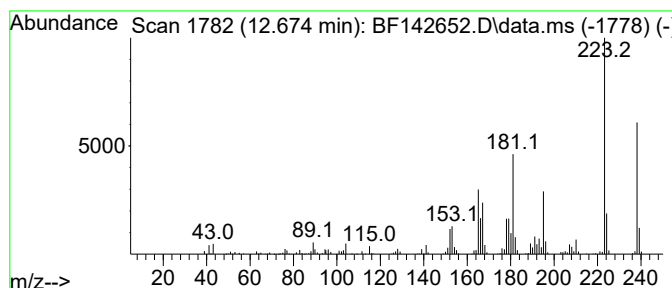
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.674	12.95 ng	544074	Phenanthrene-d10		11.422	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...		238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl		238	C18H22	061434-46-6	86
3	1,3-Diethyl-5-(1-phenylethyl)ben...		238	C18H22	1000482-32-6	76
4	Anthracene, 1,4-dimethoxy-		238	C16H14O2	013076-29-4	64
5	4,4'-Diisopropylbiphenyl		238	C18H22	018970-30-4	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
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Sample : Q2177-04
Misc :
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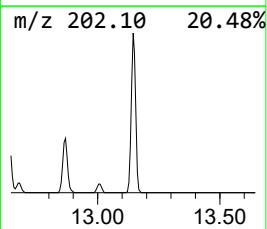
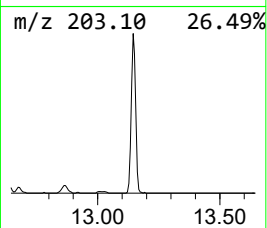
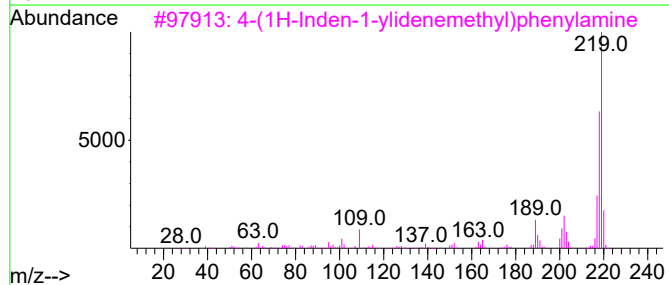
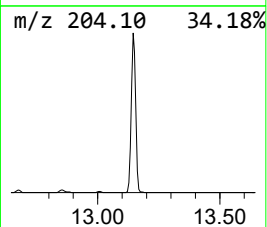
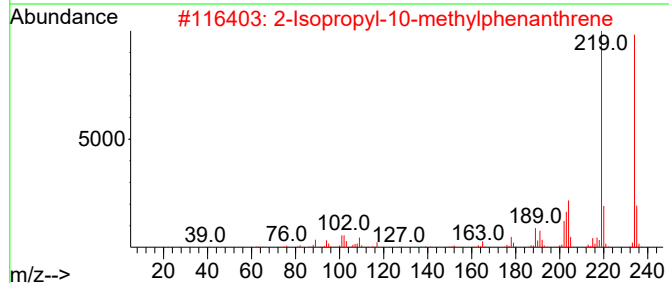
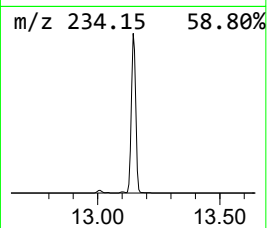
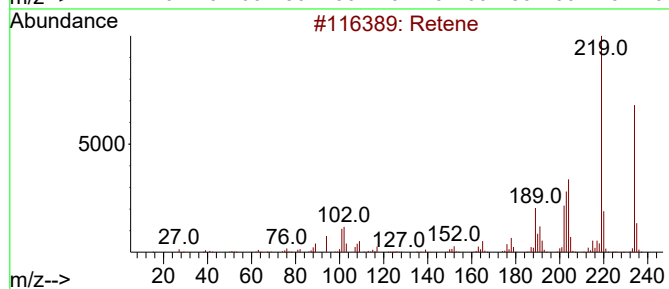
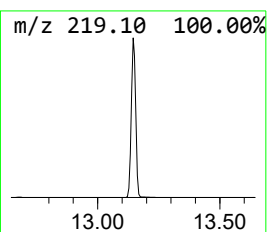
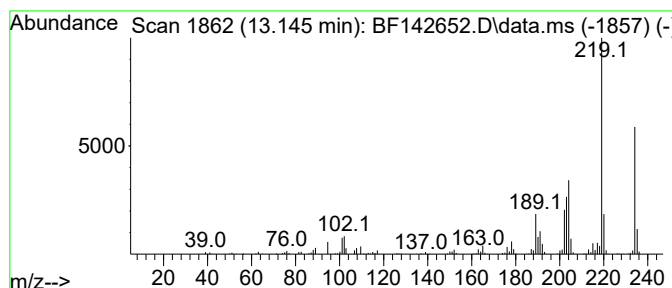
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Retene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.145	20.89 ng	680169	Chrysene-d12	14.063	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	4-(1H-Inden-1-ylidenemethyl)phen...	219	C16H13N	000487-61-6	55
4	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	52
5	1-Ethanone, 1-(4-amino-7-chloro-...	234	C12H11ClN2O	1010350-06-0	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
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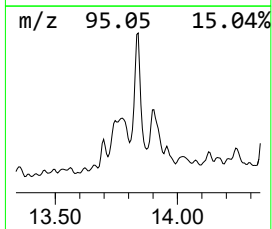
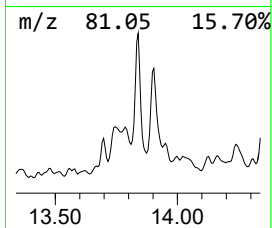
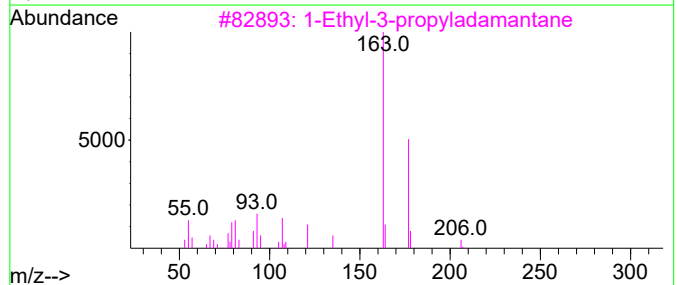
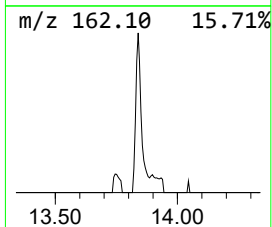
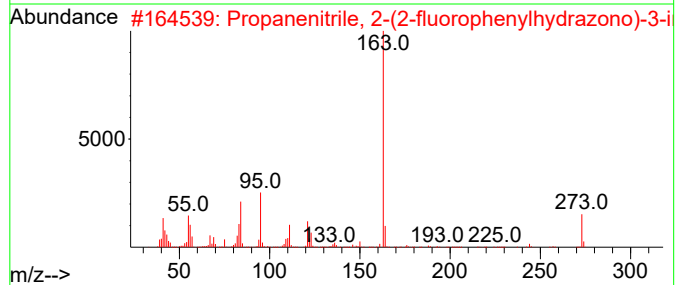
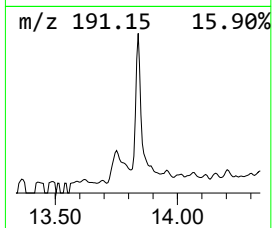
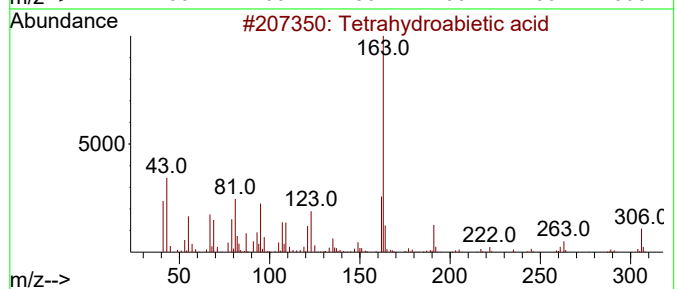
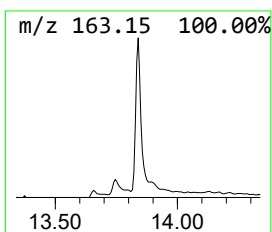
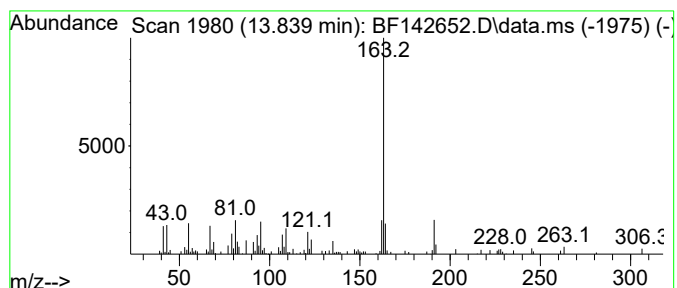
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tetrahydroabietic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.839	2.74 ng	89310	Chrysene-d12	14.063	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydroabietic acid	306	C20H34O2	1000251-96-9	86
2	Propanenitrile, 2-(2-fluoropheny...	273	C14H16FN5	311323-02-1	53
3	1-Ethyl-3-propyladamantane	206	C15H26	019385-94-5	50
4	Phenol, 2,4-bis(1-methylethyl)-	178	C12H18O	002934-05-6	50
5	8-Fluoro-4-hydroxyquinoline	163	C9H6FNO	063010-71-9	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
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ALS Vial : 14 Sample Multiplier: 1

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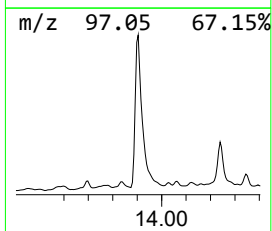
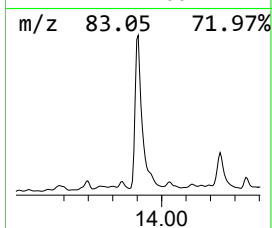
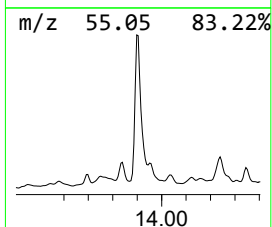
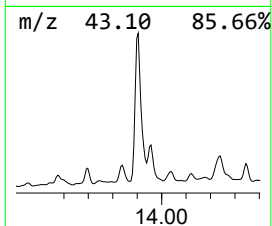
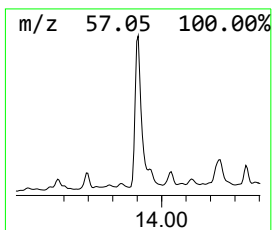
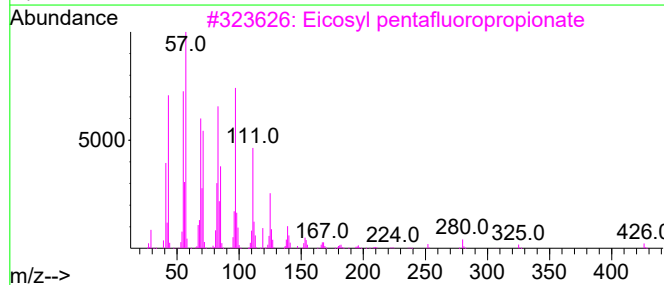
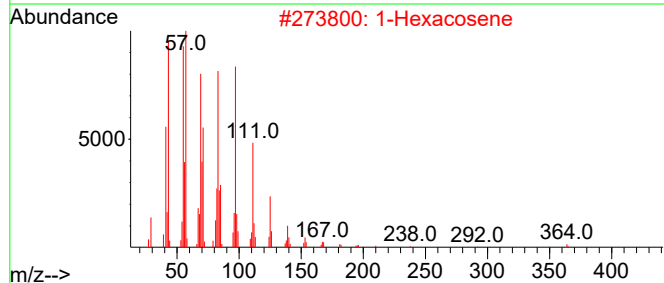
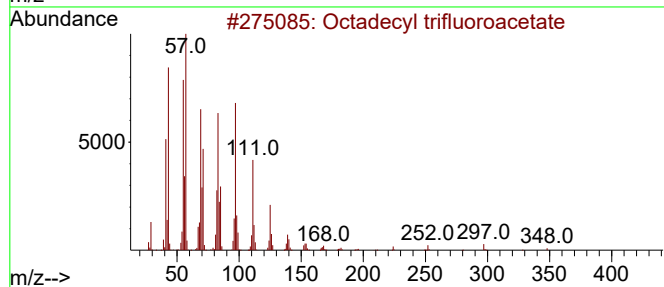
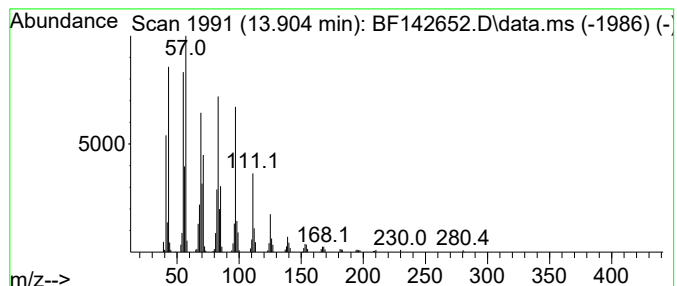
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Octadecyl trifluoroacetate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	9.60 ng	312479	Chrysene-d12	14.063

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	95
2			1-Hexacosene	364	C26H52	018835-33-1	95
3			Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	94
4			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
5			Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

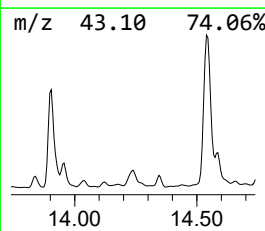
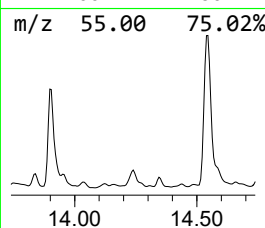
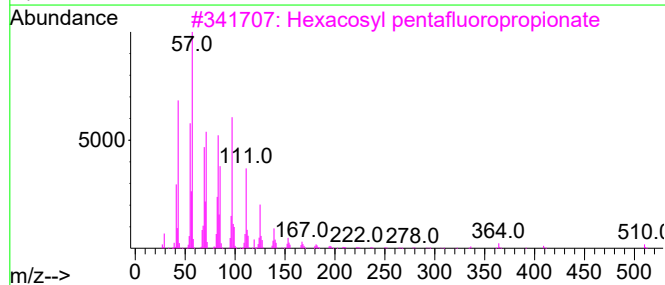
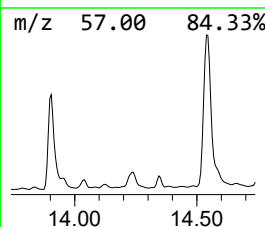
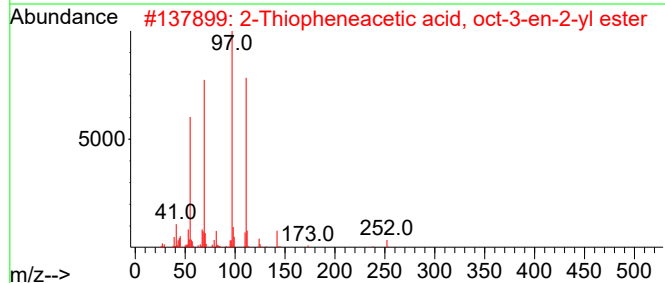
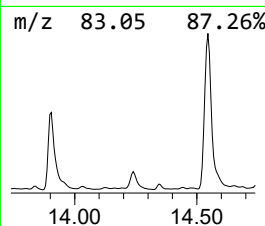
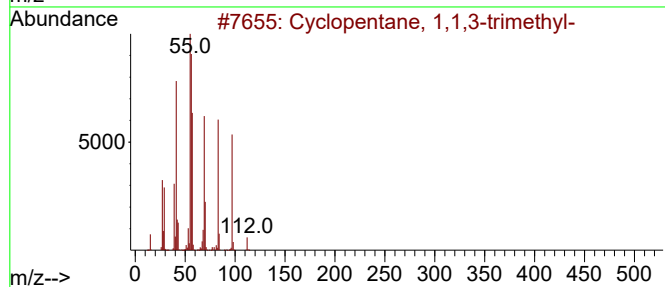
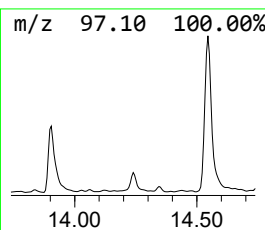
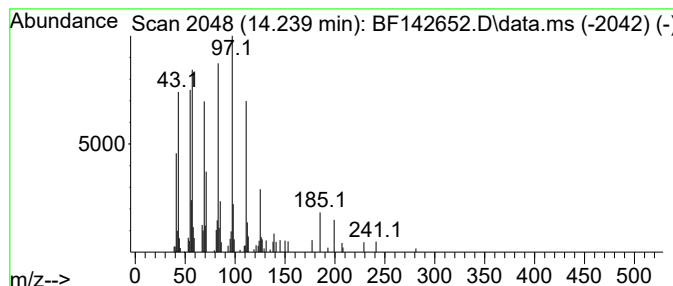
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown14.239 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.239	2.36 ng	76781	Chrysene-d12	14.063

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	46
2		2-Thiopheneacetic acid, oct-3-en...	252	C14H20O2S	1010299-38-6	38
3		Hexacosyl pentafluoropropionate	528	C29H53F5O2	1000351-81-2	25
4		Cyclohexane, methyl-	98	C7H14	000108-87-2	25
5		Hexacosyl trifluoroacetate	478	C28H53F3O2	1000351-75-0	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
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Sample : Q2177-04
Misc :
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Instrument :
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ClientSampleId :
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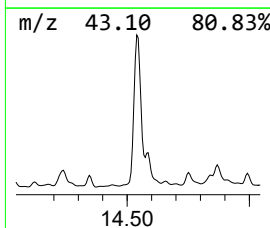
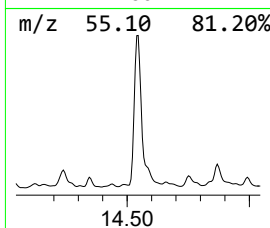
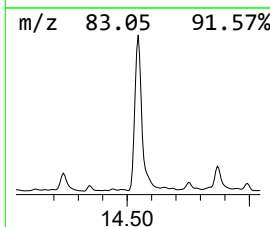
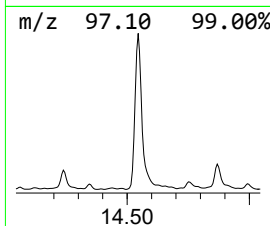
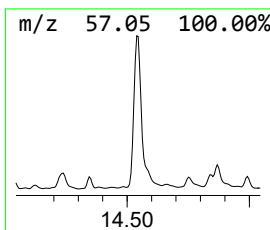
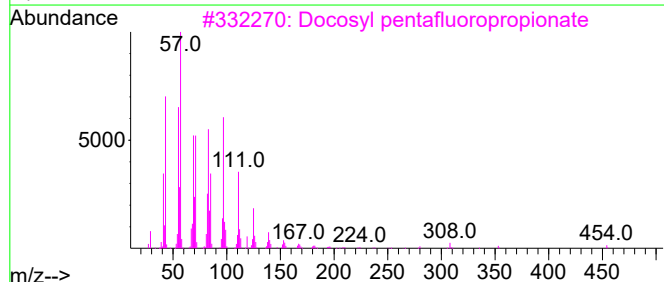
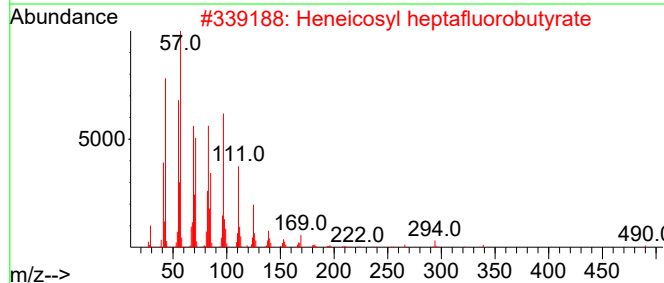
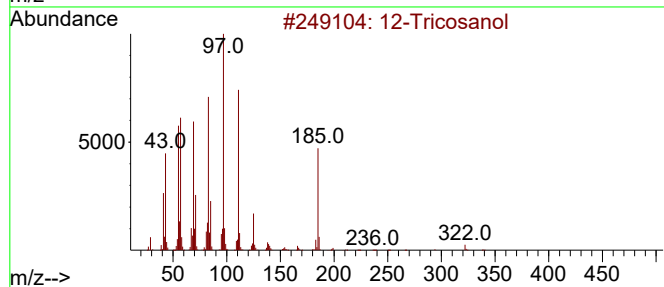
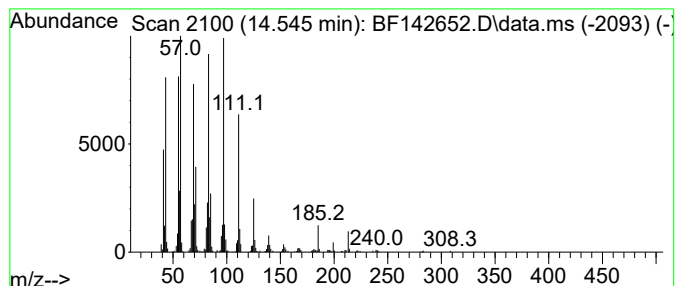
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 12-Tricosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.545	19.16 ng	623758	Chrysene-d12	14.063

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			12-Tricosanol	340	C23H48O	024897-74-3	58
2			Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	46
3			Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	46
4			Octacosanol	410	C28H58O	000557-61-9	46
5			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
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Operator : RC/JU
Sample : Q2177-04
Misc :
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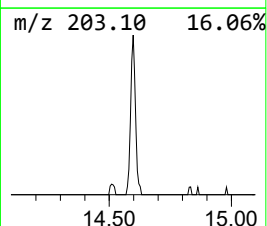
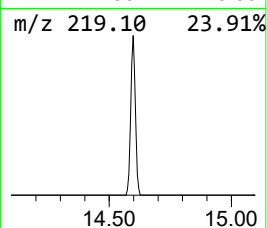
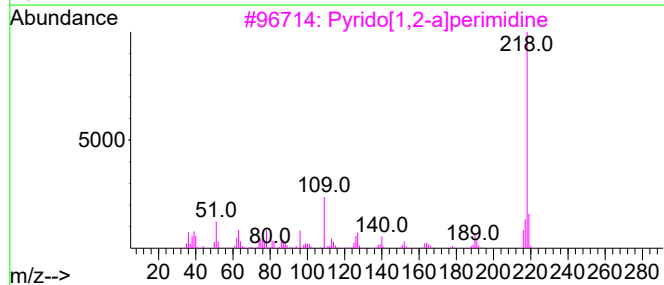
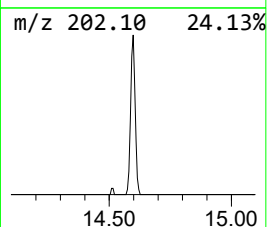
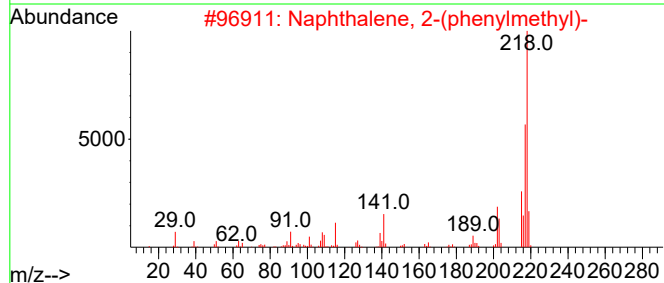
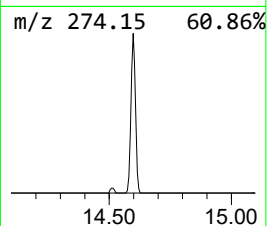
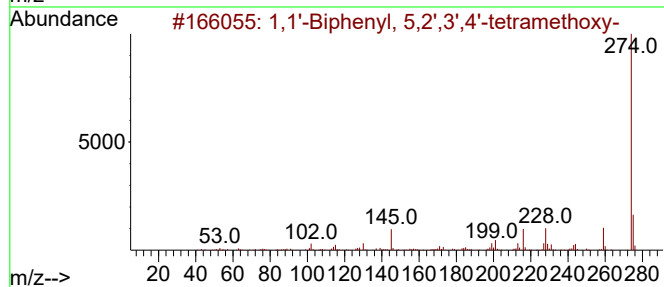
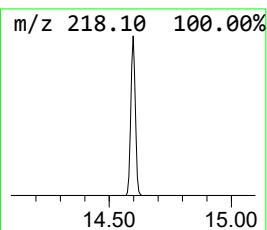
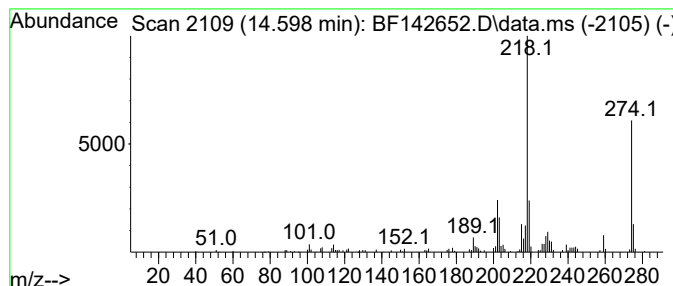
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 5,2',3',4'-t... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.598	5.20 ng	169452	Chrysene-d12	14.063	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 5,2',3',4'-tetram...	274	C16H18O4	119101-30-3	53
2	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	49
3	Pyrido[1,2-a]perimidine	218	C15H10N2	000200-42-0	43
4	1,4-Methanonaphthalene, 1,4-dihy...	218	C17H14	055028-73-4	43
5	1-Hydroxypyrene	218	C16H10O	005315-79-7	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
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Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

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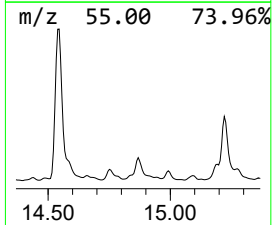
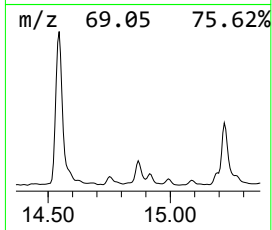
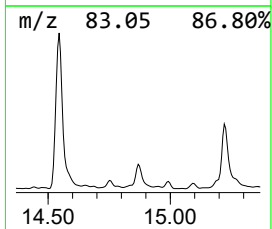
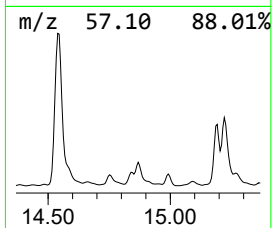
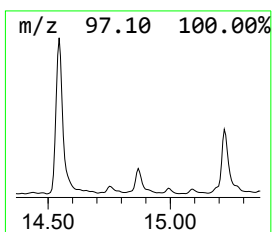
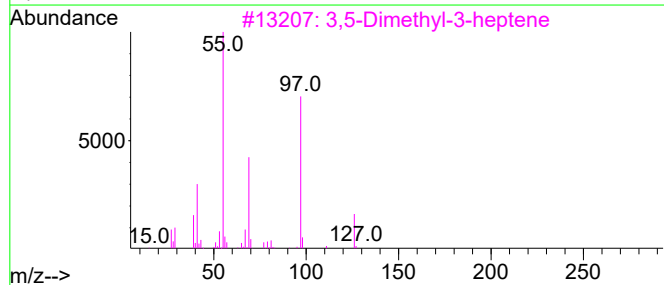
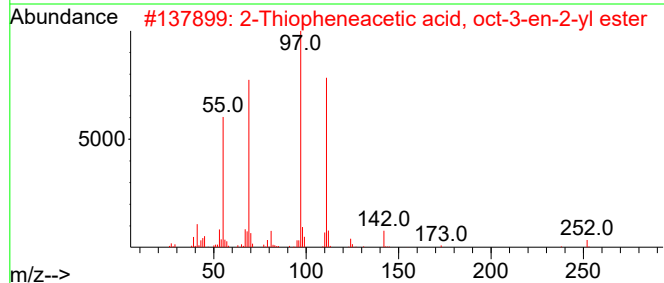
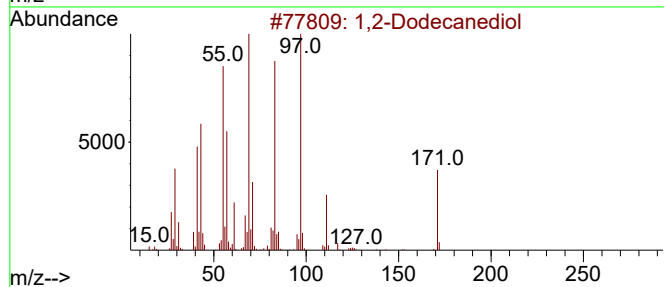
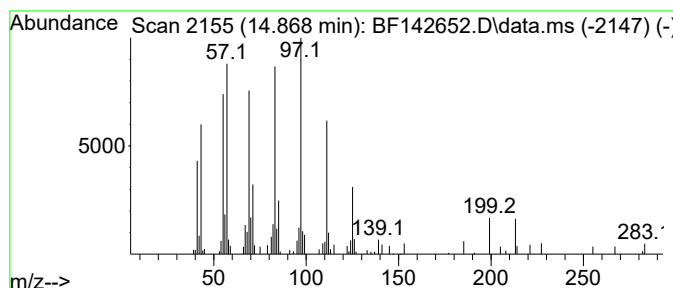
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,2-Dodecanediol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.868	2.48 ng	92851	Perylene-d12	15.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2-Dodecanediol	202	C12H26O2	001119-87-5	64
2			2-Thiopheneacetic acid, oct-3-en...	252	C14H20O2S	1010299-38-6	49
3			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	38
4			Heptacosyl acetate	438	C29H58O2	1000351-78-2	30
5			Octacosyl acetate	452	C30H60O2	018206-97-8	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
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Acq On : 06 Jun 2025 18:01
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Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

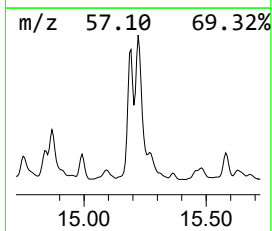
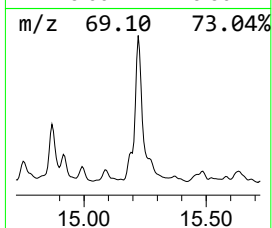
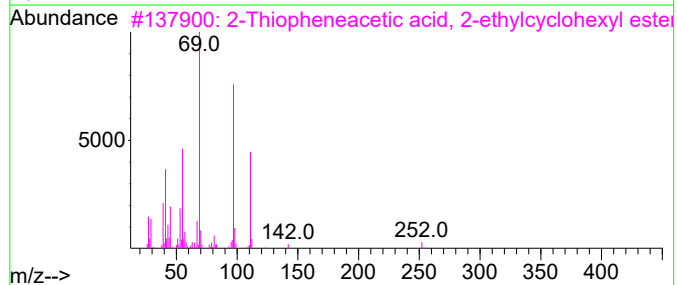
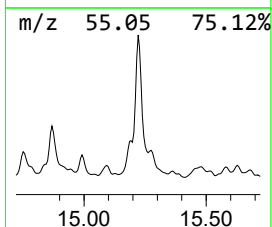
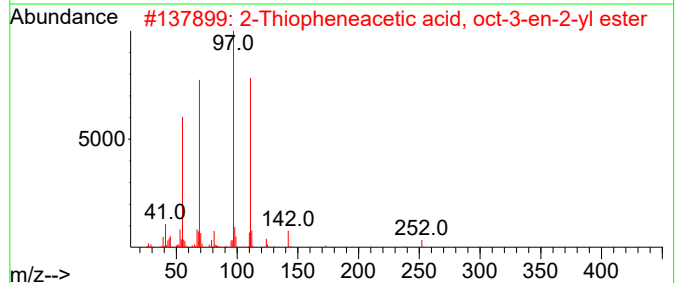
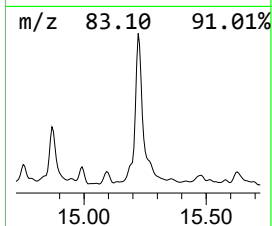
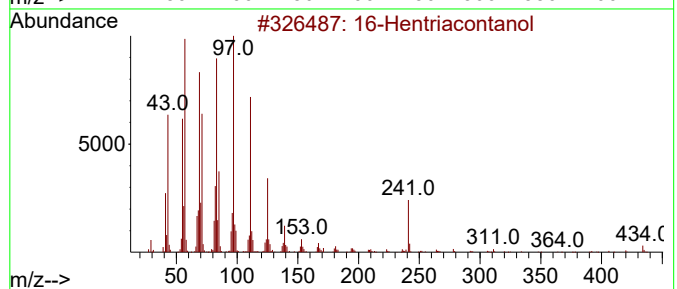
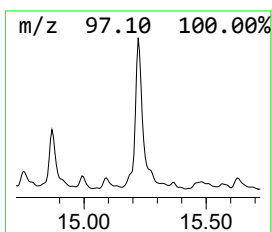
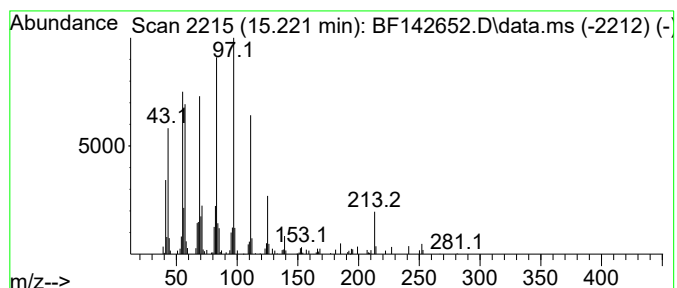
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 16-Hentriacontanol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.221	4.88 ng	182739	Perylene-d12	15.562	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Hentriacontanol	452	C31H64O	001070-54-8	68
2	2-Thiopheneacetic acid, oct-3-en...	252	C14H20O2S	1010299-38-6	50
3	2-Thiopheneacetic acid, 2-ethylc...	252	C14H20O2S	1000278-96-1	43
4	Triallylsilane	152	C9H16Si	001116-62-7	38
5	Cyclohexanecarboxylic acid, 3-tr...	310	C20H38O2	1000280-59-4	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
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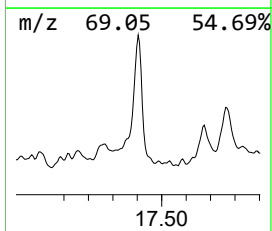
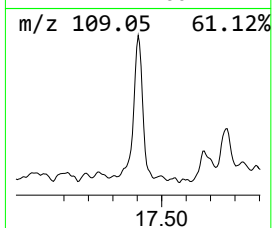
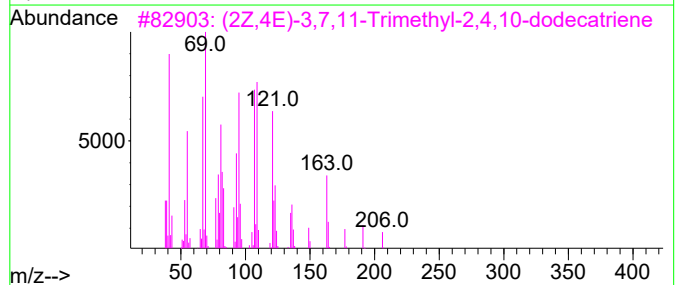
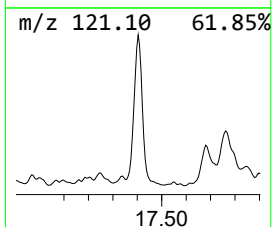
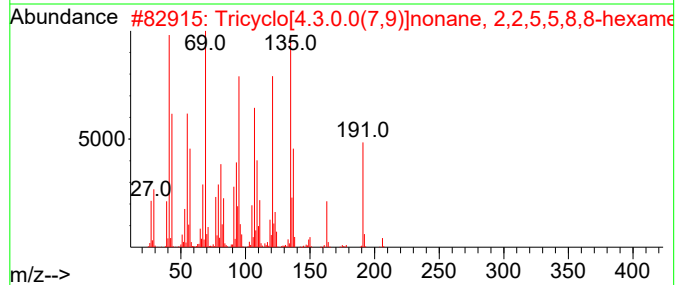
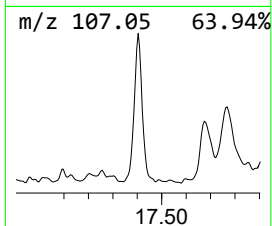
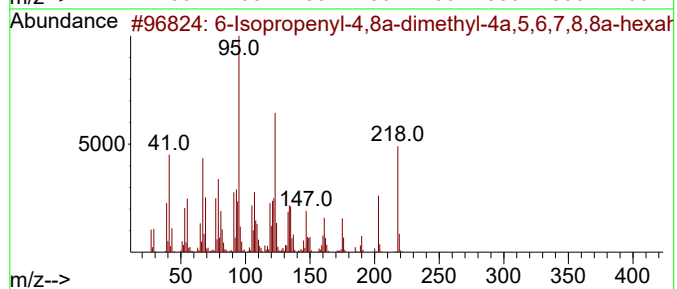
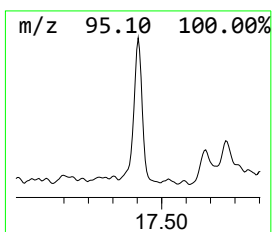
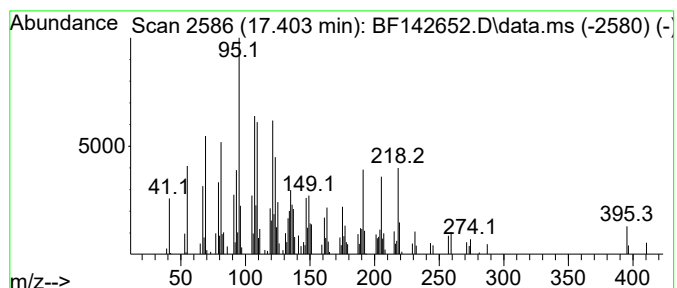
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 6-Isopropenyl-4,8a-dimethyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.404	5.14 ng	192328	Perylene-d12	15.562	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	70
2	Tricyclo[4.3.0.0(7,9)]nonane, 2,...	206	C15H26	054832-82-5	43
3	(2Z,4E)-3,7,11-Trimethyl-2,4,10-...	206	C15H26	172549-29-0	38
4	6.beta.Bicyclo[4.3.0]nonane, 5.b...	332	C15H25I	1000195-85-9	27
5	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

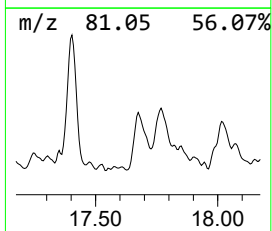
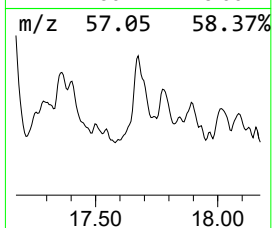
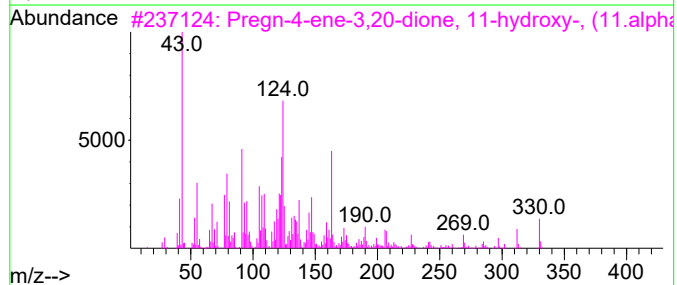
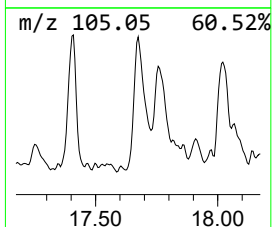
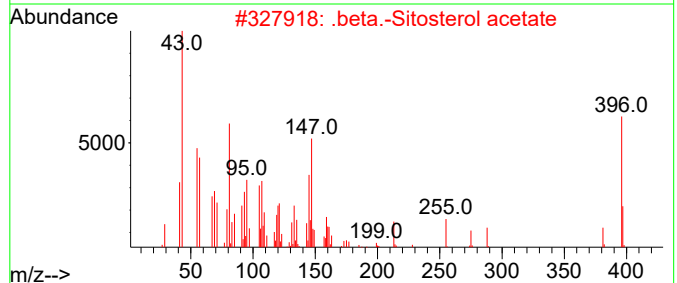
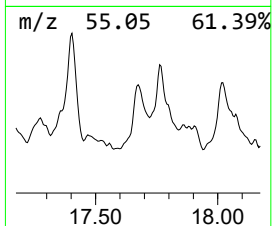
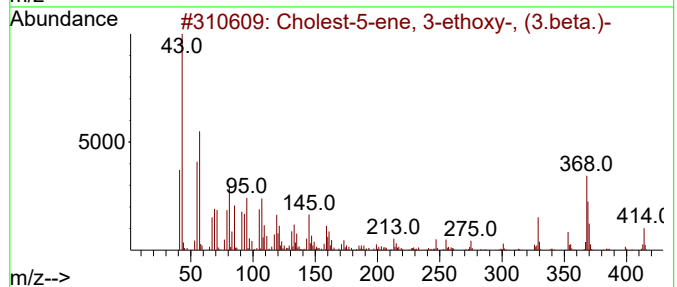
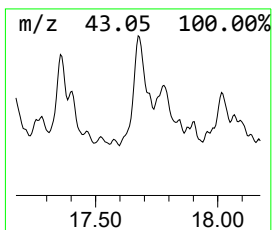
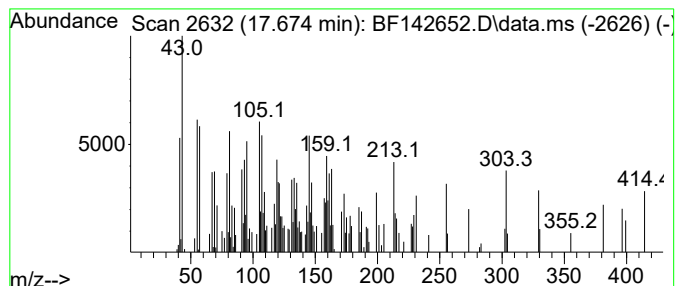
Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown17.674 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.674	3.79 ng	141854	Perylene-d12	15.562		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cholest-5-ene, 3-ethoxy-, (3.bet...	414	C29H50O	000986-19-6	25
2		.beta.-Sitosterol acetate	456	C31H52O2	000915-05-9	12
3		Pregn-4-ene-3,20-dione, 11-hydro...	330	C21H30O3	000080-75-1	10
4		Norflurazon	303	C12H9ClF3N3O	027314-13-2	10
5		Pregn-5-en-3-ol, 21-bromo-20-met...	394	C22H35BrO	055103-80-5	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

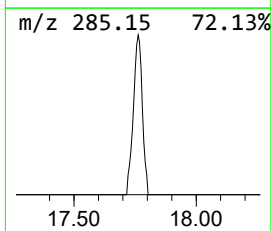
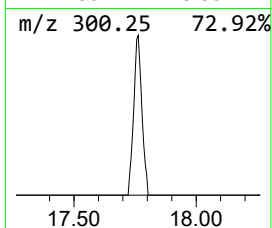
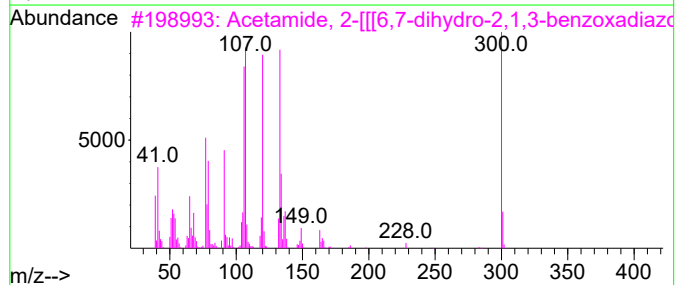
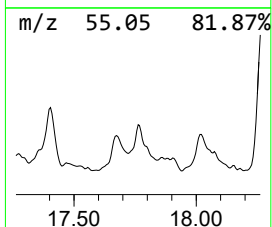
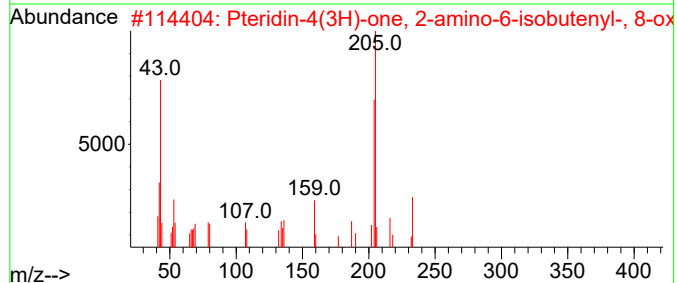
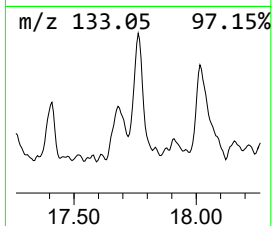
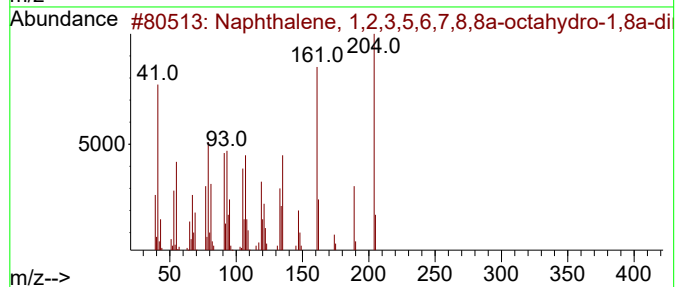
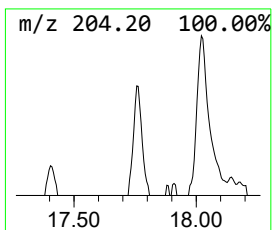
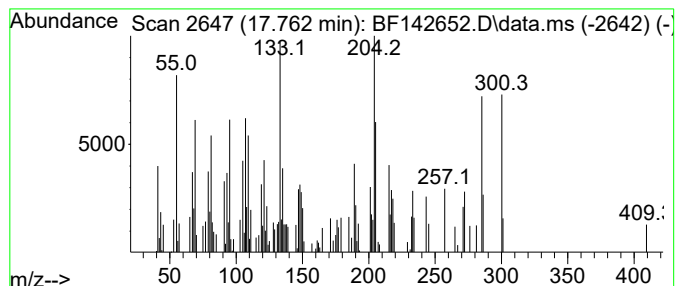
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown17.762 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.762	2.92 ng	109288	Perylene-d12	15.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	25
2			Pteridin-4(3H)-one, 2-amino-6-is...	233	C10H11N5O2	019994-57-1	25
3			Acetamide, 2-[[[6,7-dihydro-2,1,...	300	C15H16N4O3	1000319-88-7	15
4			3-epi-Cedrenal	218	C15H22O	1000465-27-6	15
5			Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	11



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

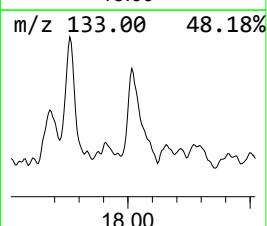
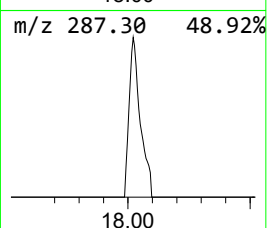
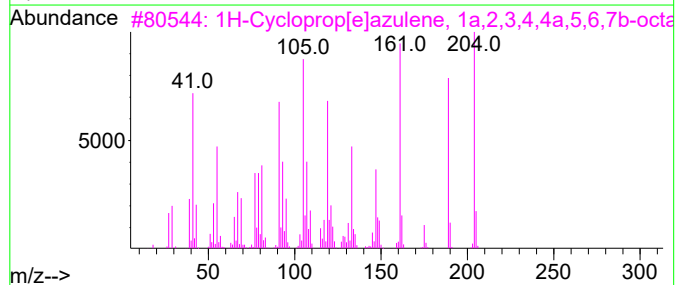
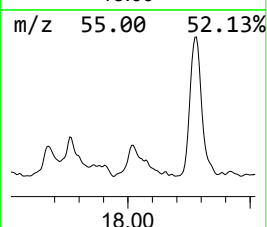
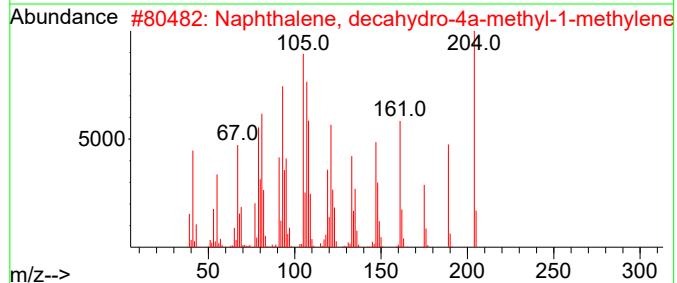
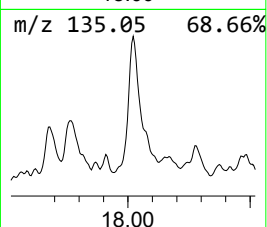
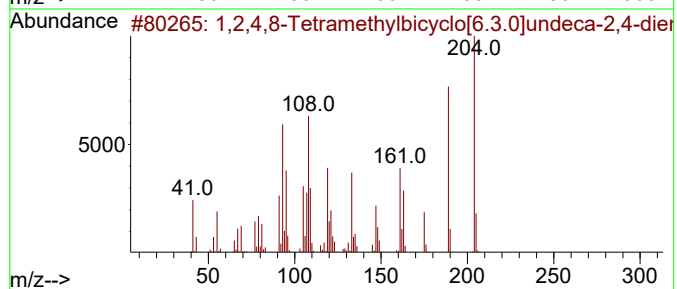
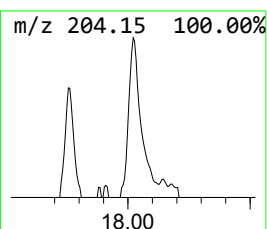
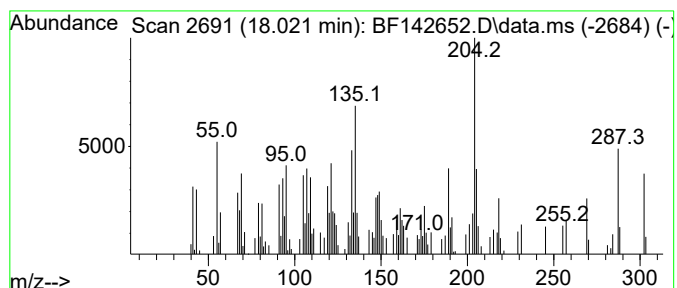
Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.021	3.41 ng	127702	Perylene-d12		15.562	
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	64
2		Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	43
3		1H-Cycloprop[e]azulene, 1a,2,3,4...	204	C15H24	000489-40-7	41
4		1-(4-Amino-2-methylphenyl)-2-pip...	204	C12H16N2O	443999-53-9	35
5		Coumarin, 3,4-dihydro-4,4,6,8-te...	204	C13H16O2	249629-60-5	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

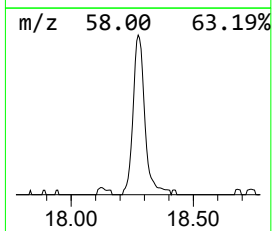
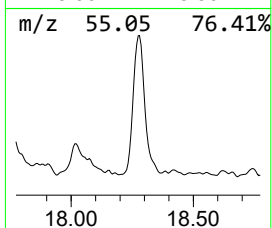
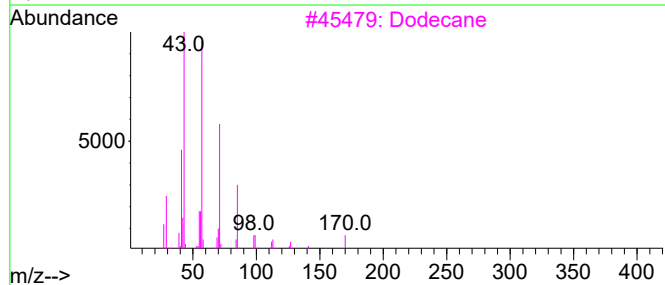
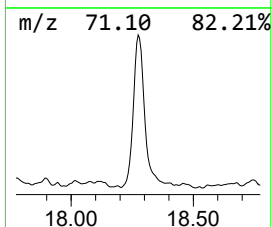
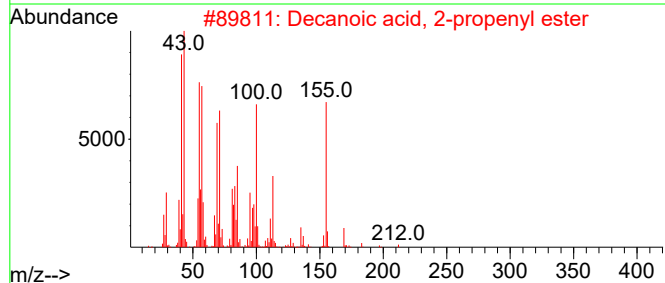
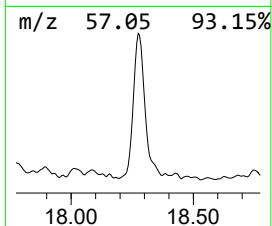
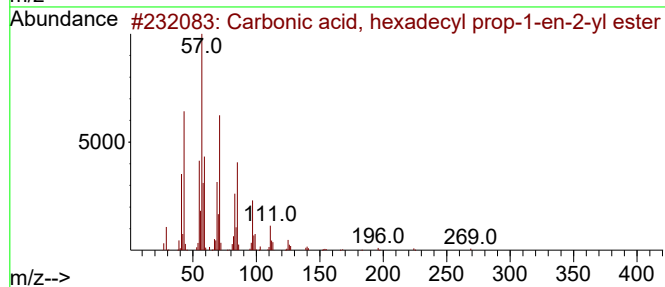
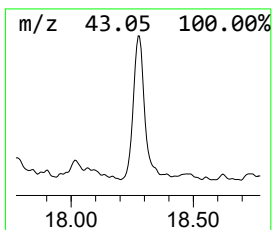
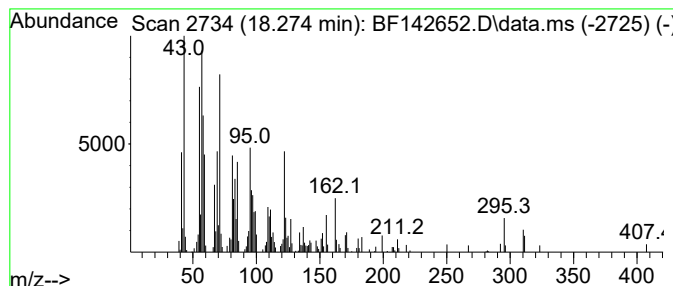
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown18.274 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.274	10.36 ng	387620	Perylene-d12	15.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	49
2			Decanoic acid, 2-propenyl ester	212	C13H24O2	057856-81-2	45
3			Dodecane	170	C12H26	000112-40-3	42
4			Heneicosane	296	C21H44	000629-94-7	42
5			Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142652.D
Acq On : 06 Jun 2025 18:01
Operator : RC/JU
Sample : Q2177-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.104	6.3	ng	225793	1	6.892	712185	20.0
p-Cymene	6.969	11.2	ng	397406	1	6.892	712185	20.0
Benzophenone	10.645	6.4	ng	320857	3	9.933	1002960	20.0
n-Hexadecanoic ...	11.945	3.9	ng	163227	4	11.422	840440	20.0
unknown12.174	12.174	4.0	ng	167319	4	11.422	840440	20.0
4b,8-Dimethyl-2...	12.368	30.8	ng	1292350	4	11.422	840440	20.0
10,18-Bisnorabi...	12.674	12.9	ng	544074	4	11.422	840440	20.0
Retene	13.145	20.9	ng	680169	5	14.063	651181	20.0
Tetrahydroabiet...	13.839	2.7	ng	89310	5	14.063	651181	20.0
Octadecyl trifl...	13.904	9.6	ng	312479	5	14.063	651181	20.0
unknown14.239	14.239	2.4	ng	76781	5	14.063	651181	20.0
12-Tricosanol	14.545	19.2	ng	623758	5	14.063	651181	20.0
1,1'-Biphenyl, ...	14.598	5.2	ng	169452	5	14.063	651181	20.0
1,2-Dodecanediol	14.868	2.5	ng	92851	6	15.562	748294	20.0
16-Hentriacontanol	15.221	4.9	ng	182739	6	15.562	748294	20.0
6-Isopropenyl-4...	17.404	5.1	ng	192328	6	15.562	748294	20.0
unknown17.674	17.674	3.8	ng	141854	6	15.562	748294	20.0
unknown17.762	17.762	2.9	ng	109288	6	15.562	748294	20.0
1,2,4,8-Tetrame...	18.021	3.4	ng	127702	6	15.562	748294	20.0
unknown18.274	18.274	10.4	ng	387620	6	15.562	748294	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
 Data File : BP024899.D
 Acq On : 10 Jun 2025 18:30
 Operator : RC/JU
 Sample : Q2177-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-202-SB01

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/11/2025
 Supervised By :Jagrut Upadhyay 06/11/2025

Quant Time: Jun 11 02:04:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	258806	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1052781	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	660296	20.000	ng	0.00
64) Phenanthrene-d10	17.054	188	1279796	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1406584	20.000	ng	0.00
86) Perylene-d12	24.766	264	1730554	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1661528	107.162	ng	0.00
7) Phenol-d6	6.814	99	2195717	107.033	ng	0.00
23) Nitrobenzene-d5	8.761	82	1311010	60.512	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	1028434	112.656	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	2824048	57.616	ng	0.00
79) Terphenyl-d14	19.783	244	4388776	55.921	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.101	178	412561	5.833	ng	99
75) Fluoranthene	19.189	202	521508	6.362	ng	98
78) Pyrene	19.566	202	507574	5.776	ng	98
81) Benzo(a)anthracene	21.466	228	212605	2.363	ng	95
83) Chrysene	21.536	228	208166m	2.442	ng	
88) Benzo(b)fluoranthene	23.724	252	251939	2.544	ng	# 83
90) Benzo(a)pyrene	24.601	252	216412	2.237	ng	# 87

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

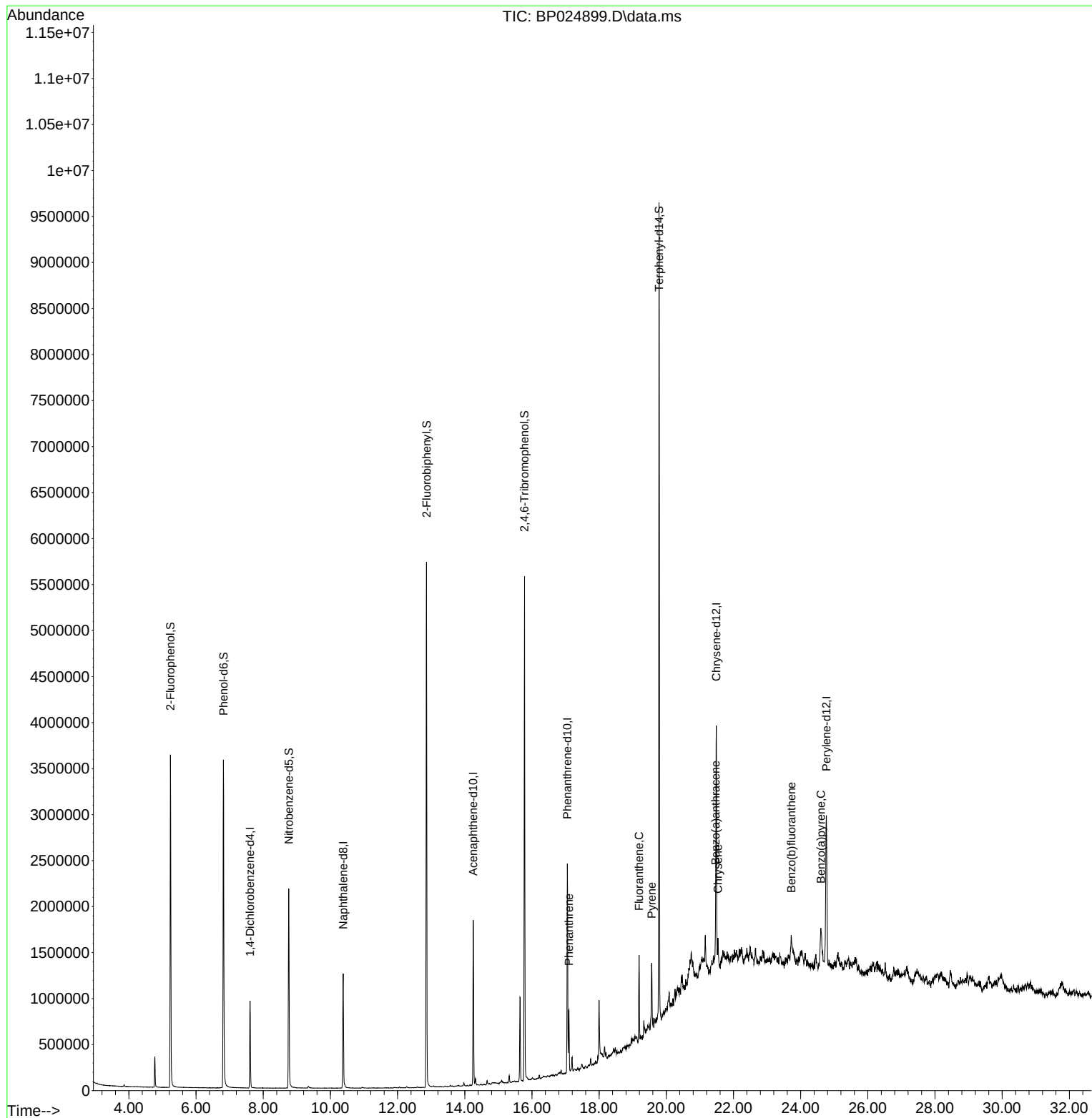
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Acq On : 10 Jun 2025 18:30
Operator : RC/JU
Sample : Q2177-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

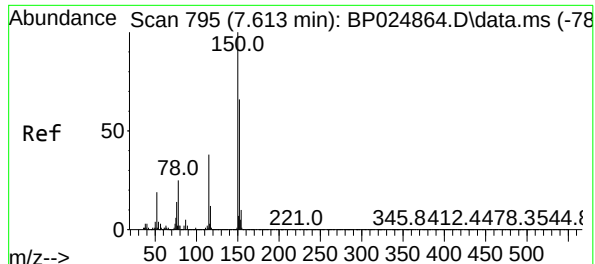
Instrument :
BNA_P
ClientSampleId :
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Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

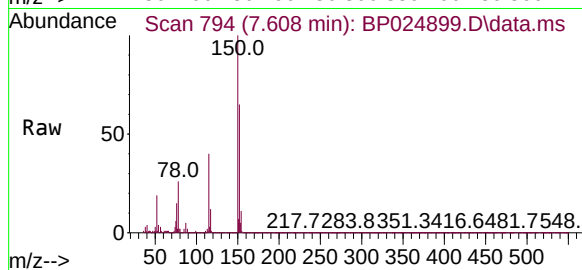
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

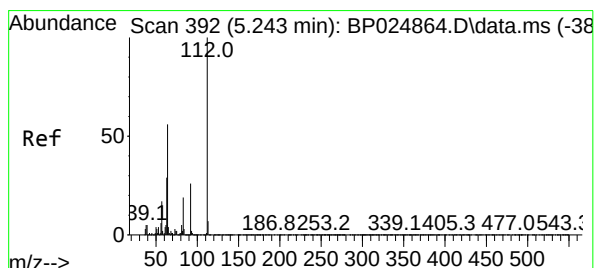
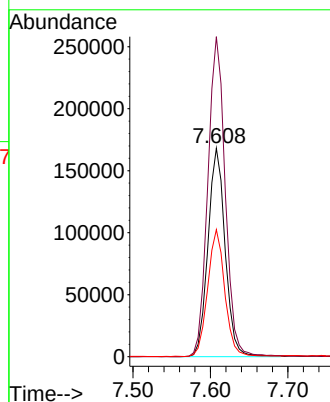
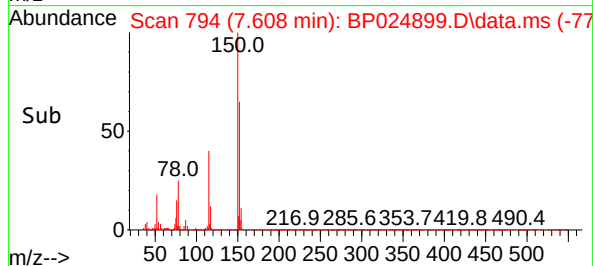
Instrument :
BNA_P
ClientSampleId :
B-202-SB01



Tgt Ion:152 Resp: 258800
Ion Ratio Lower Upper
152 100
150 153.5 122.1 183.1
115 61.0 46.4 69.6

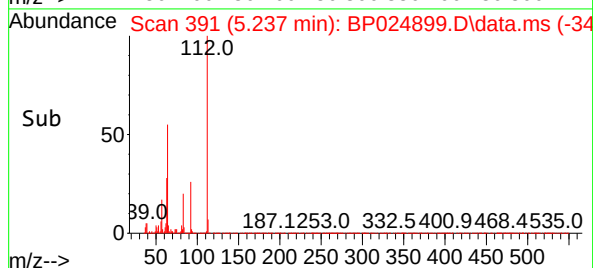
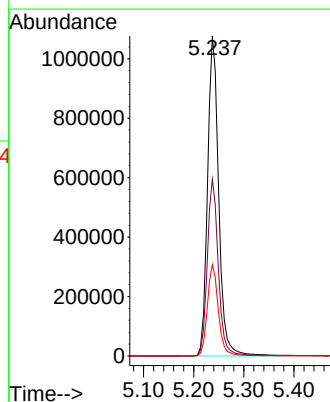
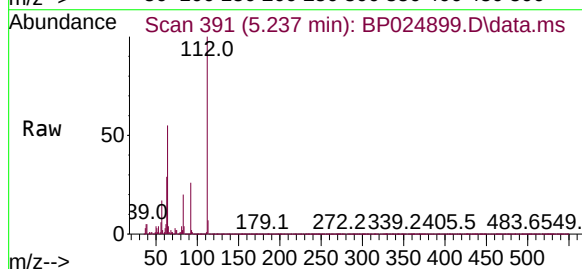
Manual Integrations
APPROVED

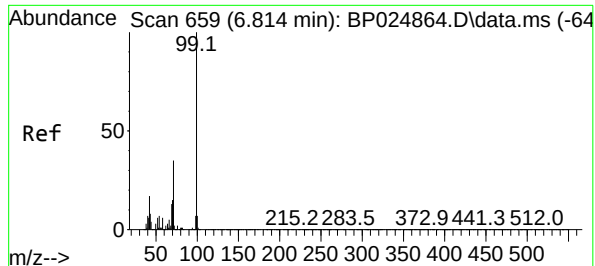
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#5
2-Fluorophenol
Concen: 107.162 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

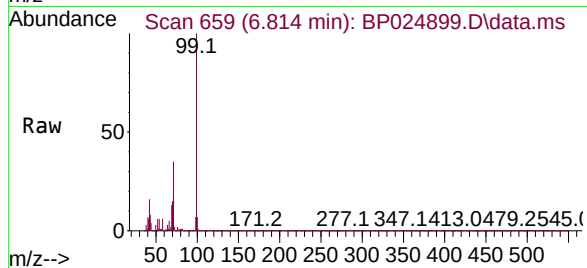
Tgt Ion:112 Resp: 1661528
Ion Ratio Lower Upper
112 100
64 55.3 44.7 67.1
63 28.5 23.5 35.3





#7
Phenol-d6
Concen: 107.033 ng
RT: 6.814 min Scan# 659
Delta R.T. 0.000 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

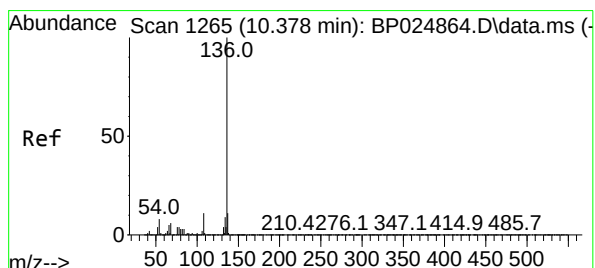
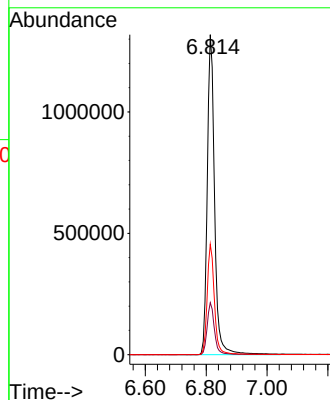
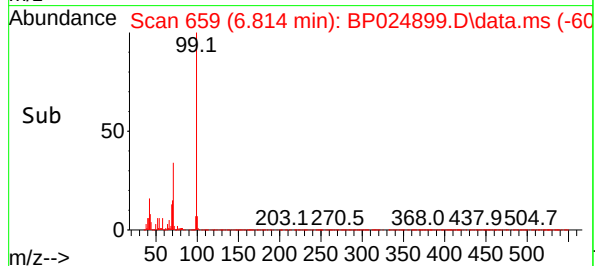
Instrument :
BNA_P
ClientSampleId :
B-202-SB01



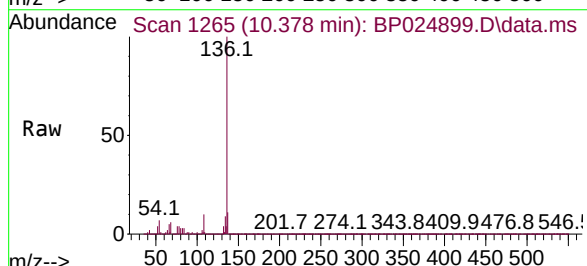
Tgt Ion: 99 Resp: 219571
Ion Ratio Lower Upper
99 100
42 16.2 13.4 20.2
71 34.5 27.6 41.4

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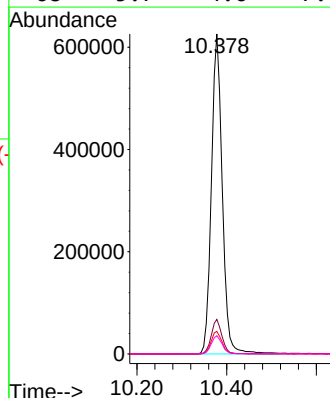
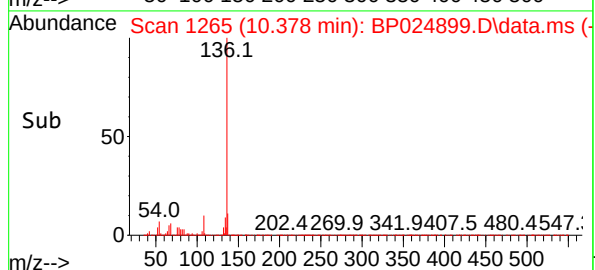
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

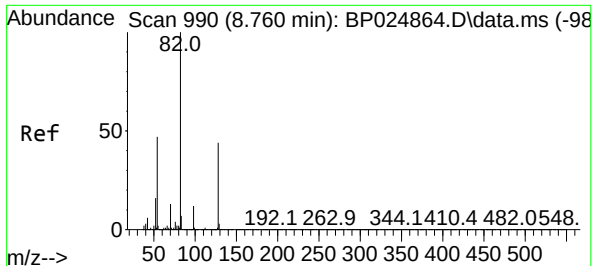


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30



Tgt Ion:136 Resp: 1052781
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.1 6.1 9.1
68 5.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 60.512 ng

RT: 8.761 min Scan# 990

Delta R.T. 0.000 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

Instrument :

BNA_P

ClientSampleId :

B-202-SB01

Tgt Ion: 82 Resp: 1311010

Ion Ratio Lower Upper

82 100

128 45.2 35.3 52.9

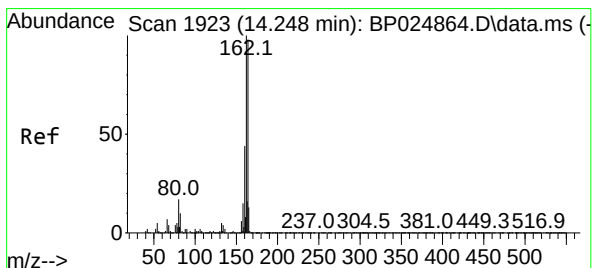
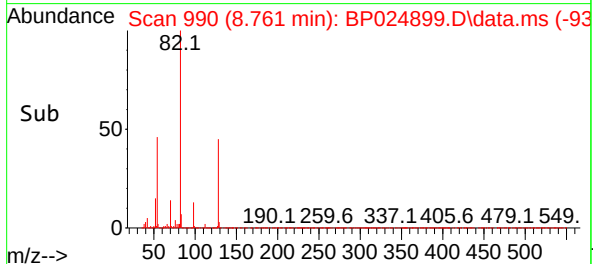
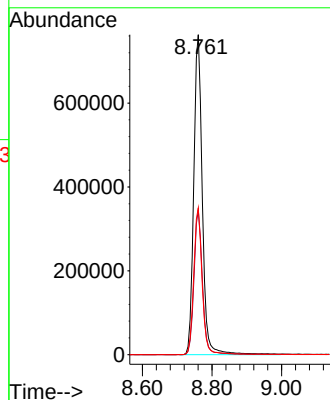
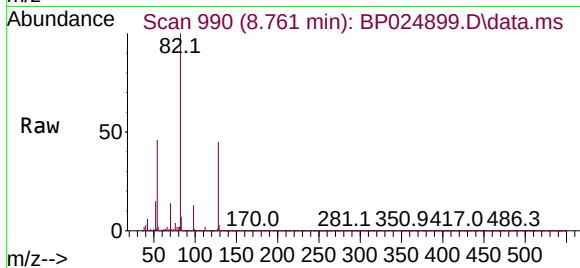
54 45.9 37.4 56.0

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Reviewed By :Anahy Claudio 06/11/2025

Supervised By :Jagrut Upadhyay 06/11/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.248 min Scan# 1923

Delta R.T. 0.000 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

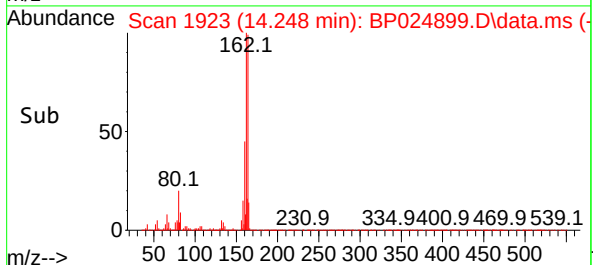
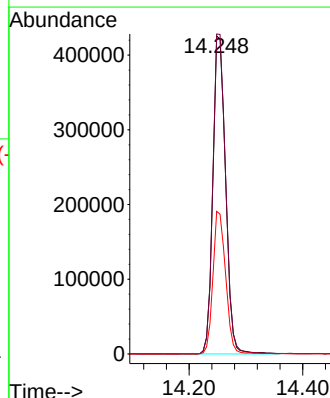
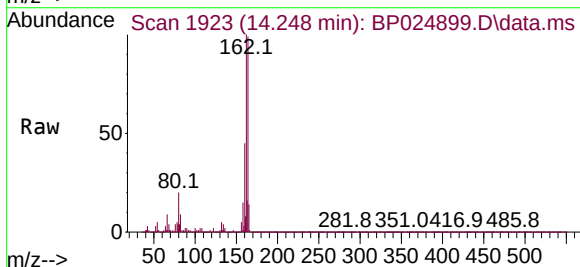
Tgt Ion:164 Resp: 660296

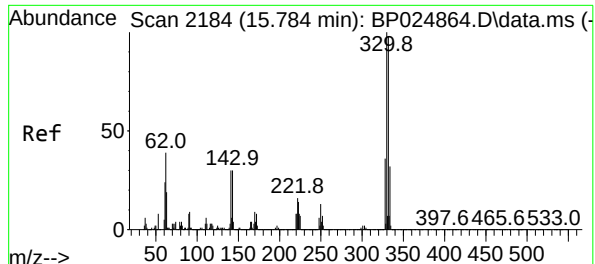
Ion Ratio Lower Upper

164 100

162 100.6 81.6 122.4

160 44.9 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 112.656 ng

RT: 15.778 min Scan# 2184

Delta R.T. -0.006 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

Instrument :

BNA_P

ClientSampleId :

B-202-SB01

Tgt Ion:330 Resp: 1028434

Ion Ratio Lower Upper

330 100

332 97.5 77.7 116.5

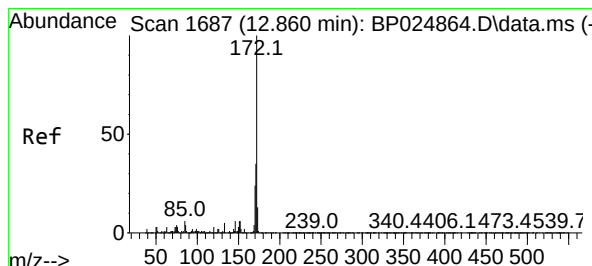
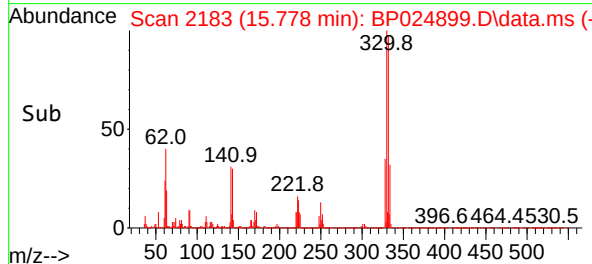
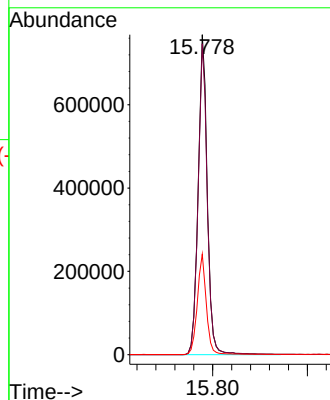
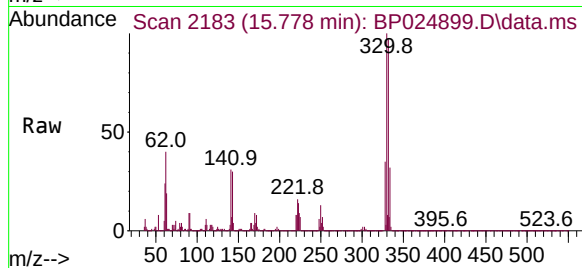
141 30.9 26.4 39.6

Manual Integrations

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Reviewed By :Anahy Claudio 06/11/2025

Supervised By :Jagrut Upadhyay 06/11/2025



#45

2-Fluorobiphenyl

Concen: 57.616 ng

RT: 12.860 min Scan# 1687

Delta R.T. 0.000 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

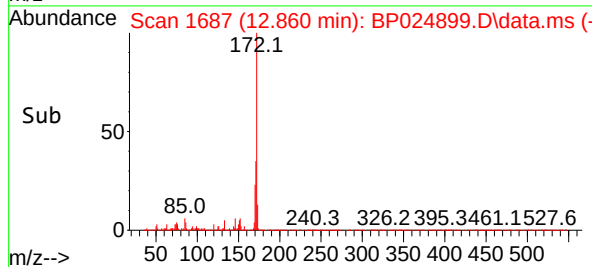
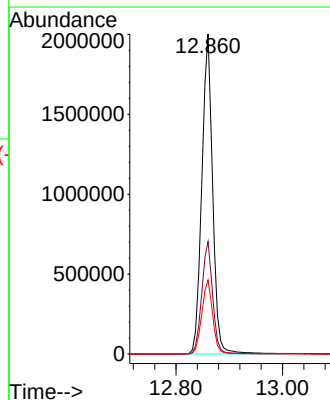
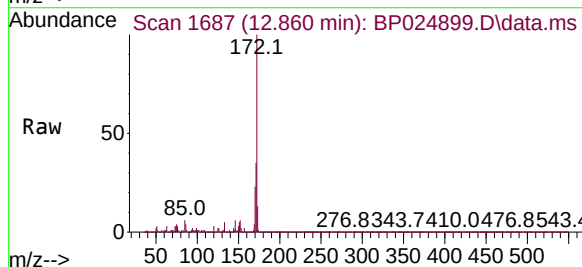
Tgt Ion:172 Resp: 2824048

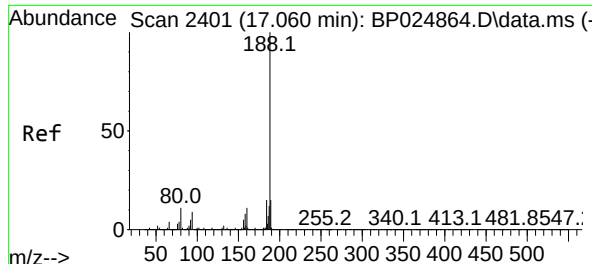
Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.1 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.054 min Scan# 2400

Delta R.T. -0.006 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

Instrument :

BNA_P

ClientSampleId :

B-202-SB01

Tgt Ion:188 Resp: 1279790

Ion Ratio Lower Upper

188 100

94 9.3 7.3 10.9

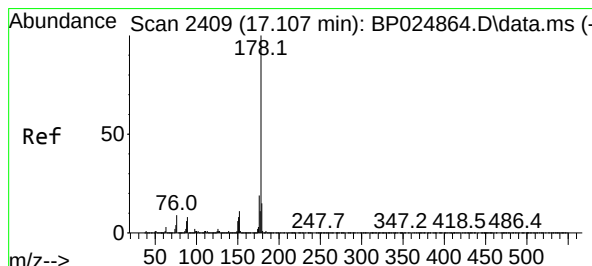
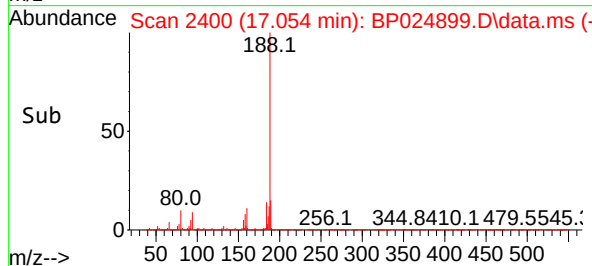
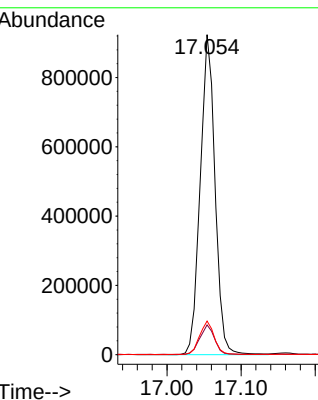
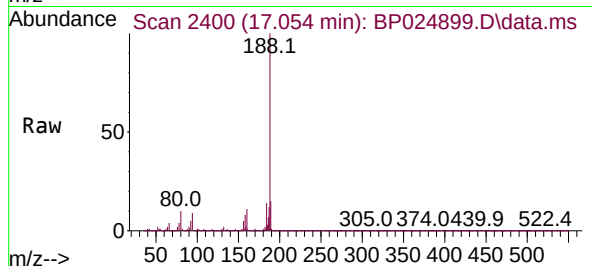
80 10.5 8.5 12.7

Manual Integrations

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Reviewed By :Anahy Claudio 06/11/2025

Supervised By :Jagrut Upadhyay 06/11/2025



#71

Phenanthrene

Concen: 5.833 ng

RT: 17.101 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

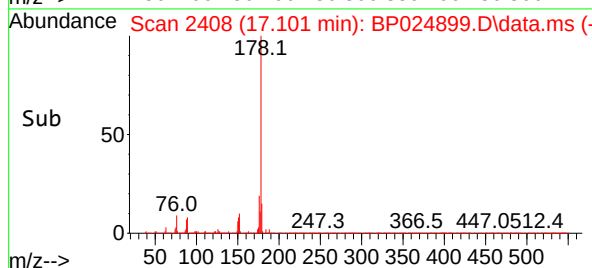
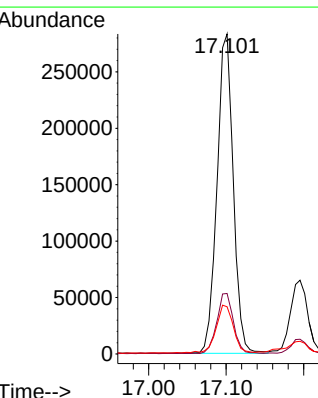
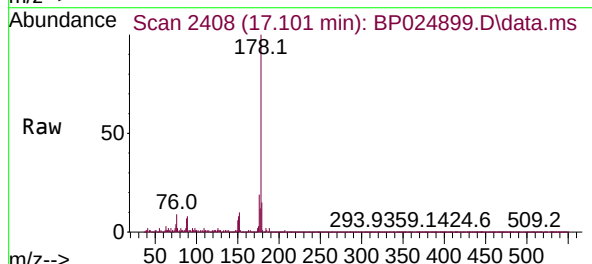
Tgt Ion:178 Resp: 412561

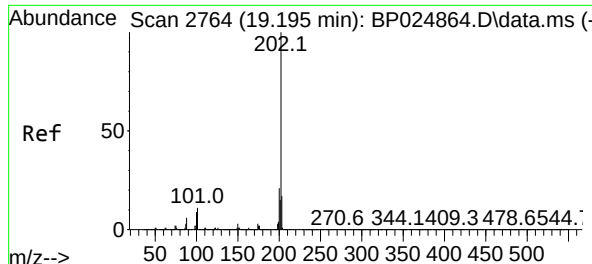
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 14.8 12.1 18.1





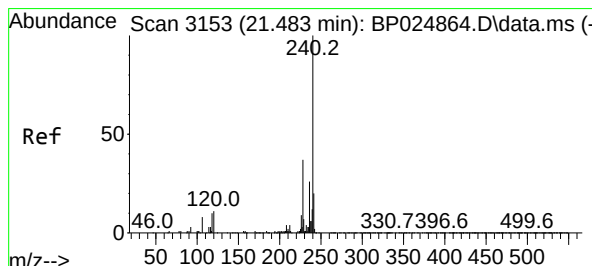
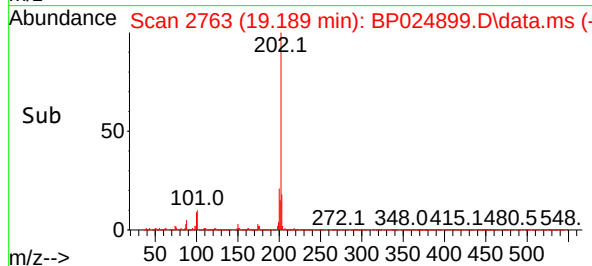
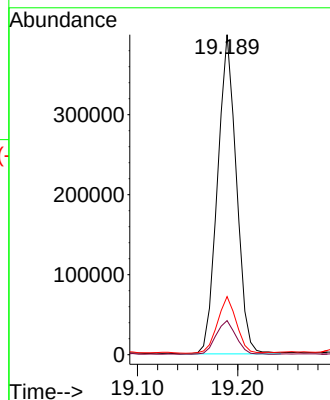
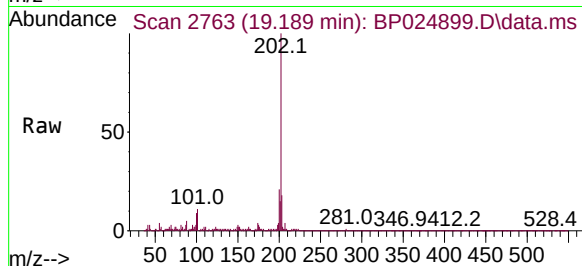
#75
Fluoranthene
Concen: 6.362 ng
RT: 19.189 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Tgt Ion:202 Resp: 521508
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.4
203 18.2 0.0 37.5

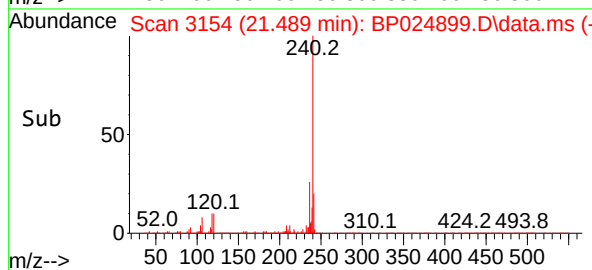
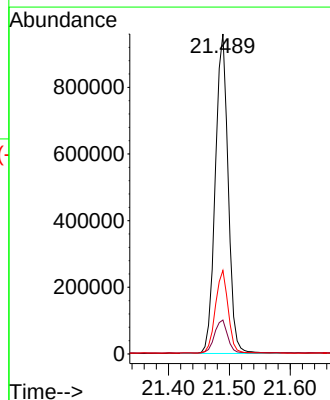
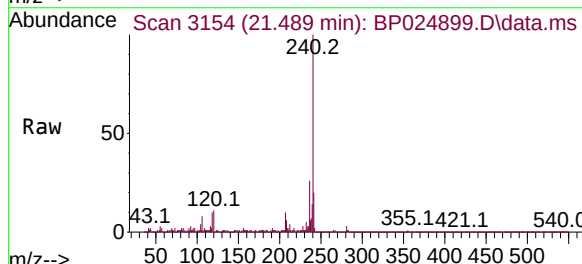
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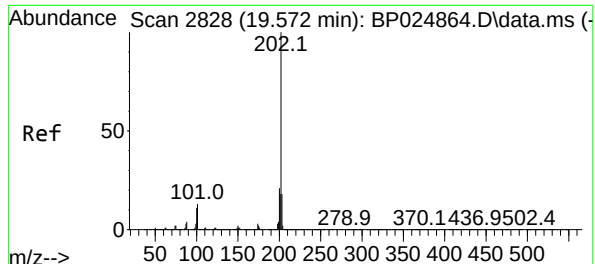
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:240 Resp: 1406584
Ion Ratio Lower Upper
240 100
120 10.6 8.9 13.3
236 26.1 20.9 31.3





#78

Pyrene

Concen: 5.776 ng

RT: 19.566 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

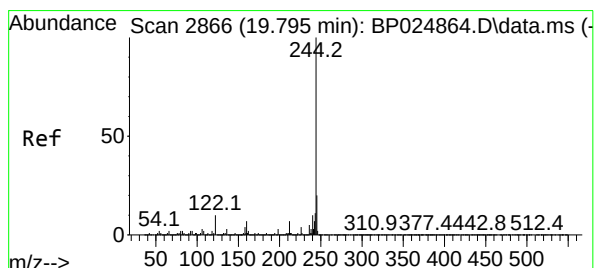
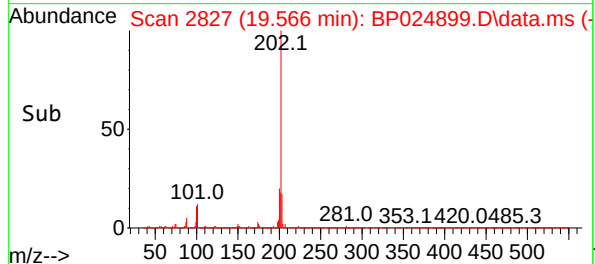
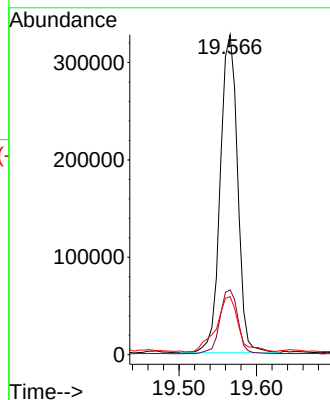
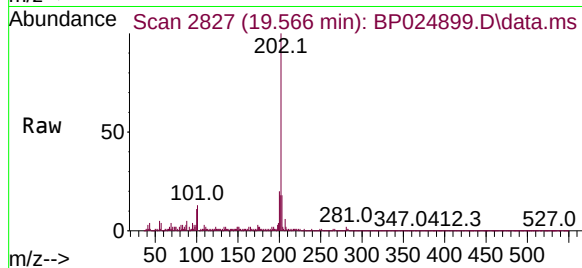
Instrument :

BNA_P

ClientSampleId :

B-202-SB01

Tgt Ion:	202	Resp:	507574
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.1	25.7
203	18.1	14.0	21.0

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Supervised By :Jagrut Upadhyay 06/11/2025

#79

Terphenyl-d14

Concen: 55.921 ng

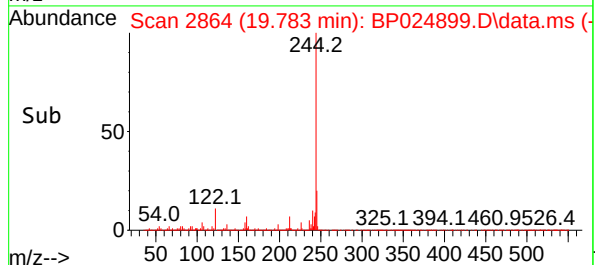
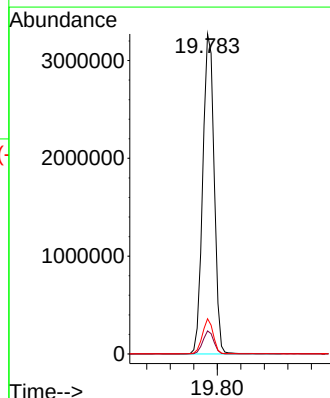
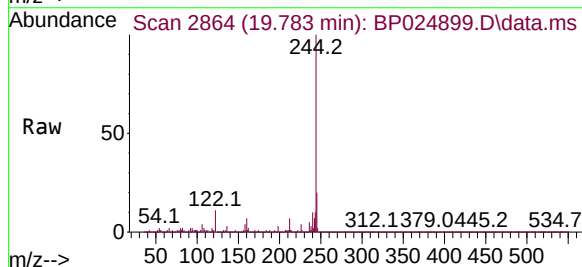
RT: 19.783 min Scan# 2864

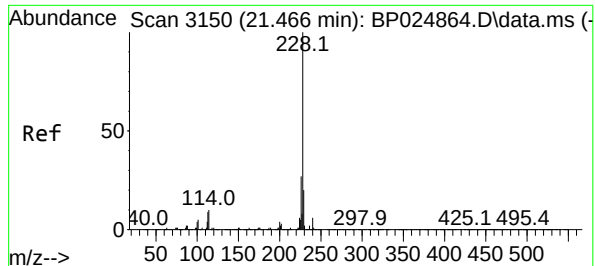
Delta R.T. -0.012 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

Tgt Ion:	244	Resp:	4388776
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.6	8.4
122	11.0	7.7	11.5





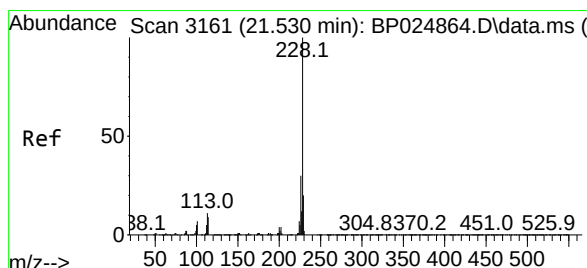
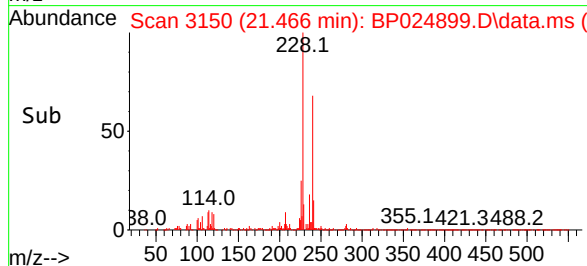
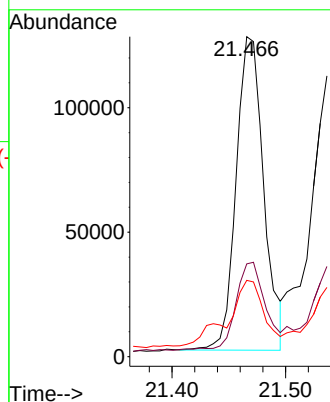
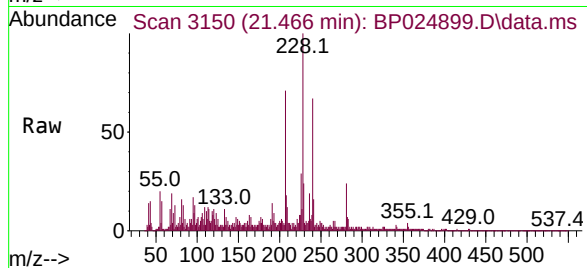
#81
Benzo(a)anthracene
Concen: 2.363 ng
RT: 21.466 min Scan# 3150
Delta R.T. 0.000 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Tgt Ion:228 Resp: 212600
Ion Ratio Lower Upper
228 100
226 29.0 22.1 33.1
229 23.9 15.9 23.9

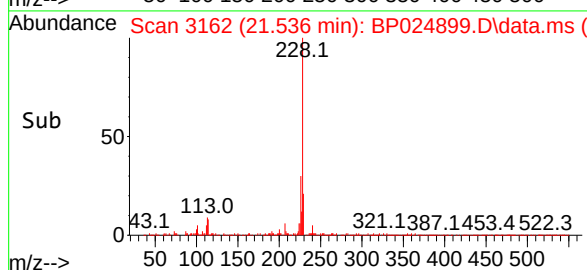
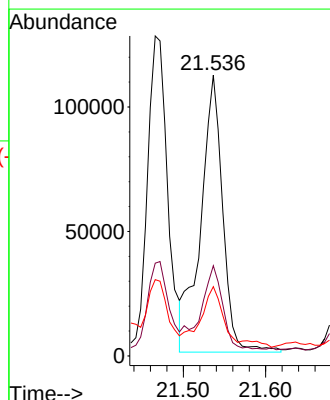
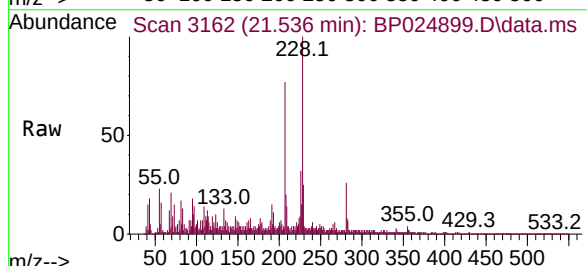
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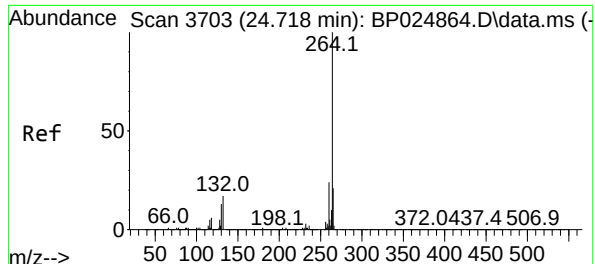
Reviewed By :Anahy Claudio 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#83
Chrysene
Concen: 2.442 ng m
RT: 21.536 min Scan# 3162
Delta R.T. 0.006 min
Lab File: BP024899.D
Acq: 10 Jun 2025 18:30

Tgt Ion:228 Resp: 208166
Ion Ratio Lower Upper
228 100
226 32.2 23.8 35.6
229 24.7 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.766 min Scan# 31

Delta R.T. 0.047 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

Instrument :

BNA_P

ClientSampleId :

B-202-SB01

Tgt Ion:264 Resp: 1730554

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

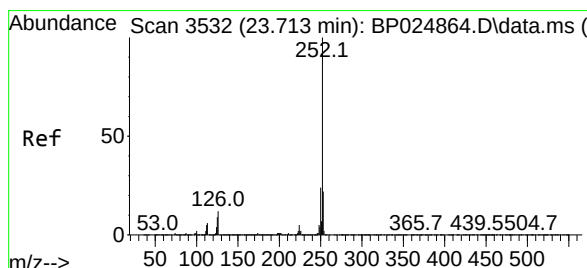
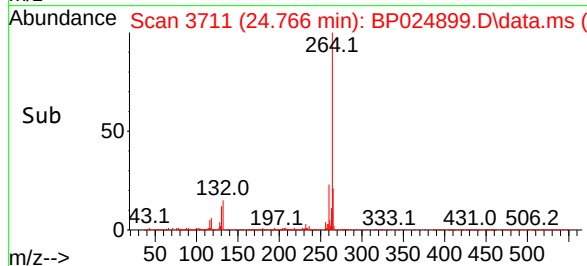
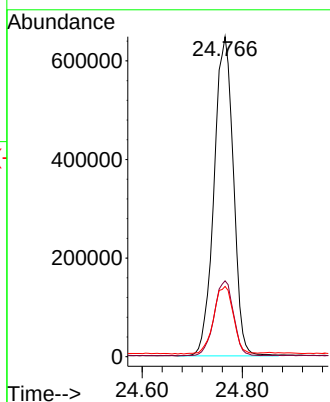
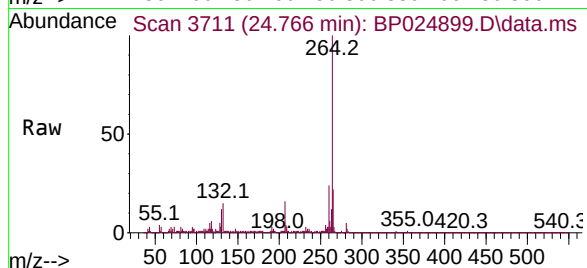
265 22.0 17.4 26.0

Manual Integrations

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Reviewed By :Anahy Claudio 06/11/2025

Supervised By :Jagrut Upadhyay 06/11/2025



#88

Benzo(b)fluoranthene

Concen: 2.544 ng

RT: 23.724 min Scan# 3534

Delta R.T. 0.012 min

Lab File: BP024899.D

Acq: 10 Jun 2025 18:30

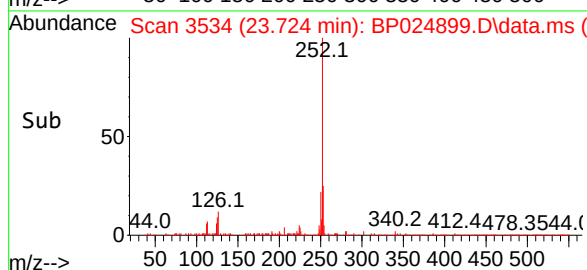
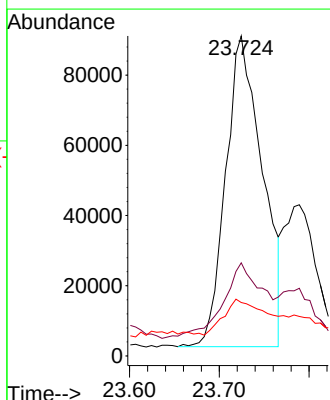
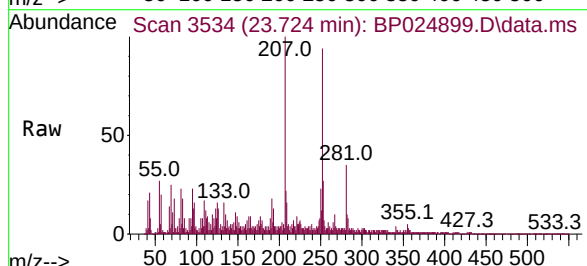
Tgt Ion:252 Resp: 251939

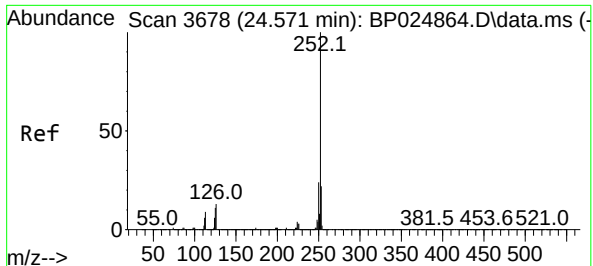
Ion Ratio Lower Upper

252 100

253 29.1 17.6 26.4#

125 16.7 7.1 10.7#





#90

Benzo(a)pyrene

Concen: 2.237 ng

RT: 24.601 min Scan# 30

Delta R.T. 0.029 min

Lab File: BP024899.D

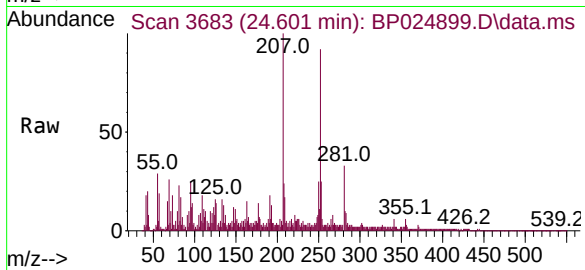
Acq: 10 Jun 2025 18:30

Instrument :

BNA_P

ClientSampleId :

B-202-SB01



Tgt Ion: 252 Resp: 21641

Ion Ratio Lower Upper

252 100

253 27.6 17.5 26.3

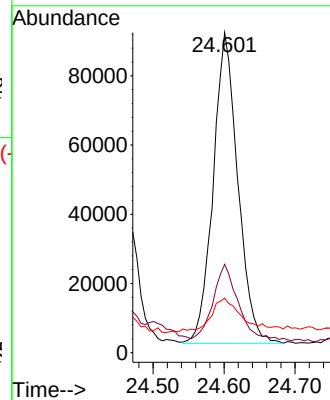
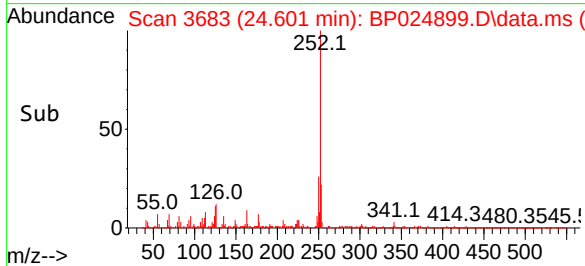
125 17.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/11/2025

Supervised By :Jagrut Upadhyay 06/11/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024899.D
Acq On : 10 Jun 2025 18:30
Operator : RC/JU
Sample : Q2177-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

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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-BP060625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024899.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.772	306	312	323	rBV	334017	478073	3.98%	0.716%
2	5.237	385	391	409	rBV	3614116	5527860	45.99%	8.274%
3	6.814	652	659	682	rBV	3563082	6000550	49.93%	8.981%
4	7.608	785	794	808	rBV	947214	1483058	12.34%	2.220%
5	8.761	982	990	1012	rBV	2168028	3701029	30.79%	5.539%
6	10.378	1254	1265	1282	rBV	1244971	2153909	17.92%	3.224%
7	12.860	1680	1687	1706	rBV	5709510	8155782	67.86%	12.207%
8	14.248	1917	1923	1931	rBV	1792046	2766689	23.02%	4.141%
9	15.325	2100	2106	2109	rBV2	79134	121623	1.01%	0.182%
10	15.642	2153	2160	2167	rBV	918562	1339606	11.15%	2.005%
11	15.778	2176	2183	2191	rBV	5484029	7262007	60.42%	10.869%
12	17.054	2394	2400	2404	rBV2	2275613	3193996	26.58%	4.781%
13	17.101	2404	2408	2414	rVB	666793	982417	8.17%	1.470%
14	17.195	2420	2424	2430	rVB	151711	219022	1.82%	0.328%
15	17.995	2556	2560	2567	rVV2	639399	1066370	8.87%	1.596%
16	19.189	2759	2763	2768	rVB	914898	1168215	9.72%	1.749%
17	19.331	2784	2787	2791	rBV4	163304	242890	2.02%	0.364%
18	19.566	2823	2827	2831	rVB	663540	970217	8.07%	1.452%
19	19.783	2859	2864	2876	rVB	8881864	12018511	100.00%	17.989%
20	21.489	3149	3154	3159	rVB	2492645	3899257	32.44%	5.836%
21	24.766	3705	3711	3720	rVB	1629102	4060995	33.79%	6.078%

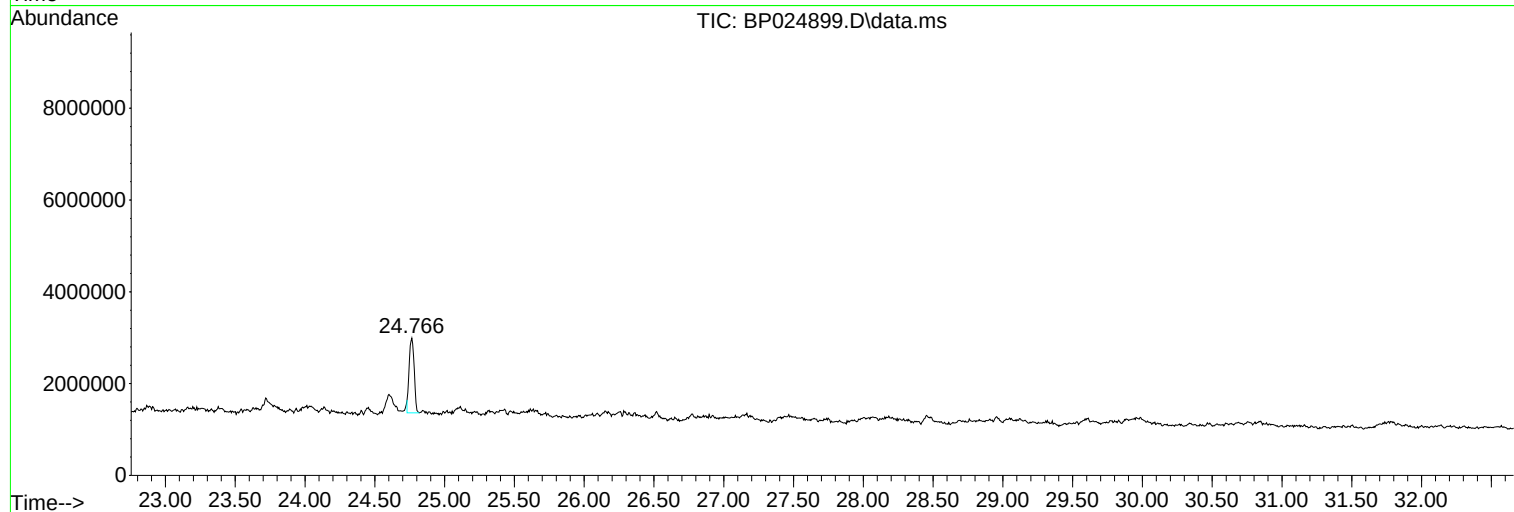
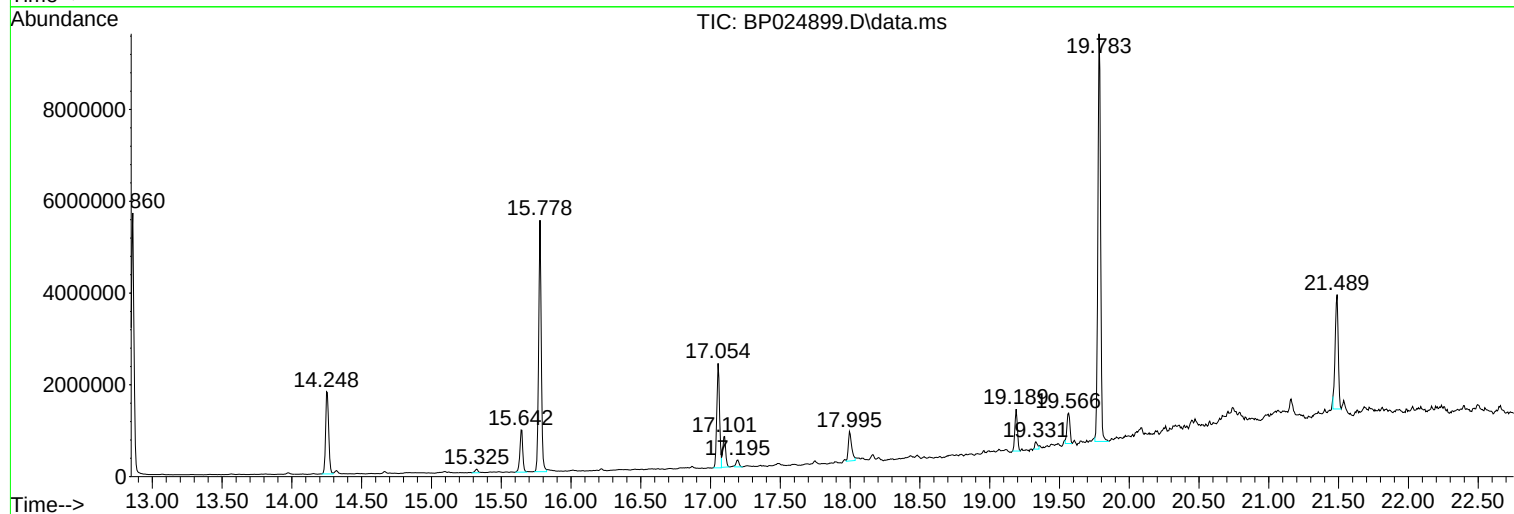
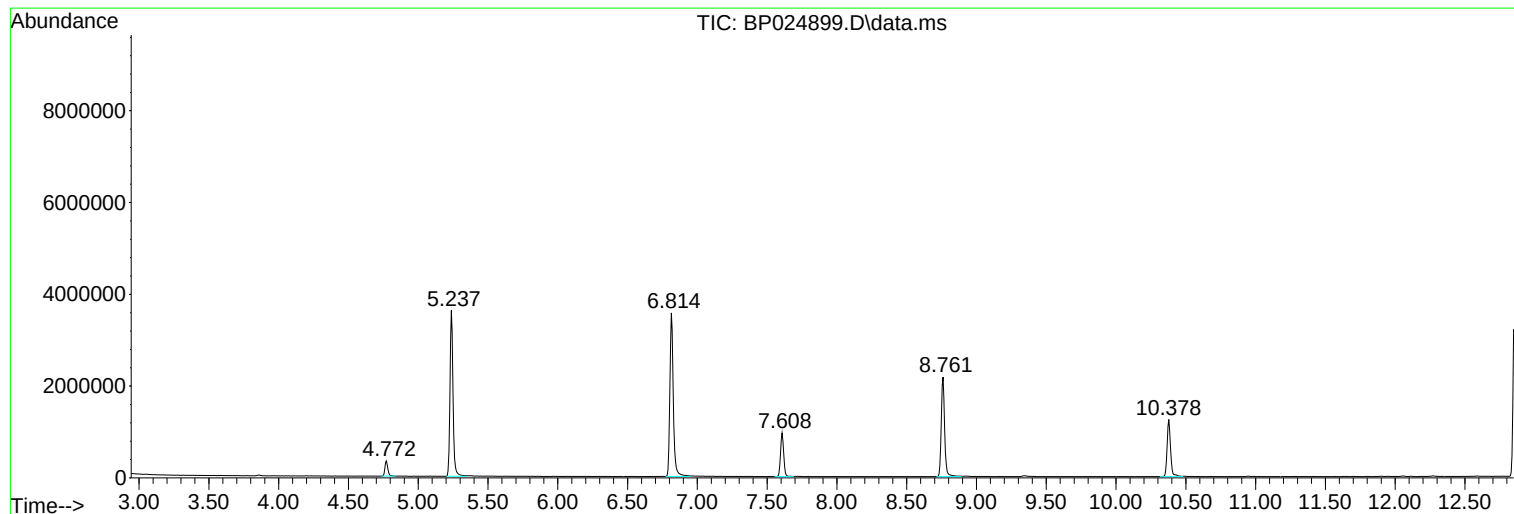
Sum of corrected areas: 66812076

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024899.D
Acq On : 10 Jun 2025 18:30
Operator : RC/JU
Sample : Q2177-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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\BP061025\
Data File : BP024899.D
Acq On : 10 Jun 2025 18:30
Operator : RC/JU
Sample : Q2177-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

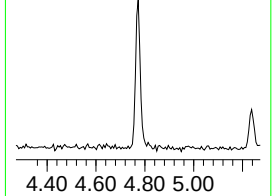
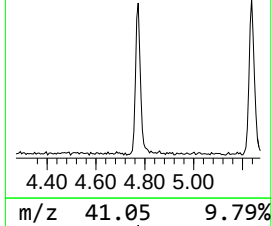
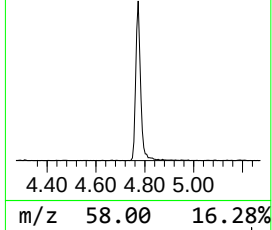
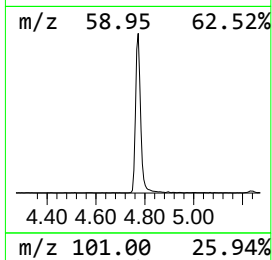
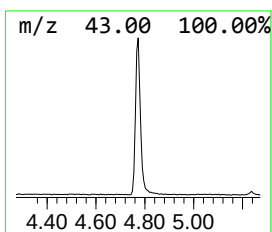
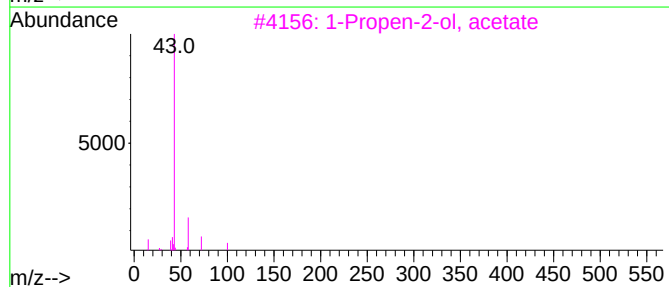
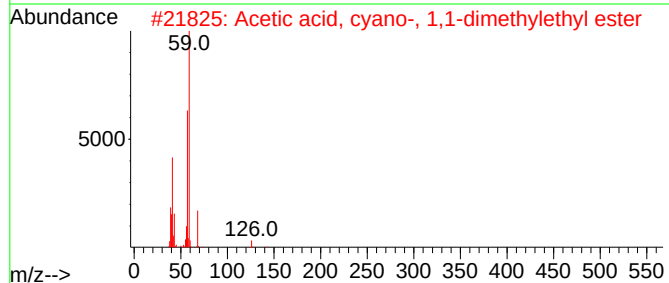
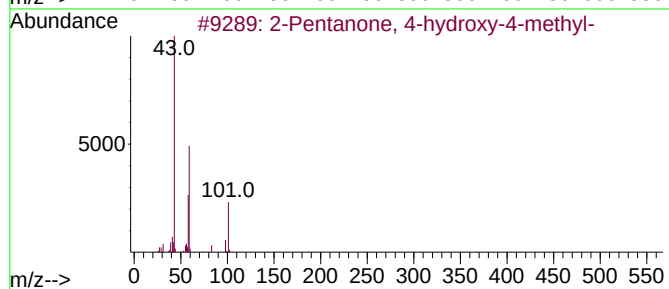
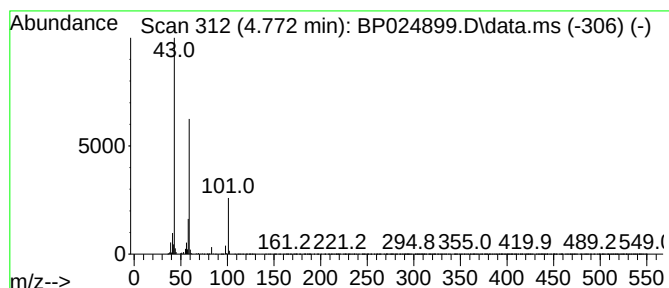
Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.772	6.45 ng	478073	1,4-Dichlorobenzene-d4	7.608	
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	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024899.D
Acq On : 10 Jun 2025 18:30
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Sample : Q2177-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

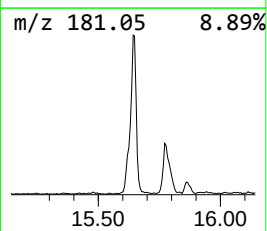
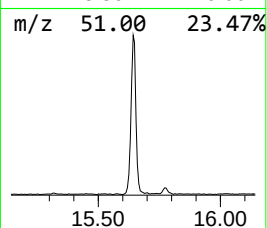
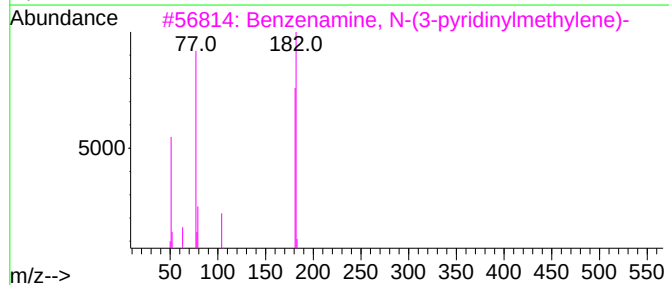
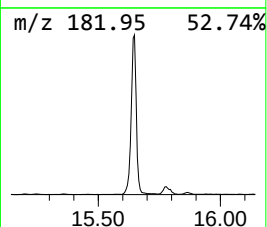
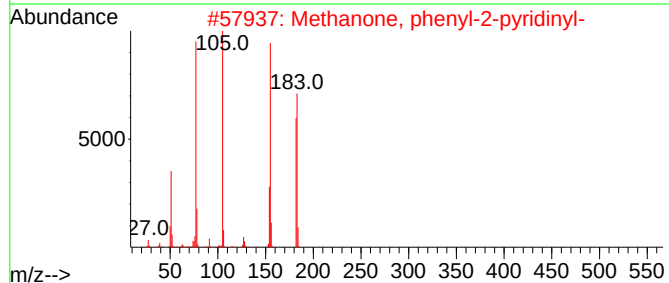
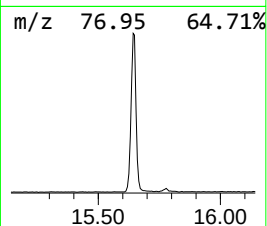
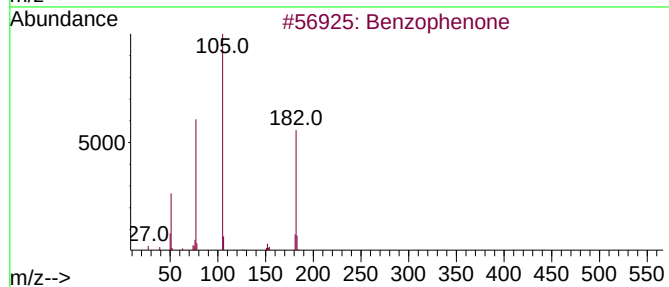
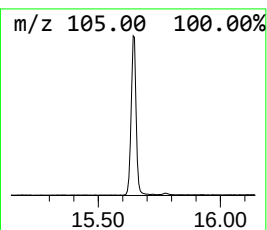
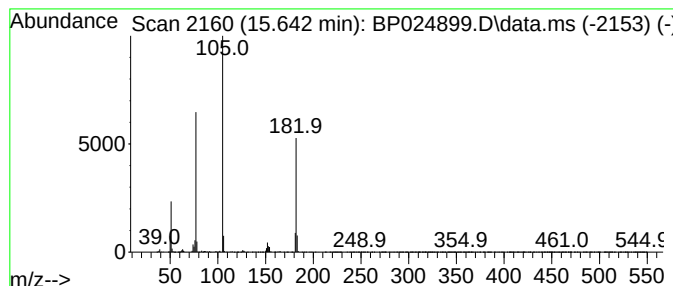
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.643	9.68 ng	1339610	Acenaphthene-d10	14.249

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	50
3			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45
4			Azobenzene	182	C12H10N2	000103-33-3	45
5			1,1-Diphenyl-2-phenylthiobut-3-e...	332	C22H20OS	097370-20-2	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
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Sample : Q2177-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

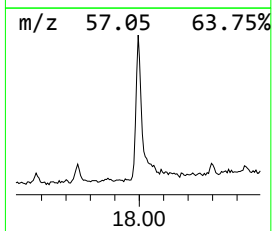
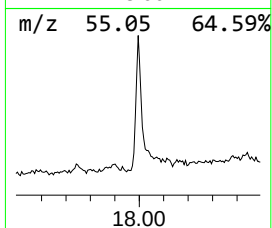
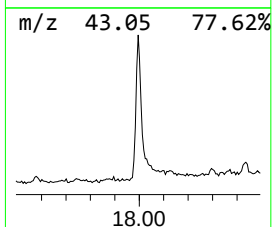
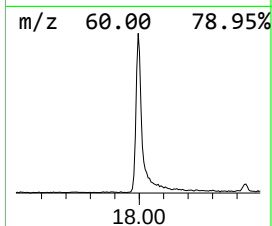
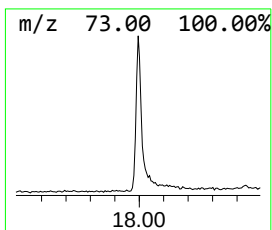
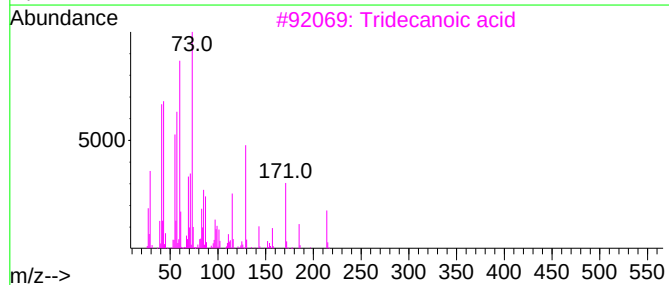
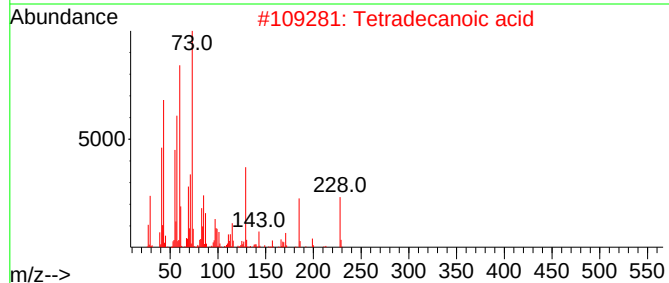
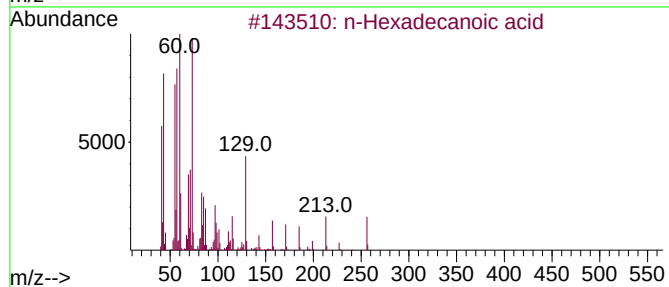
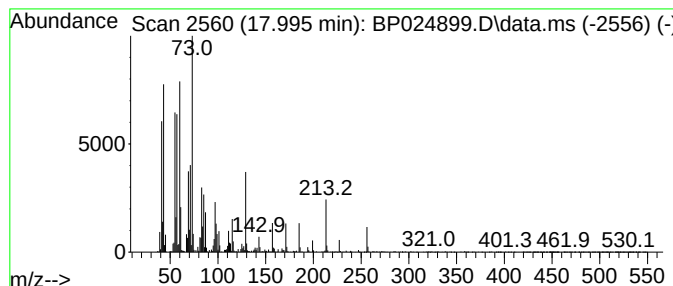
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.995	6.68 ng	1066370	Phenanthrene-d10	17.054

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3			Tridecanoic acid	214	C13H26O2	000638-53-9	93
4			Octadecanoic acid	284	C18H36O2	000057-11-4	93
5			Pentadecanoic acid	242	C15H30O2	001002-84-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024899.D
Acq On : 10 Jun 2025 18:30
Operator : RC/JU
Sample : Q2177-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-202-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.772	6.5	ng	478073	1	7.608	1483060	20.0
Benzophenone	15.643	9.7	ng	1339610	3	14.249	2766690	20.0
n-Hexadecanoic ...	17.995	6.7	ng	1066370	4	17.054	3194000	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

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Quant Time: Jun 06 22:57:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	220757	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	837398	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	443312	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	652874	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	417346	20.000	ng	#-0.01
86) Perylene-d12	15.562	264	499853	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	416699	31.801	ng	0.00
7) Phenol-d6	6.516	99	349815	22.178	ng	-0.02
23) Nitrobenzene-d5	7.457	82	541368	35.252	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	256220	52.075	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1168881	35.381	ng	-0.02
79) Terphenyl-d14	13.010	244	910708	29.820	ng	0.00

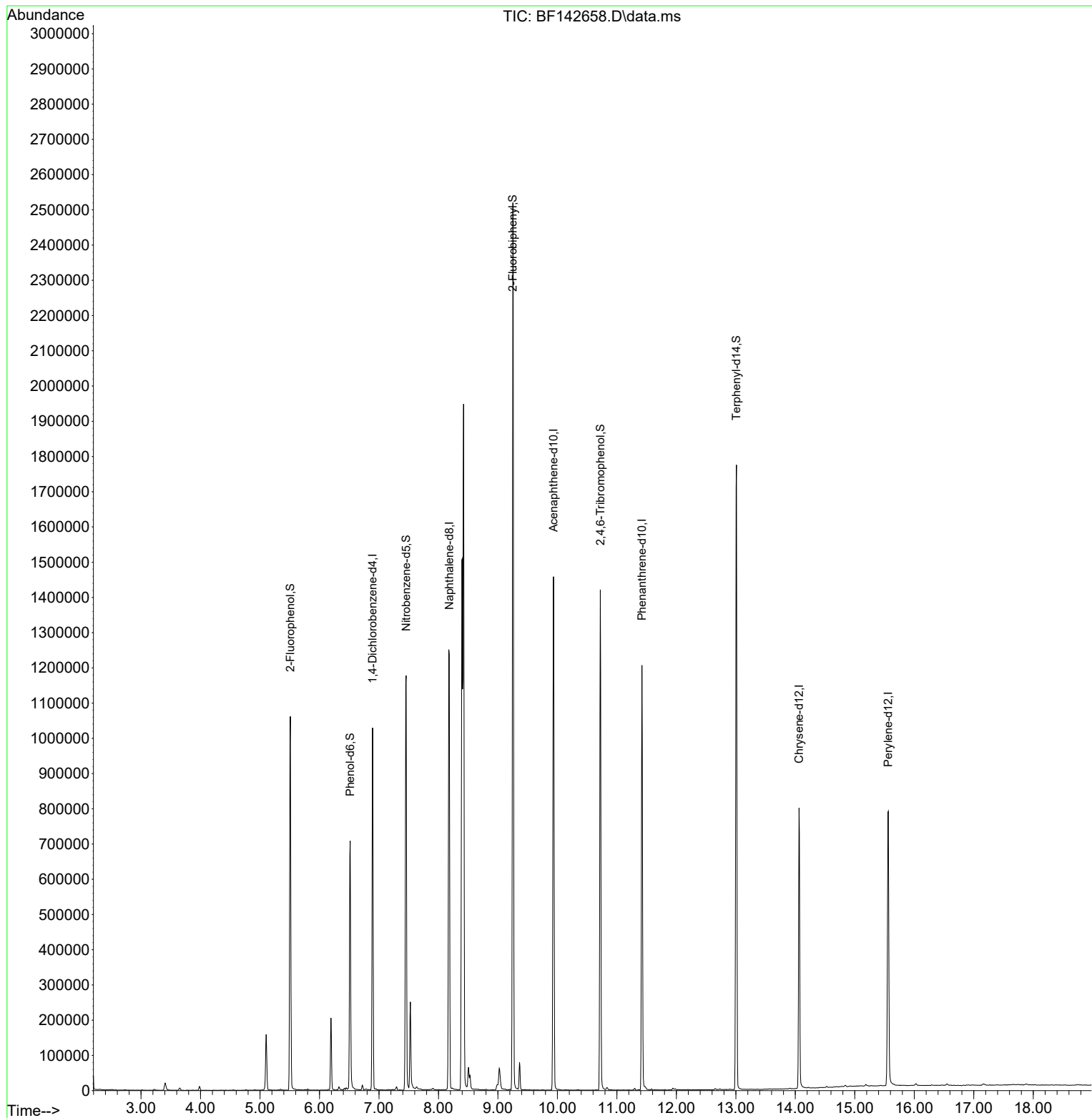
Target Compounds	Qvalue

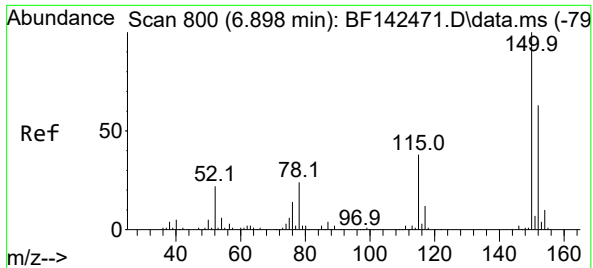
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

Quant Time: Jun 06 22:57:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
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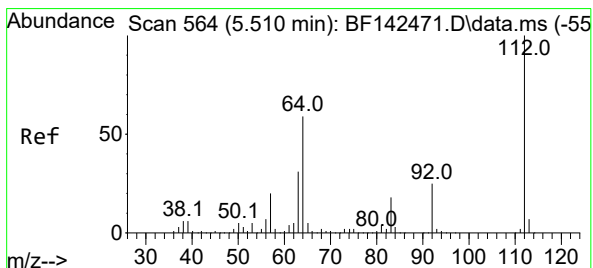
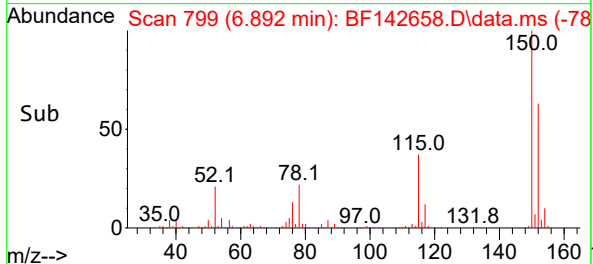
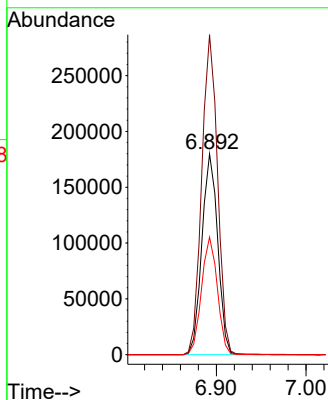
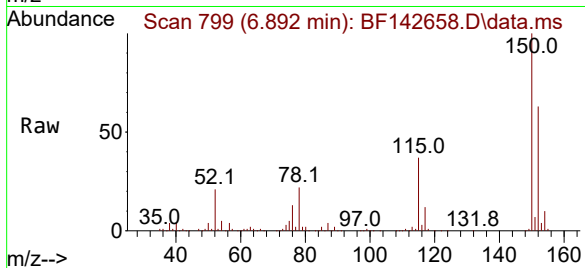




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

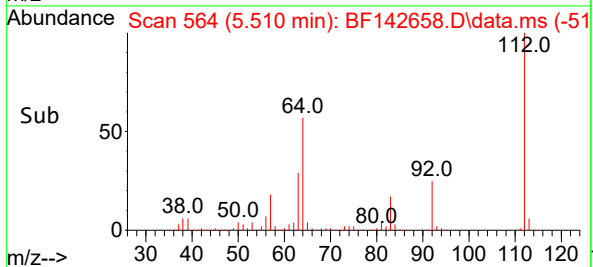
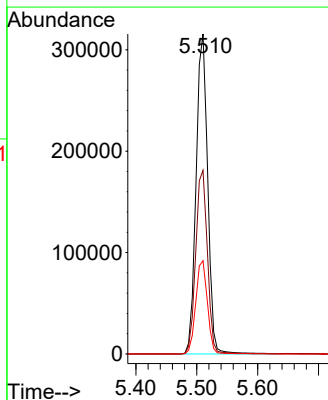
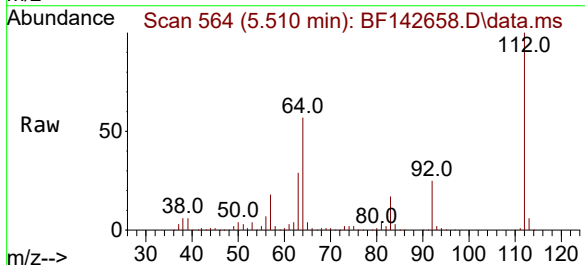
Instrument :
BNA_F
ClientSampleId :
EB05312025

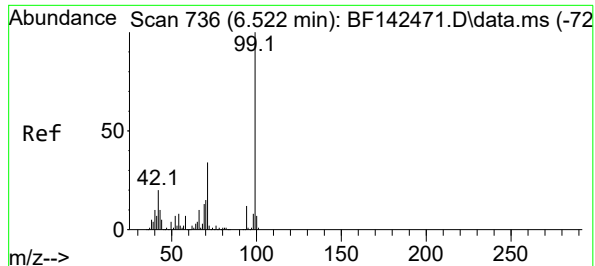
Tgt Ion:152 Resp: 220757
Ion Ratio Lower Upper
152 100
150 159.4 128.2 192.4
115 58.6 48.3 72.5



#5
2-Fluorophenol
Concen: 31.801 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142658.D
Acq: 06 Jun 2025 21:02

Tgt Ion:112 Resp: 416699
Ion Ratio Lower Upper
112 100
64 57.3 47.5 71.3
63 29.2 24.9 37.3





#7

Phenol-d6

Concen: 22.178 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF142658.D

Acq: 06 Jun 2025 21:02

Instrument :

BNA_F

ClientSampleId :

EB05312025

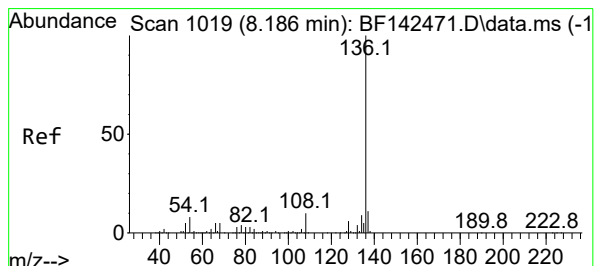
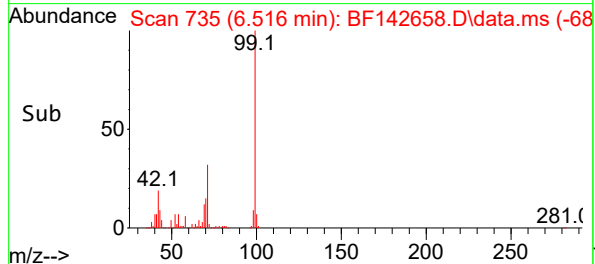
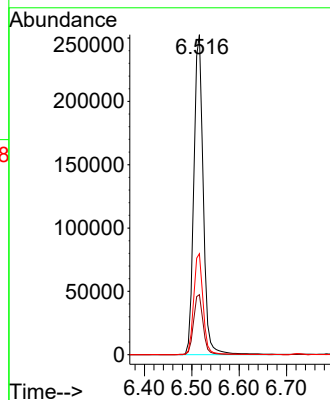
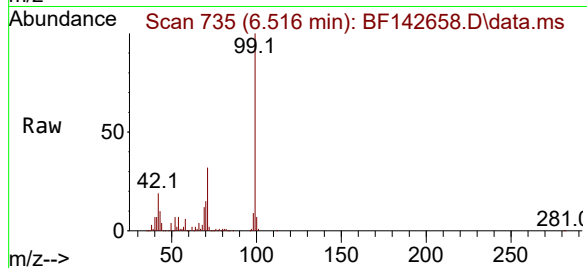
Tgt Ion: 99 Resp: 349815

Ion Ratio Lower Upper

99 100

42 18.8 16.2 24.2

71 31.5 27.3 40.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF142658.D

Acq: 06 Jun 2025 21:02

Tgt Ion: 136 Resp: 837398

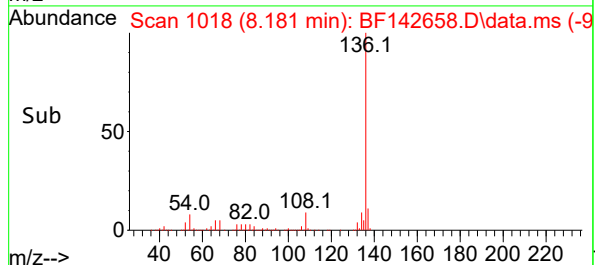
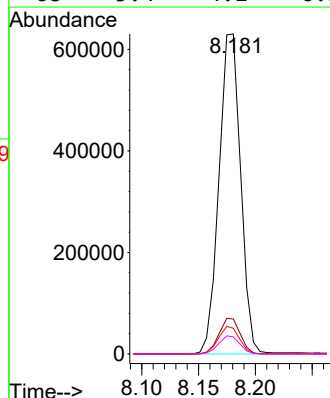
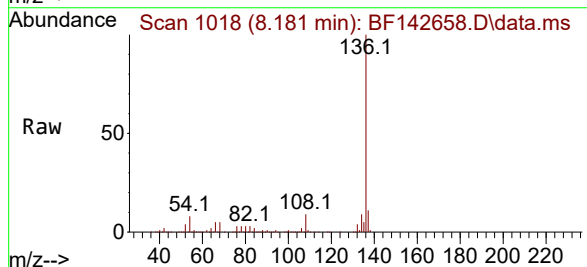
Ion Ratio Lower Upper

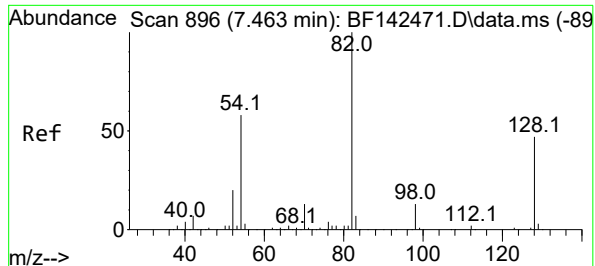
136 100

137 10.9 8.6 13.0

54 8.1 6.6 10.0

68 5.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 35.252 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF142658.D

Acq: 06 Jun 2025 21:02

Instrument :

BNA_F

ClientSampleId :

EB05312025

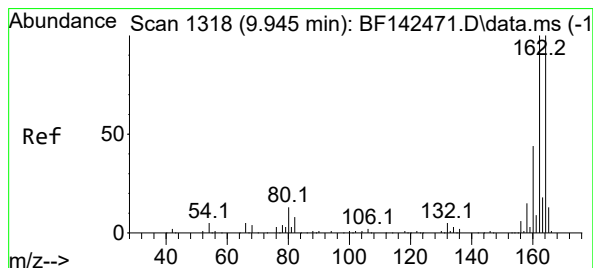
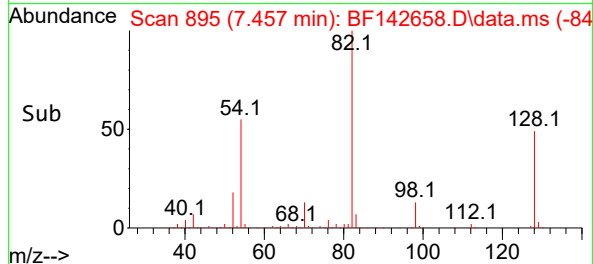
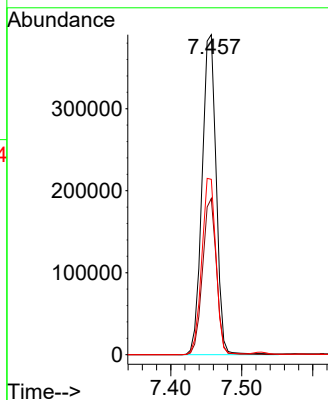
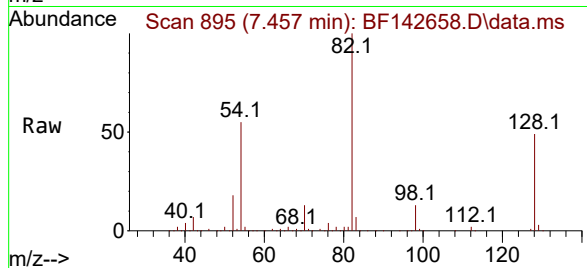
Tgt Ion: 82 Resp: 541368

Ion Ratio Lower Upper

82 100

128 48.8 37.4 56.2

54 54.8 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142658.D

Acq: 06 Jun 2025 21:02

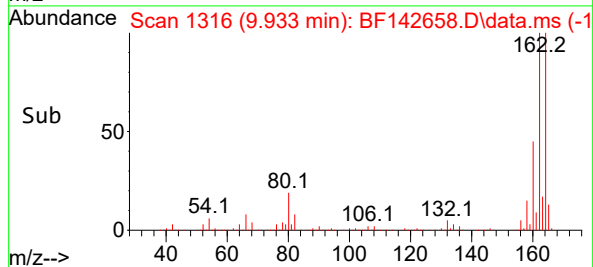
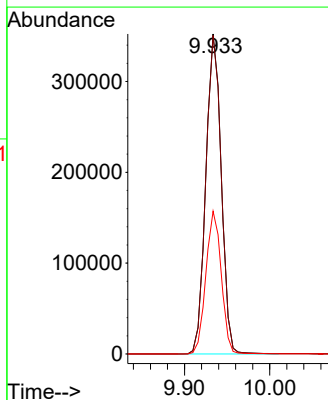
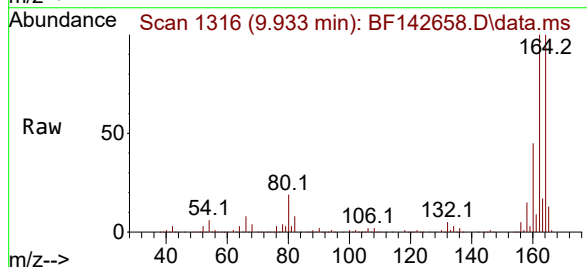
Tgt Ion:164 Resp: 443312

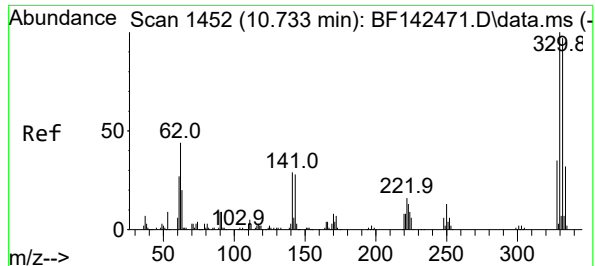
Ion Ratio Lower Upper

164 100

162 99.6 80.2 120.4

160 44.6 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 52.075 ng

RT: 10.722 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF142658.D

Acq: 06 Jun 2025 21:02

Instrument :

BNA_F

ClientSampleId :

EB05312025

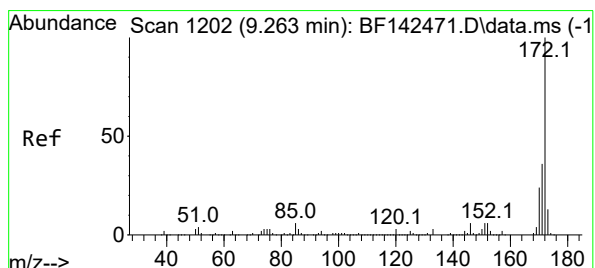
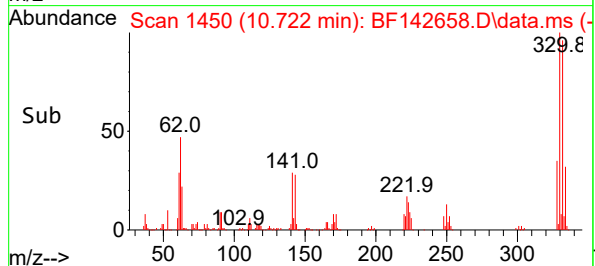
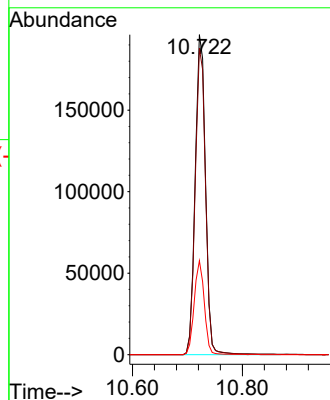
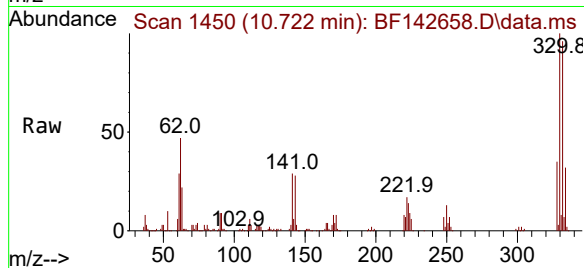
Tgt Ion:330 Resp: 256220

Ion Ratio Lower Upper

330 100

332 96.2 77.6 116.4

141 28.7 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 35.381 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF142658.D

Acq: 06 Jun 2025 21:02

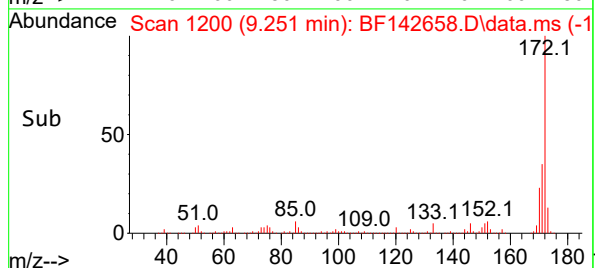
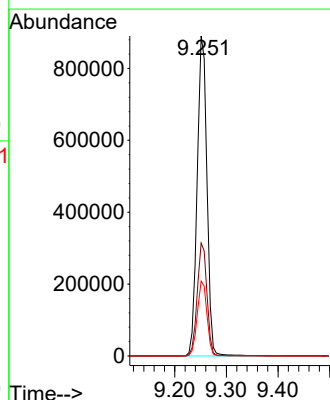
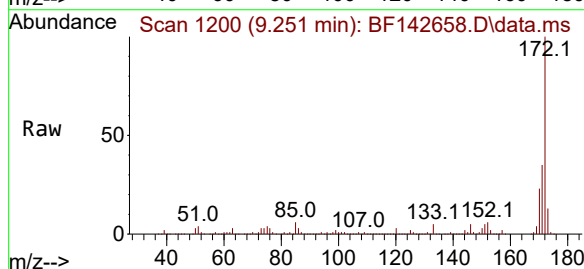
Tgt Ion:172 Resp: 1168881

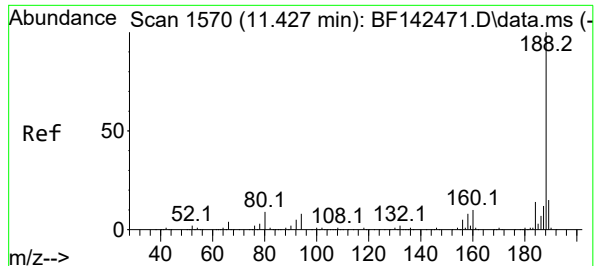
Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.4 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142658.D

Acq: 06 Jun 2025 21:02

Instrument :

BNA_F

ClientSampleId :

EB05312025

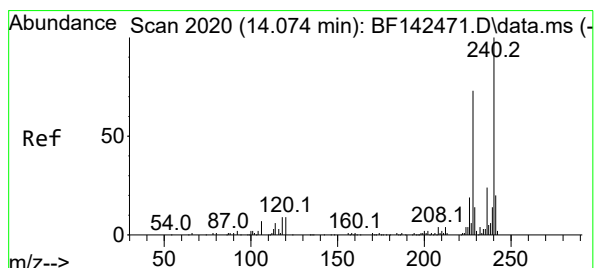
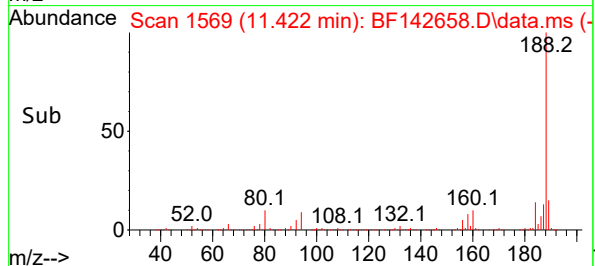
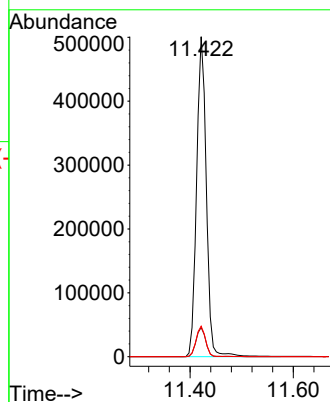
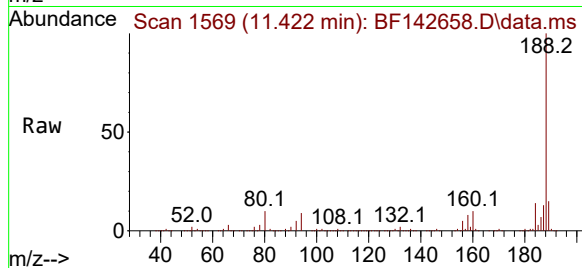
Tgt Ion:188 Resp: 652874

Ion Ratio Lower Upper

188 100

94 9.1 6.6 10.0

80 9.5 7.4 11.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF142658.D

Acq: 06 Jun 2025 21:02

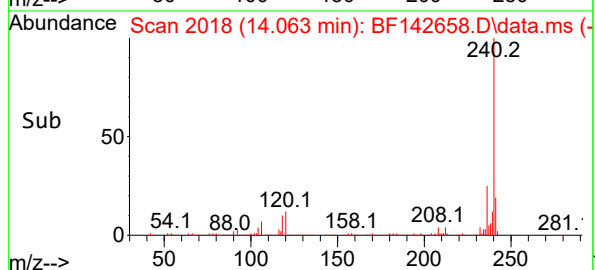
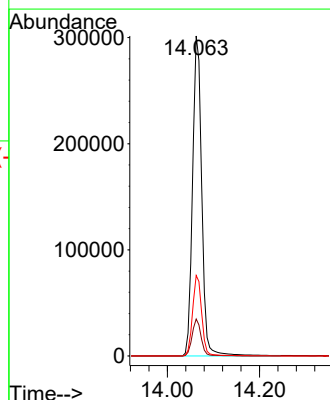
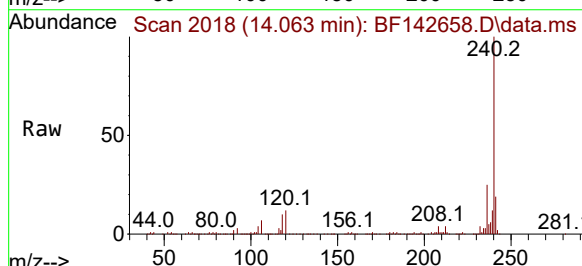
Tgt Ion:240 Resp: 417346

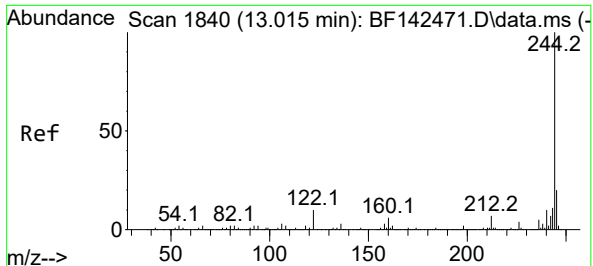
Ion Ratio Lower Upper

240 100

120 11.6 7.5 11.3#

236 25.2 19.6 29.4





#79

Terphenyl-d14

Concen: 29.820 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142658.D

Acq: 06 Jun 2025 21:02

Instrument :

BNA_F

ClientSampleId :

EB05312025

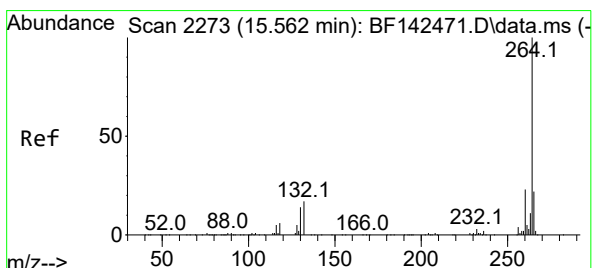
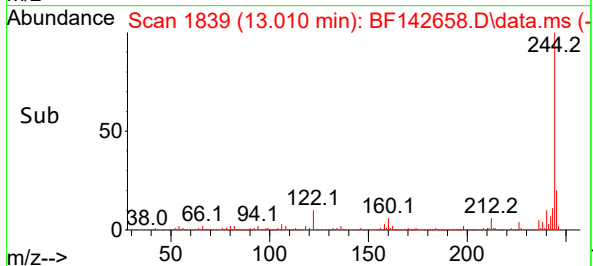
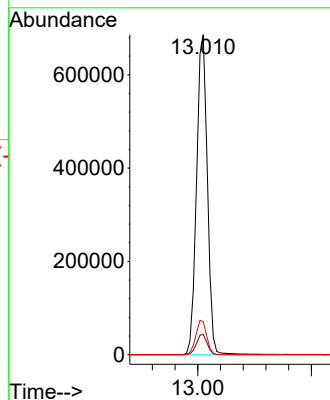
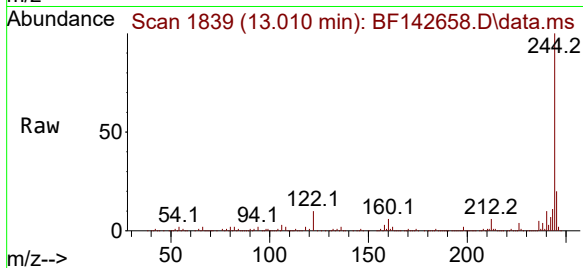
Tgt Ion:244 Resp: 910708

Ion Ratio Lower Upper

244 100

212 6.3 5.3 7.9

122 10.3 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF142658.D

Acq: 06 Jun 2025 21:02

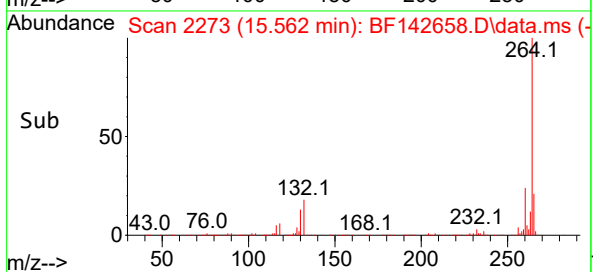
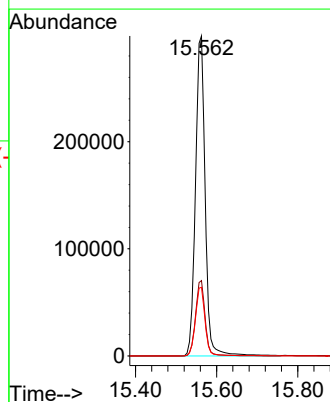
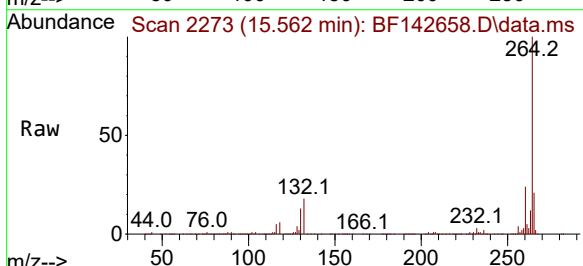
Tgt Ion:264 Resp: 499853

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 21.4 17.7 26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

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_F\Methods\8270-BF052025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142658.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.404	199	206	223	rVB	20200	42205	1.30%	0.164%
2	5.104	486	495	505	rBV	158178	228178	7.04%	0.886%
3	5.510	558	564	576	rBV	1060427	1404379	43.32%	5.451%
4	6.192	675	680	693	rVB	204633	256927	7.93%	0.997%
5	6.516	729	735	755	rVB	705600	977036	30.14%	3.792%
6	6.892	794	799	804	rBV	1027128	1257514	38.79%	4.881%
7	7.457	887	895	902	rBV	1176999	1638403	50.54%	6.360%
8	7.528	902	907	921	rVB	246668	337209	10.40%	1.309%
9	8.175	1005	1017	1023	rBV	1249838	1657682	51.14%	6.435%
10	8.398	1048	1055	1056	rBV	1506778	1977265	60.99%	7.675%
11	8.422	1056	1059	1068	rVV	1945489	2469920	76.19%	9.587%
12	8.504	1068	1073	1076	rVV	62313	97040	2.99%	0.377%
13	8.528	1076	1077	1086	rVB	39203	41030	1.27%	0.159%
14	9.022	1156	1161	1170	rVB2	58023	118084	3.64%	0.458%
15	9.251	1194	1200	1205	rBV	2518089	3241711	100.00%	12.583%
16	9.363	1215	1219	1228	rVB	78389	101238	3.12%	0.393%
17	9.933	1310	1316	1321	rBV	1457205	1832329	56.52%	7.112%
18	10.722	1445	1450	1465	rBV	1420099	1820408	56.16%	7.066%
19	11.422	1564	1569	1577	rBV	1205282	1544852	47.66%	5.997%
20	13.010	1833	1839	1844	rBV	1772941	2348119	72.43%	9.115%
21	14.063	2013	2018	2035	rBV	794713	1071174	33.04%	4.158%
22	15.562	2266	2273	2288	rBV	778117	1299618	40.09%	5.045%

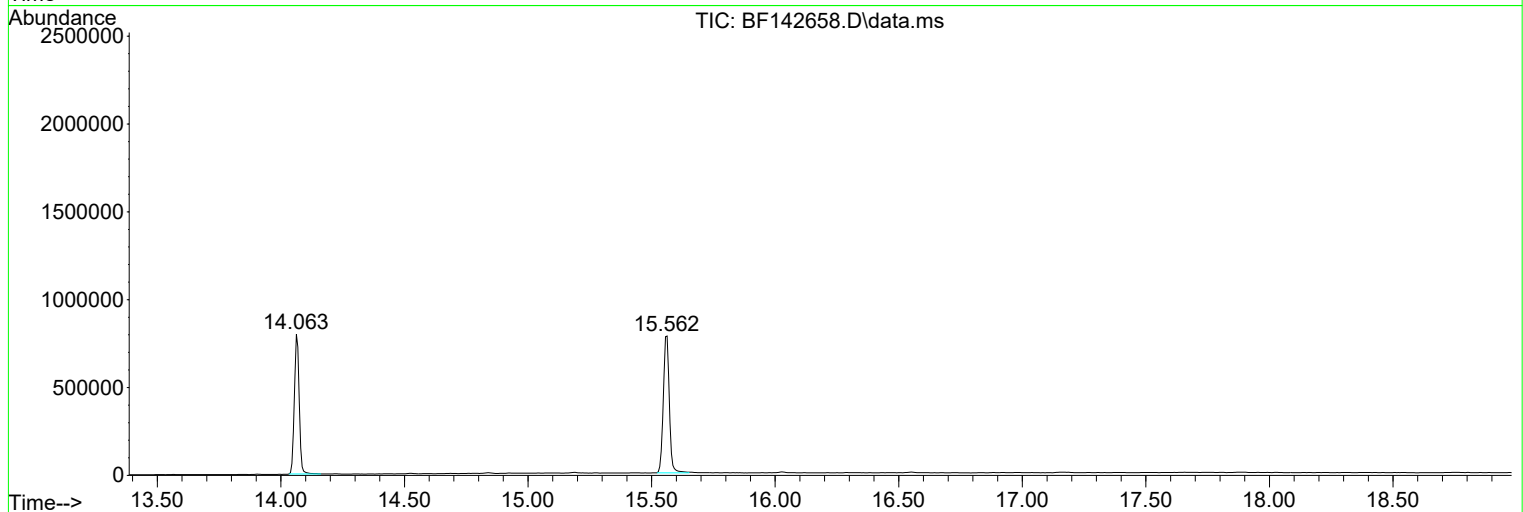
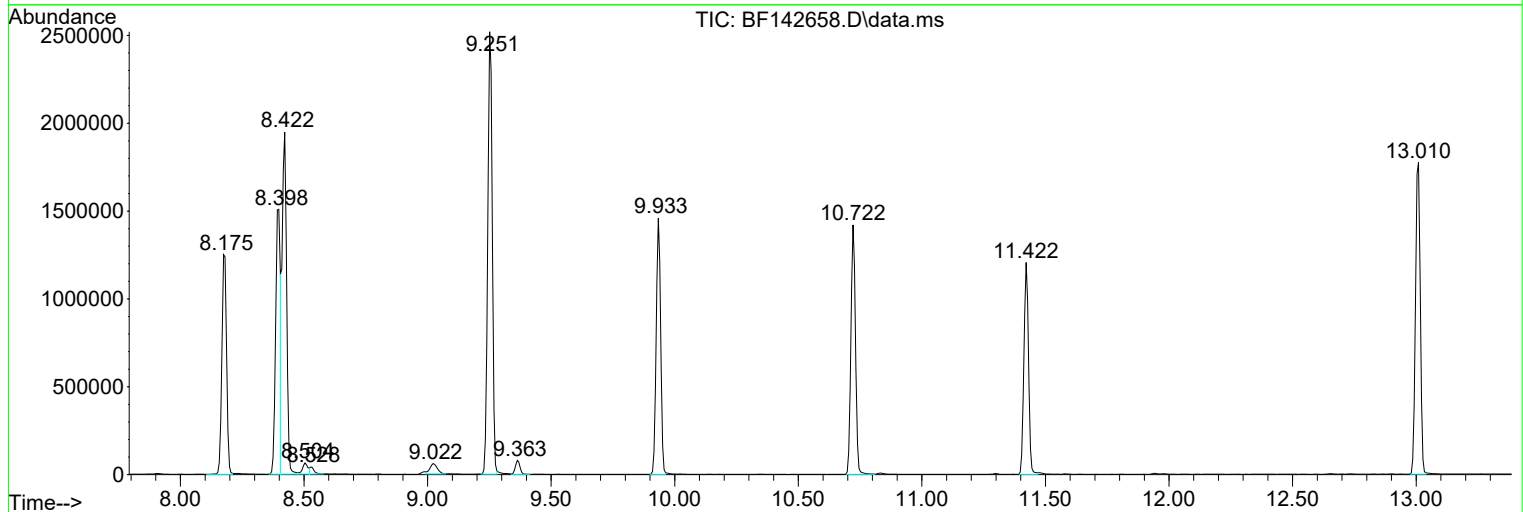
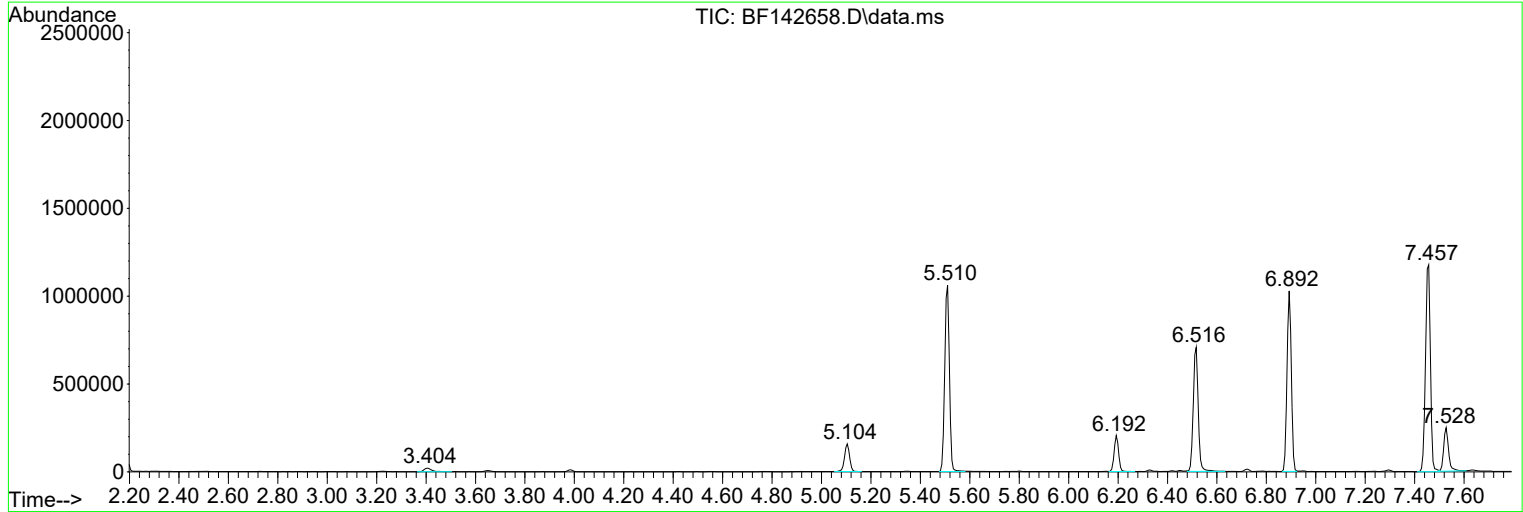
Sum of corrected areas: 25762321

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

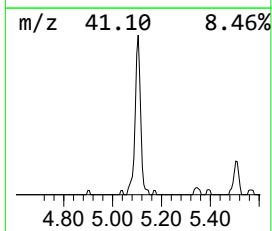
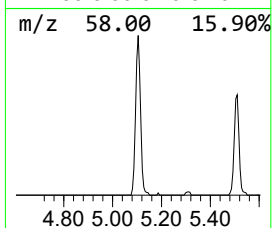
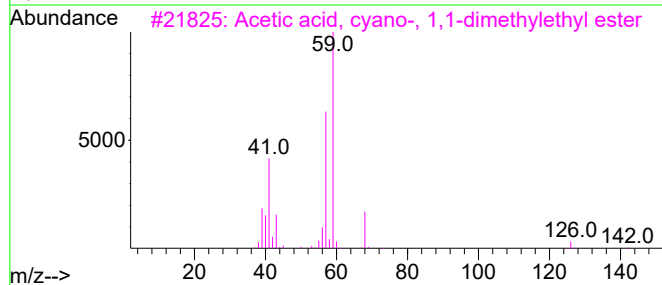
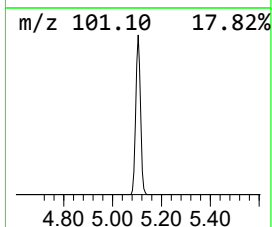
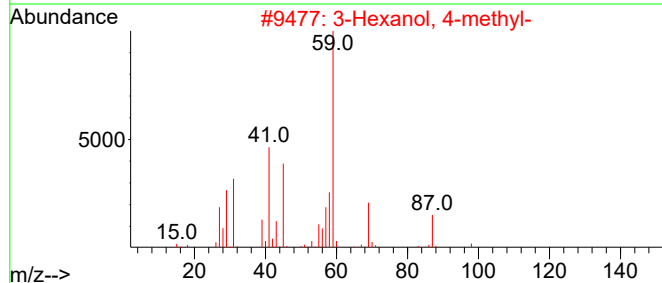
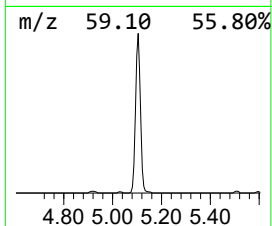
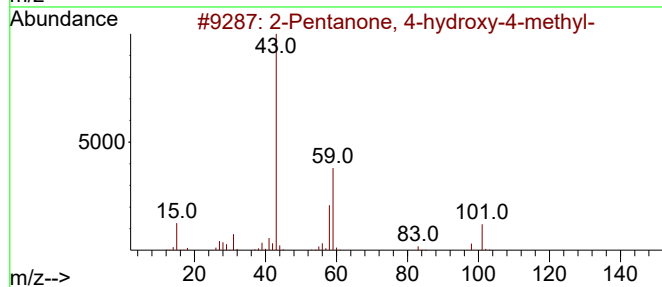
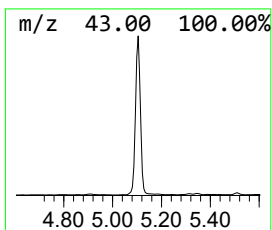
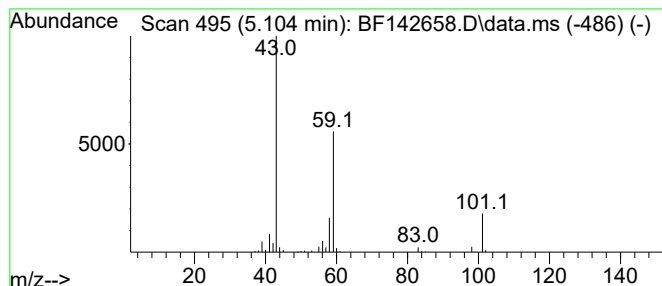
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	3.63 ng	228178	1,4-Dichlorobenzene-d4	6.892

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

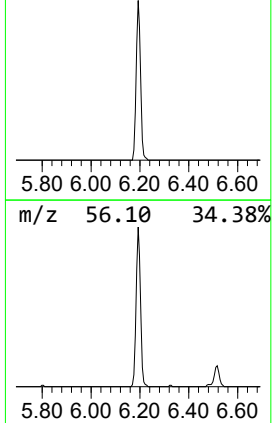
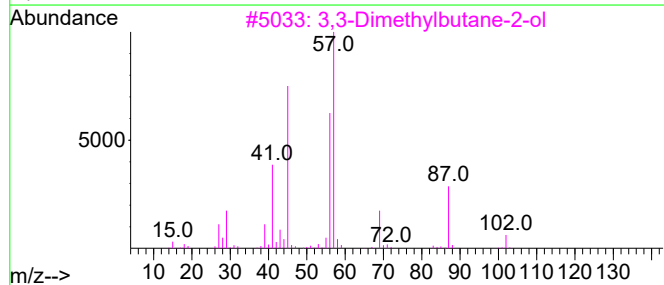
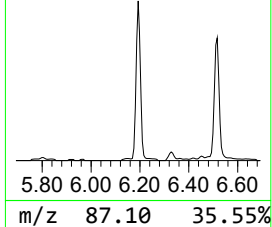
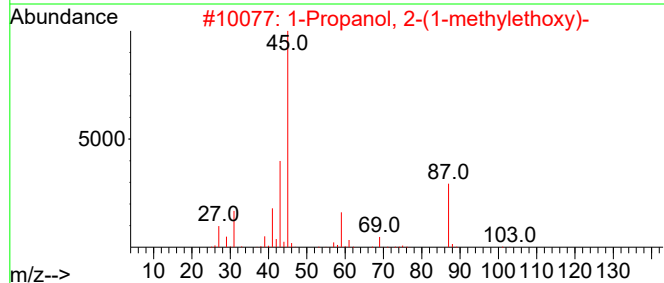
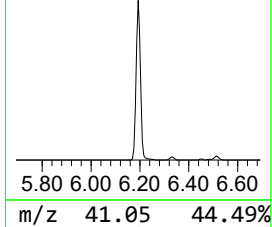
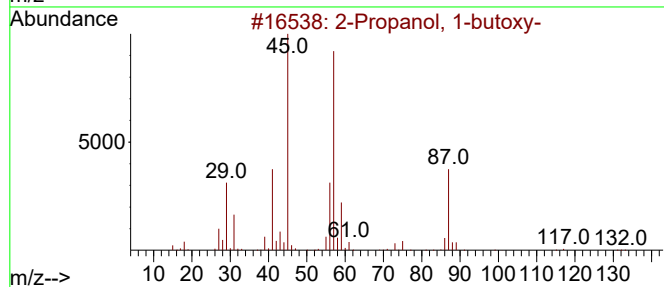
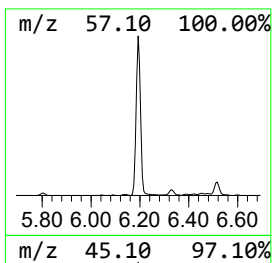
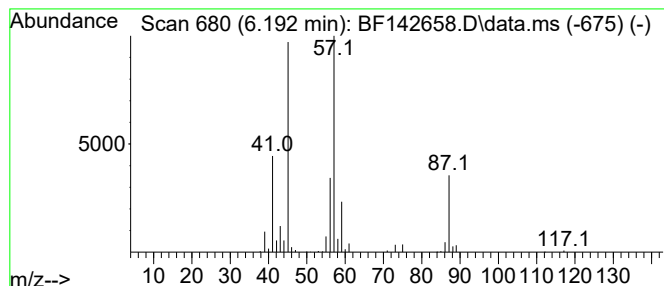
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Propanol, 1-butoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.192	4.09 ng	256927	1,4-Dichlorobenzene-d4	6.892

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	90
2		1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	53
3		3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	53
4		Formic acid, 1-methylpropyl ester	102	C5H10O2	000589-40-2	45
5		Butane, 1-(1-methylpropoxy)-	130	C8H18O	000999-65-5	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

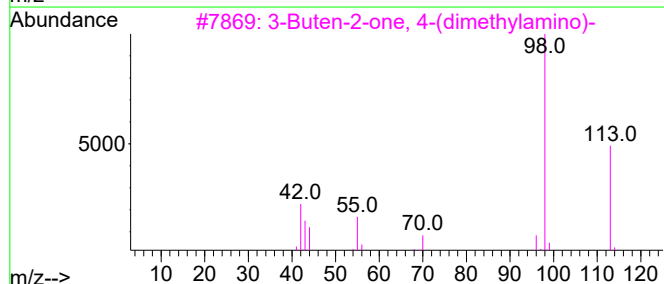
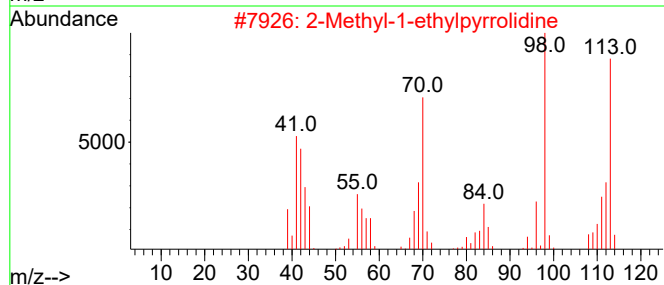
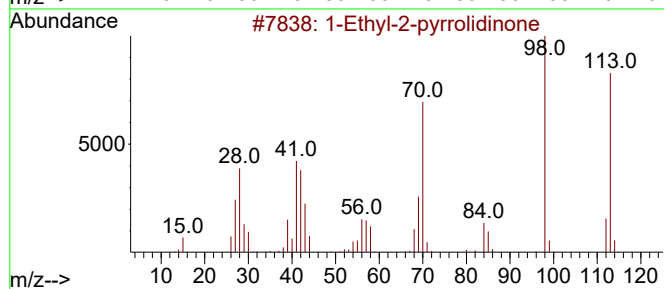
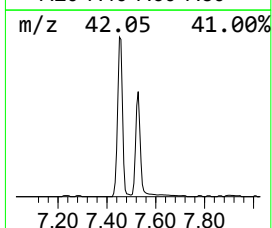
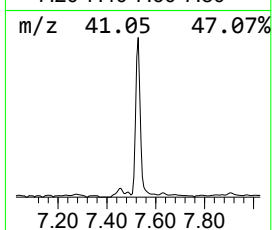
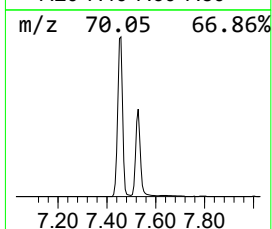
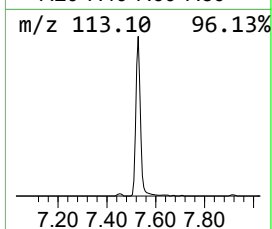
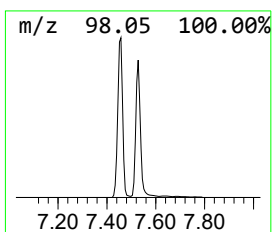
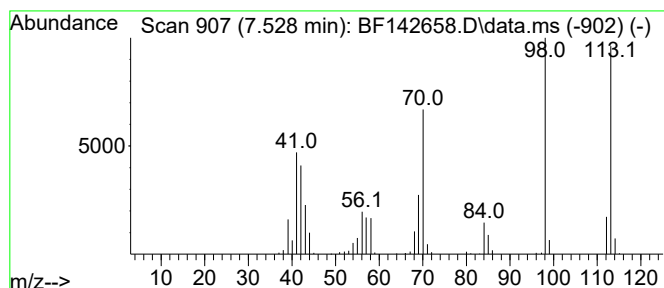
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 1-Ethyl-2-pyrrolidinone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.528	5.36 ng	337209	1,4-Dichlorobenzene-d4	6.892

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-2-pyrrolidinone	113	C6H11NO	002687-91-4	94
2		2-Methyl-1-ethylpyrrolidine	113	C7H15N	000765-79-7	86
3		3-Buten-2-one, 4-(dimethylamino)-	113	C6H11NO	001190-91-6	59
4		3-Penten-2-one, 4-(methylamino)-	113	C6H11NO	014092-14-9	50
5		Piperazine, 1-[(2,4-dichlorobenz...	286	C13H16Cl2N2O	1000137-95-1	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

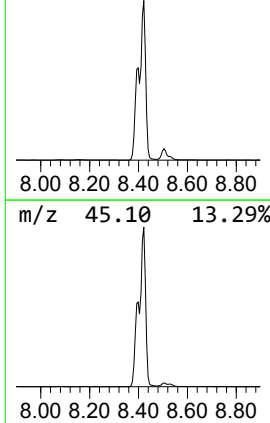
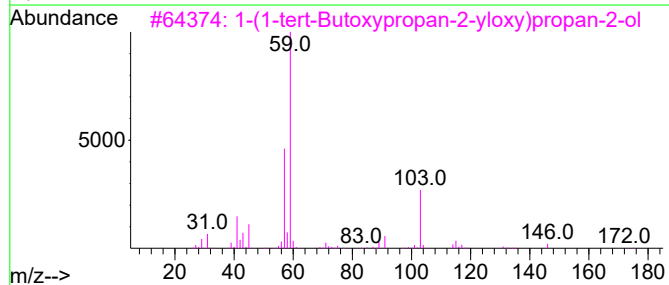
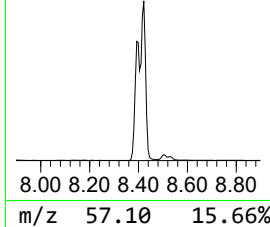
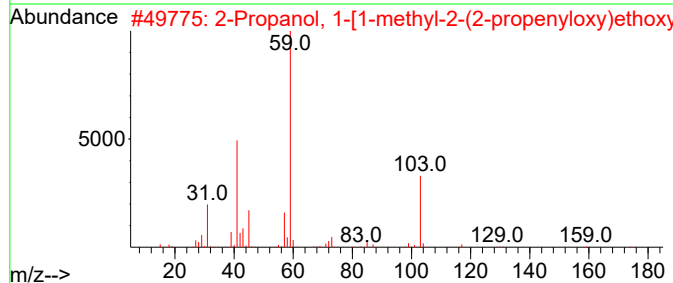
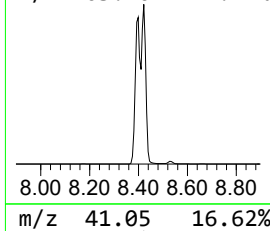
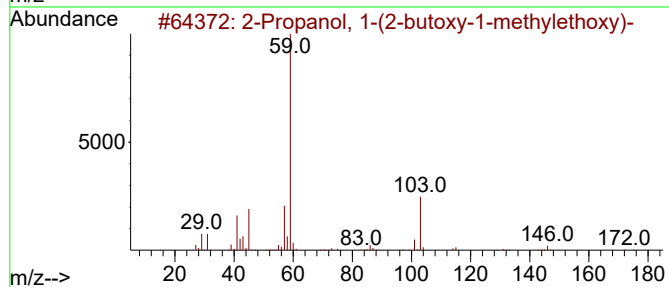
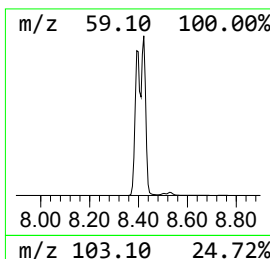
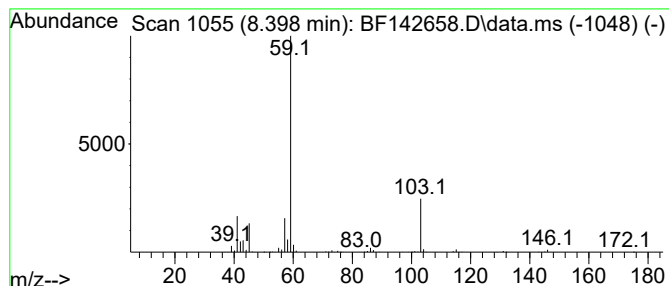
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 2-Propanol, 1-(2-butoxy-1-m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.398	23.86 ng	1977270	Naphthalene-d8	8.181

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Propanol, 1-(2-butoxy-1-methyl...	190	C10H22O3	029911-28-2	83
2			2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	74
3			1-(1-tert-Butoxypropan-2-yloxy)p...	190	C10H22O3	132739-31-2	72
4			1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	72
5			Dipropylene glycol (isomer 3)	134	C6H14O3	1000506-25-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

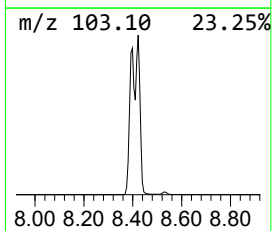
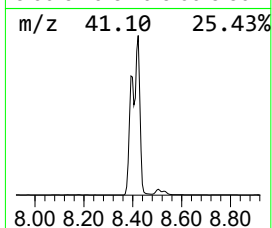
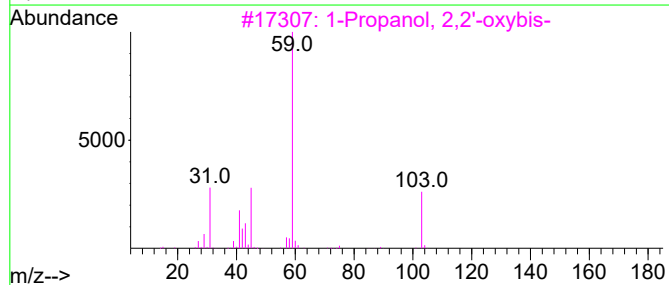
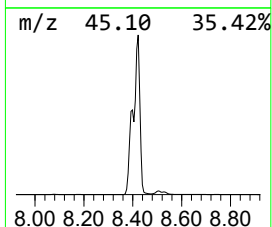
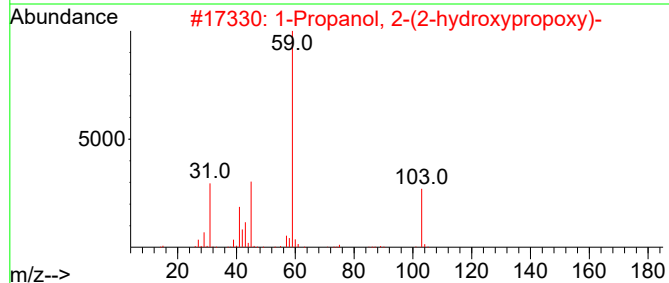
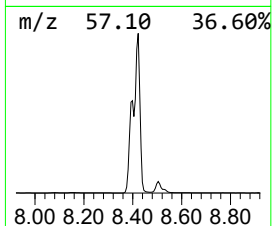
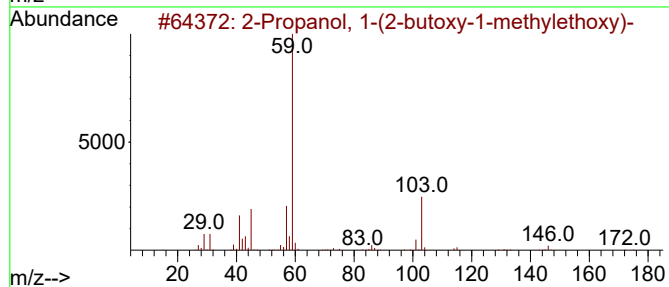
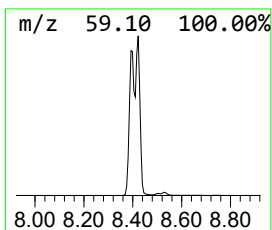
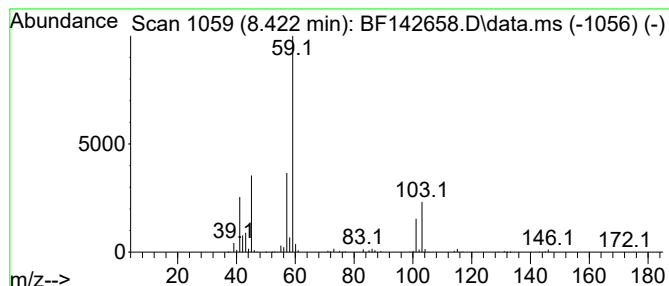
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1-Propanol, 2-(2-hydroxypro... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.422	29.80 ng	2469920	Naphthalene-d8	8.181

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-butoxy-1-methyl...	190	C10H22O3	029911-28-2	78		
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	72		
3	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	72		
4	Dipropylene glycol (isomer 3)	134	C6H14O3	1000506-25-5	64		
5	Dipropylene glycol (isomer 2)	134	C6H14O3	1000506-25-4	64		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142658.D
Acq On : 06 Jun 2025 21:02
Operator : RC/JU
Sample : Q2177-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB05312025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.104	3.6	ng	228178	1	6.892	1257510	20.0
2-Propanol, 1-b...	6.192	4.1	ng	256927	1	6.892	1257510	20.0
1-Ethyl-2-pyrro...	7.528	5.4	ng	337209	1	6.892	1257510	20.0
2-Propanol, 1-(...	8.398	23.9	ng	1977270	2	8.181	1657680	20.0
1-Propanol, 2-(...	8.422	29.8	ng	2469920	2	8.181	1657680	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142641.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : PB168259BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168259BL

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 06 12:59:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	125991	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	479451	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	262840	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	462327	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	248067	20.000	ng	0.00
86) Perylene-d12	15.562	264	250839	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	927476	124.022	ng	0.00
7) Phenol-d6	6.522	99	1134159	125.989	ng	-0.01
23) Nitrobenzene-d5	7.457	82	686957	78.129	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	369629	126.707	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1457548	74.411	ng	-0.02
79) Terphenyl-d14	13.010	244	1432929	78.937	ng	0.00

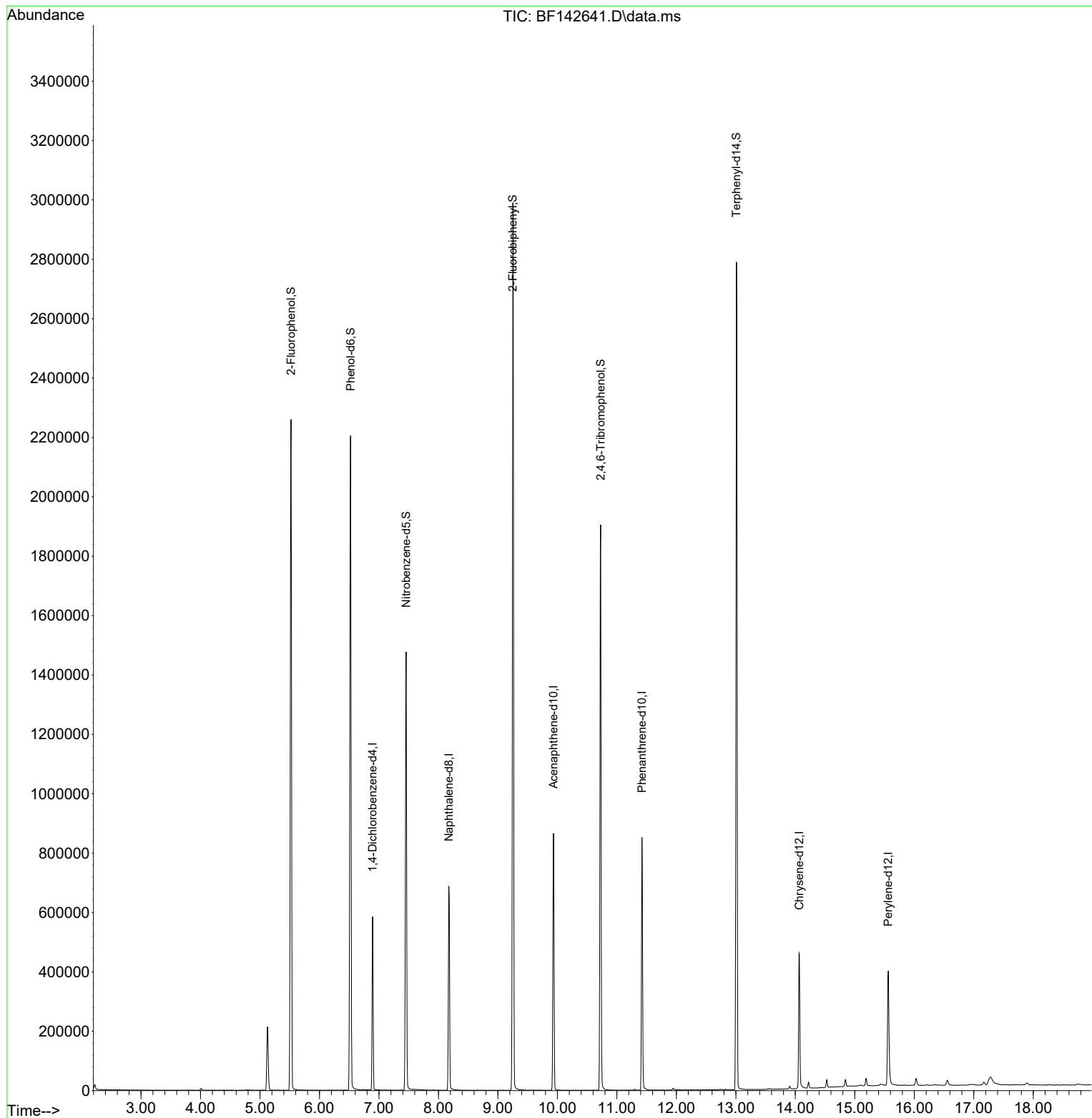
Target Compounds	Qvalue

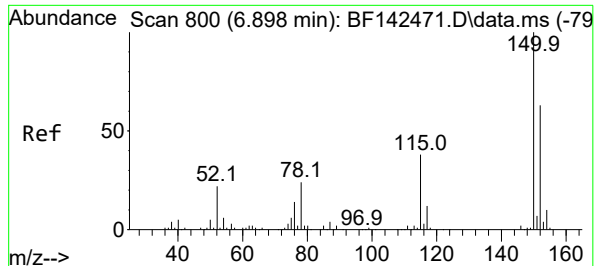
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142641.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : PB168259BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168259BL

Quant Time: Jun 06 12:59:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

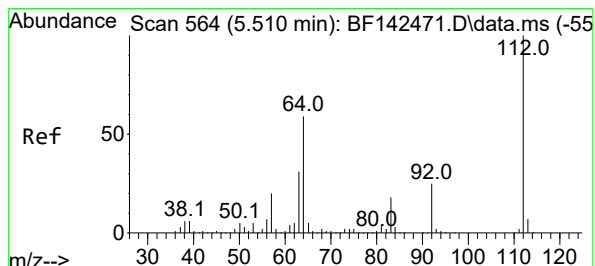
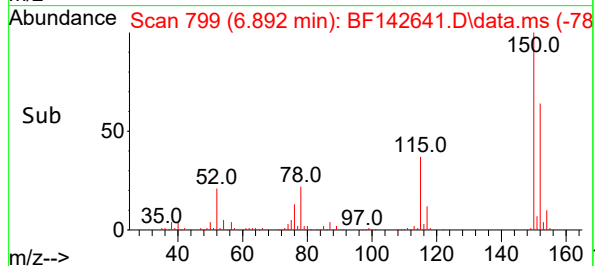
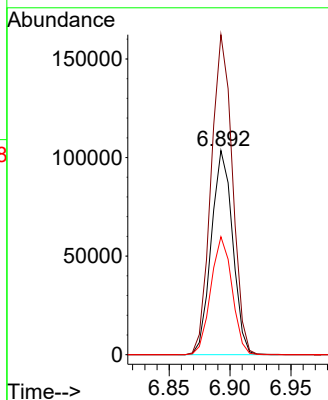
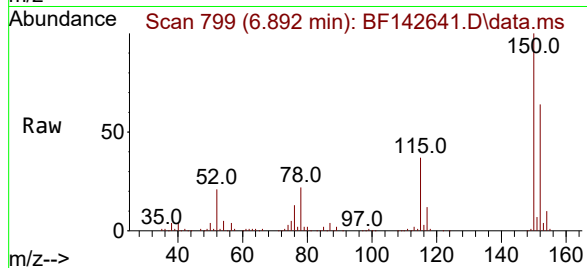




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

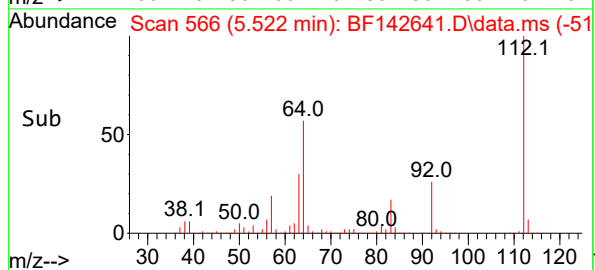
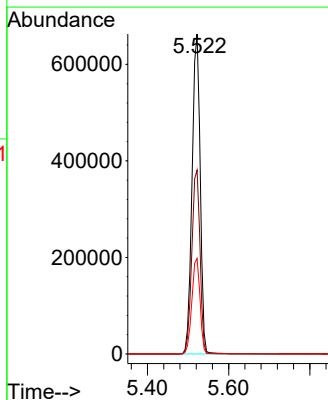
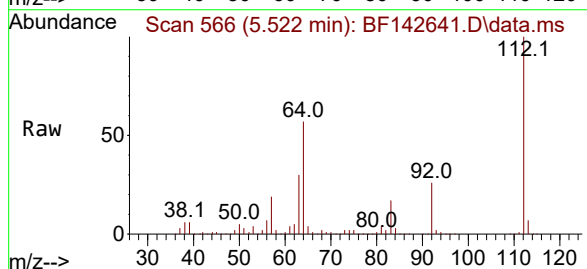
Instrument :
BNA_F
ClientSampleId :
PB168259BL

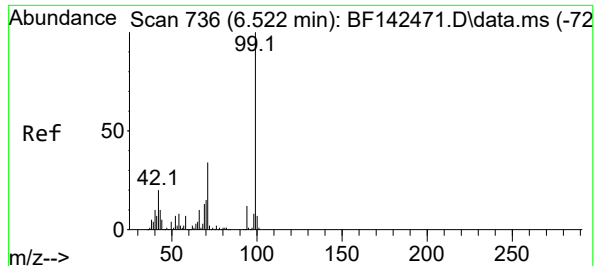
Tgt Ion:152 Resp: 125991
Ion Ratio Lower Upper
152 100
150 156.7 128.2 192.4
115 57.8 48.3 72.5



#5
2-Fluorophenol
Concen: 124.022 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

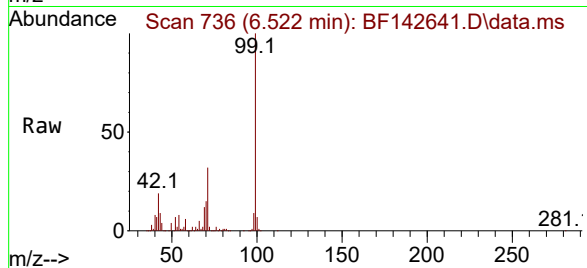
Tgt Ion:112 Resp: 927476
Ion Ratio Lower Upper
112 100
64 57.4 47.5 71.3
63 29.8 24.9 37.3



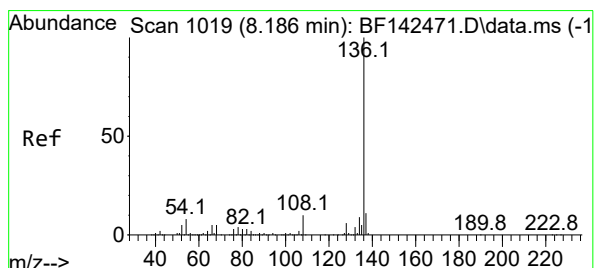
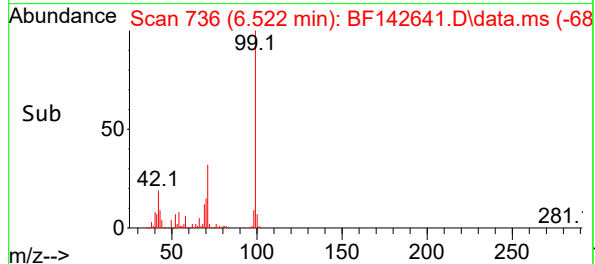
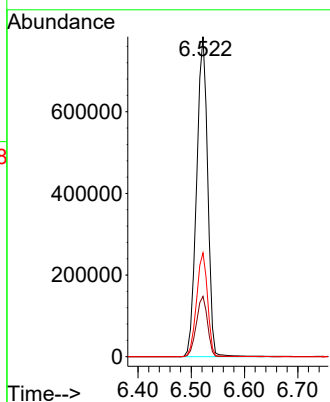


#7
Phenol-d6
Concen: 125.989 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Instrument :
BNA_F
ClientSampleId :
PB168259BL

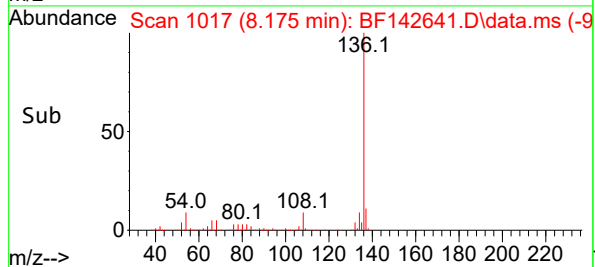
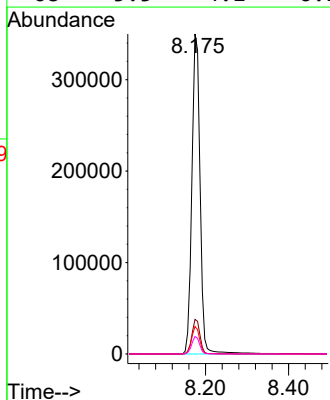
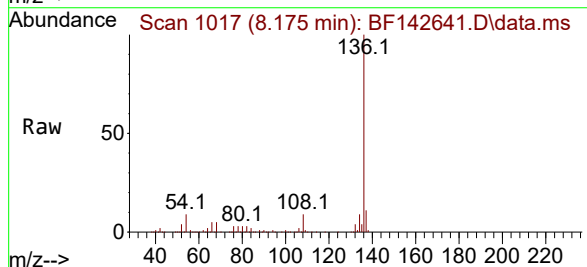


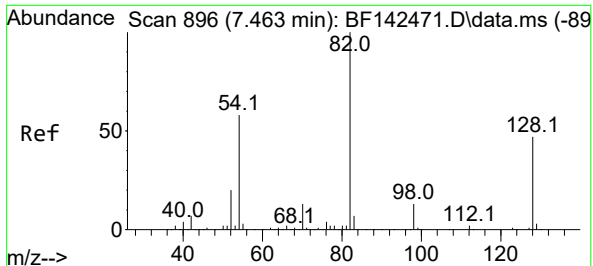
Tgt Ion: 99 Resp: 1134159
Ion Ratio Lower Upper
99 100
42 18.9 16.2 24.2
71 32.5 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142641.D
Acq: 06 Jun 2025 12:06

Tgt Ion: 136 Resp: 479451
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.6 6.6 10.0
68 5.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 78.129 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF142641.D

Acq: 06 Jun 2025 12:06

Instrument :

BNA_F

ClientSampleId :

PB168259BL

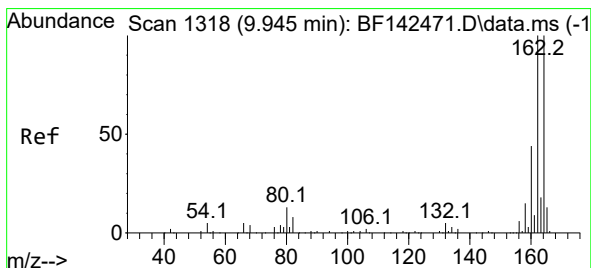
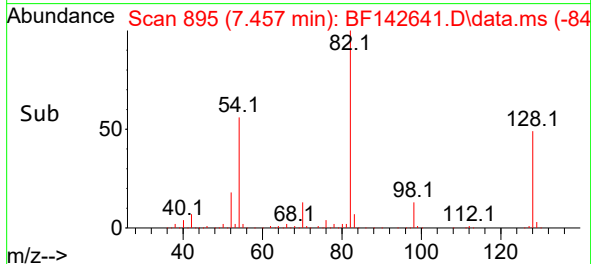
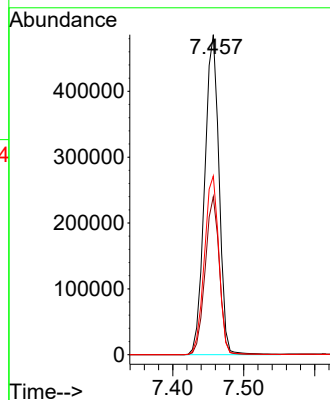
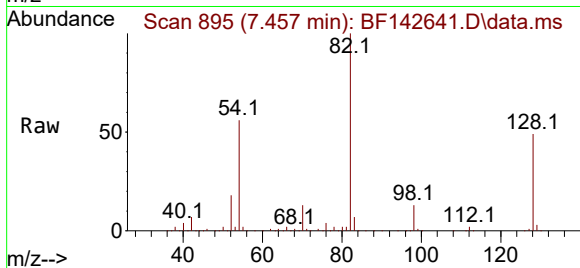
Tgt Ion: 82 Resp: 686957

Ion Ratio Lower Upper

82 100

128 49.4 37.4 56.2

54 55.9 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142641.D

Acq: 06 Jun 2025 12:06

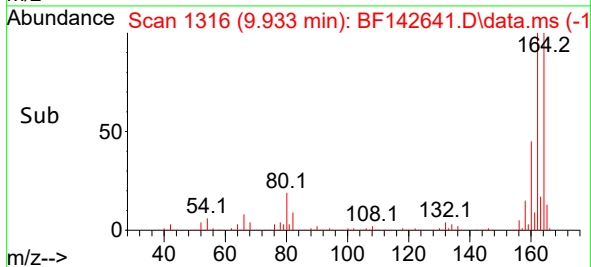
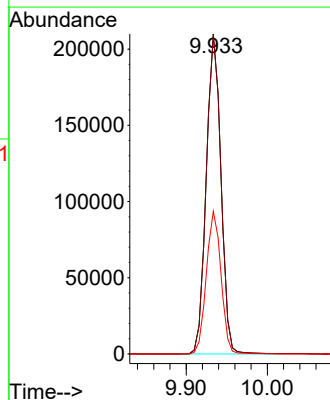
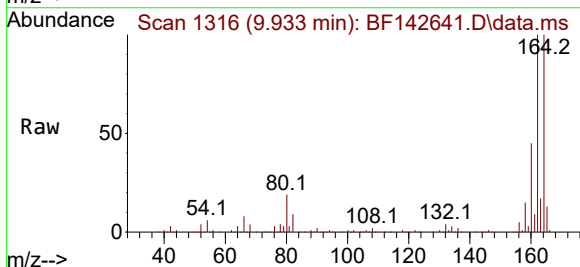
Tgt Ion:164 Resp: 262840

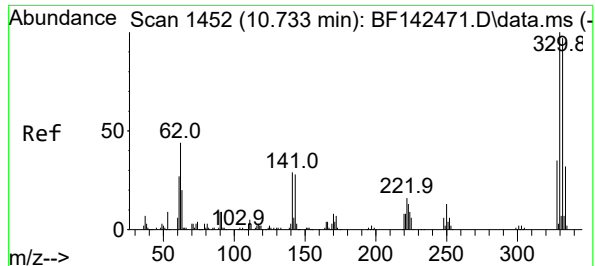
Ion Ratio Lower Upper

164 100

162 100.1 80.2 120.4

160 44.7 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 126.707 ng

RT: 10.727 min Scan# 1452

Delta R.T. -0.012 min

Lab File: BF142641.D

Acq: 06 Jun 2025 12:06

Instrument :

BNA_F

ClientSampleId :

PB168259BL

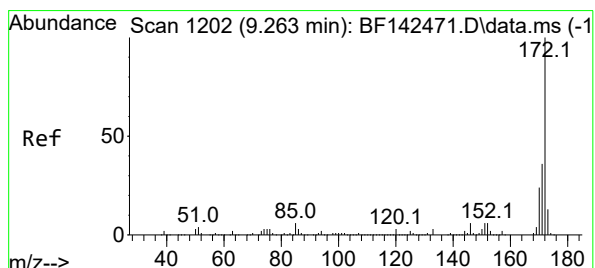
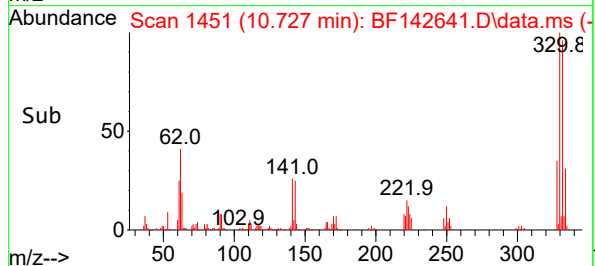
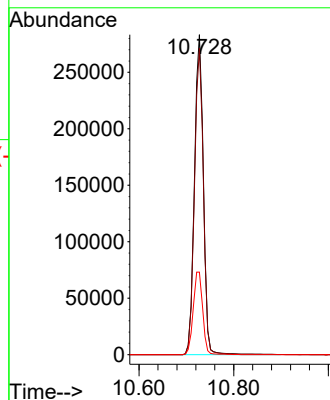
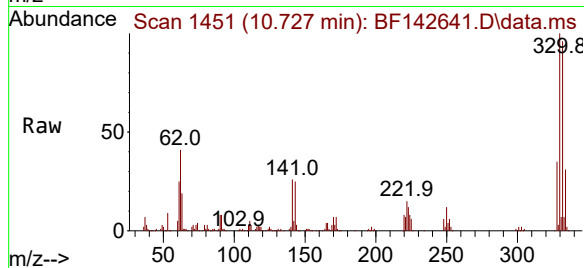
Tgt Ion:330 Resp: 369629

Ion Ratio Lower Upper

330 100

332 95.7 77.6 116.4

141 27.4 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 74.411 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF142641.D

Acq: 06 Jun 2025 12:06

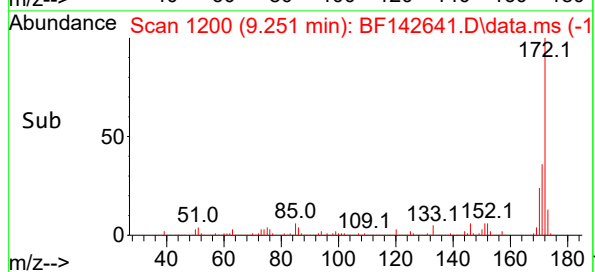
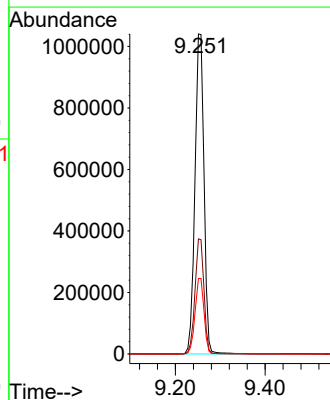
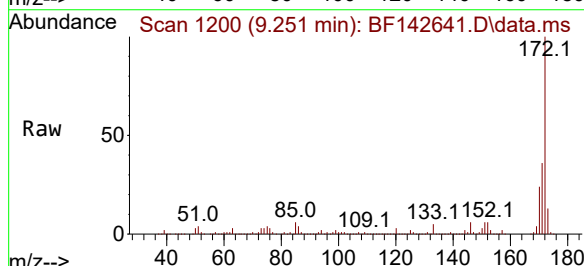
Tgt Ion:172 Resp: 1457548

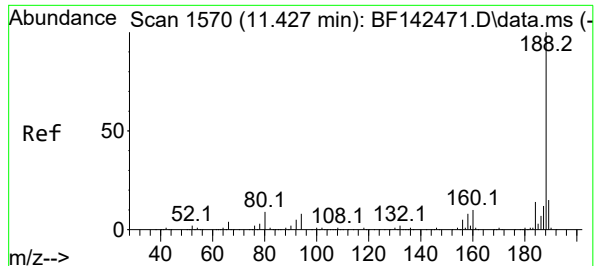
Ion Ratio Lower Upper

172 100

171 35.9 28.6 42.8

170 23.6 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142641.D

Acq: 06 Jun 2025 12:06

Instrument :

BNA_F

ClientSampleId :

PB168259BL

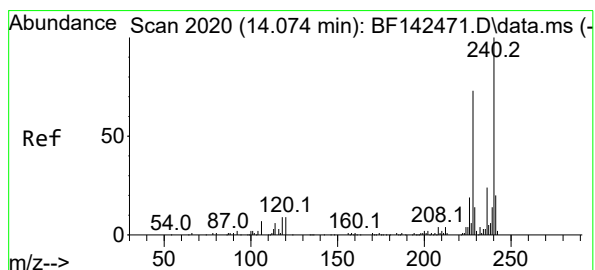
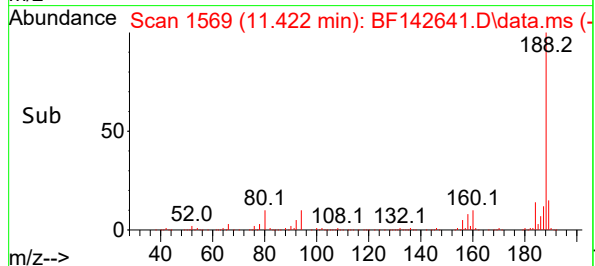
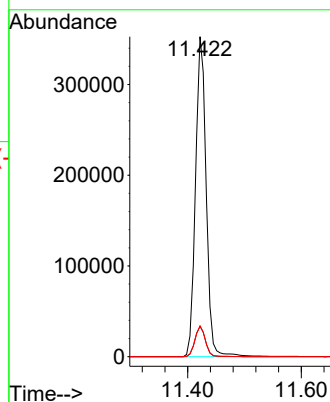
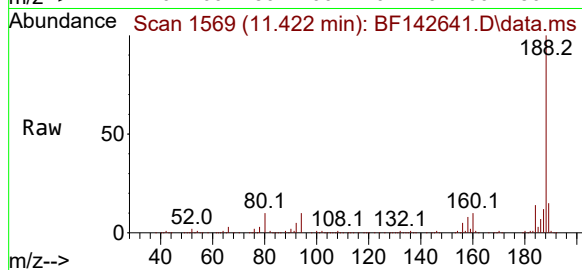
Tgt Ion:188 Resp: 462327

Ion Ratio Lower Upper

188 100

94 9.5 6.6 10.0

80 9.6 7.4 11.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF142641.D

Acq: 06 Jun 2025 12:06

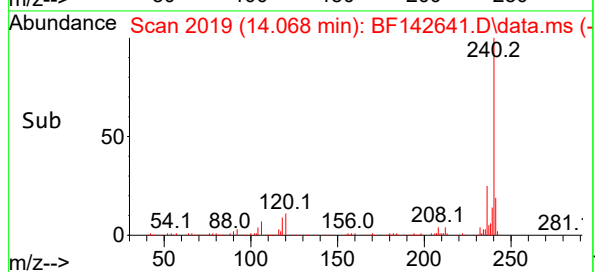
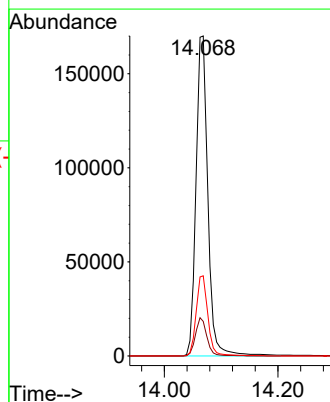
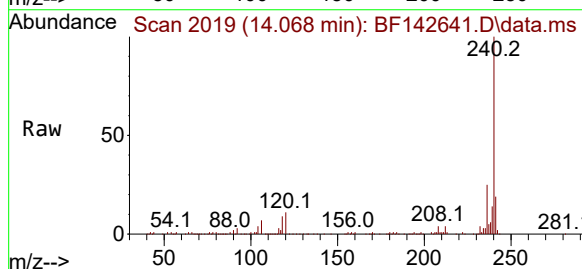
Tgt Ion:240 Resp: 248067

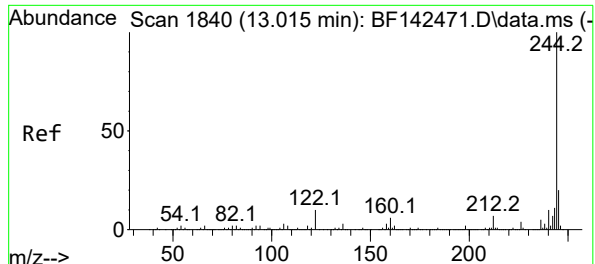
Ion Ratio Lower Upper

240 100

120 10.8 7.5 11.3

236 25.0 19.6 29.4





#79

Terphenyl-d14

Concen: 78.937 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142641.D

Acq: 06 Jun 2025 12:06

Instrument :

BNA_F

ClientSampleId :

PB168259BL

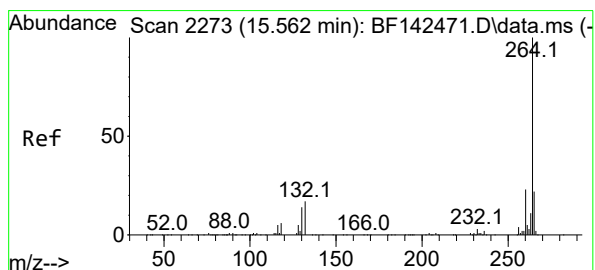
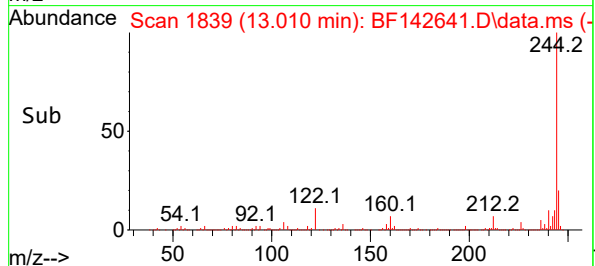
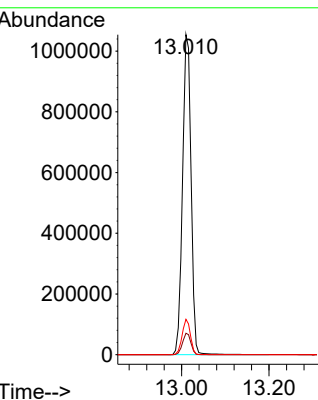
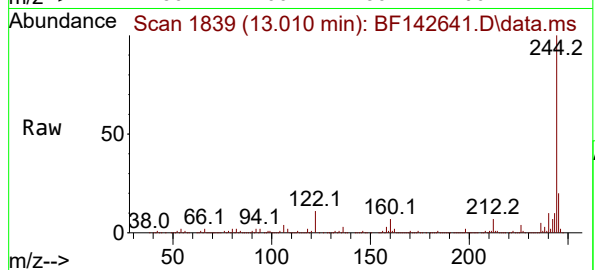
Tgt Ion:244 Resp: 1432929

Ion Ratio Lower Upper

244 100

212 6.7 5.3 7.9

122 11.1 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF142641.D

Acq: 06 Jun 2025 12:06

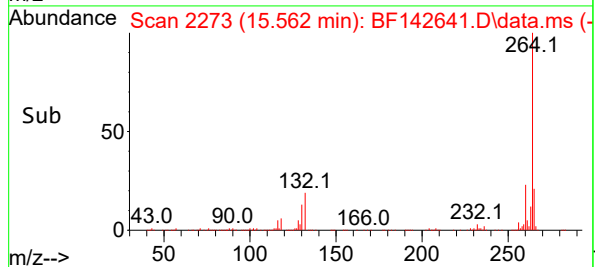
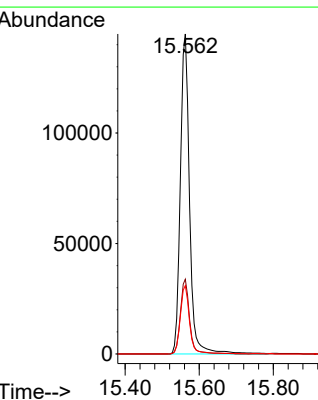
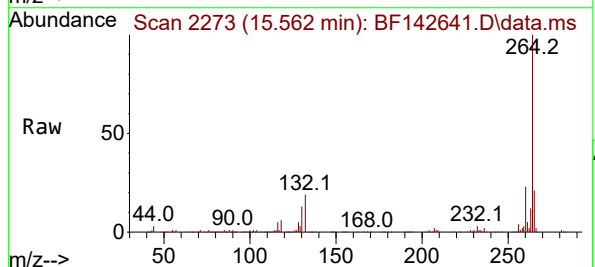
Tgt Ion:264 Resp: 250839

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.3 17.7 26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142641.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : PB168259BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168259BL

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_F\Methods\8270-BF052025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142641.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.128	492	499	513	rBV	212762	356201	8.71%	1.459%
2	5.522	559	566	571	rBV	2259297	3155875	77.17%	12.927%
3	6.522	729	736	741	rBV	2204511	3165286	77.40%	12.966%
4	6.892	794	799	804	rBV	583393	707450	17.30%	2.898%
5	7.457	888	895	900	rBV	1476665	2070019	50.62%	8.479%
6	8.175	1011	1017	1025	rBV	687405	916115	22.40%	3.753%
7	9.251	1194	1200	1206	rBV	2989585	4089634	100.00%	16.752%
8	9.933	1310	1316	1328	rBV	865161	1079678	26.40%	4.423%
9	10.728	1445	1451	1470	rBV	1904440	2572453	62.90%	10.538%
10	11.422	1564	1569	1577	rBV	850886	1094893	26.77%	4.485%
11	13.010	1833	1839	1845	rBV	2788055	3724936	91.08%	15.258%
12	14.063	2013	2018	2035	rVB	453758	651967	15.94%	2.671%
13	15.562	2266	2273	2292	rBV	384811	685331	16.76%	2.807%
14	16.033	2347	2353	2364	rVB	23181	44562	1.09%	0.183%
15	17.280	2556	2565	2581	rBV2	22524	97910	2.39%	0.401%

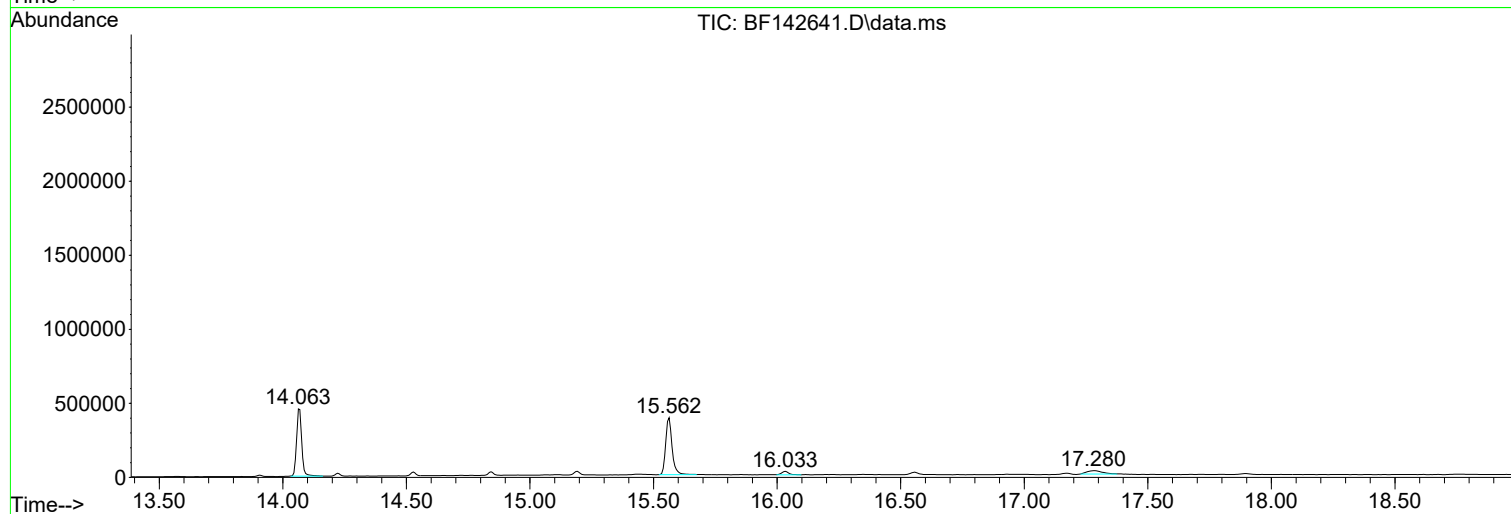
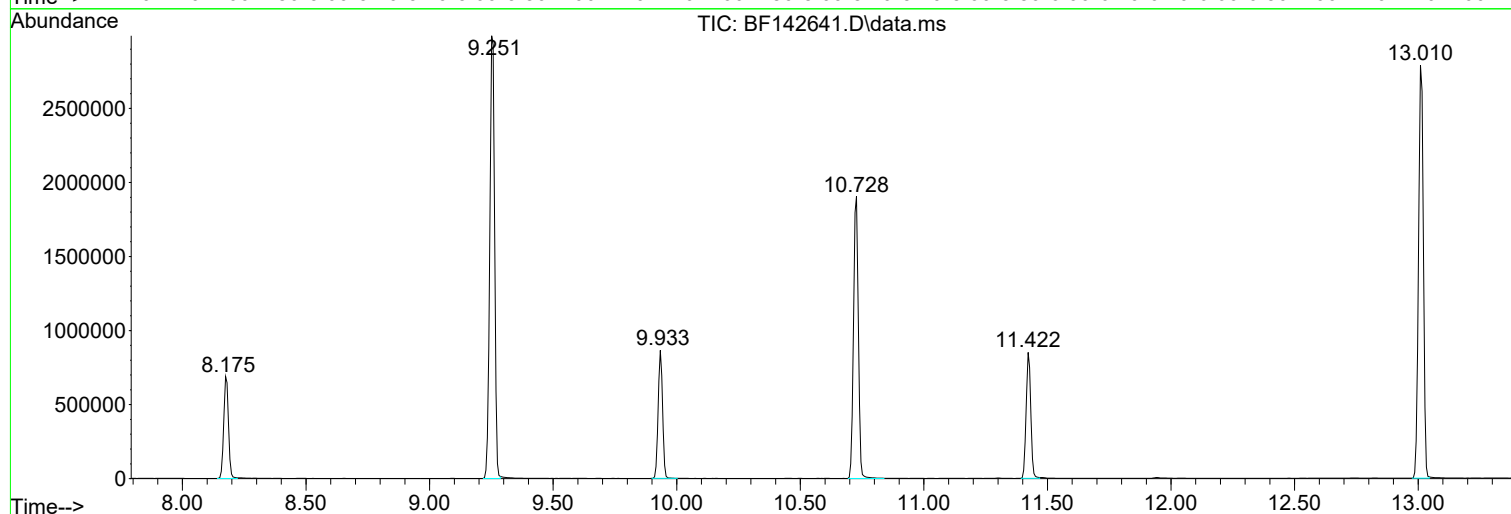
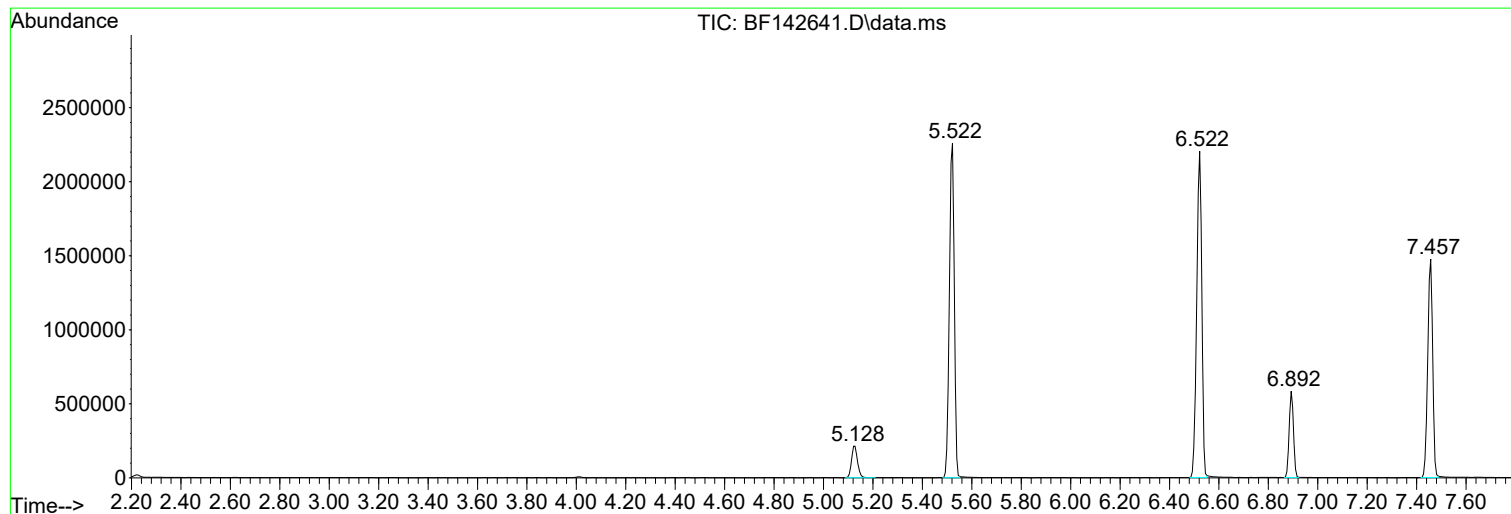
Sum of corrected areas: 24412310

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142641.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : PB168259BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168259BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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_F\Data\BF060625\
Data File : BF142641.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : PB168259BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

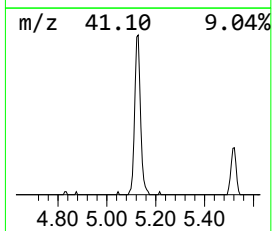
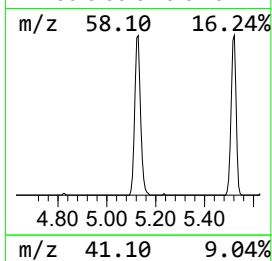
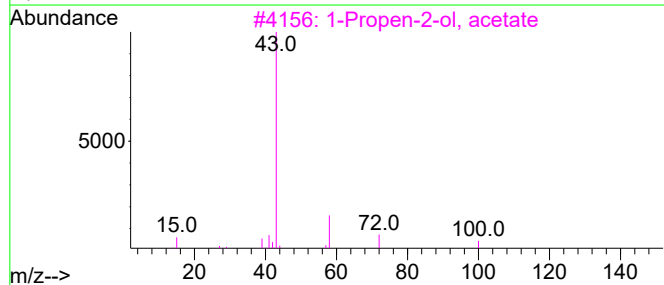
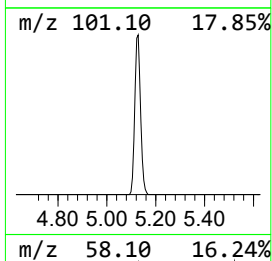
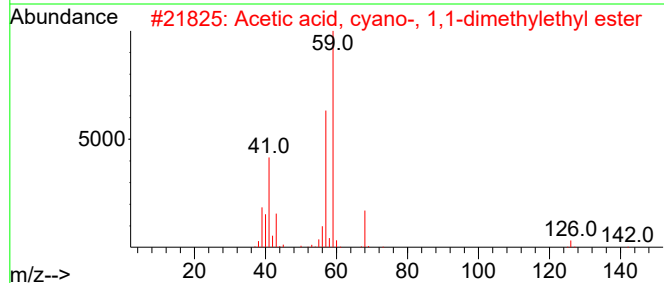
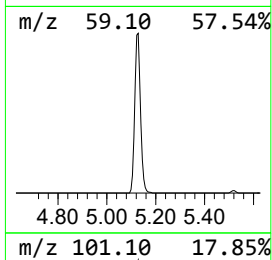
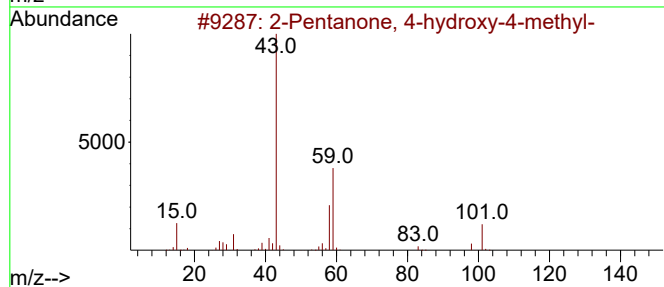
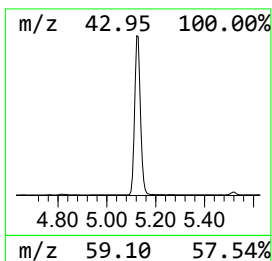
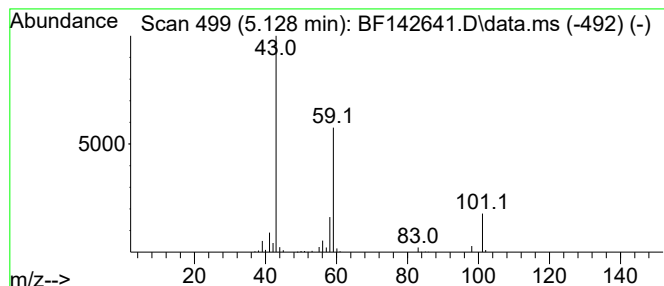
Instrument :
BNA_F
ClientSampleId :
PB168259BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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.	
5.128	10.07 ng	356201	1,4-Dichlorobenzene-d4	6.892	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142641.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : PB168259BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168259BL

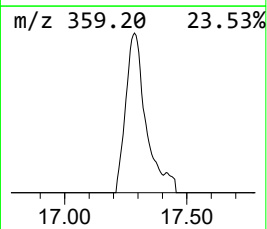
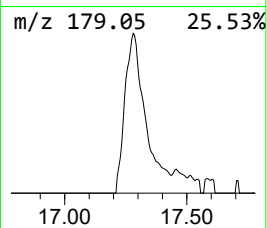
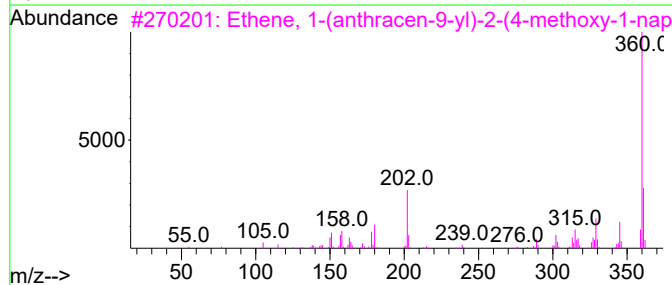
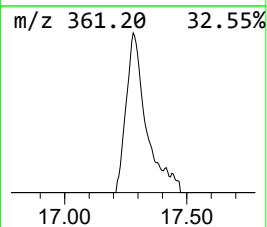
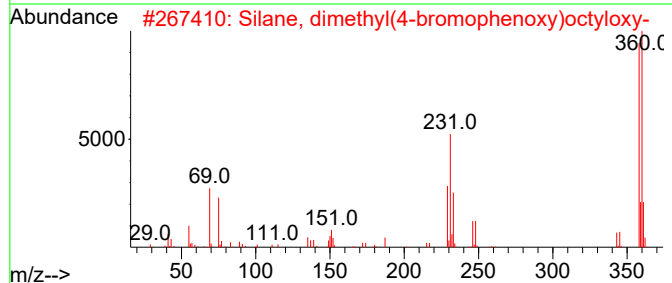
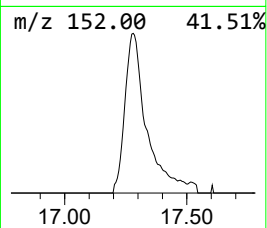
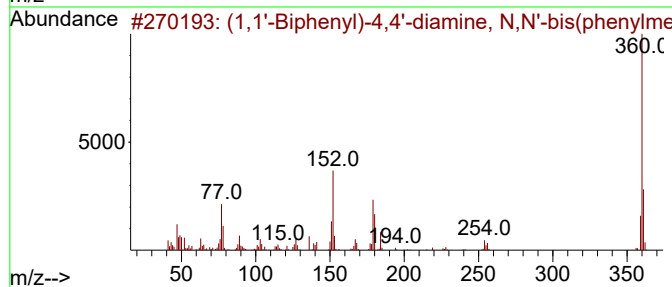
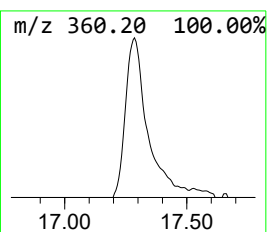
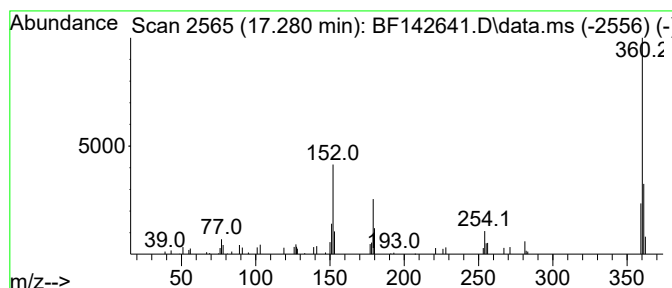
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.280	2.86 ng	97910	Perylene-d12	15.563

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	93
2			Silane, dimethyl(4-bromophenoxy)...	358	C16H27BrO2Si	1000347-11-2	47
3			Ethene, 1-(anthracen-9-yl)-2-(4-...	360	C27H20O	1000163-55-1	43
4			N,N'-di-2-Naphthyl-p-phenylenedi...	360	C26H20N2	000093-46-9	43
5			1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142641.D
Acq On : 06 Jun 2025 12:06
Operator : RC/JU
Sample : PB168259BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168259BL

A
B
C
D
E
F
G
H
I
J
K

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.128	10.1	ng	356201	1	6.892	707450	20.0
(1,1'-Biphenyl)...	17.280	2.9	ng	97910	6	15.563	685331	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142626.D
Acq On : 05 Jun 2025 11:04
Operator : RC/JU
Sample : PB168285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168285BL

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 05 11:35:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	122182	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	466755	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	253840	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	433273	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	225137	20.000	ng	0.00
86) Perylene-d12	15.562	264	234045	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	907955	125.197	ng	0.00
7) Phenol-d6	6.522	99	1081644	123.901	ng	-0.01
23) Nitrobenzene-d5	7.457	82	672397	78.553	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	344627	122.325	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1422364	75.190	ng	-0.01
79) Terphenyl-d14	13.010	244	1286910	78.113	ng	0.00

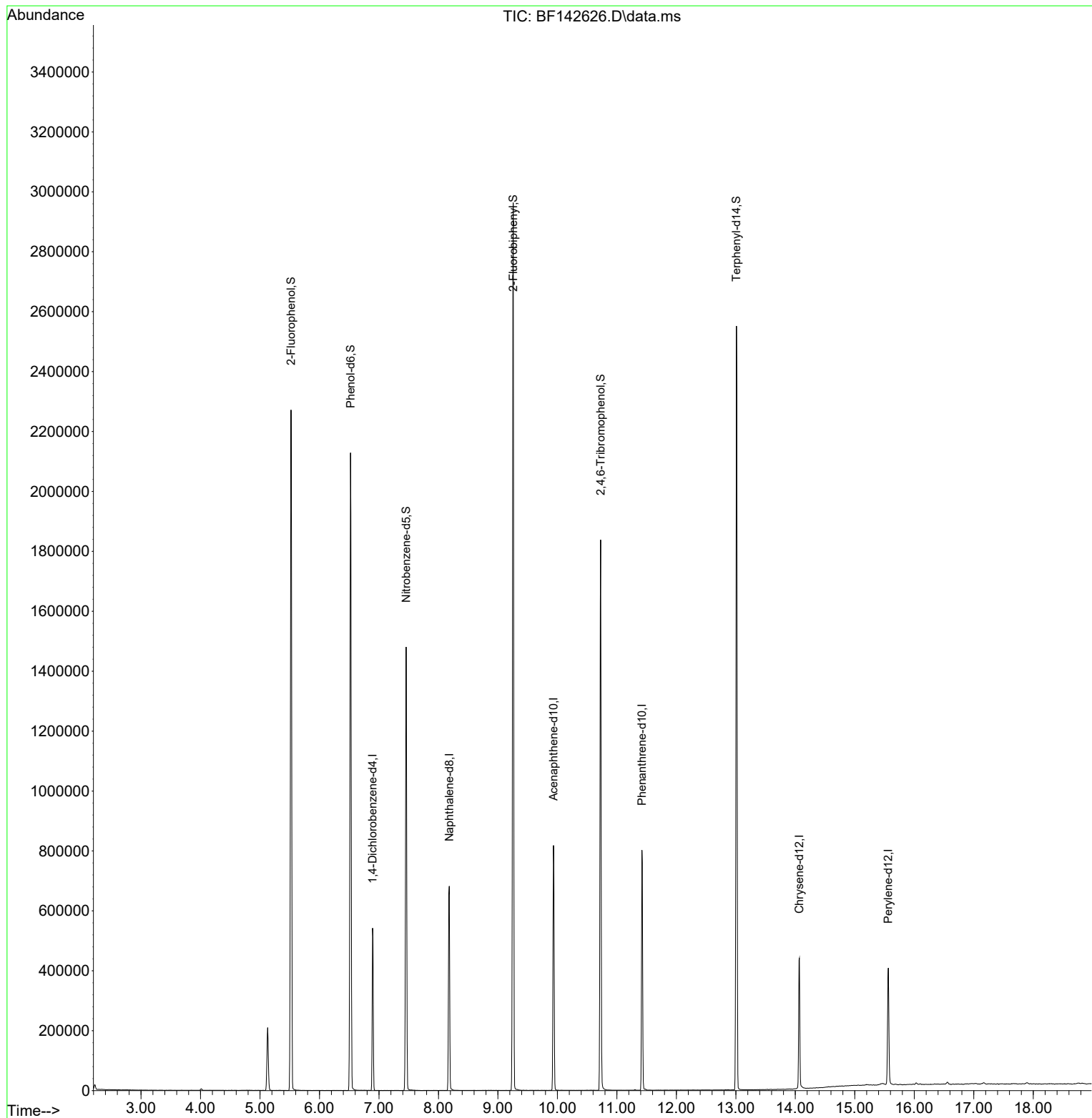
Target Compounds	Qvalue

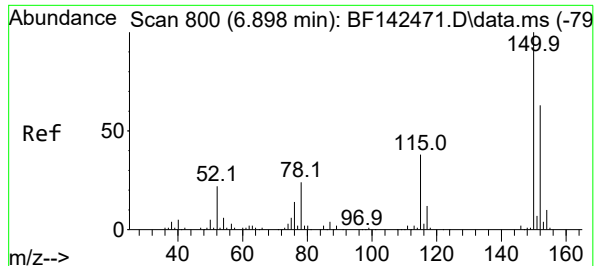
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142626.D
Acq On : 05 Jun 2025 11:04
Operator : RC/JU
Sample : PB168285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168285BL

Quant Time: Jun 05 11:35:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

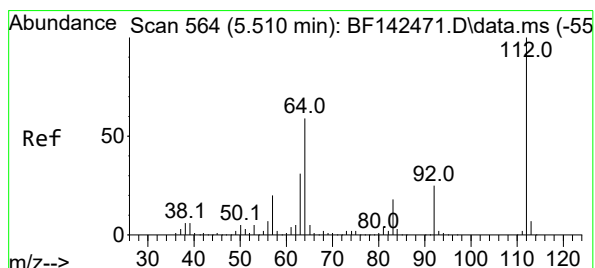
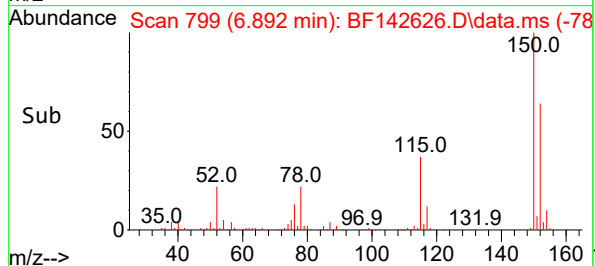
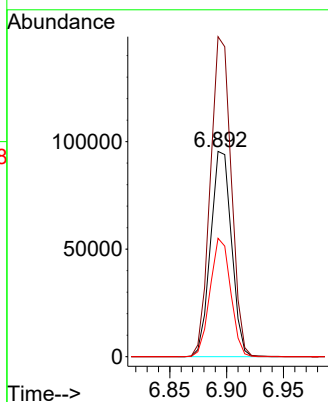
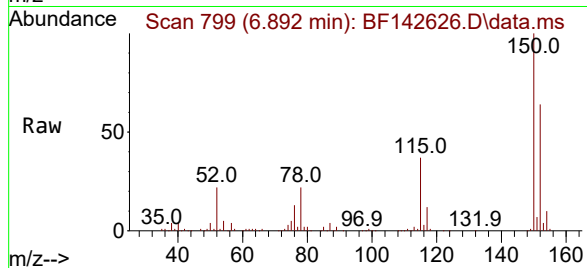




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

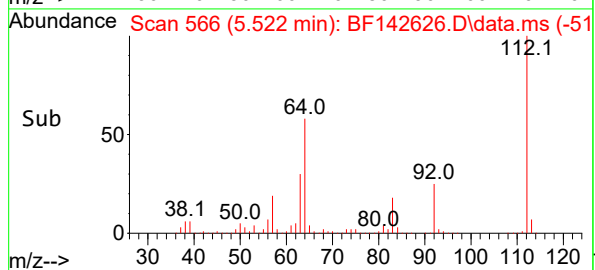
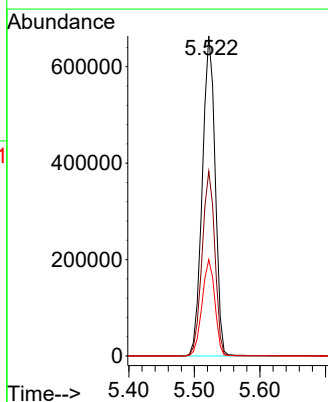
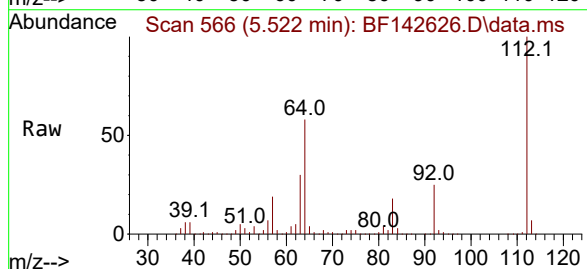
Instrument :
BNA_F
ClientSampleId :
PB168285BL

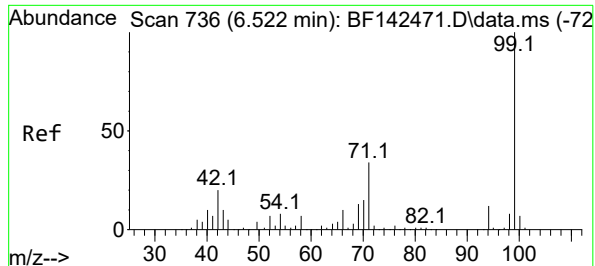
Tgt Ion:152 Resp: 122182
Ion Ratio Lower Upper
152 100
150 155.9 128.2 192.4
115 57.7 48.3 72.5



#5
2-Fluorophenol
Concen: 125.197 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

Tgt Ion:112 Resp: 907955
Ion Ratio Lower Upper
112 100
64 57.7 47.5 71.3
63 30.1 24.9 37.3

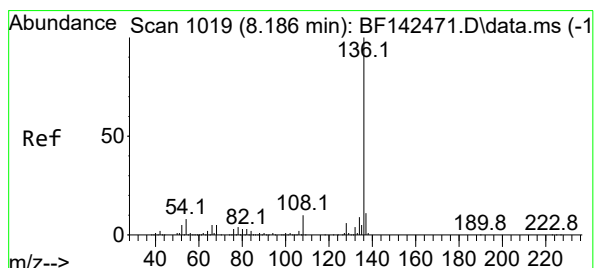
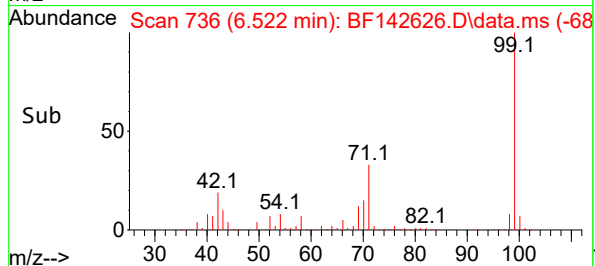
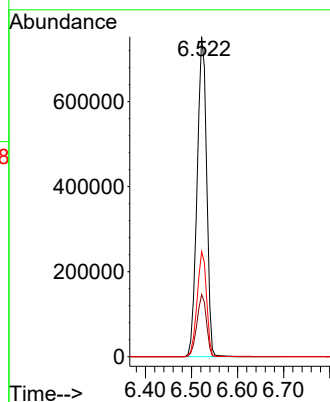
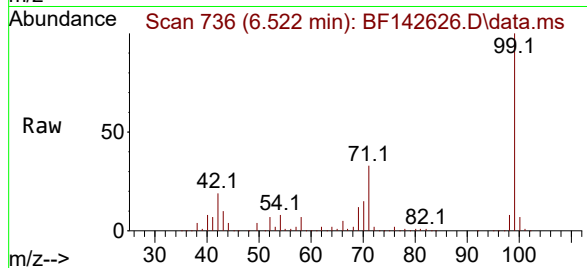




#7
Phenol-d6
Concen: 123.901 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

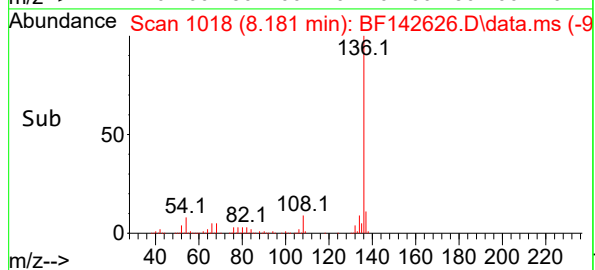
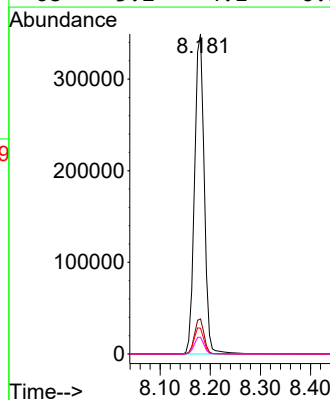
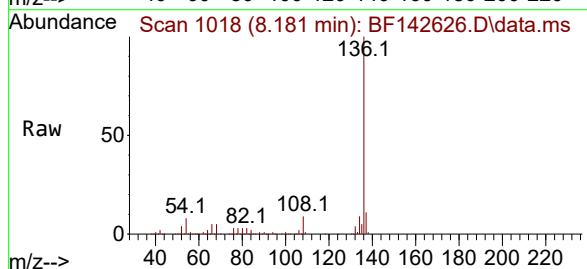
Instrument :
BNA_F
ClientSampleId :
PB168285BL

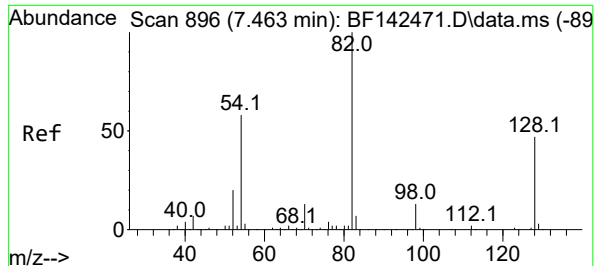
Tgt Ion: 99 Resp: 1081644
Ion Ratio Lower Upper
99 100
42 19.4 16.2 24.2
71 32.9 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

Tgt Ion: 136 Resp: 466755
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.1 6.6 10.0
68 5.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 78.553 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF142626.D

Acq: 05 Jun 2025 11:04

Instrument :

BNA_F

ClientSampleId :

PB168285BL

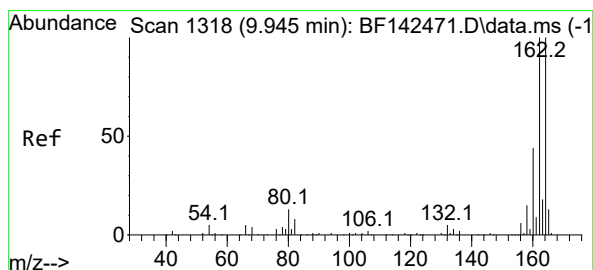
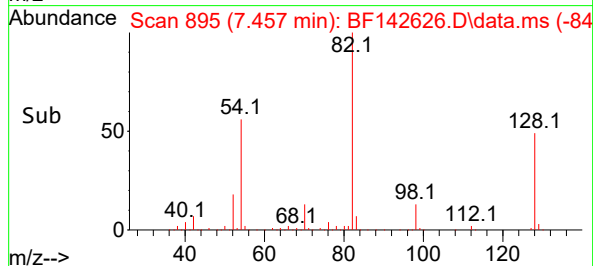
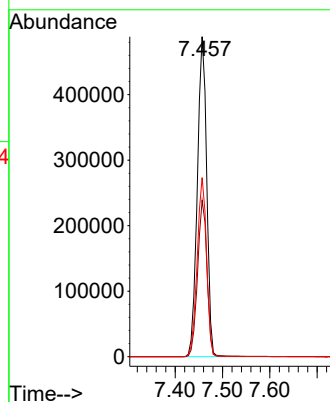
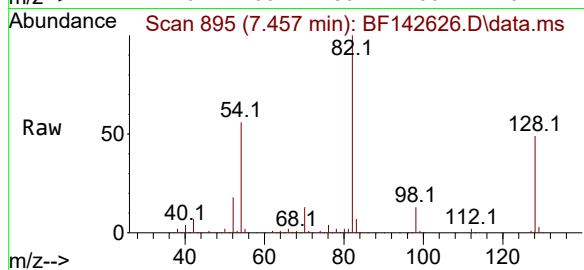
Tgt Ion: 82 Resp: 672397

Ion Ratio Lower Upper

82 100

128 48.9 37.4 56.2

54 55.9 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142626.D

Acq: 05 Jun 2025 11:04

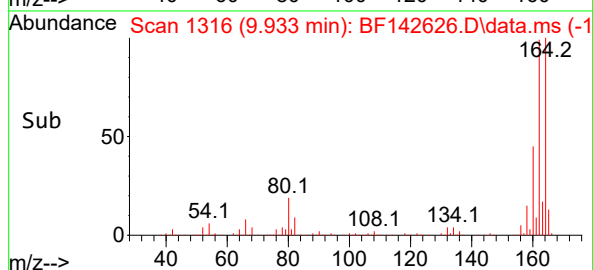
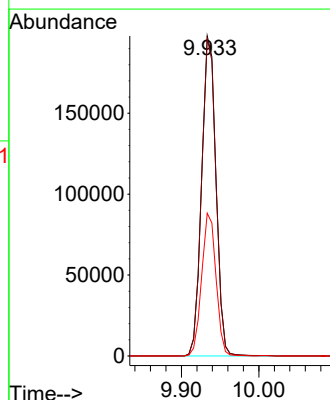
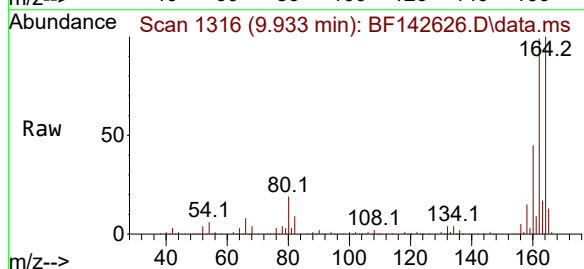
Tgt Ion: 164 Resp: 253840

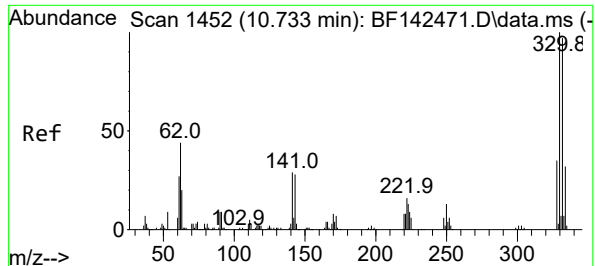
Ion Ratio Lower Upper

164 100

162 99.2 80.2 120.4

160 44.6 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 122.325 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142626.D

Acq: 05 Jun 2025 11:04

Instrument :

BNA_F

ClientSampleId :

PB168285BL

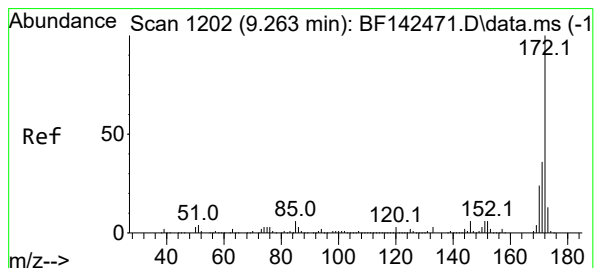
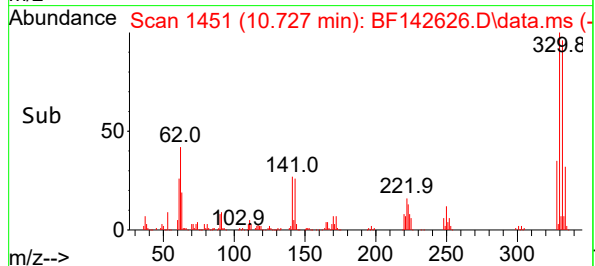
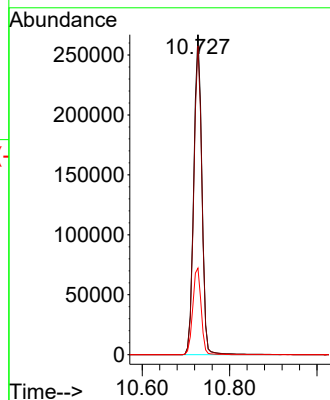
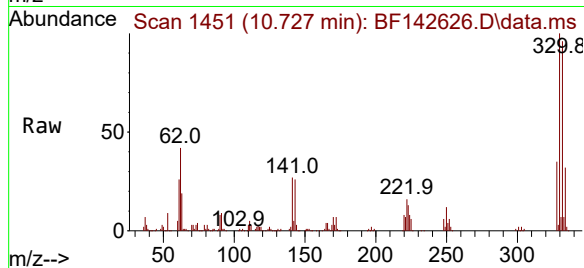
Tgt Ion:330 Resp: 344627

Ion Ratio Lower Upper

330 100

332 96.1 77.6 116.4

141 27.9 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 75.190 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142626.D

Acq: 05 Jun 2025 11:04

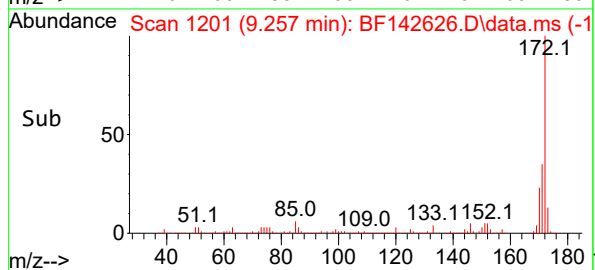
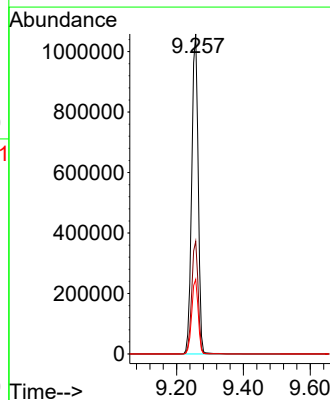
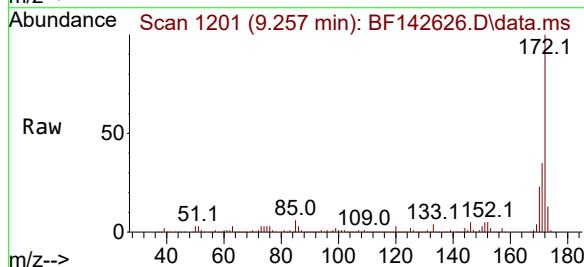
Tgt Ion:172 Resp: 1422364

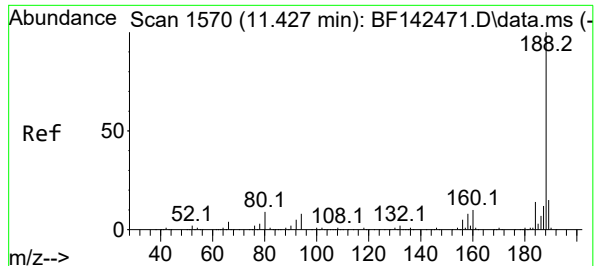
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.3 18.9 28.3

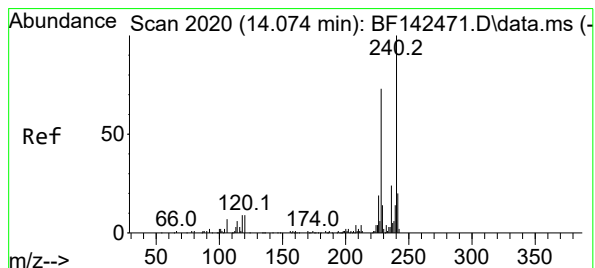
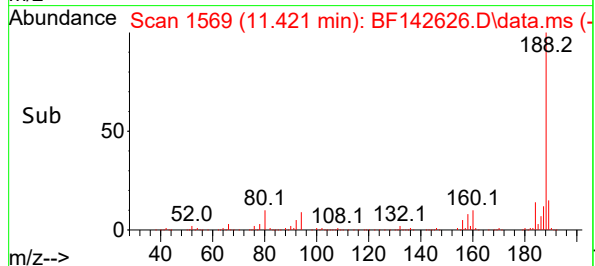
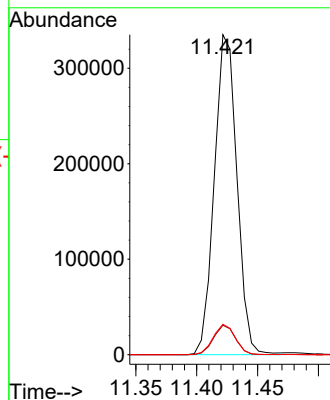
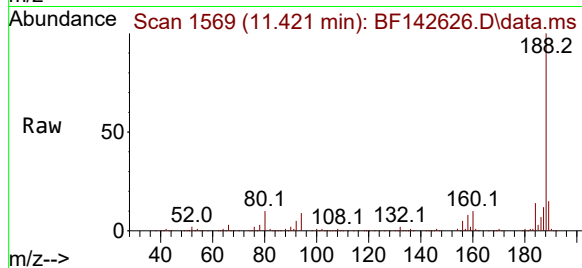




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

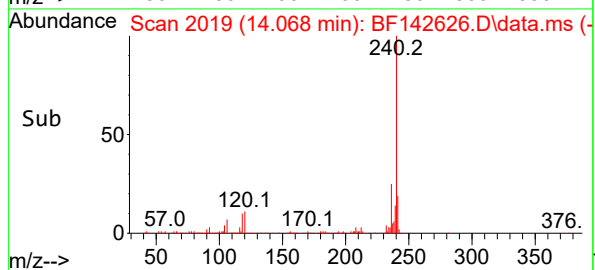
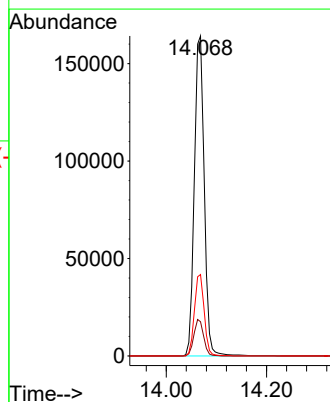
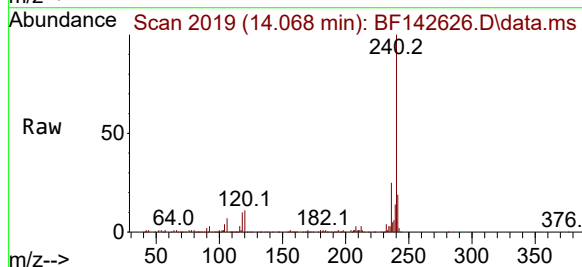
Instrument :
BNA_F
ClientSampleId :
PB168285BL

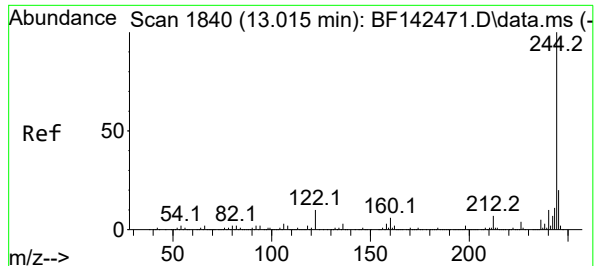
Tgt Ion:188 Resp: 433273
Ion Ratio Lower Upper
188 100
94 9.2 6.6 10.0
80 9.5 7.4 11.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142626.D
Acq: 05 Jun 2025 11:04

Tgt Ion:240 Resp: 225137
Ion Ratio Lower Upper
240 100
120 10.7 7.5 11.3
236 25.5 19.6 29.4





#79

Terphenyl-d14

Concen: 78.113 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142626.D

Acq: 05 Jun 2025 11:04

Instrument :

BNA_F

ClientSampleId :

PB168285BL

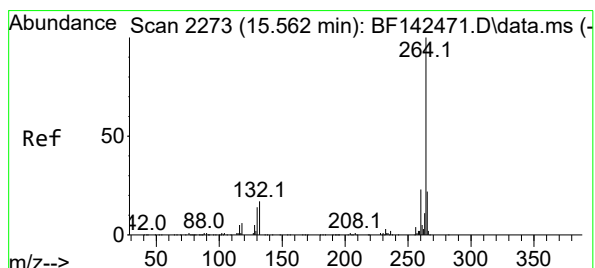
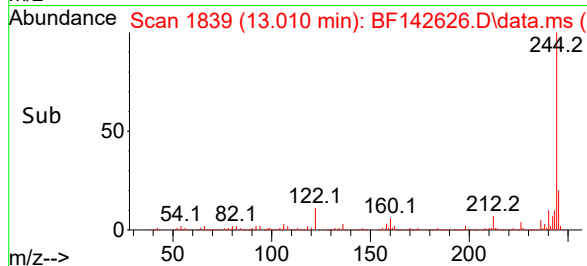
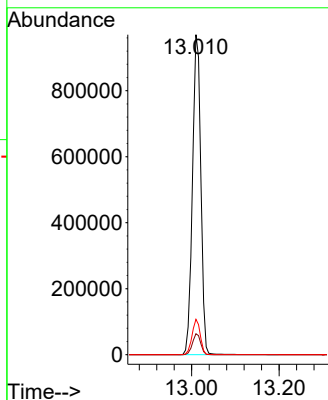
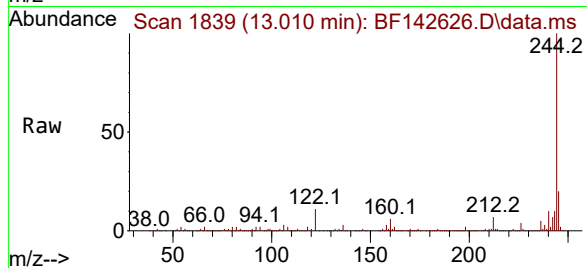
Tgt Ion:244 Resp: 1286910

Ion Ratio Lower Upper

244 100

212 6.6 5.3 7.9

122 11.0 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF142626.D

Acq: 05 Jun 2025 11:04

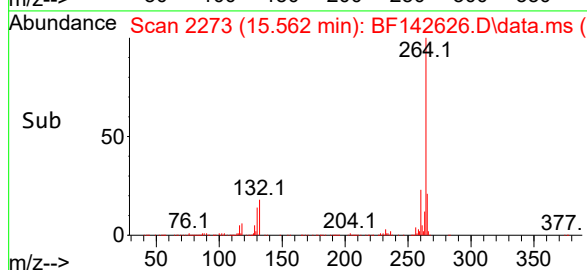
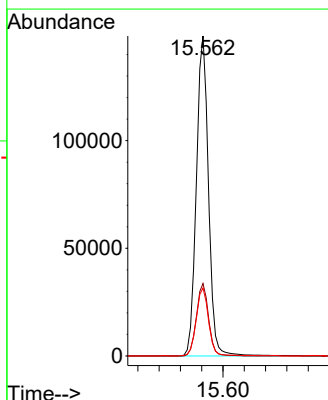
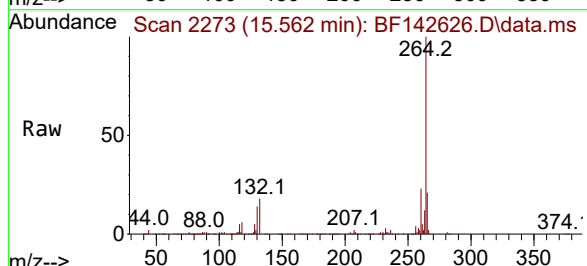
Tgt Ion:264 Resp: 234045

Ion Ratio Lower Upper

264 100

260 22.7 18.6 28.0

265 21.2 17.7 26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142626.D
Acq On : 05 Jun 2025 11:04
Operator : RC/JU
Sample : PB168285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168285BL

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_F\Methods\8270-BF052025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142626.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.128	492	499	509	rBV	209595	338476	8.53%	1.465%
2	5.522	559	566	571	rBV	2271570	3086845	77.83%	13.358%
3	6.522	729	736	741	rBV	2128452	3043429	76.74%	13.170%
4	6.892	794	799	805	rBV	541774	681009	17.17%	2.947%
5	7.457	888	895	900	rBV	1480052	2025064	51.06%	8.764%
6	8.181	1012	1018	1033	rBV	681820	907366	22.88%	3.927%
7	9.257	1194	1201	1206	rBV	2963129	3965900	100.00%	17.163%
8	9.933	1311	1316	1327	rBV	817428	1042216	26.28%	4.510%
9	10.727	1445	1451	1471	rBV	1837266	2414649	60.89%	10.449%
10	11.421	1564	1569	1577	rBV	800851	1030686	25.99%	4.460%
11	13.010	1833	1839	1844	rBV	2549333	3343061	84.30%	14.467%
12	14.068	2011	2019	2033	rBV	434578	611688	15.42%	2.647%
13	15.562	2267	2273	2288	rVB	389081	617537	15.57%	2.672%

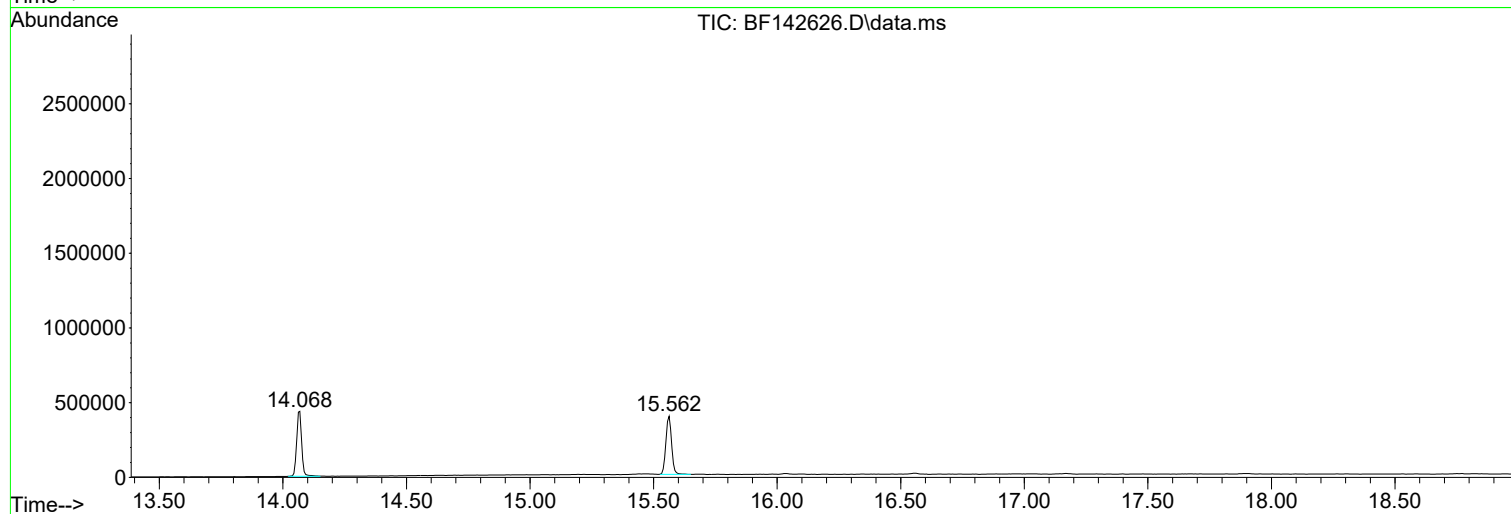
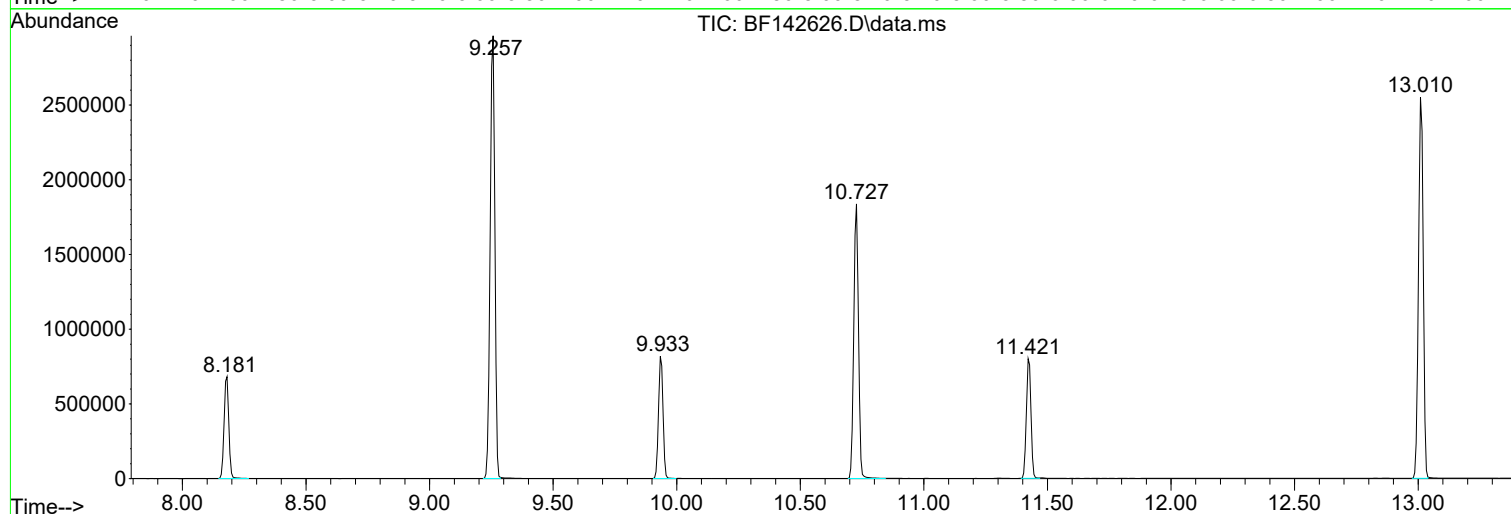
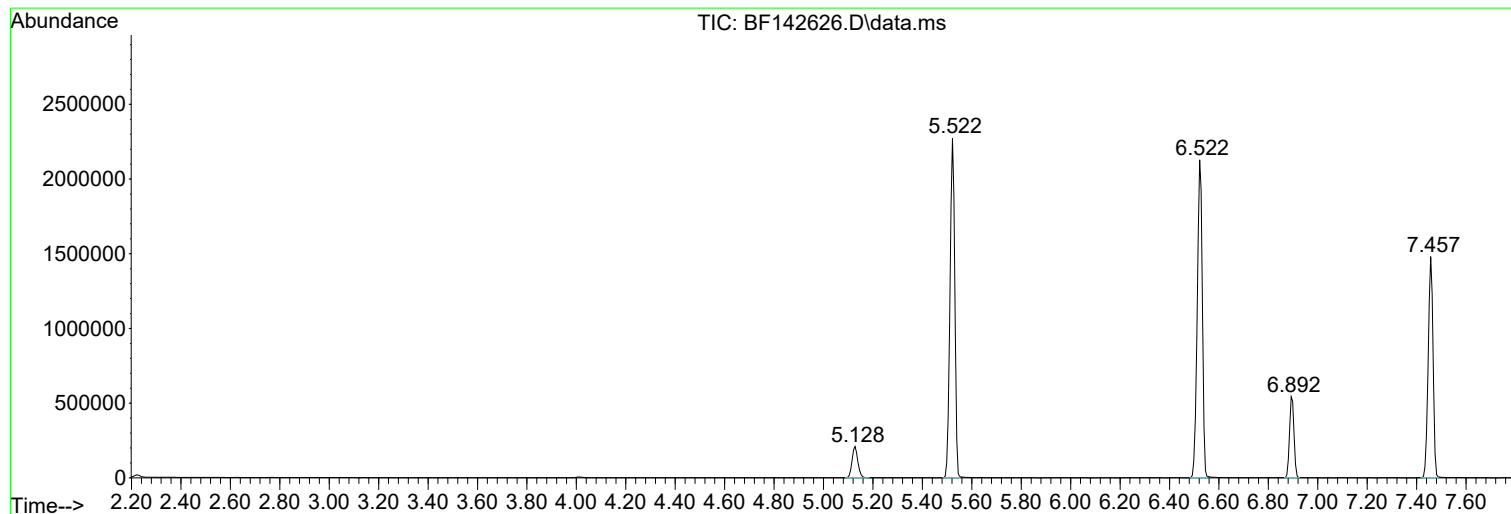
Sum of corrected areas: 23107926

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142626.D
Acq On : 05 Jun 2025 11:04
Operator : RC/JU
Sample : PB168285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168285BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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_F\Data\BF060525\
Data File : BF142626.D
Acq On : 05 Jun 2025 11:04
Operator : RC/JU
Sample : PB168285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

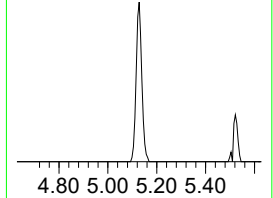
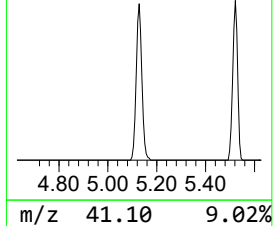
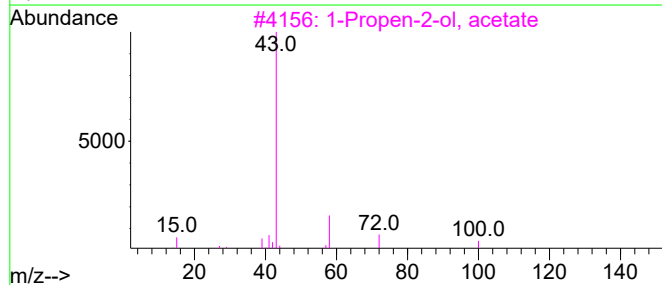
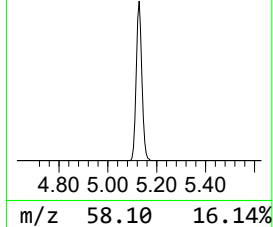
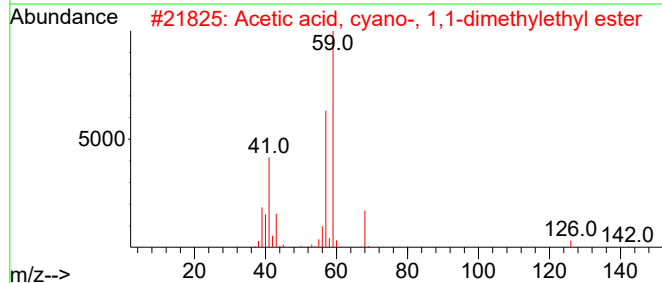
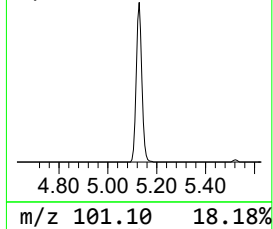
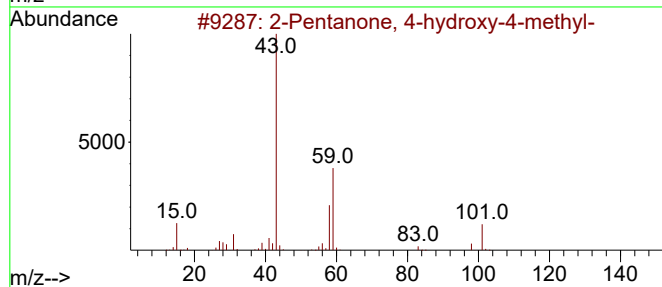
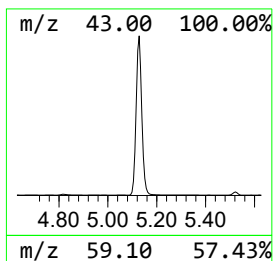
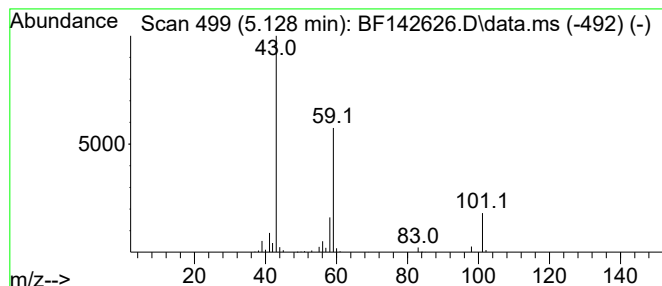
Instrument :
BNA_F
ClientSampleId :
PB168285BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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.
5.128	9.94 ng	338476	1,4-Dichlorobenzene-d4			6.892
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...		141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate		100	C5H8O2	000108-22-5	12
4	Morpholine, 4-methyl-		101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime		101	C4H7NO2	000057-71-6	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142626.D
Acq On : 05 Jun 2025 11:04
Operator : RC/JU
Sample : PB168285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168285BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.128	9.9	ng	338476	1	6.892	681009	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142750.D
 Acq On : 12 Jun 2025 11:25
 Operator : RC/JU
 Sample : PB168259BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168259BS

Quant Time: Jun 12 11:54:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	68728	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	259756	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	133412	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	196055	20.000	ng	0.00
76) Chrysene-d12	14.069	240	125134	20.000	ng	0.00
86) Perylene-d12	15.563	264	151859	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	543894	134.782	ng	0.02
7) Phenol-d6	6.522	99	634635	133.635	ng	0.00
23) Nitrobenzene-d5	7.457	82	403381	84.988	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	183453	125.466	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	857757	85.418	ng	0.00
79) Terphenyl-d14	13.010	244	660636	72.510	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.746	88	62682	39.250	ng	99
3) Pyridine	3.505	79	174463	43.569	ng	99
4) n-Nitrosodimethylamine	3.457	42	100333	48.972	ng	98
6) Aniline	6.557	93	235784	37.095	ng	98
8) 2-Chlorophenol	6.675	128	213613	48.439	ng	99
9) Benzaldehyde	6.440	77	101092	34.374	ng	99
10) Phenol	6.540	94	246020	46.606	ng	94
11) bis(2-Chloroethyl)ether	6.628	93	187665	47.596	ng	100
12) 1,3-Dichlorobenzene	6.834	146	233376	46.372	ng	98
13) 1,4-Dichlorobenzene	6.910	146	237027	46.602	ng	100
14) 1,2-Dichlorobenzene	7.063	146	227881	46.741	ng	99
15) Benzyl Alcohol	7.034	79	170503	47.501	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	288917	46.541	ng	94
17) 2-Methylphenol	7.145	107	160140	47.369	ng	99
18) Hexachloroethane	7.404	117	83239	45.667	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	137535	45.491	ng	99
20) 3+4-Methylphenols	7.298	107	198576	46.591	ng	96
22) Acetophenone	7.304	105	277292	47.990	ng	99
24) Nitrobenzene	7.475	77	203898	48.403	ng	99
25) Isophorone	7.716	82	367891	45.779	ng	99
26) 2-Nitrophenol	7.792	139	114017	48.498	ng	100
27) 2,4-Dimethylphenol	7.828	122	188342	47.054	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	230340	46.166	ng	100
29) 2,4-Dichlorophenol	8.034	162	174469	47.231	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	197830	48.466	ng	99
31) Naphthalene	8.198	128	610212	47.500	ng	100
32) Benzoic acid	7.945	122	102917	45.656	ng	99
33) 4-Chloroaniline	8.245	127	108122	20.962	ng	99
34) Hexachlorobutadiene	8.316	225	123159	47.349	ng	99
35) Caprolactam	8.616	113	45459	45.590	ng	99
36) 4-Chloro-3-methylphenol	8.728	107	174031	45.309	ng	98
37) 2-Methylnaphthalene	8.887	142	378269	46.521	ng	100
38) 1-Methylnaphthalene	8.987	142	388533	46.125	ng	98
40) 1,2,4,5-Tetrachloroben...	9.057	216	193655	50.153	ng	99
41) Hexachlorocyclopentadiene	9.045	237	249640	100.731	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	122429	48.981	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF0611225\
 Data File : BF142750.D
 Acq On : 12 Jun 2025 11:25
 Operator : RC/JU
 Sample : PB168259BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168259BS

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 12 11:54:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

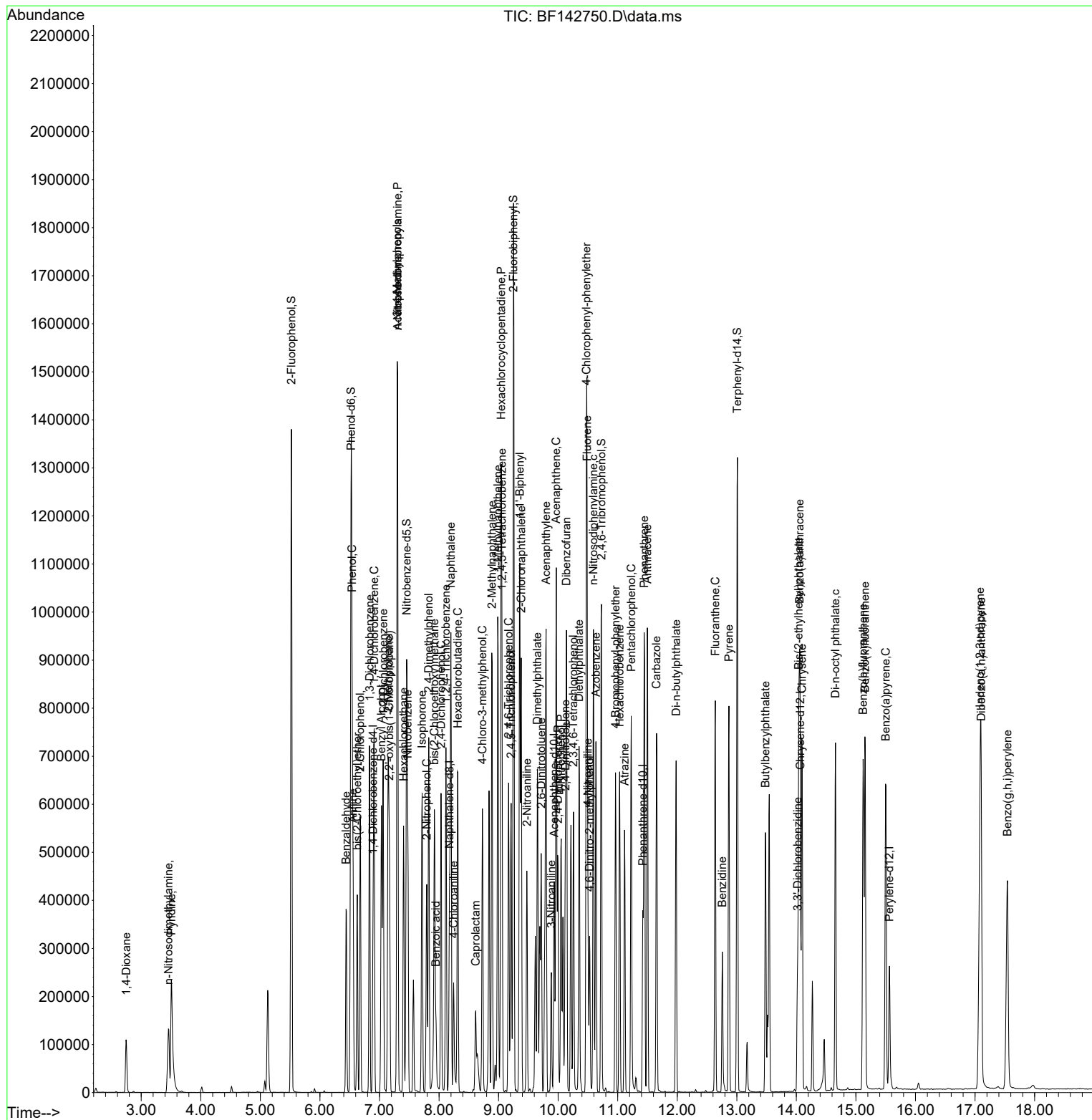
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	129417	47.938	ng	99
46) 1,1'-Biphenyl	9.357	154	515786	49.788	ng	99
47) 2-Chloronaphthalene	9.381	162	377304	49.436	ng	99
48) 2-Nitroaniline	9.475	65	104883	48.317	ng	99
49) Acenaphthylene	9.798	152	617677	47.998	ng	100
50) Dimethylphthalate	9.651	163	416010	46.695	ng	99
51) 2,6-Dinitrotoluene	9.716	165	90885	47.201	ng	94
52) Acenaphthene	9.969	154	407086	51.020	ng	100
53) 3-Nitroaniline	9.886	138	57256	27.416	ng	100
54) 2,4-Dinitrophenol	9.998	184	101087	95.842	ng	89
55) Dibenzofuran	10.139	168	533697	46.972	ng	99
56) 4-Nitrophenol	10.051	139	128104	90.440	ng	98
57) 2,4-Dinitrotoluene	10.122	165	119582	46.972	ng	99
58) Fluorene	10.486	166	408780	45.560	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	100716	44.344	ng	97
60) Diethylphthalate	10.351	149	394552	44.663	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	201585	46.005	ng	99
62) 4-Nitroaniline	10.498	138	83841	44.873	ng	99
63) Azobenzene	10.633	77	348697	45.196	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	62500	50.907	ng	93
66) n-Nitrosodiphenylamine	10.592	169	343784	51.013	ng	100
67) 4-Bromophenyl-phenylether	10.963	248	118777	51.325	ng	96
68) Hexachlorobenzene	11.033	284	131197	51.073	ng	98
69) Atrazine	11.116	200	94336	52.505	ng	99
70) Pentachlorophenol	11.228	266	133589	99.208	ng	99
71) Phenanthrene	11.445	178	526047	50.083	ng	99
72) Anthracene	11.498	178	536828	49.406	ng	99
73) Carbazole	11.651	167	456048	50.136	ng	99
74) Di-n-butylphthalate	11.980	149	500868	49.312	ng	100
75) Fluoranthene	12.639	202	488146	48.875	ng	99
77) Benzidine	12.757	184	174245	39.099	ng	99
78) Pyrene	12.869	202	488130	41.976	ng	100
80) Butylbenzylphthalate	13.480	149	185187	53.853	ng	99
81) Benzo(a)anthracene	14.057	228	410291	49.479	ng	99
82) 3,3'-Dichlorobenzidine	14.022	252	76566	28.634	ng	99
83) Chrysene	14.092	228	384377	50.207	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	276777	53.632	ng	100
85) Di-n-octyl phthalate	14.657	149	506808	51.187	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	543031	48.254	ng	100
88) Benzo(b)fluoranthene	15.121	252	473532	52.958	ng	99
89) Benzo(k)fluoranthene	15.151	252	403601	46.520	ng	99
90) Benzo(a)pyrene	15.504	252	433248	50.960	ng	100
91) Dibenzo(a,h)anthracene	17.104	278	436254	47.477	ng	99
92) Benzo(g,h,i)perylene	17.545	276	428212	46.864	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142750.D
Acq On : 12 Jun 2025 11:25
Operator : RC/JU
Sample : PB168259BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168259BS

Quant Time: Jun 12 11:54:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142727.D
 Acq On : 11 Jun 2025 11:21
 Operator : RC/JU
 Sample : PB168285BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168285BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/12/2025
 Supervised By :Jagrut Upadhyay 06/12/2025

Quant Time: Jun 11 11:45:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	75631	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	294551	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	162704	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	278222	20.000	ng	0.00
76) Chrysene-d12	14.068	240	147780	20.000	ng	0.00
86) Perylene-d12	15.562	264	156697	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	557674	125.583	ng	0.02
7) Phenol-d6	6.522	99	663936	127.044	ng	0.00
23) Nitrobenzene-d5	7.457	82	418857	77.824	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	230898	129.484	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	933481	76.223	ng	0.00
79) Terphenyl-d14	13.010	244	879635	81.752	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.763	88	64643	36.783	ng	100
3) Pyridine	3.516	79	178507	40.510	ng	99
4) n-Nitrosodimethylamine	3.475	42	99969	44.341	ng	98
6) Aniline	6.557	93	222608	31.826	ng	97
8) 2-Chlorophenol	6.675	128	222610	45.872	ng	99
9) Benzaldehyde	6.439	77	104049	32.151	ng	98
10) Phenol	6.539	94	256115	44.090	ng	94
11) bis(2-Chloroethyl)ether	6.628	93	191831	44.212	ng	98
12) 1,3-Dichlorobenzene	6.834	146	238872	43.132	ng	99
13) 1,4-Dichlorobenzene	6.910	146	240362	42.945	ng	99
14) 1,2-Dichlorobenzene	7.063	146	233854	43.588	ng	99
15) Benzyl Alcohol	7.034	79	178579	45.210	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	294148	43.059	ng	92
17) 2-Methylphenol	7.145	107	169079	45.448	ng	99
18) Hexachloroethane	7.404	117	87092	43.420	ng	100
19) n-Nitroso-di-n-propyla...	7.310	70	145357	43.690	ng	98
20) 3+4-Methylphenols	7.298	107	213736	45.571	ng	99
22) Acetophenone	7.304	105	289978	44.257	ng	99
24) Nitrobenzene	7.475	77	212823	44.554	ng	99
25) Isophorone	7.716	82	399446	43.834	ng	99
26) 2-Nitrophenol	7.792	139	122967	46.127	ng	99
27) 2,4-Dimethylphenol	7.828	122	205753	45.332	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	250547	44.284	ng	99
29) 2,4-Dichlorophenol	8.033	162	190058	45.374	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	202914	43.839	ng	100
31) Naphthalene	8.198	128	637437	43.758	ng	99
32) Benzoic acid	7.957	122	127508	49.883	ng	98
33) 4-Chloroaniline	8.245	127	83575	14.289	ng	98
34) Hexachlorobutadiene	8.316	225	127185	43.120	ng	98
35) Caprolactam	8.622	113	56567m	50.029	ng	
36) 4-Chloro-3-methylphenol	8.733	107	195715	44.935	ng	100
37) 2-Methylnaphthalene	8.892	142	399320	43.308	ng	98
38) 1-Methylnaphthalene	8.992	142	421083	44.084	ng	99
40) 1,2,4,5-Tetrachloroben...	9.057	216	210701	44.743	ng	99
41) Hexachlorocyclopentadiene	9.045	237	273896	90.621	ng	98
43) 2,4,6-Trichlorophenol	9.169	196	142414	46.719	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142727.D
 Acq On : 11 Jun 2025 11:21
 Operator : RC/JU
 Sample : PB168285BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168285BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/12/2025
 Supervised By :Jagrut Upadhyay 06/12/2025

Quant Time: Jun 11 11:45:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	147700	44.861	ng	98
46) 1,1'-Biphenyl	9.357	154	559102	44.253	ng	100
47) 2-Chloronaphthalene	9.380	162	412111	44.275	ng	100
48) 2-Nitroaniline	9.475	65	120048	45.346	ng	99
49) Acenaphthylene	9.798	152	701774	44.715	ng	100
50) Dimethylphthalate	9.657	163	497771	45.814	ng	100
51) 2,6-Dinitrotoluene	9.722	165	108743	46.308	ng	97
52) Acenaphthene	9.969	154	489115	50.265	ng	99
53) 3-Nitroaniline	9.886	138	66608	26.152	ng	99
54) 2,4-Dinitrophenol	9.998	184	139520	108.465	ng	91
55) Dibenzofuran	10.145	168	615212	44.398	ng	99
56) 4-Nitrophenol	10.051	139	170781	98.864	ng	96
57) 2,4-Dinitrotoluene	10.127	165	149112	48.027	ng	98
58) Fluorene	10.486	166	480108	43.876	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	127700	46.103	ng	100
60) Diethylphthalate	10.357	149	500364	46.443	ng	100
61) 4-Chlorophenyl-phenyle...	10.474	204	235568	44.082	ng	99
62) 4-Nitroaniline	10.510	138	108265	47.514	ng	99
63) Azobenzene	10.639	77	421629	44.810	ng	98
65) 4,6-Dinitro-2-methylph...	10.533	198	83683	48.031	ng	96
66) n-Nitrosodiphenylamine	10.598	169	424612	44.399	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	144219	43.914	ng	99
68) Hexachlorobenzene	11.033	284	160594	44.053	ng	99
69) Atrazine	11.121	200	128999	50.593	ng	99
70) Pentachlorophenol	11.233	266	178839	93.589	ng	98
71) Phenanthrene	11.451	178	663039	44.483	ng	100
72) Anthracene	11.504	178	681281	44.184	ng	100
73) Carbazole	11.657	167	590398	45.737	ng	100
74) Di-n-butylphthalate	11.980	149	710586	49.299	ng	100
75) Fluoranthene	12.639	202	647918	45.714	ng	99
77) Benzidine	12.757	184	177445	33.716	ng	99
78) Pyrene	12.868	202	638902	46.522	ng	100
80) Butylbenzylphthalate	13.480	149	204524	50.362	ng	99
81) Benzo(a)anthracene	14.057	228	447930	45.741	ng	98
82) 3,3'-Dichlorobenzidine	14.021	252	68073	21.556	ng	97
83) Chrysene	14.098	228	422464	46.725	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	282460	46.345	ng	100
85) Di-n-octyl phthalate	14.657	149	520093	44.480	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	522405	44.988	ng	100
88) Benzo(b)fluoranthene	15.121	252	450291	48.804	ng	99
89) Benzo(k)fluoranthene	15.157	252	394562	44.074	ng	99
90) Benzo(a)pyrene	15.504	252	409410	46.669	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	427909	45.131	ng	100
92) Benzo(g,h,i)perylene	17.545	276	416187	44.141	ng	100

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

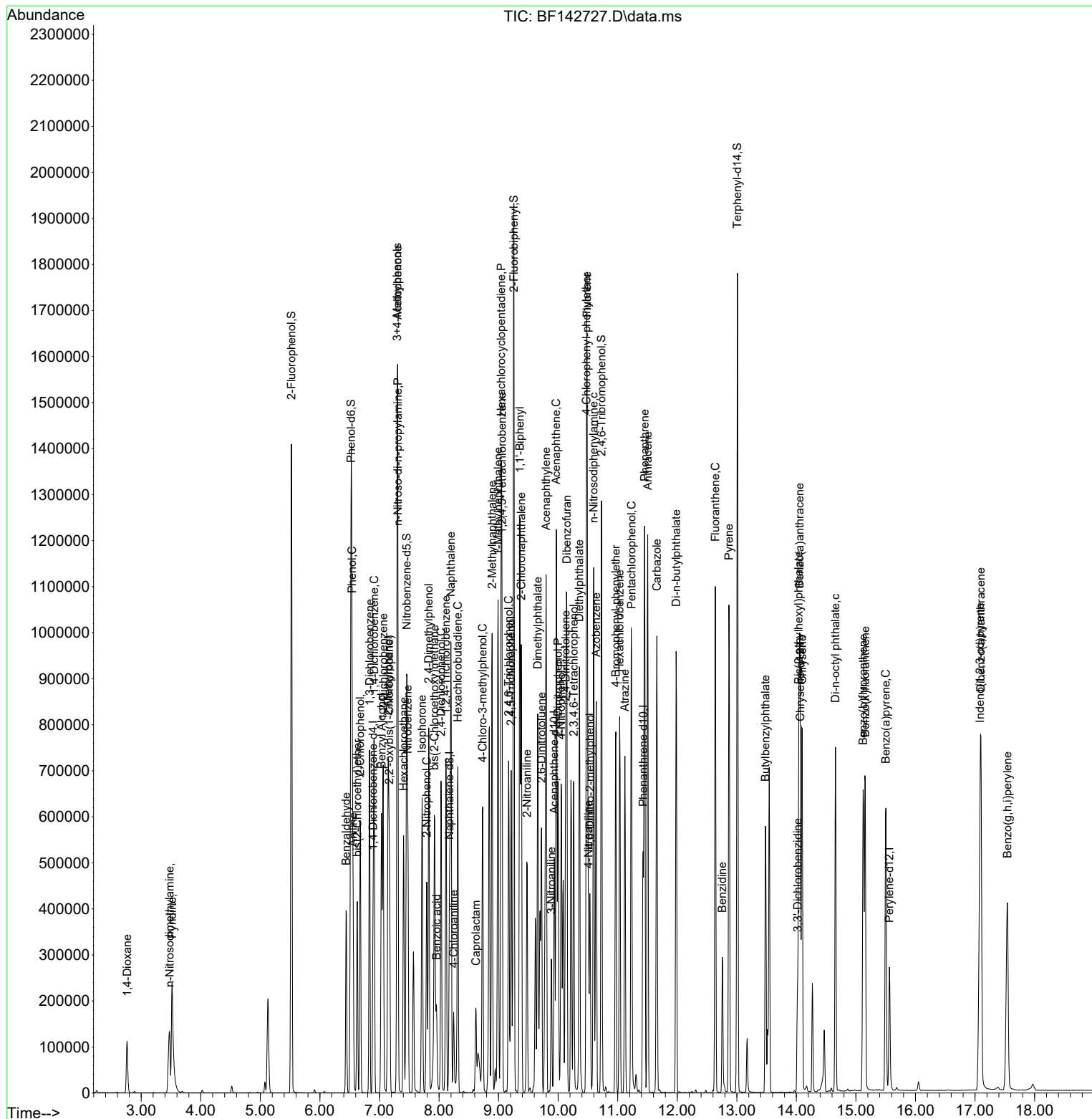
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Data File : BF142727.D  
Acq On    : 11 Jun 2025  11:21  
Operator  : RC/JU  
Sample    : PB168285BS  
Misc      :  
ALS Vial  : 6    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
PB168285BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/12/2025
Supervised By :Jaqrut Upadhyay 06/12/2025

Quant Time: Jun 11 11:45:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142728.D
 Acq On : 11 Jun 2025 11:50
 Operator : RC/JU
 Sample : PB168285BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168285BSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/12/2025
 Supervised By :Jagrut Upadhyay 06/12/2025

Quant Time: Jun 11 12:17:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	79958	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	304653	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	167586	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	281985	20.000	ng	0.00
76) Chrysene-d12	14.069	240	148975	20.000	ng	0.00
86) Perylene-d12	15.563	264	159540	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	584593	124.521	ng	0.02
7) Phenol-d6	6.528	99	699315	126.573	ng	0.00
23) Nitrobenzene-d5	7.457	82	442271	79.449	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	236790	128.920	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	979443	77.646	ng	0.00
79) Terphenyl-d14	13.010	244	859457	79.236	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.769	88	67790	36.486	ng	99
3) Pyridine	3.522	79	187784	40.309	ng	99
4) n-Nitrosodimethylamine	3.481	42	106761	44.791	ng	98
6) Aniline	6.557	93	235031	31.783	ng	95
8) 2-Chlorophenol	6.681	128	235077	45.820	ng	98
9) Benzaldehyde	6.446	77	108698	31.769	ng	96
10) Phenol	6.540	94	271535	44.215	ng	95
11) bis(2-Chloroethyl)ether	6.628	93	203412	44.344	ng	99
12) 1,3-Dichlorobenzene	6.834	146	252496	43.125	ng	99
13) 1,4-Dichlorobenzene	6.910	146	254095	42.942	ng	99
14) 1,2-Dichlorobenzene	7.063	146	244725	43.146	ng	99
15) Benzyl Alcohol	7.034	79	189979	45.494	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	308921	42.774	ng	98
17) 2-Methylphenol	7.146	107	181748	46.210	ng	99
18) Hexachloroethane	7.404	117	91334	43.071	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	153317	43.589	ng	100
20) 3+4-Methylphenols	7.298	107	228375	46.057	ng	98
22) Acetophenone	7.304	105	305840	45.131	ng	98
24) Nitrobenzene	7.481	77	224388	45.417	ng	100
25) Isophorone	7.716	82	421864	44.759	ng	99
26) 2-Nitrophenol	7.793	139	128129	46.469	ng	99
27) 2,4-Dimethylphenol	7.828	122	217370	46.303	ng	100
28) bis(2-Chloroethoxy)met...	7.928	93	264684	45.231	ng	100
29) 2,4-Dichlorophenol	8.040	162	204043	47.097	ng	97
30) 1,2,4-Trichlorobenzene	8.116	180	216097	45.139	ng	100
31) Naphthalene	8.198	128	674474	44.765	ng	99
32) Benzoic acid	7.957	122	136622	51.676	ng	99
33) 4-Chloroaniline	8.245	127	86856	14.357	ng	99
34) Hexachlorobutadiene	8.316	225	134005	43.926	ng	99
35) Caprolactam	8.622	113	58307m	49.858	ng	
36) 4-Chloro-3-methylphenol	8.734	107	206170	45.766	ng	99
37) 2-Methylnaphthalene	8.892	142	428144	44.895	ng	99
38) 1-Methylnaphthalene	8.992	142	441163	44.655	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	216872	44.712	ng	99
41) Hexachlorocyclopentadiene	9.045	237	293138	94.162	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	148294	47.231	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142728.D
 Acq On : 11 Jun 2025 11:50
 Operator : RC/JU
 Sample : PB168285BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168285BSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/12/2025
 Supervised By :Jagrut Upadhyay 06/12/2025

Quant Time: Jun 11 12:17:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

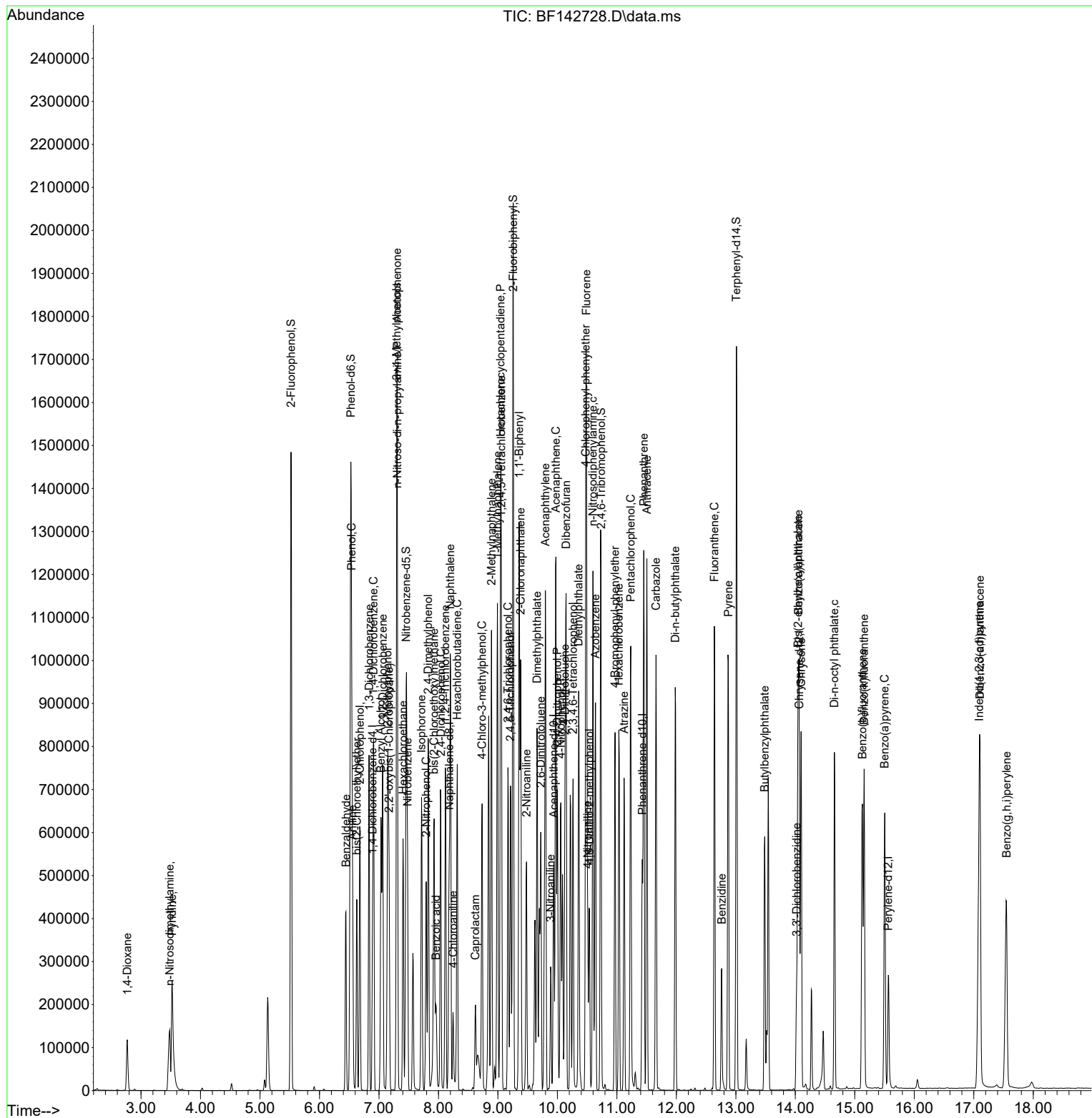
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	155805	45.944	ng	97
46) 1,1'-Biphenyl	9.357	154	586146	45.042	ng	100
47) 2-Chloronaphthalene	9.381	162	434176	45.287	ng	100
48) 2-Nitroaniline	9.481	65	123837	45.415	ng	95
49) Acenaphthylene	9.798	152	733996	45.406	ng	100
50) Dimethylphthalate	9.657	163	522022	46.646	ng	100
51) 2,6-Dinitrotoluene	9.722	165	111554	46.122	ng	95
52) Acenaphthene	9.975	154	499655	49.852	ng	99
53) 3-Nitroaniline	9.886	138	67107	25.580	ng	98
54) 2,4-Dinitrophenol	9.998	184	142845	107.815	ng	93
55) Dibenzofuran	10.145	168	638399	44.730	ng	100
56) 4-Nitrophenol	10.057	139	172443	96.918	ng	97
57) 2,4-Dinitrotoluene	10.128	165	152297	47.624	ng	98
58) Fluorene	10.486	166	503700	44.691	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	131356	46.041	ng	99
60) Diethylphthalate	10.357	149	516838	46.575	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	248444	45.137	ng	99
62) 4-Nitroaniline	10.510	138	109301	46.571	ng	98
63) Azobenzene	10.639	77	441139	45.518	ng	98
65) 4,6-Dinitro-2-methylph...	10.539	198	86177	48.802	ng	98
66) n-Nitrosodiphenylamine	10.598	169	437418	45.128	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	150357	45.172	ng	98
68) Hexachlorobenzene	11.033	284	164704	44.578	ng	98
69) Atrazine	11.122	200	128706	49.805	ng	100
70) Pentachlorophenol	11.233	266	179040	92.443	ng	97
71) Phenanthrene	11.451	178	678589	44.919	ng	100
72) Anthracene	11.504	178	702094	44.926	ng	100
73) Carbazole	11.657	167	601663	45.988	ng	99
74) Di-n-butylphthalate	11.980	149	699562	47.886	ng	99
75) Fluoranthene	12.639	202	645627	44.944	ng	99
77) Benzidine	12.763	184	172676	32.546	ng	98
78) Pyrene	12.875	202	631683	45.628	ng	99
80) Butylbenzylphthalate	13.486	149	206062	50.334	ng	98
81) Benzo(a)anthracene	14.057	228	469680	47.577	ng	99
82) 3,3'-Dichlorobenzidine	14.022	252	70698	22.208	ng	100
83) Chrysene	14.098	228	408413	44.809	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	298050	48.511	ng	99
85) Di-n-octyl phthalate	14.657	149	555755	47.148	ng	100
87) Indeno(1,2,3-cd)pyrene	17.092	276	547077	46.273	ng	100
88) Benzo(b)fluoranthene	15.127	252	436349	46.450	ng	99
89) Benzo(k)fluoranthene	15.157	252	431458	47.337	ng	100
90) Benzo(a)pyrene	15.504	252	424339	47.509	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	449495	46.562	ng	100
92) Benzo(g,h,i)perylene	17.551	276	437957	45.623	ng	100

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

Instrument :
BNA_F
ClientSampleId :
PB168285BSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/12/2025
Supervised By :Jaqrut Upadhyay 06/12/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
 Data File : BF142629.D
 Acq On : 05 Jun 2025 12:38
 Operator : RC/JU
 Sample : Q2194-03MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

COMP-13MS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 13:04:30 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 20 16:26:47 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	122190	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	451779	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	216895	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	322012	20.000	ng	0.00
76) Chrysene-d12	14.069	240	234738	20.000	ng	0.00
86) Perylene-d12	15.563	264	279656	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	599856	82.708	ng	0.00
7) Phenol-d6	6.528	99	713873	81.768	ng	0.00
23) Nitrobenzene-d5	7.457	82	438378	52.911	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	189404	78.680	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	836201	51.733	ng	-0.01
79) Terphenyl-d14	13.010	244	631979	36.791	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.734	88	116544	40.157	ng	98
3) Pyridine	3.493	79	317907	43.015	ng	97
4) n-Nitrosodimethylamine	3.446	42	166389	43.360	ng	90
6) Aniline	6.557	93	418548	35.655	ng	98
8) 2-Chlorophenol	6.681	128	349653	44.261	ng	99
9) Benzaldehyde	6.446	77	185164	35.262	ng	99
10) Phenol	6.540	94	420223	42.777	ng	100
11) bis(2-Chloroethyl)ether	6.628	93	315563	44.625	ng	100
12) 1,3-Dichlorobenzene	6.840	146	381689	43.300	ng	98
13) 1,4-Dichlorobenzene	6.916	146	390667	43.997	ng	98
14) 1,2-Dichlorobenzene	7.069	146	373469	43.956	ng	99
15) Benzyl Alcohol	7.034	79	273858	42.447	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.169	45	511374	43.062	ng	98
17) 2-Methylphenol	7.146	107	260125	42.175	ng	98
18) Hexachloroethane	7.410	117	135471	43.693	ng	99
19) n-Nitroso-di-n-propyla...	7.304	70	214353	39.616	ng	100
20) 3+4-Methylphenols	7.298	107	319353	40.433	ng	97
22) Acetophenone	7.304	105	434580	43.454	ng	98
24) Nitrobenzene	7.481	77	329327	44.072	ng	98
25) Isophorone	7.716	82	586760	42.359	ng	98
26) 2-Nitrophenol	7.793	139	187399	46.934	ng	98
27) 2,4-Dimethylphenol	7.834	122	305696	43.415	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	380803	44.007	ng	99
29) 2,4-Dichlorophenol	8.040	162	277852	43.390	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	312724	44.999	ng	98
31) Naphthalene	8.204	128	974716	43.817	ng	100
32) Benzoic acid	7.945	122	193944m	45.248	ng	
33) 4-Chloroaniline	8.251	127	227971	25.291	ng	98
34) Hexachlorobutadiene	8.316	225	191565	44.147	ng	100
35) Caprolactam	8.616	113	78313m	43.544	ng	
36) 4-Chloro-3-methylphenol	8.728	107	261506	39.848	ng	97
37) 2-Methylnaphthalene	8.892	142	591729	42.281	ng	100
38) 1-Methylnaphthalene	8.992	142	600790	41.502	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	297227	47.739	ng	98
41) Hexachlorocyclopentadiene	9.045	237	375230	89.339	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	194738	46.384	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
 Data File : BF142629.D
 Acq On : 05 Jun 2025 12:38
 Operator : RC/JU
 Sample : Q2194-03MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

COMP-13MS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 13:04:30 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 20 16:26:47 2025

Response via : Initial Calibration

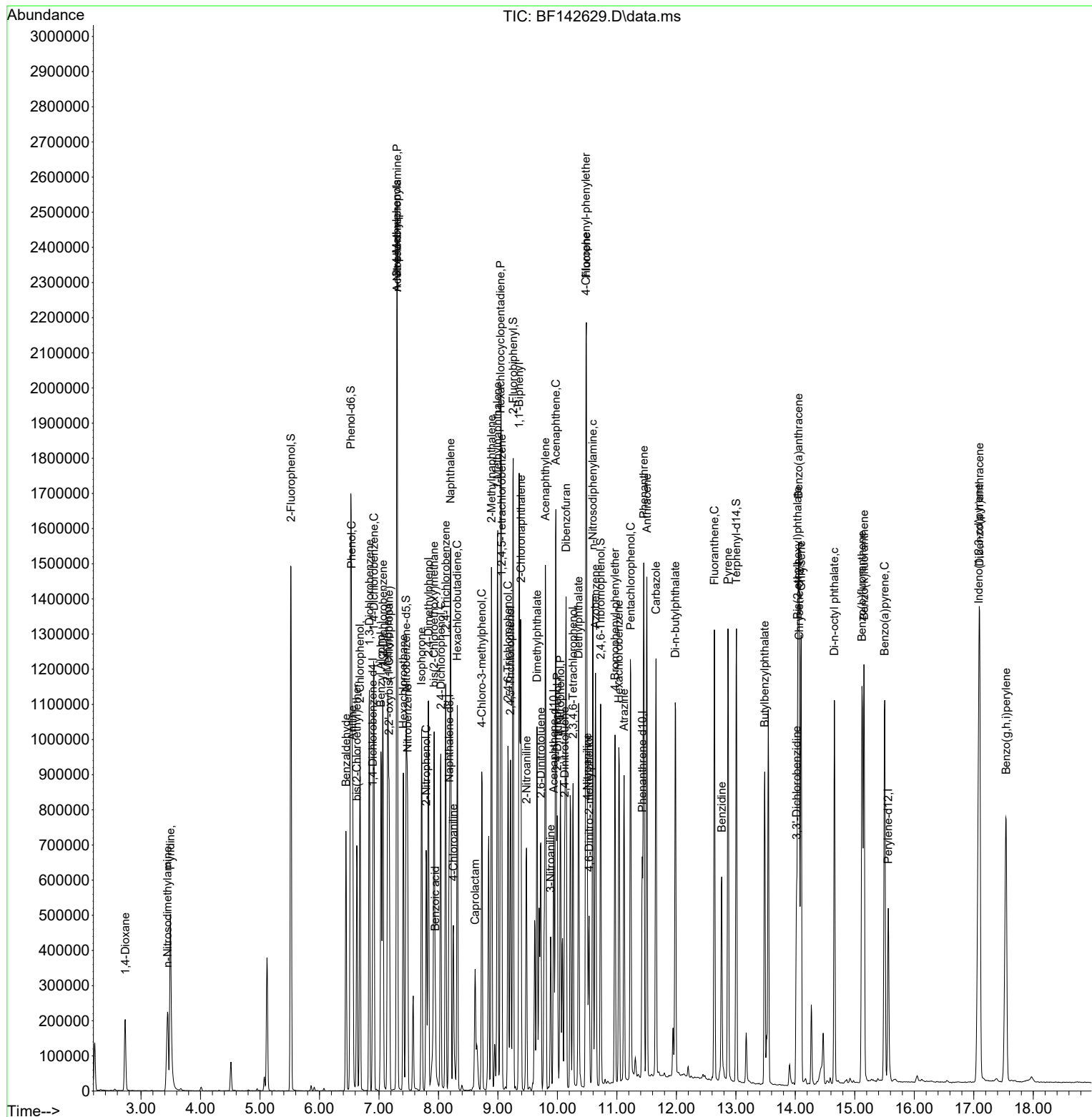
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	199277	45.006	ng	98
46) 1,1'-Biphenyl	9.357	154	780991	46.413	ng	99
47) 2-Chloronaphthalene	9.387	162	577402	46.443	ng	97
48) 2-Nitroaniline	9.481	65	160805	44.748	ng	95
49) Acenaphthylene	9.798	152	939256	44.741	ng	100
50) Dimethylphthalate	9.657	163	622374	43.488	ng	99
51) 2,6-Dinitrotoluene	9.722	165	136634	44.234	ng	95
52) Acenaphthene	9.975	154	623337	48.626	ng	99
53) 3-Nitroaniline	9.887	138	101002	29.937	ng	98
54) 2,4-Dinitrophenol	9.998	184	158196	99.131	ng	92
55) Dibenzofuran	10.145	168	807247	43.761	ng	98
56) 4-Nitrophenol	10.051	139	219710	88.260	ng	96
57) 2,4-Dinitrotoluene	10.122	165	180624	44.776	ng	99
58) Fluorene	10.486	166	608304	42.685	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	157768	42.681	ng	98
60) Diethylphthalate	10.357	149	579733	41.477	ng	99
61) 4-Chlorophenyl-phenyle...	10.481	204	295911	42.269	ng	96
62) 4-Nitroaniline	10.504	138	134386	43.919	ng	95
63) Azobenzene	10.639	77	589364	46.946	ng	95
65) 4,6-Dinitro-2-methylph...	10.534	198	95910	53.370	ng	97
66) n-Nitrosodiphenylamine	10.598	169	517819	47.003	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	177063	46.503	ng	98
68) Hexachlorobenzene	11.034	284	196279	46.608	ng	99
69) Atrazine	11.122	200	147925	50.560	ng	99
70) Pentachlorophenol	11.233	266	215378	90.586	ng	98
71) Phenanthrene	11.451	178	776660	45.131	ng	100
72) Anthracene	11.504	178	801110	45.613	ng	100
73) Carbazole	11.657	167	688286	45.841	ng	100
74) Di-n-butylphthalate	11.981	149	789814	48.057	ng	99
75) Fluoranthene	12.639	202	747653	46.496	ng	99
77) Benzidine	12.763	184	344316	39.417	ng	99
78) Pyrene	12.869	202	746029	34.069	ng	99
80) Butylbenzylphthalate	13.486	149	301575	49.841	ng	96
81) Benzo(a)anthracene	14.057	228	725686	46.297	ng	99
82) 3,3'-Dichlorobenzidine	14.022	252	165303	34.769	ng	98
83) Chrysene	14.098	228	623470	44.266	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	424459	54.798	ng	99
85) Di-n-octyl phthalate	14.657	149	755517	49.884	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	903860	43.052	ng	99
88) Benzo(b)fluoranthene	15.121	252	773424	46.729	ng	98
89) Benzo(k)fluoranthene	15.157	252	673810	43.465	ng	99
90) Benzo(a)pyrene	15.504	252	713699	45.746	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	735502	43.194	ng	98
92) Benzo(g,h,i)perylene	17.545	276	730836	42.911	ng	99

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

Instrument :
BNA_F
ClientSampleId :
COMP-13MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
 Data File : BF142630.D
 Acq On : 05 Jun 2025 13:07
 Operator : RC/JU
 Sample : Q2194-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

COMP-13MSD

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 13:36:41 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 20 16:26:47 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	123357	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	463790	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	232069	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	359383	20.000	ng	0.00
76) Chrysene-d12	14.068	240	228816	20.000	ng	0.00
86) Perylene-d12	15.557	264	274428	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	606643	82.853	ng	0.00
7) Phenol-d6	6.528	99	725535	82.317	ng	0.00
23) Nitrobenzene-d5	7.457	82	442951	52.079	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	199475	77.446	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	866115	50.080	ng	-0.01
79) Terphenyl-d14	13.010	244	668267	39.911	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.734	88	117333	40.046	ng	97
3) Pyridine	3.493	79	318357	42.668	ng	98
4) n-Nitrosodimethylamine	3.446	42	168553	43.509	ng	89
6) Aniline	6.557	93	422068	35.614	ng	97
8) 2-Chlorophenol	6.681	128	354006	44.389	ng	99
9) Benzaldehyde	6.445	77	186774	35.232	ng	99
10) Phenol	6.539	94	425836	42.938	ng	100
11) bis(2-Chloroethyl)ether	6.628	93	313745	43.948	ng	100
12) 1,3-Dichlorobenzene	6.839	146	384366	43.191	ng	98
13) 1,4-Dichlorobenzene	6.916	146	387280	43.203	ng	98
14) 1,2-Dichlorobenzene	7.063	146	376839	43.933	ng	98
15) Benzyl Alcohol	7.034	79	278195	42.711	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	518664	43.262	ng	98
17) 2-Methylphenol	7.145	107	266908	42.866	ng	100
18) Hexachloroethane	7.410	117	136975	43.760	ng	100
19) n-Nitroso-di-n-propyla...	7.304	70	220986	40.455	ng	99
20) 3+4-Methylphenols	7.298	107	323534	40.575	ng	97
22) Acetophenone	7.304	105	439621	42.819	ng	98
24) Nitrobenzene	7.481	77	336215	43.829	ng	98
25) Isophorone	7.716	82	599610	42.165	ng	98
26) 2-Nitrophenol	7.792	139	192003	46.842	ng	97
27) 2,4-Dimethylphenol	7.833	122	308954	42.741	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	385605	43.408	ng	99
29) 2,4-Dichlorophenol	8.039	162	286625	43.601	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	316300	44.335	ng	98
31) Naphthalene	8.204	128	990347	43.366	ng	100
32) Benzoic acid	7.945	122	199134	45.256	ng	97
33) 4-Chloroaniline	8.251	127	220081	23.783	ng	97
34) Hexachlorobutadiene	8.316	225	191757	43.046	ng	99
35) Caprolactam	8.616	113	85131m	46.109	ng	
36) 4-Chloro-3-methylphenol	8.733	107	276250	41.005	ng	95
37) 2-Methylnaphthalene	8.892	142	603054	41.975	ng	99
38) 1-Methylnaphthalene	8.992	142	620345	41.743	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	307948	46.227	ng	99
41) Hexachlorocyclopentadiene	9.045	237	381130	84.810	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	204875	45.608	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
 Data File : BF142630.D
 Acq On : 05 Jun 2025 13:07
 Operator : RC/JU
 Sample : Q2194-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-13MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/06/2025
 Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 13:36:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

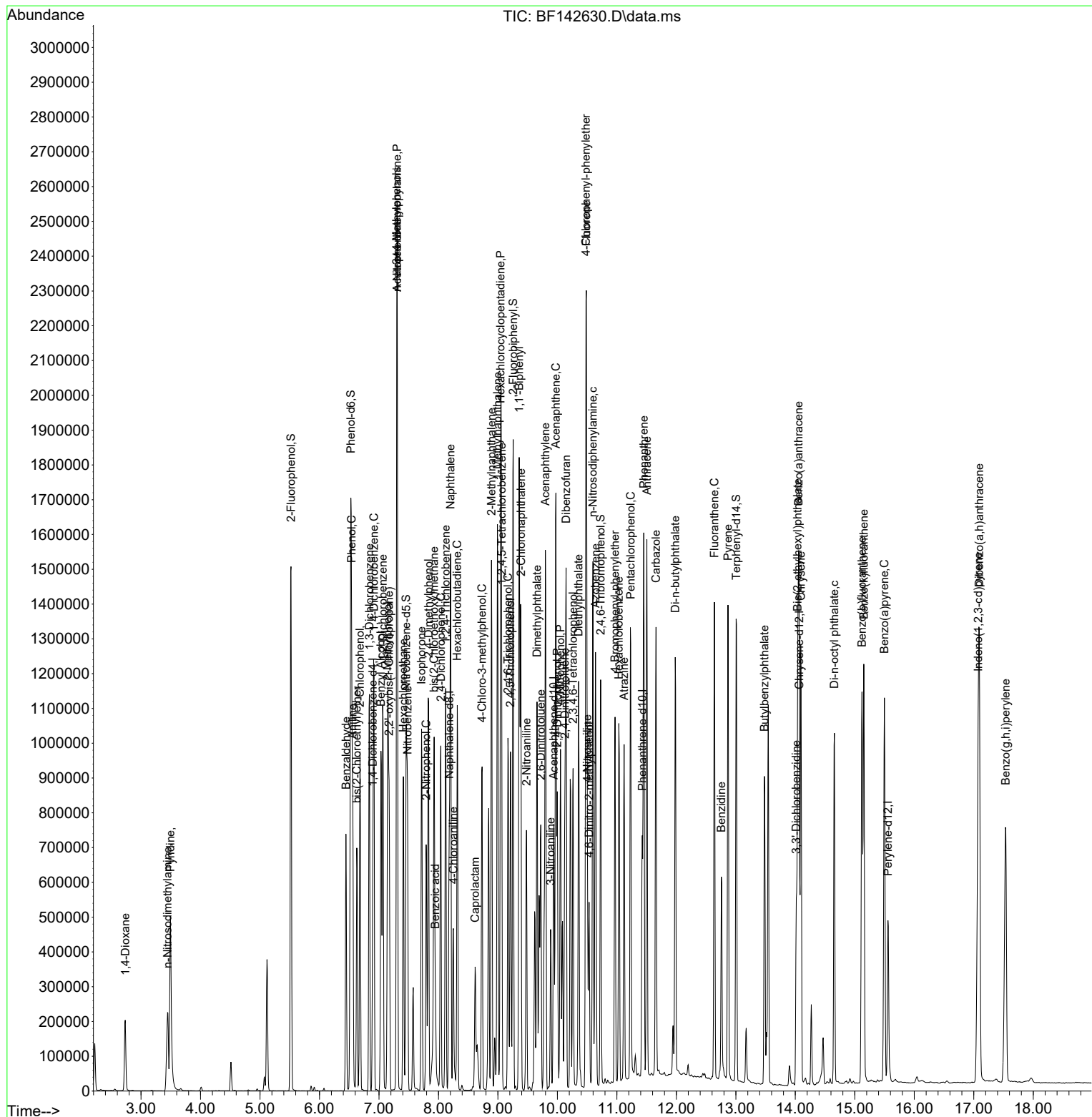
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	206573	43.603	ng	98
46) 1,1'-Biphenyl	9.357	154	809190	44.944	ng	99
47) 2-Chloronaphthalene	9.386	162	601823	45.242	ng	98
48) 2-Nitroaniline	9.480	65	173466	45.115	ng	96
49) Acenaphthylene	9.798	152	984557	43.832	ng	99
50) Dimethylphthalate	9.657	163	661895	43.225	ng	100
51) 2,6-Dinitrotoluene	9.722	165	148392	44.900	ng	95
52) Acenaphthene	9.975	154	654841	47.744	ng	99
53) 3-Nitroaniline	9.886	138	106885	29.610	ng	99
54) 2,4-Dinitrophenol	9.998	184	175836	102.981	ng	92
55) Dibenzofuran	10.145	168	846807	42.904	ng	98
56) 4-Nitrophenol	10.051	139	242899	91.196	ng	97
57) 2,4-Dinitrotoluene	10.127	165	195481	45.290	ng	98
58) Fluorene	10.486	166	646129	42.375	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	173703	43.920	ng	97
60) Diethylphthalate	10.357	149	631869	42.251	ng	100
61) 4-Chlorophenyl-phenyle...	10.480	204	311750	41.620	ng	96
62) 4-Nitroaniline	10.504	138	147725	45.122	ng	97
63) Azobenzene	10.639	77	633510	47.163	ng	95
65) 4,6-Dinitro-2-methylph...	10.533	198	103631	51.670	ng	98
66) n-Nitrosodiphenylamine	10.598	169	556337	45.248	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	191389	45.039	ng	97
68) Hexachlorobenzene	11.033	284	209677	44.612	ng	99
69) Atrazine	11.121	200	163121	49.956	ng	98
70) Pentachlorophenol	11.233	266	230613	86.908	ng	99
71) Phenanthrene	11.451	178	840862	43.781	ng	100
72) Anthracene	11.504	178	862354	43.995	ng	100
73) Carbazole	11.657	167	753059	44.940	ng	99
74) Di-n-butylphthalate	11.980	149	877150	47.821	ng	100
75) Fluoranthene	12.639	202	797484	44.438	ng	98
77) Benzidine	12.757	184	347487	40.809	ng	99
78) Pyrene	12.868	202	793809	37.189	ng	99
80) Butylbenzylphthalate	13.480	149	304769	51.673	ng	99
81) Benzo(a)anthracene	14.057	228	682149	44.645	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	161271	34.799	ng	99
83) Chrysene	14.092	228	625549	45.563	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	420218	55.655	ng	99
85) Di-n-octyl phthalate	14.657	149	712180	48.240	ng	99
87) Indeno(1,2,3-cd)pyrene	17.074	276	891327	43.263	ng	99
88) Benzo(b)fluoranthene	15.121	252	704683	43.387	ng	98
89) Benzo(k)fluoranthene	15.151	252	698419	45.911	ng	98
90) Benzo(a)pyrene	15.498	252	704890	46.042	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	722055	43.212	ng	98
92) Benzo(g,h,i)perylene	17.539	276	713255	42.677	ng	99

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

Instrument :
BNA_F
ClientSampleId :
COMP-13MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025





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

Manual Integration Report

Sequence:	bf052025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF142469.D	Benzoic acid	Rahul	5/21/2025 2:07:30 PM	Jagrut	5/21/2025 4:43:55 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	bf060525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2194-03MS	BF142629.D	Benzoic acid	Rahul	6/6/2025 12:15:16 PM	Jagrut	6/6/2025 1:16:55 PM	Peak Integrated by Software
Q2194-03MS	BF142629.D	Caprolactam	Rahul	6/6/2025 12:15:16 PM	Jagrut	6/6/2025 1:16:55 PM	Peak Integrated by Software
Q2194-03MSD	BF142630.D	Caprolactam	Rahul	6/6/2025 12:15:18 PM	Jagrut	6/6/2025 1:16:58 PM	Peak Integrated by Software



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Manual Integration Report

Sequence:

BF060625

Instrument

BNA_f

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

BF061125

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF142714.D	2,3,4,6-Tetrachlorophen ol	Rahul	6/11/2025 9:18:06 AM	Jagrut	6/11/2025 9:58:06 AM	Peak Integrated by Software
SSTDICC080	BF142719.D	Caprolactam	Rahul	6/11/2025 9:18:10 AM	Jagrut	6/11/2025 9:58:02 AM	Peak Integrated by Software
PB168285BS	BF142727.D	Caprolactam	anahy	6/12/2025 9:39:49 AM	Jagrut	6/12/2025 11:37:36 AM	Peak Integrated by Software
PB168285BSD	BF142728.D	Caprolactam	anahy	6/12/2025 9:45:24 AM	Jagrut	6/12/2025 11:37:38 AM	Peak Integrated by Software



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Manual Integration Report

Sequence:	BF061225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

Manual Integration Report

Sequence:	BP060625	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024861.D	2,3,4,6-Tetrachlorophen ol	Rahul	6/9/2025 10:51:15 AM	Jagrut	6/9/2025 12:08:47 PM	Peak Integrated by Software
SSTDICC005	BP024861.D	4-Nitroaniline	Rahul	6/9/2025 10:51:15 AM	Jagrut	6/9/2025 12:08:47 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzaldehyde	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzo(b)fluoranthene	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzoic acid	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC020	BP024863.D	Benzaldehyde	Rahul	6/9/2025 10:51:20 AM	Jagrut	6/9/2025 12:08:52 PM	Peak Integrated by Software
SSTDICV040	BP024868.D	Benzaldehyde	Rahul	6/9/2025 10:51:26 AM	Jagrut	6/9/2025 12:08:55 PM	Peak Integrated by Software



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Manual Integration Report

Sequence:	BP061025	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2177-06	BP024899.D	Chrysene	anahy	6/11/2025 9:23:55 AM	Jagrut	6/11/2025 9:54:56 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BP061125

Instrument

BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024905.D	4-Nitroaniline	anahy	6/12/2025 9:29:15 AM	mohammad	6/13/2025 9:04:12 AM	Peak Integrated by Software
SSTDCCC040	BP024905.D	Indeno(1,2,3-cd)pyrene	anahy	6/12/2025 9:29:15 AM	mohammad	6/13/2025 9:04:12 AM	Peak Integrated by Software
Q2177-02DL	BP024917.D	Benzo(k)fluoranthene	anahy	6/12/2025 9:30:05 AM	mohammad	6/13/2025 9:04:12 AM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM
SubDirectory	BF052025	HP Acquire Method	BNA_F
		HP Processing Method	bf052025
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12665,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142465.D	20 May 2025 11:13	RC/JU	Ok
2	SSTDCCC040	BF142466.D	20 May 2025 11:41	RC/JU	Not Ok
3	SSTDICC2.5	BF142467.D	20 May 2025 12:10	RC/JU	Ok
4	SSTDICC005	BF142468.D	20 May 2025 12:38	RC/JU	Ok
5	SSTDICC010	BF142469.D	20 May 2025 13:07	RC/JU	Ok,M
6	SSTDICC020	BF142470.D	20 May 2025 13:36	RC/JU	Ok
7	SSTDICCC040	BF142471.D	20 May 2025 14:05	RC/JU	Ok
8	SSTDICC050	BF142472.D	20 May 2025 14:34	RC/JU	Ok
9	SSTDICC060	BF142473.D	20 May 2025 15:03	RC/JU	Ok
10	SSTDICC080	BF142474.D	20 May 2025 15:31	RC/JU	Ok
11	SSTDICV040	BF142475.D	20 May 2025 16:31	RC/JU	Ok
12	PB168067TB	BF142476.D	20 May 2025 17:29	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF060525

Review By	Rahul	Review On	6/6/2025 12:18:39 PM
Supervise By	Jagrut	Supervise On	6/6/2025 1:17:23 PM
SubDirectory	BF060525	HP Acquire Method	BNA_F
		HP Processing Method	bf052025
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12667,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142624.D	05 Jun 2025 09:07	RC/JU	Ok
2	SSTDCCC040	BF142625.D	05 Jun 2025 09:37	RC/JU	Ok
3	PB168285BL	BF142626.D	05 Jun 2025 11:04	RC/JU	Ok
4	Q2181-02	BF142627.D	05 Jun 2025 11:35	RC/JU	Ok
5	Q2194-03	BF142628.D	05 Jun 2025 12:08	RC/JU	Ok
6	Q2194-03MS	BF142629.D	05 Jun 2025 12:38	RC/JU	Ok,M
7	Q2194-03MSD	BF142630.D	05 Jun 2025 13:07	RC/JU	Ok,M
8	Q2185-05	BF142631.D	05 Jun 2025 13:37	RC/JU	Ok
9	Q2194-01	BF142632.D	05 Jun 2025 14:07	RC/JU	Ok
10	Q2199-01	BF142633.D	05 Jun 2025 14:37	RC/JU	Ok,M
11	Q2199-03	BF142634.D	05 Jun 2025 15:06	RC/JU	Ok,M
12	Q2199-05	BF142635.D	05 Jun 2025 15:36	RC/JU	Ok,M
13	Q2178-01DL	BF142636.D	05 Jun 2025 16:07	RC/JU	Dilution
14	Q2178-01DL2	BF142637.D	05 Jun 2025 16:38	RC/JU	Ok,M
15	SSTDCCC040	BF142638.D	05 Jun 2025 17:18	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM
SubDirectory	BF060625	HP Acquire Method	BNA_F
		HP Processing Method	bf052025
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12667,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142639.D	06 Jun 2025 11:01	RC/JU	Ok
2	SSTDCCC040	BF142640.D	06 Jun 2025 11:36	RC/JU	Ok
3	PB168259BL	BF142641.D	06 Jun 2025 12:06	RC/JU	Ok
4	Q2185-01	BF142642.D	06 Jun 2025 12:54	RC/JU	Ok
5	Q2207-37	BF142643.D	06 Jun 2025 13:24	RC/JU	Ok
6	Q2207-37MS	BF142644.D	06 Jun 2025 13:54	RC/JU	Ok
7	Q2207-37MSD	BF142645.D	06 Jun 2025 14:25	RC/JU	Ok
8	Q2219-01	BF142646.D	06 Jun 2025 14:58	RC/JU	Ok,M
9	Q2214-01	BF142647.D	06 Jun 2025 15:29	RC/JU	Ok
10	Q2208-19	BF142648.D	06 Jun 2025 16:00	RC/JU	Ok
11	Q2207-28	BF142649.D	06 Jun 2025 16:30	RC/JU	Ok
12	Q2176-07	BF142650.D	06 Jun 2025 17:01	RC/JU	Ok
13	Q2198-01	BF142651.D	06 Jun 2025 17:31	RC/JU	Ok
14	Q2177-04	BF142652.D	06 Jun 2025 18:01	RC/JU	Ok
15	Q2198-05	BF142653.D	06 Jun 2025 18:31	RC/JU	Ok
16	Q2207-10	BF142654.D	06 Jun 2025 19:02	RC/JU	Ok
17	Q2207-19	BF142655.D	06 Jun 2025 19:32	RC/JU	Ok
18	Q2208-10	BF142656.D	06 Jun 2025 20:02	RC/JU	Ok
19	Q2208-01	BF142657.D	06 Jun 2025 20:32	RC/JU	Ok
20	Q2177-08	BF142658.D	06 Jun 2025 21:02	RC/JU	Ok
21	Q2242-01	BF142659.D	06 Jun 2025 21:32	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM
SubDirectory	BF060625	HP Acquire Method	BNA_F
		HP Processing Method	bf052025
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12667,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2202-03	BF142660.D	06 Jun 2025 22:01	RC/JU	Dilution
23	Q2176-01	BF142661.D	06 Jun 2025 22:31	RC/JU	Ok
24	Q2208-28	BF142662.D	06 Jun 2025 23:01	RC/JU	Ok
25	DFTPP	BF142663.D	07 Jun 2025 00:32	RC/JU	Ok
26	SSTDCCC040	BF142664.D	07 Jun 2025 01:38	RC/JU	Ok
27	PB168300BL	BF142665.D	07 Jun 2025 02:08	RC/JU	Not Ok
28	PB168300BS	BF142666.D	07 Jun 2025 02:38	RC/JU	Not Ok
29	Q2226-01	BF142667.D	07 Jun 2025 03:08	RC/JU	ReRun
30	Q2207-01	BF142668.D	07 Jun 2025 03:38	RC/JU	ReRun
31	Q2198-03	BF142669.D	07 Jun 2025 04:08	RC/JU	ReRun
32	Q2176-03	BF142670.D	07 Jun 2025 04:38	RC/JU	ReRun
33	Q2176-05	BF142671.D	07 Jun 2025 05:07	RC/JU	ReRun
34	Q2125-07	BF142672.D	07 Jun 2025 05:36	RC/JU	ReRun
35	Q2176-02	BF142673.D	07 Jun 2025 06:05	RC/JU	ReRun
36	Q2227-01	BF142674.D	07 Jun 2025 06:35	RC/JU	ReRun
37	Q2228-01	BF142675.D	07 Jun 2025 07:03	RC/JU	ReRun
38	Q2241-01	BF142676.D	07 Jun 2025 07:32	RC/JU	ReRun
39	Q2241-05	BF142677.D	07 Jun 2025 08:02	RC/JU	ReRun
40	Q2244-01	BF142678.D	07 Jun 2025 08:31	RC/JU	ReRun
41	Q2244-01MS	BF142679.D	07 Jun 2025 09:00	RC/JU	Not Ok
42	Q2244-01MSD	BF142680.D	07 Jun 2025 09:29	RC/JU	Not Ok
43	Q2223-01	BF142681.D	07 Jun 2025 09:58	RC/JU	ReRun
44	Q2223-03	BF142682.D	07 Jun 2025 10:27	RC/JU	ReRun

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791			
CCC		SP6787			
Internal Standard/PEM		S12667,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

45	Q2224-01	BF142683.D	07 Jun 2025 10:57	RC/JU	ReRun
46	Q2225-01	BF142684.D	07 Jun 2025 11:26	RC/JU	ReRun
47	Q2206-01	BF142685.D	07 Jun 2025 11:54	RC/JU	ReRun
48	Q2195-01	BF142686.D	07 Jun 2025 12:23	RC/JU	ReRun

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM
SubDirectory	BF061125	HP Acquire Method	BNA_F
		HP Processing Method	BF061125
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12668,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142710.D	10 Jun 2025 15:42	RC/JU	Ok
2	SSTDCCC040	BF142711.D	10 Jun 2025 16:11	RC/JU	Not Ok
3	SSTDICC2.5	BF142712.D	10 Jun 2025 16:54	RC/JU	Ok
4	SSTDICC005	BF142713.D	10 Jun 2025 17:24	RC/JU	Ok
5	SSTDICC010	BF142714.D	10 Jun 2025 17:53	RC/JU	Ok,M
6	SSTDICC020	BF142715.D	10 Jun 2025 18:22	RC/JU	Ok
7	SSTDICCC040	BF142716.D	10 Jun 2025 18:52	RC/JU	Ok
8	SSTDICC050	BF142717.D	10 Jun 2025 19:21	RC/JU	Ok
9	SSTDICC060	BF142718.D	10 Jun 2025 19:50	RC/JU	Ok
10	SSTDICC080	BF142719.D	10 Jun 2025 20:19	RC/JU	Ok,M
11	SSTDICV040	BF142720.D	10 Jun 2025 20:49	RC/JU	Ok
12	PB168323BL	BF142721.D	10 Jun 2025 21:47	RC/JU	Ok
13	DFTPP	BF142722.D	11 Jun 2025 08:56	RC/JU	Ok
14	SSTDCCC040	BF142723.D	11 Jun 2025 09:24	RC/JU	Ok
15	PB168376BL	BF142724.D	11 Jun 2025 09:53	RC/JU	Ok
16	PB168376BS	BF142725.D	11 Jun 2025 10:22	RC/JU	Ok,M
17	PB168234BS	BF142726.D	11 Jun 2025 10:51	RC/JU	Ok,M
18	PB168285BS	BF142727.D	11 Jun 2025 11:21	RC/JU	Ok,M
19	PB168285BSD	BF142728.D	11 Jun 2025 11:50	RC/JU	Ok,M
20	PB168378BS	BF142729.D	11 Jun 2025 12:19	RC/JU	Ok,M
21	PB168378BSD	BF142730.D	11 Jun 2025 12:49	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM
SubDirectory	BF061125	HP Acquire Method	BNA_F
		HP Processing Method	BF061125
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12668,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB168378BL	BF142731.D	11 Jun 2025 13:18	RC/JU	Ok
23	Q2264-04	BF142732.D	11 Jun 2025 13:52	RC/JU	Ok
24	Q2268-10	BF142733.D	11 Jun 2025 14:21	RC/JU	Ok
25	Q2268-03	BF142734.D	11 Jun 2025 14:50	RC/JU	Dilution
26	Q2268-04MS	BF142735.D	11 Jun 2025 15:20	RC/JU	Ok,M
27	Q2268-05MSD	BF142736.D	11 Jun 2025 15:50	RC/JU	Ok
28	Q2268-06	BF142737.D	11 Jun 2025 16:19	RC/JU	Dilution
29	Q2268-07	BF142738.D	11 Jun 2025 16:49	RC/JU	Dilution
30	Q2268-08	BF142739.D	11 Jun 2025 17:19	RC/JU	Dilution
31	Q2273-01	BF142740.D	11 Jun 2025 17:49	RC/JU	Ok
32	Q2273-05	BF142741.D	11 Jun 2025 18:18	RC/JU	Ok
33	Q2273-05MS	BF142742.D	11 Jun 2025 18:48	RC/JU	Ok
34	Q2273-05MSD	BF142743.D	11 Jun 2025 19:18	RC/JU	Ok
35	Q2268-03DL	BF142744.D	11 Jun 2025 19:48	RC/JU	Ok
36	Q2268-03	BF142745.D	11 Jun 2025 20:17	RC/JU	Not Ok
37	Q2280-01	BF142746.D	11 Jun 2025 20:47	RC/JU	ReRun

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM
SubDirectory	BF061225	HP Acquire Method	BNA_F
		HP Processing Method	BF061125
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12668,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142747.D	12 Jun 2025 09:21	RC/JU	Ok
2	SSTDCCC040	BF142748.D	12 Jun 2025 09:50	RC/JU	Ok
3	PB168376BL	BF142749.D	12 Jun 2025 10:56	RC/JU	Ok
4	PB168259BS	BF142750.D	12 Jun 2025 11:25	RC/JU	Ok
5	PB168412BL	BF142751.D	12 Jun 2025 11:54	RC/JU	Ok
6	PB168412BS	BF142752.D	12 Jun 2025 12:24	RC/JU	Ok
7	Q2268-06DL	BF142753.D	12 Jun 2025 13:00	RC/JU	Ok
8	Q2268-07DL	BF142754.D	12 Jun 2025 13:29	RC/JU	Ok
9	Q2268-08DL	BF142755.D	12 Jun 2025 13:59	RC/JU	Ok
10	Q2280-01	BF142756.D	12 Jun 2025 14:29	RC/JU	Ok,M
11	Q2176-02	BF142757.D	12 Jun 2025 14:58	RC/JU	Ok
12	Q2287-01	BF142758.D	12 Jun 2025 15:28	RC/JU	Ok
13	Q2296-09	BF142759.D	12 Jun 2025 15:57	RC/JU	Ok
14	Q2296-09MS	BF142760.D	12 Jun 2025 16:27	RC/JU	Ok
15	Q2296-09MSD	BF142761.D	12 Jun 2025 16:57	RC/JU	Ok
16	Q2223-01	BF142762.D	12 Jun 2025 17:27	RC/JU	Ok
17	Q2223-03	BF142763.D	12 Jun 2025 17:57	RC/JU	Ok
18	Q2224-01	BF142764.D	12 Jun 2025 18:27	RC/JU	Ok,M
19	Q2225-01	BF142765.D	12 Jun 2025 18:57	RC/JU	Ok,M
20	Q2206-01	BF142766.D	12 Jun 2025 19:26	RC/JU	Ok,M
21	Q2195-01	BF142767.D	12 Jun 2025 19:56	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM
SubDirectory	BF061225	HP Acquire Method	BNA_F
		HP Processing Method	BF061125
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12668,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2283-01	BF142768.D	12 Jun 2025 20:26	RC/JU	Ok,M
23	Q2278-01	BF142769.D	12 Jun 2025 20:56	RC/JU	Ok
24	Q2286-01	BF142770.D	12 Jun 2025 21:25	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP060625

Review By	Rahul	Review On	6/9/2025 11:36:10 AM
Supervise By	Jagrut	Supervise On	6/9/2025 12:09:52 PM
SubDirectory	BP060625	HP Acquire Method	BNA_P
		HP Processing Method	BP060625
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12667,10ul/1000ul sample		
ICV/I.BLK	SP6796		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024859.D	06 Jun 2025 09:49	RC/JU	Ok
2	SSTDICC2.5	BP024860.D	06 Jun 2025 10:30	RC/JU	Ok
3	SSTDICC005	BP024861.D	06 Jun 2025 11:11	RC/JU	Ok,M
4	SSTDICC010	BP024862.D	06 Jun 2025 11:52	RC/JU	Ok,M
5	SSTDICC020	BP024863.D	06 Jun 2025 12:33	RC/JU	Ok,M
6	SSTDICCC040	BP024864.D	06 Jun 2025 13:14	RC/JU	Ok
7	SSTDICC050	BP024865.D	06 Jun 2025 13:56	RC/JU	Ok
8	SSTDICC060	BP024866.D	06 Jun 2025 14:37	RC/JU	Ok
9	SSTDICC080	BP024867.D	06 Jun 2025 15:18	RC/JU	Ok
10	SSTDICV040	BP024868.D	06 Jun 2025 17:09	RC/JU	Ok,M
11	PB168259BL	BP024869.D	06 Jun 2025 17:50	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP061025

Review By	anahy	Review On	6/11/2025 9:57:08 AM
Supervise By	Jagrut	Supervise On	6/11/2025 9:57:38 AM
SubDirectory	BP061025	HP Acquire Method	BNA_P
		HP Processing Method	BP060625
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12667,10ul/1000ul sample		
ICV/I.BLK	SP6796		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024887.D	10 Jun 2025 10:12	RC/JU	Ok
2	SSTDCCC040	BP024888.D	10 Jun 2025 10:53	RC/JU	Ok
3	PB168321BL	BP024889.D	10 Jun 2025 11:33	RC/JU	Ok
4	PB168321BS	BP024890.D	10 Jun 2025 12:14	RC/JU	Ok
5	Q2266-01	BP024891.D	10 Jun 2025 13:02	RC/JU	Ok
6	Q2265-01	BP024892.D	10 Jun 2025 13:43	RC/JU	Ok
7	Q2266-08RE	BP024893.D	10 Jun 2025 14:24	RC/JU	Confirms
8	Q2176-08	BP024894.D	10 Jun 2025 15:05	RC/JU	Ok
9	Q2177-02	BP024895.D	10 Jun 2025 15:46	RC/JU	Dilution
10	Q2161-02	BP024896.D	10 Jun 2025 16:27	RC/JU	Ok
11	Q2176-06	BP024897.D	10 Jun 2025 17:08	RC/JU	Ok
12	Q2246-01	BP024898.D	10 Jun 2025 17:49	RC/JU	Ok,M
13	Q2177-06	BP024899.D	10 Jun 2025 18:30	RC/JU	Ok,M
14	Q2240-09	BP024900.D	10 Jun 2025 19:10	RC/JU	Ok,M
15	Q2176-04	BP024901.D	10 Jun 2025 19:51	RC/JU	Ok,M
16	Q2161-01	BP024902.D	10 Jun 2025 20:32	RC/JU	Ok
17	Q2240-05	BP024903.D	10 Jun 2025 21:13	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP061125

Review By	anahy	Review On	6/12/2025 9:31:34 AM
Supervise By	mohammad	Supervise On	6/13/2025 9:04:12 AM
SubDirectory	BP061125	HP Acquire Method	BNA_P
		HP Processing Method	BP060625
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12668,10ul/1000ul sample		
ICV/I.BLK	SP6796		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024904.D	11 Jun 2025 09:29	RC/JU	Ok
2	SSTDCCC040	BP024905.D	11 Jun 2025 10:09	RC/JU	Ok,M
3	PB168300BL	BP024906.D	11 Jun 2025 10:50	RC/JU	Ok
4	PB168300BS	BP024907.D	11 Jun 2025 11:31	RC/JU	Ok
5	Q2176-03	BP024908.D	11 Jun 2025 12:18	RC/JU	Ok
6	Q2176-05	BP024909.D	11 Jun 2025 12:59	RC/JU	Ok
7	Q2207-01	BP024910.D	11 Jun 2025 13:40	RC/JU	Ok
8	Q2227-01	BP024911.D	11 Jun 2025 14:21	RC/JU	Ok
9	Q2228-01	BP024912.D	11 Jun 2025 15:02	RC/JU	Ok
10	Q2226-01	BP024913.D	11 Jun 2025 15:43	RC/JU	Ok
11	Q2244-01	BP024914.D	11 Jun 2025 16:24	RC/JU	Ok
12	Q2244-01MS	BP024915.D	11 Jun 2025 17:05	RC/JU	Ok
13	Q2244-01MSD	BP024916.D	11 Jun 2025 17:46	RC/JU	Ok
14	Q2177-02DL	BP024917.D	11 Jun 2025 18:27	RC/JU	Ok,M
15	Q2241-01	BP024918.D	11 Jun 2025 19:08	RC/JU	Ok
16	Q2198-03	BP024919.D	11 Jun 2025 19:49	RC/JU	Ok,M
17	Q2125-07	BP024920.D	11 Jun 2025 20:30	RC/JU	Ok
18	Q2241-05	BP024921.D	11 Jun 2025 21:11	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM		
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM		
SubDirectory	BF052025	HP Acquire Method	BNA_F	HP Processing Method	bf052025
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791			
CCC		SP6787			
Internal Standard/PEM		S12665,10ul/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	BF142465.D	20 May 2025 11:13		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142466.D	20 May 2025 11:41	Fresh Calibration Required	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF142467.D	20 May 2025 12:10		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF142468.D	20 May 2025 12:38	Compound #32,54,85 removed from 5ppm	RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF142469.D	20 May 2025 13:07		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF142470.D	20 May 2025 13:36		RC/JU	Ok
7	SSTDICCC040	SSTDICCC040	BF142471.D	20 May 2025 14:05	This calibration is good for both the methods, 8270E DOD and 625.1.	RC/JU	Ok
8	SSTDICC050	SSTDICC050	BF142472.D	20 May 2025 14:34		RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF142473.D	20 May 2025 15:03		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF142474.D	20 May 2025 15:31		RC/JU	Ok
11	SSTDICV040	ICVBF052025	BF142475.D	20 May 2025 16:31		RC/JU	Ok
12	PB168067TB	PB168067TB	BF142476.D	20 May 2025 17:29		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF060525

Review By	Rahul	Review On	6/6/2025 12:18:39 PM		
Supervise By	Jagrut	Supervise On	6/6/2025 1:17:23 PM		
SubDirectory	BF060525	HP Acquire Method	BNA_F	HP Processing Method	bf052025
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791			
CCC		SP6787			
Internal Standard/PEM		S12667,10ul/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	BF142624.D	05 Jun 2025 09:07		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142625.D	05 Jun 2025 09:37		RC/JU	Ok
3	PB168285BL	PB168285BL	BF142626.D	05 Jun 2025 11:04		RC/JU	Ok
4	Q2181-02	38073-032124	BF142627.D	05 Jun 2025 11:35	PT Sample	RC/JU	Ok
5	Q2194-03	COMP-13	BF142628.D	05 Jun 2025 12:08		RC/JU	Ok
6	Q2194-03MS	COMP-13MS	BF142629.D	05 Jun 2025 12:38		RC/JU	Ok,M
7	Q2194-03MSD	COMP-13MSD	BF142630.D	05 Jun 2025 13:07		RC/JU	Ok,M
8	Q2185-05	TP01-MHA-WC	BF142631.D	05 Jun 2025 13:37		RC/JU	Ok
9	Q2194-01	COMP-12	BF142632.D	05 Jun 2025 14:07		RC/JU	Ok
10	Q2199-01	ETGI-343	BF142633.D	05 Jun 2025 14:37		RC/JU	Ok,M
11	Q2199-03	VNJ-231	BF142634.D	05 Jun 2025 15:06		RC/JU	Ok,M
12	Q2199-05	72-11978	BF142635.D	05 Jun 2025 15:36		RC/JU	Ok,M
13	Q2178-01DL	RT2929DL	BF142636.D	05 Jun 2025 16:07	Internal Standard Fail, Need furthered 2X dilution	RC/JU	Dilution
14	Q2178-01DL2	RT2929DL2	BF142637.D	05 Jun 2025 16:38	Internal Standard Fail	RC/JU	Ok,M
15	SSTDCCC040	SSTDCCC040EC	BF142638.D	05 Jun 2025 17:18		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791			
CCC		SP6787			
Internal Standard/PEM		S12667,10ul/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	BF142639.D	06 Jun 2025 11:01		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142640.D	06 Jun 2025 11:36		RC/JU	Ok
3	PB168259BL	PB168259BL	BF142641.D	06 Jun 2025 12:06		RC/JU	Ok
4	Q2185-01	TP02-MHB-WC	BF142642.D	06 Jun 2025 12:54		RC/JU	Ok
5	Q2207-37	BU-703-COMP-05	BF142643.D	06 Jun 2025 13:24		RC/JU	Ok
6	Q2207-37MS	BU-703-COMP-05MS	BF142644.D	06 Jun 2025 13:54		RC/JU	Ok
7	Q2207-37MSD	BU-703-COMP-05MSD	BF142645.D	06 Jun 2025 14:25		RC/JU	Ok
8	Q2219-01	72-11995	BF142646.D	06 Jun 2025 14:58		RC/JU	Ok,M
9	Q2214-01	RBR251425	BF142647.D	06 Jun 2025 15:29		RC/JU	Ok
10	Q2208-19	BU-703-COMP-08	BF142648.D	06 Jun 2025 16:00		RC/JU	Ok
11	Q2207-28	BU-703-COMP-04	BF142649.D	06 Jun 2025 16:30		RC/JU	Ok
12	Q2176-07	TP-31	BF142650.D	06 Jun 2025 17:01		RC/JU	Ok
13	Q2198-01	B-202-SB02	BF142651.D	06 Jun 2025 17:31		RC/JU	Ok
14	Q2177-04	B-187-SB02	BF142652.D	06 Jun 2025 18:01		RC/JU	Ok
15	Q2198-05	B-202-GW01	BF142653.D	06 Jun 2025 18:31		RC/JU	Ok
16	Q2207-10	BU-703-COMP-02	BF142654.D	06 Jun 2025 19:02		RC/JU	Ok
17	Q2207-19	BU-703-COMP-03	BF142655.D	06 Jun 2025 19:32		RC/JU	Ok
18	Q2208-10	BU-703-COMP-07	BF142656.D	06 Jun 2025 20:02		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791			
CCC		SP6787			
Internal Standard/PEM		S12667,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2208-01	BU-703-COMP-06	BF142657.D	06 Jun 2025 20:32		RC/JU	Ok
20	Q2177-08	EB05312025	BF142658.D	06 Jun 2025 21:02		RC/JU	Ok
21	Q2242-01	TP09-MHJ	BF142659.D	06 Jun 2025 21:32		RC/JU	Ok
22	Q2202-03	MW-12-20250603	BF142660.D	06 Jun 2025 22:01	Need 10X Dilution	RC/JU	Dilution
23	Q2176-01	TP-46	BF142661.D	06 Jun 2025 22:31		RC/JU	Ok
24	Q2208-28	BU-703-COMP-09	BF142662.D	06 Jun 2025 23:01		RC/JU	Ok
25	DFTPP	DFTPP	BF142663.D	07 Jun 2025 00:32		RC/JU	Ok
26	SSTDCCC040	SSTDCCC040	BF142664.D	07 Jun 2025 01:38	CCC fail high for compounds #41,54,56,70,84 and failed low for compounds # 78,79,87,91,92.	RC/JU	Ok
27	PB168300BL	PB168300BL	BF142665.D	07 Jun 2025 02:08	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
28	PB168300BS	PB168300BS	BF142666.D	07 Jun 2025 02:38	CCC fail low for compound # 78,79,87,91,92. Also #92 Recovery fail low side.	RC/JU	Not Ok
29	Q2226-01	TP06-MHI-WC	BF142667.D	07 Jun 2025 03:08	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
30	Q2207-01	BU-703-COMP-01	BF142668.D	07 Jun 2025 03:38	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
31	Q2198-03	B-207-SB02	BF142669.D	07 Jun 2025 04:08	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
32	Q2176-03	TP-25	BF142670.D	07 Jun 2025 04:38	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
33	Q2176-05	TP-28	BF142671.D	07 Jun 2025 05:07	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
34	Q2125-07	GSB3	BF142672.D	07 Jun 2025 05:36	CCC fail low for compound #79	RC/JU	ReRun

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791			
CCC		SP6787			
Internal Standard/PEM		S12667,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

35	Q2176-02	TP-56	BF142673.D	07 Jun 2025 06:05	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
36	Q2227-01	TP07-MHH-WC	BF142674.D	07 Jun 2025 06:35	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
37	Q2228-01	TP08-MHI-WC	BF142675.D	07 Jun 2025 07:03	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
38	Q2241-01	TP-N	BF142676.D	07 Jun 2025 07:32	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
39	Q2241-05	TP-S	BF142677.D	07 Jun 2025 08:02	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
40	Q2244-01	TP03-MHC	BF142678.D	07 Jun 2025 08:31	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
41	Q2244-01MS	TP03-MHCMS	BF142679.D	07 Jun 2025 09:00	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
42	Q2244-01MSD	TP03-MHCMSD	BF142680.D	07 Jun 2025 09:29	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
43	Q2223-01	HR-01-06042025	BF142681.D	07 Jun 2025 09:58	CCC fail low for compound # 78,79,87,91,92. Need Straight Run	RC/JU	ReRun
44	Q2223-03	HR-04-06042025	BF142682.D	07 Jun 2025 10:27	CCC fail low for compound # 78,79,87,91,92. Need Straight Run	RC/JU	ReRun
45	Q2224-01	EO-01-06042025	BF142683.D	07 Jun 2025 10:57	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
46	Q2225-01	SU-03-06042025	BF142684.D	07 Jun 2025 11:26	CCC fail low for compound # 78,79,87,91,92. Internal Standard Fail	RC/JU	ReRun
47	Q2206-01	TP-1	BF142685.D	07 Jun 2025 11:54	CCC fail low for compound # 78,79,87,91,92. Need Straight Run	RC/JU	ReRun
48	Q2195-01	OK-01-060325	BF142686.D	07 Jun 2025 12:23	CCC fail low for compound # 78,79,87,91,92. Internal Standard Fail	RC/JU	ReRun

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791				
CCC	SP6787				
Internal Standard/PEM	S12667,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791			
CCC		SP6787			
Internal Standard/PEM		S12668,10ul/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	BF142710.D	10 Jun 2025 15:42		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142711.D	10 Jun 2025 16:11	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF142712.D	10 Jun 2025 16:54		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF142713.D	10 Jun 2025 17:24		RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF142714.D	10 Jun 2025 17:53		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF142715.D	10 Jun 2025 18:22		RC/JU	Ok
7	SSTDICCC040	SSTDICCC040	BF142716.D	10 Jun 2025 18:52	Calibration is Good for 8270 E, 8270 DOD and 625.1 methods.	RC/JU	Ok
8	SSTDICC050	SSTDICC050	BF142717.D	10 Jun 2025 19:21		RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF142718.D	10 Jun 2025 19:50		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF142719.D	10 Jun 2025 20:19	Compound #09 removed from 80 PPM.	RC/JU	Ok,M
11	SSTDICV040	ICVBF061125	BF142720.D	10 Jun 2025 20:49		RC/JU	Ok
12	PB168323BL	PB168323BL	BF142721.D	10 Jun 2025 21:47		RC/JU	Ok
13	DFTPP	DFTPP	BF142722.D	11 Jun 2025 08:56		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF142723.D	11 Jun 2025 09:24		RC/JU	Ok
15	PB168376BL	PB168376BL	BF142724.D	11 Jun 2025 09:53		RC/JU	Ok
16	PB168376BS	PB168376BS	BF142725.D	11 Jun 2025 10:22		RC/JU	Ok,M
17	PB168234BS	PB168234BS	BF142726.D	11 Jun 2025 10:51		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791				
CCC	SP6787				
Internal Standard/PEM	S12668,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	PB168285BS	PB168285BS	BF142727.D	11 Jun 2025 11:21		RC/JU	Ok,M
19	PB168285BSD	PB168285BSD	BF142728.D	11 Jun 2025 11:50		RC/JU	Ok,M
20	PB168378BS	PB168378BS	BF142729.D	11 Jun 2025 12:19		RC/JU	Ok,M
21	PB168378BSD	PB168378BSD	BF142730.D	11 Jun 2025 12:49		RC/JU	Ok,M
22	PB168378BL	PB168378BL	BF142731.D	11 Jun 2025 13:18		RC/JU	Ok
23	Q2264-04	EF-WW	BF142732.D	11 Jun 2025 13:52	Surrogate and Internal Standard Failed	RC/JU	Ok
24	Q2268-10	FB-20250605	BF142733.D	11 Jun 2025 14:21		RC/JU	Ok
25	Q2268-03	MW-2-20250605	BF142734.D	11 Jun 2025 14:50	Need 2X Dilution	RC/JU	Dilution
26	Q2268-04MS	MW-2-20250605MS	BF142735.D	11 Jun 2025 15:20		RC/JU	Ok,M
27	Q2268-05MSD	MW-2-20250605MSD	BF142736.D	11 Jun 2025 15:50		RC/JU	Ok
28	Q2268-06	MW-2-20250605-A	BF142737.D	11 Jun 2025 16:19	Need 2X Dilution	RC/JU	Dilution
29	Q2268-07	MW-6-20250605	BF142738.D	11 Jun 2025 16:49	Internal Standard Fail, Need 2X Dilution	RC/JU	Dilution
30	Q2268-08	MW-3-20250605	BF142739.D	11 Jun 2025 17:19	Internal Standard Fail, Need 2X Dilution	RC/JU	Dilution
31	Q2273-01	WC-4	BF142740.D	11 Jun 2025 17:49		RC/JU	Ok
32	Q2273-05	WC-6	BF142741.D	11 Jun 2025 18:18		RC/JU	Ok
33	Q2273-05MS	WC-6MS	BF142742.D	11 Jun 2025 18:48		RC/JU	Ok
34	Q2273-05MSD	WC-6MSD	BF142743.D	11 Jun 2025 19:18		RC/JU	Ok
35	Q2268-03DL	MW-2-20250605DL	BF142744.D	11 Jun 2025 19:48		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q2268-03	MW-2-20250605	BF142745.D	11 Jun 2025 20:17	Already analyzed with OK status	RC/JU	Not Ok
37	Q2280-01	VNJ-210	BF142746.D	11 Jun 2025 20:47	Internal standard fail	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM		
SubDirectory	BF061225	HP Acquire Method	BNA_F	HP Processing Method	BF061125
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791			
CCC		SP6787			
Internal Standard/PEM		S12668,10ul/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	BF142747.D	12 Jun 2025 09:21		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142748.D	12 Jun 2025 09:50		RC/JU	Ok
3	PB168376BL	PB168376BL	BF142749.D	12 Jun 2025 10:56		RC/JU	Ok
4	PB168259BS	PB168259BS	BF142750.D	12 Jun 2025 11:25		RC/JU	Ok
5	PB168412BL	PB168412BL	BF142751.D	12 Jun 2025 11:54		RC/JU	Ok
6	PB168412BS	PB168412BS	BF142752.D	12 Jun 2025 12:24		RC/JU	Ok
7	Q2268-06DL	MW-2-20250605-ADL	BF142753.D	12 Jun 2025 13:00		RC/JU	Ok
8	Q2268-07DL	MW-6-20250605DL	BF142754.D	12 Jun 2025 13:29		RC/JU	Ok
9	Q2268-08DL	MW-3-20250605DL	BF142755.D	12 Jun 2025 13:59		RC/JU	Ok
10	Q2280-01	VNJ-210	BF142756.D	12 Jun 2025 14:29		RC/JU	Ok,M
11	Q2176-02	TP-56	BF142757.D	12 Jun 2025 14:58		RC/JU	Ok
12	Q2287-01	CONCRETE-SLAB	BF142758.D	12 Jun 2025 15:28		RC/JU	Ok
13	Q2296-09	WC-3	BF142759.D	12 Jun 2025 15:57		RC/JU	Ok
14	Q2296-09MS	WC-3MS	BF142760.D	12 Jun 2025 16:27		RC/JU	Ok
15	Q2296-09MSD	WC-3MSD	BF142761.D	12 Jun 2025 16:57		RC/JU	Ok
16	Q2223-01	HR-01-06042025	BF142762.D	12 Jun 2025 17:27		RC/JU	Ok
17	Q2223-03	HR-04-06042025	BF142763.D	12 Jun 2025 17:57		RC/JU	Ok
18	Q2224-01	EO-01-06042025	BF142764.D	12 Jun 2025 18:27		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM		
SubDirectory	BF061225	HP Acquire Method	BNA_F	HP Processing Method	BF061125
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791				
CCC	SP6787				
Internal Standard/PEM	S12668,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2225-01	SU-03-06042025	BF142765.D	12 Jun 2025 18:57		RC/JU	Ok,M
20	Q2206-01	TP-1	BF142766.D	12 Jun 2025 19:26		RC/JU	Ok,M
21	Q2195-01	OK-01-060325	BF142767.D	12 Jun 2025 19:56		RC/JU	Ok,M
22	Q2283-01	MOO-25-0166-MOO-25	BF142768.D	12 Jun 2025 20:26		RC/JU	Ok,M
23	Q2278-01	TP-2	BF142769.D	12 Jun 2025 20:56		RC/JU	Ok
24	Q2286-01	LAW-25-0082-LAW-25	BF142770.D	12 Jun 2025 21:25	Out of Tune time.	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP060625

Review By	Rahul	Review On	6/9/2025 11:36:10 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:09:52 PM		
SubDirectory	BP060625	HP Acquire Method	BNA_P	HP Processing Method	BP060625
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791				
CCC	SP6787				
Internal Standard/PEM	S12667,10ul/1000ul sample				
ICV/I.BLK	SP6796				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024859.D	06 Jun 2025 09:49		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024860.D	06 Jun 2025 10:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024861.D	06 Jun 2025 11:11		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024862.D	06 Jun 2025 11:52		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024863.D	06 Jun 2025 12:33	Calibration is Good for 8270 E, 8270 DOD and 625.1 methods.	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024864.D	06 Jun 2025 13:14	Compound#54 & 56 are Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024865.D	06 Jun 2025 13:56		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BP024866.D	06 Jun 2025 14:37		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP024867.D	06 Jun 2025 15:18		RC/JU	Ok
10	SSTDICV040	ICVBP060625	BP024868.D	06 Jun 2025 17:09		RC/JU	Ok,M
11	PB168259BL	PB168259BL	BP024869.D	06 Jun 2025 17:50		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP061025

Review By	anahy	Review On	6/11/2025 9:57:08 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:57:38 AM		
SubDirectory	BP061025	HP Acquire Method	BNA_P	HP Processing Method	BP060625
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791			
CCC		SP6787			
Internal Standard/PEM		S12667,10ul/1000ul sample			
ICV/I.BLK		SP6796			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024887.D	10 Jun 2025 10:12		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024888.D	10 Jun 2025 10:53		RC/JU	Ok
3	PB168321BL	PB168321BL	BP024889.D	10 Jun 2025 11:33		RC/JU	Ok
4	PB168321BS	PB168321BS	BP024890.D	10 Jun 2025 12:14		RC/JU	Ok
5	Q2266-01	WC-3	BP024891.D	10 Jun 2025 13:02		RC/JU	Ok
6	Q2265-01	TP11-MHL-WC	BP024892.D	10 Jun 2025 13:43		RC/JU	Ok
7	Q2266-08RE	WC-5RE	BP024893.D	10 Jun 2025 14:24	Internal Standard Fail and Surrogate fail	RC/JU	Confirms
8	Q2176-08	TP-65	BP024894.D	10 Jun 2025 15:05		RC/JU	Ok
9	Q2177-02	B-187-SB01	BP024895.D	10 Jun 2025 15:46	Need 5X Dilution	RC/JU	Dilution
10	Q2161-02	B28-SOIL-SAMPLE	BP024896.D	10 Jun 2025 16:27	Surrogate Fail	RC/JU	Ok
11	Q2176-06	TP-27	BP024897.D	10 Jun 2025 17:08		RC/JU	Ok
12	Q2246-01	BU-03-060525	BP024898.D	10 Jun 2025 17:49		RC/JU	Ok,M
13	Q2177-06	B-202-SB01	BP024899.D	10 Jun 2025 18:30		RC/JU	Ok,M
14	Q2240-09	TP-1	BP024900.D	10 Jun 2025 19:10		RC/JU	Ok,M
15	Q2176-04	TP-26	BP024901.D	10 Jun 2025 19:51		RC/JU	Ok,M
16	Q2161-01	B27-SOIL-SAMPLE	BP024902.D	10 Jun 2025 20:32		RC/JU	Ok
17	Q2240-05	TP-2	BP024903.D	10 Jun 2025 21:13		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP061125

Review By	anahy	Review On	6/12/2025 9:31:34 AM
Supervise By	mohammad	Supervise On	6/13/2025 9:04:12 AM
SubDirectory	BP061125	HP Acquire Method	BNA_P
		HP Processing Method	BP060625
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12668,10ul/1000ul sample		
ICV/I.BLK	SP6796		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024904.D	11 Jun 2025 09:29		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024905.D	11 Jun 2025 10:09		RC/JU	Ok,M
3	PB168300BL	PB168300BL	BP024906.D	11 Jun 2025 10:50		RC/JU	Ok
4	PB168300BS	PB168300BS	BP024907.D	11 Jun 2025 11:31		RC/JU	Ok
5	Q2176-03	TP-25	BP024908.D	11 Jun 2025 12:18		RC/JU	Ok
6	Q2176-05	TP-28	BP024909.D	11 Jun 2025 12:59		RC/JU	Ok
7	Q2207-01	BU-703-COMP-01	BP024910.D	11 Jun 2025 13:40		RC/JU	Ok
8	Q2227-01	TP07-MHH-WC	BP024911.D	11 Jun 2025 14:21		RC/JU	Ok
9	Q2228-01	TP08-MHI-WC	BP024912.D	11 Jun 2025 15:02		RC/JU	Ok
10	Q2226-01	TP06-MHI-WC	BP024913.D	11 Jun 2025 15:43		RC/JU	Ok
11	Q2244-01	TP03-MHC	BP024914.D	11 Jun 2025 16:24		RC/JU	Ok
12	Q2244-01MS	TP03-MHCMS	BP024915.D	11 Jun 2025 17:05		RC/JU	Ok
13	Q2244-01MSD	TP03-MHCMSD	BP024916.D	11 Jun 2025 17:46		RC/JU	Ok
14	Q2177-02DL	B-187-SB01DL	BP024917.D	11 Jun 2025 18:27		RC/JU	Ok,M
15	Q2241-01	TP-N	BP024918.D	11 Jun 2025 19:08		RC/JU	Ok
16	Q2198-03	B-207-SB02	BP024919.D	11 Jun 2025 19:49		RC/JU	Ok,M
17	Q2125-07	GSB3	BP024920.D	11 Jun 2025 20:30		RC/JU	Ok
18	Q2241-05	TP-S	BP024921.D	11 Jun 2025 21:11		RC/JU	Ok

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP061125

Review By	anahy	Review On	6/12/2025 9:31:34 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:12 AM		
SubDirectory	BP061125	HP Acquire Method	BNA_P	HP Processing Method	BP060625
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791				
CCC	SP6787				
Internal Standard/PEM	S12668,10ul/1000ul sample				
ICV/I.BLK	SP6796				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration

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SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A **Extraction Start Date :** 06/04/2025

Matrix : Solid **Extraction Start Time :** 12:45

Welgh By: EH **Extraction By:** RJ **Extraction End Date :** 06/04/2025

Balance check: RJ **Filter By:** RJ **Extraction End Time :** 15:55

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,7 **Supervisor By :** RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6794
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2620
Sand	N/A	E2865
Methylene Chloride	N/A	E3939
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vail Lot # 2210443.

KD Bath ID: N/A **Envap ID:** NEVAP-02

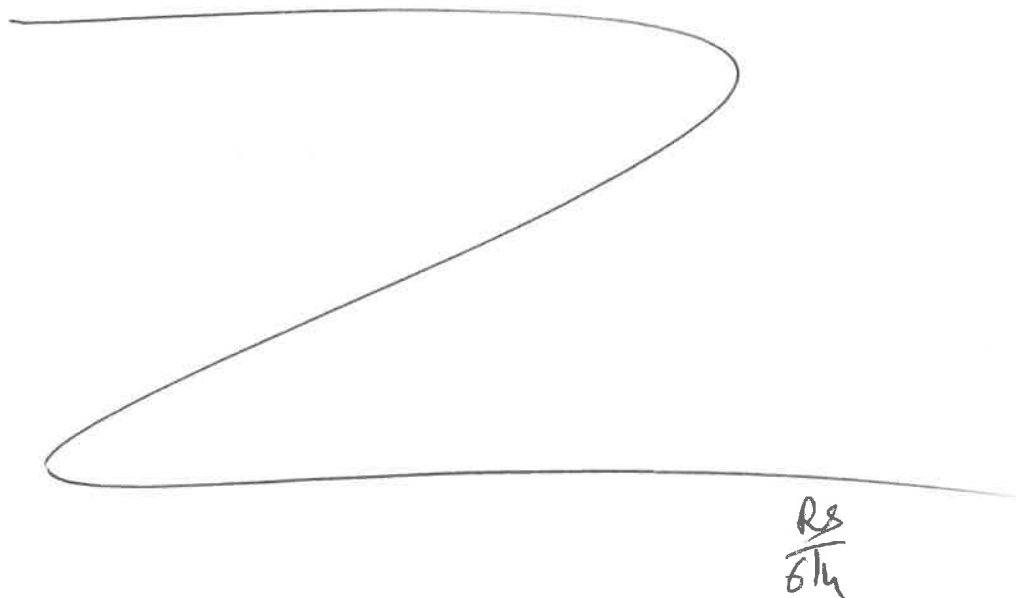
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/4/25	RS (Ext-Lab)	RL/SVOC
16:00	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 06/04/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168259BL	SBLK259	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U6-1
PB168259BS	SLCS259	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q2177-02	B-187-SB01	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	F		3
Q2177-04	B-187-SB02	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	F		4
Q2177-06	B-202-SB01	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	F		5
Q2178-01	RT2929	SVOC-PAH	50.02	N/A	ritesh	Evelyn	1	B	Concete	6
Q2182-01	OR-03-06022025	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		U1-1
Q2194-01	COMP-12	SVOC-TCL BNA -20	50.09	N/A	ritesh	Evelyn	1	D		2
Q2194-03	COMP-13	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	D		3
Q2194-03MS	COMP-13MS	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	D		4
Q2194-03MS D	COMP-13MSD	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	D		5
Q2195-01	OK-01-060325	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	E		6
Q2199-01	ETGI-343	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		U2-1
Q2199-03	VNJ-231	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		2
Q2199-05	72-11978	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		3



168289
12:10:5

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2199 WorkList ID : 189935 Department : Extraction Date : 06-04-2025 12:40:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2177-02	B-187-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	05/31/2025	8270E
Q2177-04	B-187-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	05/31/2025	8270E
Q2177-06	B-202-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	05/31/2025	8270E
Q2178-01	RT2929	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	L41	06/02/2025	8270E
Q2182-01	OR-03-06022025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	N11	06/02/2025	8270E
Q2194-01	COMP-12	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	06/03/2025	8270E
Q2194-03	COMP-13	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	06/03/2025	8270E
Q2195-01	OK-01-060325	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L31	06/03/2025	8270E
Q2199-01	ETGI-343	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N31	06/03/2025	8270E
Q2199-03	VNJ-231	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N31	06/03/2025	8270E
Q2199-05	72-11978	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N31	06/03/2025	8270E

Date/Time 6/4/25 12:10
Raw Sample Received by: RJ (Ext-66)
Raw Sample Relinquished by: Rm Sm

Date/Time 6/4/25 13:10
Raw Sample Received by: Rm Sm
Raw Sample Relinquished by: RJ (Ext-66)

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A **Extraction Start Date :** 06/04/2025

Matrix : Water **Extraction Start Time :** 11:45

Weigh By: N/A **Extraction By:** RS **Extraction End Date :** 06/04/2025

Balance check: N/A **Filter By:** RJ **Extraction End Time :** 16:40

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

pH Strip Lot#: E3880 **Hood ID:** 4,6,7 **Supervisor By :** RUPESH

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6794
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3939
Baked Na2SO4	N/A	EP2620
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH, Q2177-08 Split volume.

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

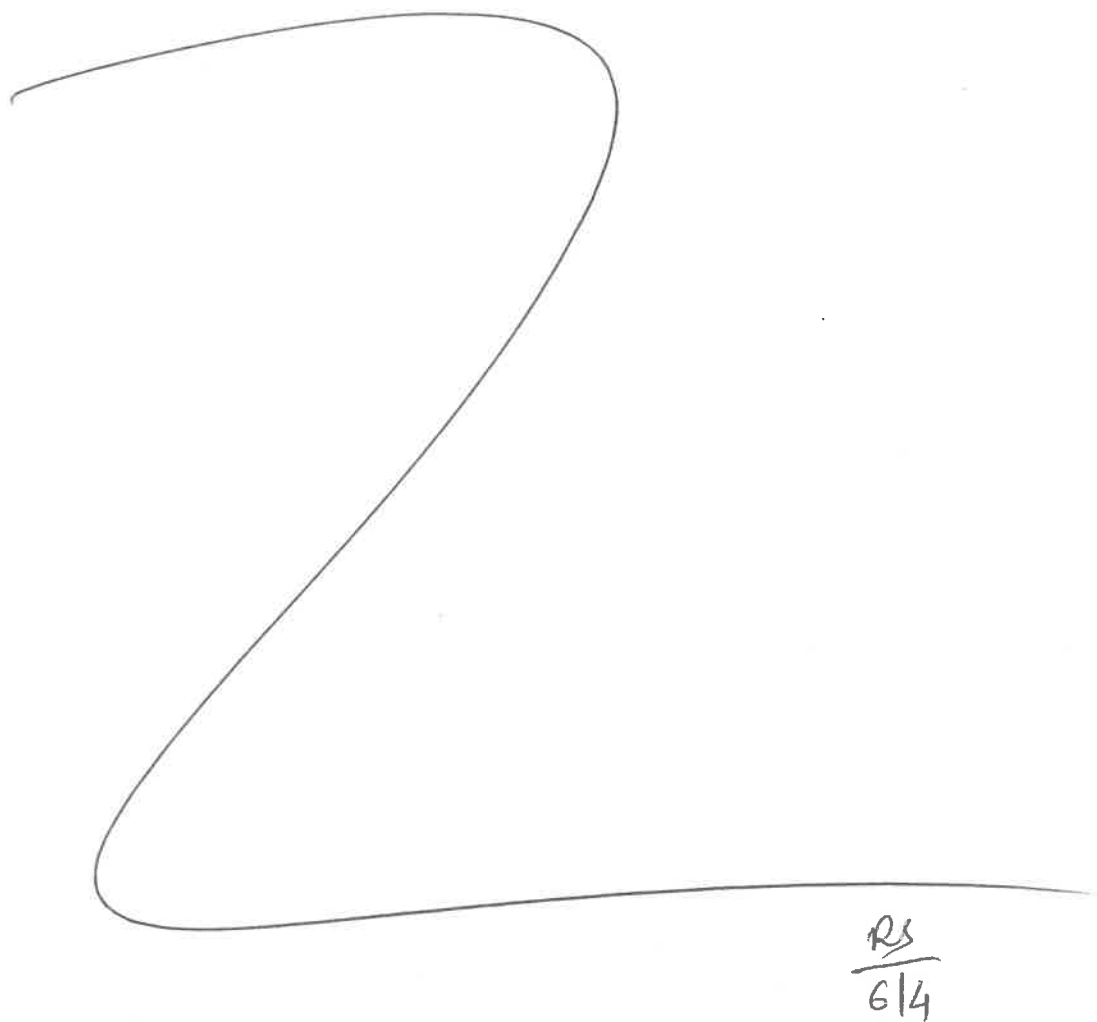
KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/4/25	RS (Ext Lab)	Rclsvoc
16:45	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 06/04/2025

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168285BL	SBLK285	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB168285BS	SLCS285	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB168285BS D	SLCSD285	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q2177-08	EB05312025	SVOC-TCL BNA -20	490	6	RUPESH	ritesh	0.5	F		4
Q2181-02	38073-032124	SVOCMS Group2	1000	6	RUPESH	ritesh	1			5
Q2198-05	B-202-GW01	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	F		6



RS
6/4

1682825
11:11:25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2177 WorkList ID : 189930 Department : Extraction Date : 06-04-2025 11:38:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2177-08	EB05312025	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	05/31/2025	8270E
Q2181-02	38073-032124	Water	SVOCMS Group2	Cool 4 deg C	ALLI03	QA Of	05/30/2025	8270E
Q2198-05	B-202-GW01	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N22	05/31/2025	8270E

Date/Time 6/4/25 11:40
Raw Sample Received by: RS (Ext-6ab)
Raw Sample Relinquished by: RM SM

Date/Time 6/4/25 12:15
Raw Sample Received by: RM SM
Raw Sample Relinquished by: RS (Ext-6ab)

LAB CHRONICLE

OrderID:	Q2177	OrderDate:	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-02	B-187-SB01	SOIL	SVOC-TCL BNA -20	8270E	05/31/25	06/04/25	06/10/25	06/02/25
Q2177-02DL	B-187-SB01DL	SOIL	SVOC-TCL BNA -20	8270E	05/31/25	06/04/25	06/11/25	06/02/25
Q2177-03	B-187-SB01	TCLP	TCLP BNA	8270E	05/31/25	06/04/25	06/06/25	06/02/25
Q2177-04	B-187-SB02	SOIL	SVOC-TCL BNA -20	8270E	05/31/25	06/04/25	06/06/25	06/02/25
Q2177-05	B-187-SB02	TCLP	TCLP BNA	8270E	05/31/25	06/04/25	06/07/25	06/02/25
Q2177-06	B-202-SB01	SOIL	SVOC-TCL BNA -20	8270E	05/31/25	06/04/25	06/10/25	06/02/25
Q2177-07	B-202-SB01	TCLP	TCLP BNA	8270E	05/31/25	06/04/25	06/07/25	06/02/25
Q2177-08	EB05312025	Water	SVOC-TCL BNA -20	8270E	05/31/25	06/04/25	06/06/25	06/02/25