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

Hit Summary Sheet
SW-846

SDG No.: Q2832

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : TG-S01									
Q2832-01	TG-S01	SOIL	Naphthalene		480.000	J	120	910	ug/Kg
Q2832-01	TG-S01	SOIL	Phenanthrene		2,100.000		110	910	ug/Kg
Q2832-01	TG-S01	SOIL	Anthracene		500.000	J	180	910	ug/Kg
Q2832-01	TG-S01	SOIL	Fluoranthene		2,400.000		160	910	ug/Kg
Q2832-01	TG-S01	SOIL	Pyrene		2,000.000		190	910	ug/Kg
Q2832-01	TG-S01	SOIL	Benzo(a)anthracene		1,100.000		120	910	ug/Kg
Q2832-01	TG-S01	SOIL	Chrysene		1,100.000		110	910	ug/Kg
Q2832-01	TG-S01	SOIL	Benzo(b)fluoranthene		1,300.000		100	910	ug/Kg
Q2832-01	TG-S01	SOIL	Benzo(k)fluoranthene		560.000	J	120	910	ug/Kg
Q2832-01	TG-S01	SOIL	Benzo(a)pyrene		960.000		160	910	ug/Kg
Q2832-01	TG-S01	SOIL	Indeno(1,2,3-cd)pyrene		510.000	J	160	910	ug/Kg
Q2832-01	TG-S01	SOIL	Benzo(g,h,i)perylene		560.000	J	140	910	ug/Kg
			Total Svoc :		**13,570.00**				
Q2832-01	TG-S01	SOIL	4H-Cyclopenta[def]phenanthrene	*	420.000	J	0	0	ug/Kg
Q2832-01	TG-S01	SOIL	Benzo[e]pyrene	*	670.000	J	0	0	ug/Kg
Q2832-01	TG-S01	SOIL	Butane, 2-methoxy-2-methyl-	*	850.000	J	0	0	ug/Kg
Q2832-01	TG-S01	SOIL	n-Hexadecanoic acid	*	1,100.000	J	0	0	ug/Kg
			Total Tics :		**3,040.00**				
			Total Concentration:		**16,610.00**				
Client ID : TG-S02									
Q2832-03	TG-S02	SOIL	Phenanthrene		1,400.000		110	900	ug/Kg
Q2832-03	TG-S02	SOIL	Anthracene		390.000	J	180	900	ug/Kg
Q2832-03	TG-S02	SOIL	Fluoranthene		2,100.000		160	900	ug/Kg
Q2832-03	TG-S02	SOIL	Pyrene		2,000.000		190	900	ug/Kg
Q2832-03	TG-S02	SOIL	Benzo(a)anthracene		1,100.000		120	900	ug/Kg
Q2832-03	TG-S02	SOIL	Chrysene		1,100.000		110	900	ug/Kg
Q2832-03	TG-S02	SOIL	Benzo(b)fluoranthene		1,300.000		100	900	ug/Kg
Q2832-03	TG-S02	SOIL	Benzo(k)fluoranthene		500.000	J	120	900	ug/Kg
Q2832-03	TG-S02	SOIL	Benzo(a)pyrene		930.000		160	900	ug/Kg
Q2832-03	TG-S02	SOIL	Indeno(1,2,3-cd)pyrene		510.000	J	150	900	ug/Kg
Q2832-03	TG-S02	SOIL	Benzo(g,h,i)perylene		610.000	J	140	900	ug/Kg
			Total Svoc :		**11,940.00**				
Q2832-03	TG-S02	SOIL	Butane, 2-methoxy-2-methyl-	*	880.000	J	0	0	ug/Kg
Q2832-03	TG-S02	SOIL	n-Hexadecanoic acid	*	710.000	J	0	0	ug/Kg
Q2832-03	TG-S02	SOIL	unknown18.295	*	500.000	J	0	0	ug/Kg
			Total Tics :		**2,090.00**				

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q2832

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		**14,030.00**				
Client ID : TG-S03									
Q2832-05	TG-S03	SOIL	Acenaphthylene		670.000	J	150	900	ug/Kg
Q2832-05	TG-S03	SOIL	Phenanthrene		1,600.000		110	900	ug/Kg
Q2832-05	TG-S03	SOIL	Anthracene		1,100.000		180	900	ug/Kg
Q2832-05	TG-S03	SOIL	Fluoranthene		4,700.000		160	900	ug/Kg
Q2832-05	TG-S03	SOIL	Pyrene		4,600.000		190	900	ug/Kg
Q2832-05	TG-S03	SOIL	Benzo(a)anthracene		2,900.000		120	900	ug/Kg
Q2832-05	TG-S03	SOIL	Chrysene		3,300.000		110	900	ug/Kg
Q2832-05	TG-S03	SOIL	Benzo(b)fluoranthene		4,500.000		100	900	ug/Kg
Q2832-05	TG-S03	SOIL	Benzo(k)fluoranthene		1,700.000		120	900	ug/Kg
Q2832-05	TG-S03	SOIL	Benzo(a)pyrene		2,500.000		160	900	ug/Kg
Q2832-05	TG-S03	SOIL	Indeno(1,2,3-cd)pyrene		1,700.000		150	900	ug/Kg
Q2832-05	TG-S03	SOIL	Dibenzo(a,h)anthracene		570.000	J	150	900	ug/Kg
Q2832-05	TG-S03	SOIL	Benzo(g,h,i)perylene		1,900.000		140	900	ug/Kg
			Total Svoc :		**31,740.00**				
Q2832-05	TG-S03	SOIL	11H-Benzo[a]fluoren-11-one	*	410.000	J	0	0	ug/Kg
Q2832-05	TG-S03	SOIL	4H-Cyclopenta[def]phenanthrene	*	620.000	J	0	0	ug/Kg
Q2832-05	TG-S03	SOIL	Benzo[e]pyrene	*	3,000.000	J	0	0	ug/Kg
Q2832-05	TG-S03	SOIL	Benzophenone	*	460.000	J	0	0	ug/Kg
Q2832-05	TG-S03	SOIL	Butane, 2-methoxy-2-methyl-	*	1,100.000	J	0	0	ug/Kg
Q2832-05	TG-S03	SOIL	Fluoranthene, 2-methyl-	*	410.000	J	0	0	ug/Kg
Q2832-05	TG-S03	SOIL	Phenanthrene, 2-methyl-	*	560.000	J	0	0	ug/Kg
			Total Tics :		**6,560.00**				
			Total Concentration:		**38,300.00**				
Client ID : TG-S04									
Q2832-07	TG-S04	SOIL	Acenaphthylene		1,900.000		160	910	ug/Kg
Q2832-07	TG-S04	SOIL	Phenanthrene		2,000.000		110	910	ug/Kg
Q2832-07	TG-S04	SOIL	Anthracene		2,400.000		180	910	ug/Kg
Q2832-07	TG-S04	SOIL	Carbazole		590.000	J	170	910	ug/Kg
Q2832-07	TG-S04	SOIL	Fluoranthene		8,300.000		160	910	ug/Kg
Q2832-07	TG-S04	SOIL	Pyrene		7,600.000		190	910	ug/Kg
Q2832-07	TG-S04	SOIL	Benzo(a)anthracene		5,200.000		120	910	ug/Kg
Q2832-07	TG-S04	SOIL	Chrysene		5,700.000		110	910	ug/Kg
Q2832-07	TG-S04	SOIL	Benzo(b)fluoranthene		7,500.000		100	910	ug/Kg
Q2832-07	TG-S04	SOIL	Benzo(k)fluoranthene		2,800.000		120	910	ug/Kg
Q2832-07	TG-S04	SOIL	Benzo(a)pyrene		4,000.000		160	910	ug/Kg
Q2832-07	TG-S04	SOIL	Indeno(1,2,3-cd)pyrene		2,500.000		160	910	ug/Kg
Q2832-07	TG-S04	SOIL	Dibenzo(a,h)anthracene		880.000	J	150	910	ug/Kg

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q2832

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2832-07	TG-S04	SOIL	Benzo(g,h,i)perylene		2,700.000		140	910	ug/Kg
			Total Svoc :		**54,070.00**				
Q2832-07	TG-S04	SOIL	11H-Benzo[a]fluoren-11-one	*	460.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	4H-Cyclopenta[def]phenanthrene	*	1,300.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	7H-Benz[de]anthracen-7-one	*	570.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	9,10-Anthracenedione	*	480.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Anthracene, 2-methyl-	*	600.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Benz[a]anthracene, 7-methyl-	*	390.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Benzo[b]naphtho[2,1-d]thiophene	*	530.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Benzo[e]pyrene	*	4,800.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Benzophenone	*	460.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Butane, 2-methoxy-2-methyl-	*	1,400.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Cyclopenta(def)phenanthrenone	*	1,000.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Cyclopenta[cd]pyrene	*	520.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Naphthalene, 2-phenyl-	*	430.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Phenanthrene, 1,7-dimethyl-	*	670.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Phenanthrene, 1-methyl-	*	550.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Phenanthrene, 2,5-dimethyl-	*	1,100.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Phenanthrene, 2-methyl-	*	1,100.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Phenanthrene, 3,6-dimethyl-	*	390.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Pyrene, 1-methyl-	*	590.000	J	0	0	ug/Kg
Q2832-07	TG-S04	SOIL	Pyrene, 4-methyl-	*	510.000	J	0	0	ug/Kg
			Total Tics :		**17,850.00**				
			Total Concentration:		**71,920.00**				
Client ID :	**TG-S05**								
Q2832-09	TG-S05	SOIL	Phenanthrene		890.000	J	110	930	ug/Kg
Q2832-09	TG-S05	SOIL	Fluoranthene		1,300.000		160	930	ug/Kg
Q2832-09	TG-S05	SOIL	Pyrene		1,200.000		200	930	ug/Kg
Q2832-09	TG-S05	SOIL	Benzo(a)anthracene		750.000	J	130	930	ug/Kg
Q2832-09	TG-S05	SOIL	Chrysene		950.000		110	930	ug/Kg
Q2832-09	TG-S05	SOIL	Benzo(b)fluoranthene		1,300.000		100	930	ug/Kg
Q2832-09	TG-S05	SOIL	Benzo(a)pyrene		630.000	J	160	930	ug/Kg
Q2832-09	TG-S05	SOIL	Indeno(1,2,3-cd)pyrene		460.000	J	160	930	ug/Kg
Q2832-09	TG-S05	SOIL	Benzo(g,h,i)perylene		560.000	J	140	930	ug/Kg
			Total Svoc :		**8,040.00**				
Q2832-09	TG-S05	SOIL	Phenanthrene, 1-methyl-	*	420.000	J	0	0	ug/Kg
Q2832-09	TG-S05	SOIL	Benzophenone	*	480.000	J	0	0	ug/Kg
Q2832-09	TG-S05	SOIL	Butane, 2-methoxy-2-methyl-	*	1,800.000	J	0	0	ug/Kg
Q2832-09	TG-S05	SOIL	n-Hexadecanoic acid	*	1,100.000	J	0	0	ug/Kg
			Total Tics :		**3,800.00**				

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q2832

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	**11,840.00**				

SAMPLE DATA

Raw Data: **BP025547.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01	SDG No.:	Q2832
Lab Sample ID:	Q2832-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025547.D	5	08/13/25 09:05	08/22/25 13:32	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	830	U	830	1800	ug/Kg
108-95-2	Phenol	120	U	120	910	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	910	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	910	ug/Kg
95-48-7	2-Methylphenol	160	U	160	910	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	200	910	ug/Kg
98-86-2	Acetophenone	160	U	160	910	ug/Kg
65794-96-9	3+4-Methylphenols	220	U	220	1800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	250	U	250	430	ug/Kg
67-72-1	Hexachloroethane	94.0	U	94.0	910	ug/Kg
98-95-3	Nitrobenzene	97.7	U	97.7	910	ug/Kg
78-59-1	Isophorone	180	U	180	910	ug/Kg
88-75-5	2-Nitrophenol	310	U	310	910	ug/Kg
105-67-9	2,4-Dimethylphenol	350	U	350	910	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	160	910	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	150	910	ug/Kg
91-20-3	Naphthalene	480	J	120	910	ug/Kg
106-47-8	4-Chloroaniline	190	UQ	190	910	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	140	910	ug/Kg
105-60-2	Caprolactam	280	U	280	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	150	910	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	910	ug/Kg
77-47-4	Hexachlorocyclopentadiene	620	U	620	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	910	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	160	910	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	910	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	910	ug/Kg
88-74-4	2-Nitroaniline	260	U	260	910	ug/Kg
131-11-3	Dimethylphthalate	140	U	140	910	ug/Kg

Raw Data: **BP025547.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01	SDG No.:	Q2832
Lab Sample ID:	Q2832-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025547.D	5	08/13/25 09:05	08/22/25 13:32	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	150	910	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	180	910	ug/Kg
99-09-2	3-Nitroaniline	250	U	250	910	ug/Kg
83-32-9	Acenaphthene	110	U	110	910	ug/Kg
51-28-5	2,4-Dinitrophenol	1200	U	1200	1800	ug/Kg
100-02-7	4-Nitrophenol	570	U	570	1800	ug/Kg
132-64-9	Dibenzofuran	120	U	120	910	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	270	910	ug/Kg
84-66-2	Diethylphthalate	150	U	150	910	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	910	ug/Kg
86-73-7	Fluorene	140	U	140	910	ug/Kg
100-01-6	4-Nitroaniline	340	U	340	910	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	550	U	550	1800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	180	910	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	150	910	ug/Kg
118-74-1	Hexachlorobenzene	140	U	140	910	ug/Kg
1912-24-9	Atrazine	180	U	180	910	ug/Kg
87-86-5	Pentachlorophenol	270	U	270	1800	ug/Kg
85-01-8	Phenanthrene	2100		110	910	ug/Kg
120-12-7	Anthracene	500	J	180	910	ug/Kg
86-74-8	Carbazole	170	U	170	910	ug/Kg
84-74-2	Di-n-butylphthalate	260	U	260	910	ug/Kg
206-44-0	Fluoranthene	2400		160	910	ug/Kg
129-00-0	Pyrene	2000		190	910	ug/Kg
85-68-7	Butylbenzylphthalate	380	U	380	910	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	UQ	200	1800	ug/Kg
56-55-3	Benzo(a)anthracene	1100		120	910	ug/Kg
218-01-9	Chrysene	1100		110	910	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	320	910	ug/Kg
117-84-0	Di-n-octyl phthalate	460	U	460	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		100	910	ug/Kg

Raw Data: **BP025547.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01	SDG No.:	Q2832
Lab Sample ID:	Q2832-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025547.D	5	08/13/25 09:05	08/22/25 13:32	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	560	J	120	910	ug/Kg
50-32-8	Benzo(a)pyrene	960		160	910	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	510	J	160	910	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	150	910	ug/Kg
191-24-2	Benzo(g,h,i)perylene	560	J	140	910	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	140	910	ug/Kg
123-91-1	1,4-Dioxane	240	U	240	910	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	910	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	69.3		30 (18) - 130 (112)	46%	SPK: 150
13127-88-3	Phenol-d6	73.1		30 (15) - 130 (107)	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.4		30 (18) - 130 (107)	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.0		30 (20) - 130 (109)	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	72.0		30 (10) - 130 (116)	48%	SPK: 150
1718-51-0	Terphenyl-d14	50.2		30 (10) - 130 (105)	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	204000	7.778			
1146-65-2	Naphthalene-d8	857000	10.543			
15067-26-2	Acenaphthene-d10	567000	14.384			
1517-22-2	Phenanthrene-d10	1160000	17.189			
1719-03-5	Chrysene-d12	1170000	21.636			
1520-96-3	Perylene-d12	1290000	25.007			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	850	J		3.03	ug/Kg
000057-10-3	n-Hexadecanoic acid	1100	J		18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	420	J		18.3	ug/Kg
000192-97-2	Benzo[e]pyrene	670	J		24.7	ug/Kg

Raw Data: **BP025547.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01	SDG No.:	Q2832
Lab Sample ID:	Q2832-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025547.D	5	08/13/25 09:05	08/22/25 13:32	PB169228

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

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

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

Raw Data: **BP025548.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S02	SDG No.:	Q2832
Lab Sample ID:	Q2832-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94
Sample Wt/Vol:	30.09 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
BP025548.D	5	08/13/25 09:05	08/22/25 14:13	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	830	U	830	1800	ug/Kg
108-95-2	Phenol	120	U	120	900	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	900	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	900	ug/Kg
95-48-7	2-Methylphenol	160	U	160	900	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	200	900	ug/Kg
98-86-2	Acetophenone	160	U	160	900	ug/Kg
65794-96-9	3+4-Methylphenols	220	U	220	1800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	250	U	250	420	ug/Kg
67-72-1	Hexachloroethane	93.3	U	93.3	900	ug/Kg
98-95-3	Nitrobenzene	97.0	U	97.0	900	ug/Kg
78-59-1	Isophorone	170	U	170	900	ug/Kg
88-75-5	2-Nitrophenol	310	U	310	900	ug/Kg
105-67-9	2,4-Dimethylphenol	340	U	340	900	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	160	900	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	150	900	ug/Kg
91-20-3	Naphthalene	120	U	120	900	ug/Kg
106-47-8	4-Chloroaniline	190	UQ	190	900	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	130	900	ug/Kg
105-60-2	Caprolactam	280	U	280	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	150	900	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	900	ug/Kg
77-47-4	Hexachlorocyclopentadiene	620	U	620	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	900	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	150	900	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	900	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	900	ug/Kg
88-74-4	2-Nitroaniline	260	U	260	900	ug/Kg
131-11-3	Dimethylphthalate	140	U	140	900	ug/Kg

Raw Data: **BP025548.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S02	SDG No.:	Q2832
Lab Sample ID:	Q2832-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94
Sample Wt/Vol:	30.09 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
BP025548.D	5	08/13/25 09:05	08/22/25 14:13	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	150	900	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	180	900	ug/Kg
99-09-2	3-Nitroaniline	240	U	240	900	ug/Kg
83-32-9	Acenaphthene	110	U	110	900	ug/Kg
51-28-5	2,4-Dinitrophenol	1200	U	1200	1800	ug/Kg
100-02-7	4-Nitrophenol	570	U	570	1800	ug/Kg
132-64-9	Dibenzofuran	120	U	120	900	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	270	900	ug/Kg
84-66-2	Diethylphthalate	150	U	150	900	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	900	ug/Kg
86-73-7	Fluorene	130	U	130	900	ug/Kg
100-01-6	4-Nitroaniline	340	U	340	900	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	550	U	550	1800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	170	900	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	150	900	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	900	ug/Kg
1912-24-9	Atrazine	180	U	180	900	ug/Kg
87-86-5	Pentachlorophenol	270	U	270	1800	ug/Kg
85-01-8	Phenanthrene	1400		110	900	ug/Kg
120-12-7	Anthracene	390	J	180	900	ug/Kg
86-74-8	Carbazole	170	U	170	900	ug/Kg
84-74-2	Di-n-butylphthalate	250	U	250	900	ug/Kg
206-44-0	Fluoranthene	2100		160	900	ug/Kg
129-00-0	Pyrene	2000		190	900	ug/Kg
85-68-7	Butylbenzylphthalate	380	U	380	900	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	UQ	190	1800	ug/Kg
56-55-3	Benzo(a)anthracene	1100		120	900	ug/Kg
218-01-9	Chrysene	1100		110	900	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	310	900	ug/Kg
117-84-0	Di-n-octyl phthalate	460	U	460	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		100	900	ug/Kg

Raw Data: **BP025548.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S02	SDG No.:	Q2832
Lab Sample ID:	Q2832-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94
Sample Wt/Vol:	30.09 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
BP025548.D	5	08/13/25 09:05	08/22/25 14:13	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	500	J	120	900	ug/Kg
50-32-8	Benzo(a)pyrene	930		160	900	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	510	J	150	900	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	150	900	ug/Kg
191-24-2	Benzo(g,h,i)perylene	610	J	140	900	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	140	900	ug/Kg
123-91-1	1,4-Dioxane	240	U	240	900	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	900	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	67.0		30 (18) - 130 (112)	45%	SPK: 150
13127-88-3	Phenol-d6	67.8		30 (15) - 130 (107)	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	41.6		30 (18) - 130 (107)	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.2		30 (20) - 130 (109)	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	64.3		30 (10) - 130 (116)	43%	SPK: 150
1718-51-0	Terphenyl-d14	47.0		30 (10) - 130 (105)	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	183000	7.778			
1146-65-2	Naphthalene-d8	733000	10.549			
15067-26-2	Acenaphthene-d10	473000	14.401			
1517-22-2	Phenanthrene-d10	961000	17.19			
1719-03-5	Chrysene-d12	1020000	21.619			
1520-96-3	Perylene-d12	1180000	24.971			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	880	J		3.03	ug/Kg
000057-10-3	n-Hexadecanoic acid	710	J		18.1	ug/Kg
	unknown18.295	500	J		18.3	ug/Kg

Raw Data: **BP025548.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S02	SDG No.:	Q2832
Lab Sample ID:	Q2832-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94
Sample Wt/Vol:	30.09 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
BP025548.D	5	08/13/25 09:05	08/22/25 14:13	PB169228

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

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

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

Raw Data: **BP025467.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S03	SDG No.:	Q2832
Lab Sample ID:	Q2832-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.8
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
BP025467.D	5	08/13/25 09:05	08/18/25 18:58	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	830	U	830	1800	ug/Kg
108-95-2	Phenol	120	U	120	900	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	900	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	900	ug/Kg
95-48-7	2-Methylphenol	160	U	160	900	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	200	900	ug/Kg
98-86-2	Acetophenone	160	U	160	900	ug/Kg
65794-96-9	3+4-Methylphenols	220	U	220	1800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	250	U	250	430	ug/Kg
67-72-1	Hexachloroethane	93.6	U	93.6	900	ug/Kg
98-95-3	Nitrobenzene	97.4	U	97.4	900	ug/Kg
78-59-1	Isophorone	170	U	170	900	ug/Kg
88-75-5	2-Nitrophenol	310	U	310	900	ug/Kg
105-67-9	2,4-Dimethylphenol	340	U	340	900	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	160	900	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	150	900	ug/Kg
91-20-3	Naphthalene	120	U	120	900	ug/Kg
106-47-8	4-Chloroaniline	190	UQ	190	900	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	130	900	ug/Kg
105-60-2	Caprolactam	280	U	280	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	150	900	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	900	ug/Kg
77-47-4	Hexachlorocyclopentadiene	620	U	620	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	900	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	150	900	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	900	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	900	ug/Kg
88-74-4	2-Nitroaniline	260	U	260	900	ug/Kg
131-11-3	Dimethylphthalate	140	U	140	900	ug/Kg

Raw Data: **BP025467.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S03	SDG No.:	Q2832
Lab Sample ID:	Q2832-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.8
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
BP025467.D	5	08/13/25 09:05	08/18/25 18:58	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	670	J	150	900	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	180	900	ug/Kg
99-09-2	3-Nitroaniline	240	U	240	900	ug/Kg
83-32-9	Acenaphthene	110	U	110	900	ug/Kg
51-28-5	2,4-Dinitrophenol	1200	U	1200	1800	ug/Kg
100-02-7	4-Nitrophenol	570	U	570	1800	ug/Kg
132-64-9	Dibenzofuran	120	U	120	900	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	270	900	ug/Kg
84-66-2	Diethylphthalate	150	U	150	900	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	900	ug/Kg
86-73-7	Fluorene	130	U	130	900	ug/Kg
100-01-6	4-Nitroaniline	340	U	340	900	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	550	U	550	1800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	180	900	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	150	900	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	900	ug/Kg
1912-24-9	Atrazine	180	U	180	900	ug/Kg
87-86-5	Pentachlorophenol	270	U	270	1800	ug/Kg
85-01-8	Phenanthrene	1600		110	900	ug/Kg
120-12-7	Anthracene	1100		180	900	ug/Kg
86-74-8	Carbazole	170	U	170	900	ug/Kg
84-74-2	Di-n-butylphthalate	250	U	250	900	ug/Kg
206-44-0	Fluoranthene	4700		160	900	ug/Kg
129-00-0	Pyrene	4600		190	900	ug/Kg
85-68-7	Butylbenzylphthalate	380	U	380	900	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	UQ	200	1800	ug/Kg
56-55-3	Benzo(a)anthracene	2900		120	900	ug/Kg
218-01-9	Chrysene	3300		110	900	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	310	900	ug/Kg
117-84-0	Di-n-octyl phthalate	460	U	460	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	4500		100	900	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S03	SDG No.:	Q2832
Lab Sample ID:	Q2832-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.8
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
BP025467.D	5	08/13/25 09:05	08/18/25 18:58	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		120	900	ug/Kg
50-32-8	Benzo(a)pyrene	2500		160	900	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		150	900	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	570	J	150	900	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		140	900	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	140	900	ug/Kg
123-91-1	1,4-Dioxane	240	U	240	900	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	900	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	101		30 (18) - 130 (112)	67%	SPK: 150
13127-88-3	Phenol-d6	101		30 (15) - 130 (107)	68%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.6		30 (18) - 130 (107)	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.6		30 (20) - 130 (109)	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	101		30 (10) - 130 (116)	67%	SPK: 150
1718-51-0	Terphenyl-d14	73.8		30 (10) - 130 (105)	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	167000	7.79			
1146-65-2	Naphthalene-d8	660000	10.56			
15067-26-2	Acenaphthene-d10	425000	14.407			
1517-22-2	Phenanthrene-d10	852000	17.207			
1719-03-5	Chrysene-d12	883000	21.636			
1520-96-3	Perylene-d12	1050000	25.007			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J		3.04	ug/Kg
000119-61-9	Benzophenone	460	J		15.8	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	560	J		18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	620	J		18.3	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	410	J		20.4	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	410	J		21.0	ug/Kg
000192-97-2	Benzo[e]pyrene	3000	J		24.7	ug/Kg

Raw Data: **BP025467.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S03	SDG No.:	Q2832
Lab Sample ID:	Q2832-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.8
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
BP025467.D	5	08/13/25 09:05	08/18/25 18:58	PB169228

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

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

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

Raw Data: **BP025468.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S04	SDG No.:	Q2832
Lab Sample ID:	Q2832-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025468.D	5	08/13/25 09:05	08/18/25 19:39	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	840	U	840	1800	ug/Kg
108-95-2	Phenol	120	U	120	910	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	910	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	910	ug/Kg
95-48-7	2-Methylphenol	160	U	160	910	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	200	910	ug/Kg
98-86-2	Acetophenone	160	U	160	910	ug/Kg
65794-96-9	3+4-Methylphenols	220	U	220	1800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	250	U	250	430	ug/Kg
67-72-1	Hexachloroethane	94.4	U	94.4	910	ug/Kg
98-95-3	Nitrobenzene	98.2	U	98.2	910	ug/Kg
78-59-1	Isophorone	180	U	180	910	ug/Kg
88-75-5	2-Nitrophenol	310	U	310	910	ug/Kg
105-67-9	2,4-Dimethylphenol	350	U	350	910	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	170	910	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	150	910	ug/Kg
91-20-3	Naphthalene	120	U	120	910	ug/Kg
106-47-8	4-Chloroaniline	190	UQ	190	910	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	140	910	ug/Kg
105-60-2	Caprolactam	280	U	280	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	150	910	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	910	ug/Kg
77-47-4	Hexachlorocyclopentadiene	620	U	620	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	910	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	160	910	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	910	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	910	ug/Kg
88-74-4	2-Nitroaniline	260	U	260	910	ug/Kg
131-11-3	Dimethylphthalate	150	U	150	910	ug/Kg

Raw Data: **BP025468.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S04	SDG No.:	Q2832
Lab Sample ID:	Q2832-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025468.D	5	08/13/25 09:05	08/18/25 19:39	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1900		160	910	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	180	910	ug/Kg
99-09-2	3-Nitroaniline	250	U	250	910	ug/Kg
83-32-9	Acenaphthene	110	U	110	910	ug/Kg
51-28-5	2,4-Dinitrophenol	1200	U	1200	1800	ug/Kg
100-02-7	4-Nitrophenol	570	U	570	1800	ug/Kg
132-64-9	Dibenzofuran	120	U	120	910	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	270	910	ug/Kg
84-66-2	Diethylphthalate	150	U	150	910	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	910	ug/Kg
86-73-7	Fluorene	140	U	140	910	ug/Kg
100-01-6	4-Nitroaniline	340	U	340	910	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	550	U	550	1800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	180	910	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	150	910	ug/Kg
118-74-1	Hexachlorobenzene	140	U	140	910	ug/Kg
1912-24-9	Atrazine	180	U	180	910	ug/Kg
87-86-5	Pentachlorophenol	280	U	280	1800	ug/Kg
85-01-8	Phenanthrene	2000		110	910	ug/Kg
120-12-7	Anthracene	2400		180	910	ug/Kg
86-74-8	Carbazole	590	J	170	910	ug/Kg
84-74-2	Di-n-butylphthalate	260	U	260	910	ug/Kg
206-44-0	Fluoranthene	8300		160	910	ug/Kg
129-00-0	Pyrene	7600		190	910	ug/Kg
85-68-7	Butylbenzylphthalate	380	U	380	910	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	UQ	200	1800	ug/Kg
56-55-3	Benzo(a)anthracene	5200		120	910	ug/Kg
218-01-9	Chrysene	5700		110	910	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	320	910	ug/Kg
117-84-0	Di-n-octyl phthalate	470	U	470	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	7500		100	910	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S04	SDG No.:	Q2832
Lab Sample ID:	Q2832-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025468.D	5	08/13/25 09:05	08/18/25 19:39	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2800		120	910	ug/Kg
50-32-8	Benzo(a)pyrene	4000		160	910	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2500		160	910	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	880	J	150	910	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2700		140	910	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	140	910	ug/Kg
123-91-1	1,4-Dioxane	240	U	240	910	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	910	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	95.5		30 (18) - 130 (112)	64%	SPK: 150
13127-88-3	Phenol-d6	96.0		30 (15) - 130 (107)	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.7		30 (18) - 130 (107)	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.8		30 (20) - 130 (109)	64%	SPK: 100
118-79-6	2,4,6-Tribromophenol	94.0		30 (10) - 130 (116)	63%	SPK: 150
1718-51-0	Terphenyl-d14	64.6		30 (10) - 130 (105)	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	165000	7.79			
1146-65-2	Naphthalene-d8	657000	10.56			
15067-26-2	Acenaphthene-d10	418000	14.401			
1517-22-2	Phenanthrene-d10	833000	17.195			
1719-03-5	Chrysene-d12	886000	21.624			
1520-96-3	Perylene-d12	1060000	24.995			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1400	J		3.04	ug/Kg
000119-61-9	Benzophenone	460	J		15.8	ug/Kg
000613-12-7	Anthracene, 2-methyl-	600	J		18.1	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	1100	J		18.1	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	550	J		18.2	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	1300	J		18.3	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	430	J		18.6	ug/Kg

Raw Data: **BP025468.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S04	SDG No.:	Q2832
Lab Sample ID:	Q2832-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025468.D	5	08/13/25 09:05	08/18/25 19:39	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000084-65-1	9,10-Anthracenedione	480	J		18.7	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	390	J		18.9	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	1100	J		19.1	ug/Kg
000483-87-4	Phenanthrene, 1,7-dimethyl-	670	J		19.1	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	1000	J		19.2	ug/Kg
002381-21-7	Pyrene, 1-methyl-	590	J		20.0	ug/Kg
003353-12-6	Pyrene, 4-methyl-	510	J		20.4	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	570	J		21.0	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	530	J		21.2	ug/Kg
027208-37-3	Cyclopenta[cd]pyrene	520	J		21.3	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	460	J		21.4	ug/Kg
002541-69-7	Benz[a]anthracene, 7-methyl-	390	J		22.4	ug/Kg
000192-97-2	Benzo[e]pyrene	4800	J		24.7	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

Raw Data: **BP025537.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S05	SDG No.:	Q2832
Lab Sample ID:	Q2832-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.9
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
BP025537.D	5	08/13/25 09:05	08/21/25 12:53	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	860	U	860	1800	ug/Kg
108-95-2	Phenol	120	U	120	930	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	930	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	930	ug/Kg
95-48-7	2-Methylphenol	160	U	160	930	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	U	210	930	ug/Kg
98-86-2	Acetophenone	160	U	160	930	ug/Kg
65794-96-9	3+4-Methylphenols	230	U	230	1800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	260	U	260	440	ug/Kg
67-72-1	Hexachloroethane	96.6	U	96.6	930	ug/Kg
98-95-3	Nitrobenzene	100	U	100	930	ug/Kg
78-59-1	Isophorone	180	U	180	930	ug/Kg
88-75-5	2-Nitrophenol	320	U	320	930	ug/Kg
105-67-9	2,4-Dimethylphenol	360	U	360	930	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	170	930	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	160	930	ug/Kg
91-20-3	Naphthalene	120	U	120	930	ug/Kg
106-47-8	4-Chloroaniline	190	UQ	190	930	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	140	930	ug/Kg
105-60-2	Caprolactam	290	U	290	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	160	930	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	930	ug/Kg
77-47-4	Hexachlorocyclopentadiene	640	U	640	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	930	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	160	930	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	930	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	930	ug/Kg
88-74-4	2-Nitroaniline	260	U	260	930	ug/Kg
131-11-3	Dimethylphthalate	150	U	150	930	ug/Kg

Raw Data: **BP025537.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S05	SDG No.:	Q2832
Lab Sample ID:	Q2832-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.9
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
BP025537.D	5	08/13/25 09:05	08/21/25 12:53	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	160	930	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	180	930	ug/Kg
99-09-2	3-Nitroaniline	250	U	250	930	ug/Kg
83-32-9	Acenaphthene	120	U	120	930	ug/Kg
51-28-5	2,4-Dinitrophenol	1300	U	1300	1800	ug/Kg
100-02-7	4-Nitrophenol	590	U	590	1800	ug/Kg
132-64-9	Dibenzofuran	120	U	120	930	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	270	930	ug/Kg
84-66-2	Diethylphthalate	160	U	160	930	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	150	930	ug/Kg
86-73-7	Fluorene	140	U	140	930	ug/Kg
100-01-6	4-Nitroaniline	350	U	350	930	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	570	U	570	1800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	180	930	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	150	930	ug/Kg
118-74-1	Hexachlorobenzene	140	U	140	930	ug/Kg
1912-24-9	Atrazine	190	U	190	930	ug/Kg
87-86-5	Pentachlorophenol	280	U	280	1800	ug/Kg
85-01-8	Phenanthrene	890	J	110	930	ug/Kg
120-12-7	Anthracene	180	U	180	930	ug/Kg
86-74-8	Carbazole	170	U	170	930	ug/Kg
84-74-2	Di-n-butylphthalate	260	U	260	930	ug/Kg
206-44-0	Fluoranthene	1300		160	930	ug/Kg
129-00-0	Pyrene	1200		200	930	ug/Kg
85-68-7	Butylbenzylphthalate	390	U	390	930	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	UQ	200	1800	ug/Kg
56-55-3	Benzo(a)anthracene	750	J	130	930	ug/Kg
218-01-9	Chrysene	950		110	930	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	320	930	ug/Kg
117-84-0	Di-n-octyl phthalate	480	U	480	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		100	930	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S05	SDG No.:	Q2832
Lab Sample ID:	Q2832-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.9
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
BP025537.D	5	08/13/25 09:05	08/21/25 12:53	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	120	U	120	930	ug/Kg
50-32-8	Benzo(a)pyrene	630	J	160	930	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	460	J	160	930	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	150	930	ug/Kg
191-24-2	Benzo(g,h,i)perylene	560	J	140	930	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	140	930	ug/Kg
123-91-1	1,4-Dioxane	250	U	250	930	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	930	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	92.6		30 (18) - 130 (112)	62%	SPK: 150
13127-88-3	Phenol-d6	97.2		30 (15) - 130 (107)	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.2		30 (18) - 130 (107)	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.0		30 (20) - 130 (109)	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.8		30 (10) - 130 (116)	59%	SPK: 150
1718-51-0	Terphenyl-d14	74.5		30 (10) - 130 (105)	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	185000	7.784			
1146-65-2	Naphthalene-d8	725000	10.554			
15067-26-2	Acenaphthene-d10	451000	14.401			
1517-22-2	Phenanthrene-d10	892000	17.207			
1719-03-5	Chrysene-d12	916000	21.654			
1520-96-3	Perylene-d12	1090000	25.042			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1800	J		3.04	ug/Kg
000119-61-9	Benzophenone	480	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	1100	J		18.1	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	420	J		18.3	ug/Kg

Raw Data: **BP025537.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S05	SDG No.:	Q2832
Lab Sample ID:	Q2832-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.9
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
BP025537.D	5	08/13/25 09:05	08/21/25 12:53	PB169228

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

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q2832

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169228BL	PB169228BL	2-Fluorophenol	150	124	82		30 (18)	130 (112)
		Phenol-d6	150	118	79		30 (15)	130 (107)
		Nitrobenzene-d5	100	76.2	76		30 (18)	130 (107)
		2-Fluorobiphenyl	100	75.0	75		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	124	83		30 (10)	130 (116)
		Terphenyl-d14	100	73.2	73		30 (10)	130 (105)
PB169228BS	PB169228BS	2-Fluorophenol	150	125	84		30 (18)	130 (112)
		Phenol-d6	150	126	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	76.0	76		30 (18)	130 (107)
		2-Fluorobiphenyl	100	73.2	73		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	128	85		30 (10)	130 (116)
		Terphenyl-d14	100	77.4	77		30 (10)	130 (105)
Q2820-17MS	88H-EMS	2-Fluorophenol	150	84.6	56		30 (18)	130 (112)
		Phenol-d6	150	85.7	57		30 (15)	130 (107)
		Nitrobenzene-d5	100	51.9	52		30 (18)	130 (107)
		2-Fluorobiphenyl	100	49.8	50		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	84.8	57		30 (10)	130 (116)
		Terphenyl-d14	100	45.7	46		30 (10)	130 (105)
Q2820-17MSD	88H-EMSD	2-Fluorophenol	150	88.1	59		30 (18)	130 (112)
		Phenol-d6	150	89.6	60		30 (15)	130 (107)
		Nitrobenzene-d5	100	54.5	55		30 (18)	130 (107)
		2-Fluorobiphenyl	100	50.8	51		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	89.7	60		30 (10)	130 (116)
		Terphenyl-d14	100	48.8	49		30 (10)	130 (105)
Q2832-01	TG-S01	2-Fluorophenol	150	69.3	46		30 (18)	130 (112)
		Phenol-d6	150	73.1	49		30 (15)	130 (107)
		Nitrobenzene-d5	100	43.4	43		30 (18)	130 (107)
		2-Fluorobiphenyl	100	47.0	47		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	72.0	48		30 (10)	130 (116)
		Terphenyl-d14	100	50.2	50		30 (10)	130 (105)
Q2832-03	TG-S02	2-Fluorophenol	150	67.0	45		30 (18)	130 (112)
		Phenol-d6	150	67.8	45		30 (15)	130 (107)
		Nitrobenzene-d5	100	41.6	42		30 (18)	130 (107)
		2-Fluorobiphenyl	100	43.2	43		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	64.3	43		30 (10)	130 (116)
		Terphenyl-d14	100	47.0	47		30 (10)	130 (105)
Q2832-05	TG-S03	2-Fluorophenol	150	101	67		30 (18)	130 (112)
		Phenol-d6	150	101	68		30 (15)	130 (107)
		Nitrobenzene-d5	100	65.6	66		30 (18)	130 (107)
		2-Fluorobiphenyl	100	67.6	68		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	101	67		30 (10)	130 (116)
		Terphenyl-d14	100	73.8	74		30 (10)	130 (105)
Q2832-07	TG-S04	2-Fluorophenol	150	95.5	64		30 (18)	130 (112)
		Phenol-d6	150	96.0	64		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.7	61		30 (18)	130 (107)
		2-Fluorobiphenyl	100	63.8	64		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	94.0	63		30 (10)	130 (116)
		Terphenyl-d14	100	64.6	65		30 (10)	130 (105)
Q2832-09	TG-S05	2-Fluorophenol	150	92.6	62		30 (18)	130 (112)
		Phenol-d6	150	97.2	65		30 (15)	130 (107)
		Nitrobenzene-d5	100	73.2	73		30 (18)	130 (107)

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: Q2832

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2832-09	TG-S05	2-Fluorobiphenyl	100	77.0	77		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	88.8	59		30 (10)	130 (116)
		Terphenyl-d14	100	74.5	74		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2832 **Analytical Method:** SW8270E

Client: Portal Partners Tri-Venture **DataFile:** BP025415.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2820-17MS		**Client Sample ID: 88H-EMS**									
Benzaldehyde	2000	0	1100	ug/Kg	55				20 (10)	160 (171)	
Phenol	2000	0	1800	ug/Kg	90				20 (51)	160 (122)	
bis(2-Chloroethyl)ether	2000	0	1700	ug/Kg	85				70 (54)	130 (125)	
2-Chlorophenol	2000	0	1800	ug/Kg	90				70 (51)	130 (121)	
2-Methylphenol	2000	0	1800	ug/Kg	90				70 (47)	130 (125)	
2,2-oxybis(1-Chloropropane)	2000	0	1700	ug/Kg	85				70 (46)	130 (119)	
Acetophenone	2000	0	1700	ug/Kg	85				70 (55)	130 (128)	
3+4-Methylphenols	2000	0	1800	ug/Kg	90				20 (49)	160 (125)	
N-Nitroso-di-n-propylamine	2000	0	1600	ug/Kg	80				70 (59)	130 (119)	
Hexachloroethane	2000	0	1700	ug/Kg	85				20 (51)	160 (116)	
Nitrobenzene	2000	0	1700	ug/Kg	85				70 (47)	130 (124)	
Isophorone	2000	0	1700	ug/Kg	85				70 (49)	130 (127)	
2-Nitrophenol	2000	0	1800	ug/Kg	90				70 (43)	130 (131)	
2,4-Dimethylphenol	2000	0	1900	ug/Kg	95				70 (63)	130 (151)	
bis(2-Chloroethoxy)methane	2000	0	1700	ug/Kg	85				70 (51)	130 (119)	
2,4-Dichlorophenol	2000	0	1900	ug/Kg	95				70 (50)	130 (122)	
Naphthalene	2000	0	1700	ug/Kg	85				70 (51)	130 (121)	
4-Chloroaniline	2000	0	930	ug/Kg	47	*			70 (10)	130 (100)	
Hexachlorobutadiene	2000	0	1700	ug/Kg	85				70 (44)	130 (126)	
Caprolactam	2000	0	1800	ug/Kg	90				20 (51)	160 (134)	
4-Chloro-3-methylphenol	2000	0	1800	ug/Kg	90				70 (57)	130 (132)	
2-Methylnaphthalene	2000	0	1700	ug/Kg	85				70 (59)	130 (123)	
Hexachlorocyclopentadiene	4000	0	3500	ug/Kg	88				20 (10)	160 (175)	
2,4,6-Trichlorophenol	2000	0	1900	ug/Kg	95				70 (33)	130 (141)	
2,4,5-Trichlorophenol	2000	0	1900	ug/Kg	95				70 (38)	130 (135)	
1,1-Biphenyl	2000	0	1800	ug/Kg	90				70 (55)	130 (131)	
2-Chloronaphthalene	2000	0	1800	ug/Kg	90				70 (48)	130 (124)	
2-Nitroaniline	2000	0	1900	ug/Kg	95				70 (47)	130 (134)	
Dimethylphthalate	2000	0	1800	ug/Kg	90				70 (54)	130 (120)	
Acenaphthylene	2000	0	1800	ug/Kg	90				70 (57)	130 (125)	
2,6-Dinitrotoluene	2000	0	1800	ug/Kg	90				70 (48)	130 (127)	
3-Nitroaniline	2000	0	1200	ug/Kg	60	*			70 (10)	130 (112)	
Acenaphthene	2000	0	1800	ug/Kg	90				70 (70)	130 (121)	
2,4-Dinitrophenol	4000	0	3900	ug/Kg	98				20 (10)	160 (155)	
4-Nitrophenol	4000	0	3800	ug/Kg	95				20 (10)	160 (175)	
Dibenzofuran	2000	0	1800	ug/Kg	90				70 (52)	130 (114)	
2,4-Dinitrotoluene	2000	0	1900	ug/Kg	95				70 (41)	130 (140)	
Diethylphthalate	2000	0	1800	ug/Kg	90				70 (51)	130 (119)	
4-Chlorophenyl-phenylether	2000	0	1700	ug/Kg	85				70 (48)	130 (122)	
Fluorene	2000	0	1700	ug/Kg	85				70 (53)	130 (118)	
4-Nitroaniline	2000	0	1700	ug/Kg	85				70 (29)	130 (140)	
4,6-Dinitro-2-methylphenol	2000	0	1800	ug/Kg	90				70 (10)	130 (160)	
N-Nitrosodiphenylamine	2000	0	1800	ug/Kg	90				70 (73)	130 (118)	
4-Bromophenyl-phenylether	2000	0	1800	ug/Kg	90				70 (65)	130 (121)	
Hexachlorobenzene	2000	0	1800	ug/Kg	90				70 (67)	130 (118)	
Atrazine	2000	0	1800	ug/Kg	90				70 (45)	130 (175)	

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2832 **Analytical Method:** SW8270E

Client: Portal Partners Tri-Venture **DataFile:** BP025415.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	4000	0	3800	ug/Kg	95				20 (13)	160 (153)	
Phenanthrene	2000	0	1800	ug/Kg	90				70 (52)	130 (128)	
Anthracene	2000	0	1800	ug/Kg	90				70 (62)	130 (124)	
Carbazole	2000	0	1800	ug/Kg	90				70 (59)	130 (119)	
Di-n-butylphthalate	2000	0	1800	ug/Kg	90				70 (55)	130 (125)	
Fluoranthene	2000	0	1800	ug/Kg	90				70 (44)	130 (125)	
Pyrene	2000	0	1700	ug/Kg	85				70 (37)	130 (122)	
Butylbenzylphthalate	2000	0	1800	ug/Kg	90				70 (44)	130 (135)	
3,3-Dichlorobenzidine	2000	0	1000	ug/Kg	50	*			70 (15)	130 (112)	
Benzo(a)anthracene	2000	0	1800	ug/Kg	90				70 (53)	130 (119)	
Chrysene	2000	0	1800	ug/Kg	90				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	2000	0	1800	ug/Kg	90				70 (42)	130 (169)	
Di-n-octyl phthalate	2000	0	1800	ug/Kg	90				70 (51)	130 (156)	
Benzo(b)fluoranthene	2000	0	1800	ug/Kg	90				70 (52)	130 (117)	
Benzo(k)fluoranthene	2000	0	1800	ug/Kg	90				70 (57)	130 (134)	
Benzo(a)pyrene	2000	0	1800	ug/Kg	90				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2000	0	1800	ug/Kg	90				70 (40)	130 (129)	
Dibenz(a,h)anthracene	2000	0	1800	ug/Kg	90				70 (43)	130 (123)	
Benzo(g,h,i)perylene	2000	0	1800	ug/Kg	90				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	2000	0	1800	ug/Kg	90				70 (52)	130 (134)	
1,4-Dioxane	2000	0	1400	ug/Kg	70				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	2000	0	1800	ug/Kg	90				70 (24)	130 (146)	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2832 **Analytical Method:** SW8270E

Client: Portal Partners Tri-Venture **DataFile:** BP025416.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q2820-17MSD		**Client Sample ID: 88H-EMSD**									
Benzaldehyde	2000	0	1100	ug/Kg	55		0		20 (10)	160 (171)	30 (20)
Phenol	2000	0	1900	ug/Kg	95		5		20 (51)	160 (122)	30 (20)
bis(2-Chloroethyl)ether	2000	0	1700	ug/Kg	85		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	2000	0	1900	ug/Kg	95		5		70 (51)	130 (121)	30 (20)
2-Methylphenol	2000	0	1900	ug/Kg	95		5		70 (47)	130 (125)	30 (20)
2,2-oxybis(1-Chloropropane)	2000	0	1700	ug/Kg	85		0		70 (46)	130 (119)	30 (20)
Acetophenone	2000	0	1800	ug/Kg	90		6		70 (55)	130 (128)	30 (20)
3+4-Methylphenols	2000	0	1900	ug/Kg	95		5		20 (49)	160 (125)	30 (20)
N-Nitroso-di-n-propylamine	2000	0	1700	ug/Kg	85		6		70 (59)	130 (119)	30 (20)
Hexachloroethane	2000	0	1700	ug/Kg	85		0		20 (51)	160 (116)	30 (20)
Nitrobenzene	2000	0	1800	ug/Kg	90		6		70 (47)	130 (124)	30 (20)
Isophorone	2000	0	1800	ug/Kg	90		6		70 (49)	130 (127)	30 (20)
2-Nitrophenol	2000	0	1900	ug/Kg	95		5		70 (43)	130 (131)	30 (20)
2,4-Dimethylphenol	2000	0	2000	ug/Kg	100		5		70 (63)	130 (151)	30 (20)
bis(2-Chloroethoxy)methane	2000	0	1800	ug/Kg	90		6		70 (51)	130 (119)	30 (20)
2,4-Dichlorophenol	2000	0	2000	ug/Kg	100		5		70 (50)	130 (122)	30 (20)
Naphthalene	2000	0	1800	ug/Kg	90		6		70 (51)	130 (121)	30 (20)
4-Chloroaniline	2000	0	1000	ug/Kg	50	*	6		70 (10)	130 (100)	30 (20)
Hexachlorobutadiene	2000	0	1800	ug/Kg	90		6		70 (44)	130 (126)	30 (20)
Caprolactam	2000	0	1900	ug/Kg	95		5		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	2000	0	2000	ug/Kg	100		11		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	2000	0	1800	ug/Kg	90		6		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	4000	0	3600	ug/Kg	90		2		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2000	0	2000	ug/Kg	100		5		70 (33)	130 (141)	30 (20)
2,4,5-Trichlorophenol	2000	0	2000	ug/Kg	100		5		70 (38)	130 (135)	30 (20)
1,1-Biphenyl	2000	0	1800	ug/Kg	90		0		70 (55)	130 (131)	30 (20)
2-Chloronaphthalene	2000	0	1800	ug/Kg	90		0		70 (48)	130 (124)	30 (20)
2-Nitroaniline	2000	0	2000	ug/Kg	100		5		70 (47)	130 (134)	30 (20)
Dimethylphthalate	2000	0	1800	ug/Kg	90		0		70 (54)	130 (120)	30 (20)
Acenaphthylene	2000	0	1800	ug/Kg	90		0		70 (57)	130 (125)	30 (20)
2,6-Dinitrotoluene	2000	0	1900	ug/Kg	95		5		70 (48)	130 (127)	30 (20)
3-Nitroaniline	2000	0	1300	ug/Kg	65	*	8		70 (10)	130 (112)	30 (20)
Acenaphthene	2000	0	1800	ug/Kg	90		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	4000	0	4100	ug/Kg	103		5		20 (10)	160 (155)	30 (20)
4-Nitrophenol	4000	0	4000	ug/Kg	100		5		20 (10)	160 (175)	30 (20)
Dibenzofuran	2000	0	1800	ug/Kg	90		0		70 (52)	130 (114)	30 (20)
2,4-Dinitrotoluene	2000	0	2000	ug/Kg	100		5		70 (41)	130 (140)	30 (20)
Diethylphthalate	2000	0	1800	ug/Kg	90		0		70 (51)	130 (119)	30 (20)
4-Chlorophenyl-phenylether	2000	0	1800	ug/Kg	90		6		70 (48)	130 (122)	30 (20)
Fluorene	2000	0	1800	ug/Kg	90		6		70 (53)	130 (118)	30 (20)
4-Nitroaniline	2000	0	1800	ug/Kg	90		6		70 (29)	130 (140)	30 (20)
4,6-Dinitro-2-methylphenol	2000	0	1900	ug/Kg	95		5		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	2000	0	1800	ug/Kg	90		0		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2000	0	1800	ug/Kg	90		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2000	0	1800	ug/Kg	90		0		70 (67)	130 (118)	30 (20)
Atrazine	2000	0	1900	ug/Kg	95		5		70 (45)	130 (175)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2832 **Analytical Method:** SW8270E

Client: Portal Partners Tri-Venture **DataFile:** BP025416.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	4000	0	4000	ug/Kg	100		5		20 (13)	160 (153)	30 (20)
Phenanthrene	2000	0	1800	ug/Kg	90		0		70 (52)	130 (128)	30 (20)
Anthracene	2000	0	1800	ug/Kg	90		0		70 (62)	130 (124)	30 (20)
Carbazole	2000	0	1900	ug/Kg	95		5		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	2000	0	1900	ug/Kg	95		5		70 (55)	130 (125)	30 (20)
Fluoranthene	2000	0	1900	ug/Kg	95		5		70 (44)	130 (125)	30 (20)
Pyrene	2000	0	1800	ug/Kg	90		6		70 (37)	130 (122)	30 (20)
Butylbenzylphthalate	2000	0	1900	ug/Kg	95		5		70 (44)	130 (135)	30 (20)
3,3-Dichlorobenzidine	2000	0	1100	ug/Kg	55	*	10		70 (15)	130 (112)	30 (20)
Benzo(a)anthracene	2000	0	1900	ug/Kg	95		5		70 (53)	130 (119)	30 (20)
Chrysene	2000	0	1900	ug/Kg	95		5		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2000	0	1900	ug/Kg	95		5		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	2000	0	1900	ug/Kg	95		5		70 (51)	130 (156)	30 (20)
Benzo(b)fluoranthene	2000	0	1800	ug/Kg	90		0		70 (52)	130 (117)	30 (20)
Benzo(k)fluoranthene	2000	0	1900	ug/Kg	95		5		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2000	0	1900	ug/Kg	95		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2000	0	1900	ug/Kg	95		5		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2000	0	1900	ug/Kg	95		5		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2000	0	1800	ug/Kg	90		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	2000	0	1800	ug/Kg	90		0		70 (52)	130 (134)	30 (20)
1,4-Dioxane	2000	0	1500	ug/Kg	75		7		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2000	0	2000	ug/Kg	100		11		70 (24)	130 (146)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2832 **Analytical Method:** 8270E

Client: Portal Partners Tri-Venture **DataFile:** BP025407.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169228BS	Benzaldehyde	1700	890	ug/Kg	52				20 (10)	160 (133)	
	Phenol	1700	1500	ug/Kg	88				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				70 (60)	130 (101)	
	2-Chlorophenol	1700	1500	ug/Kg	88				70 (65)	130 (112)	
	2-Methylphenol	1700	1600	ug/Kg	94				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				70 (51)	130 (100)	
	Acetophenone	1700	1400	ug/Kg	82				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1500	ug/Kg	88				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				70 (63)	130 (95)	
	Hexachloroethane	1700	1400	ug/Kg	82				20 (72)	160 (108)	
	Nitrobenzene	1700	1500	ug/Kg	88				70 (57)	130 (101)	
	Isophorone	1700	1400	ug/Kg	82				70 (59)	130 (99)	
	2-Nitrophenol	1700	1500	ug/Kg	88				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	1100	ug/Kg	65		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				70 (53)	130 (98)	
	Caprolactam	1700	1600	ug/Kg	94				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Acenaphthylene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				70 (61)	130 (104)	
	3-Nitroaniline	1700	1200	ug/Kg	71				70 (28)	130 (100)	
	Acenaphthene	1700	1500	ug/Kg	88				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				20 (37)	160 (128)	
	4-Nitrophenol	3300	3200	ug/Kg	97				20 (48)	160 (119)	
	Dibenzofuran	1700	1500	ug/Kg	88				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	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	1600	ug/Kg	94				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				70 (66)	130 (102)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2832 **Analytical Method:** 8270E

Client: Portal Partners Tri-Venture **DataFile:** BP025407.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169228BS	Hexachlorobenzene	1700	1500	ug/Kg	88				70 (64)	130 (98)	
	Atrazine	1700	1500	ug/Kg	88				70 (47)	130 (152)	
	Pentachlorophenol	3300	3200	ug/Kg	97				20 (67)	160 (105)	
	Phenanthrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Anthracene	1700	1500	ug/Kg	88				70 (61)	130 (105)	
	Carbazole	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				70 (58)	130 (104)	
	Fluoranthene	1700	1500	ug/Kg	88				70 (57)	130 (107)	
	Pyrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (60)	130 (102)	
	Chrysene	1700	1500	ug/Kg	88				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				70 (53)	130 (101)	
	1,4-Dioxane	1700	1300	ug/Kg	76				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (108)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169228BL

Lab Name: Alliance | Contract: PORT06

Lab Code: ACE | SDG NO.: Q2832

Lab File ID: BP025406.D | Lab Sample ID: PB169228BL

Instrument ID: BNA_P | Date Extracted: 08/13/2025

Matrix: (soil/water) SOIL | Date Analyzed: 08/14/2025

Level: (low/med) LOW | Time Analyzed: 23:37

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169228BS	PB169228BS	BP025407.D	08/15/2025
88H-EMS	Q2820-17MS	BP025415.D	08/15/2025
88H-EMSD	Q2820-17MSD	BP025416.D	08/15/2025
TG-S03	Q2832-05	BP025467.D	08/18/2025
TG-S04	Q2832-07	BP025468.D	08/18/2025
TG-S05	Q2832-09	BP025537.D	08/21/2025
TG-S01	Q2832-01	BP025547.D	08/22/2025
TG-S02	Q2832-03	BP025548.D	08/22/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab File ID: BP025390.D DFTPP Injection Date: 08/14/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	81.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP025392.D	08/14/2025	12:33
SSTDICC005	SSTDICC005	BP025393.D	08/14/2025	13:15
SSTDICC010	SSTDICC010	BP025394.D	08/14/2025	13:56
SSTDICC020	SSTDICC020	BP025395.D	08/14/2025	14:38
SSTDICCC040	SSTDICCC040	BP025396.D	08/14/2025	15:19
SSTDICC050	SSTDICC050	BP025397.D	08/14/2025	16:01
SSTDICC060	SSTDICC060	BP025398.D	08/14/2025	16:42
SSTDICC080	SSTDICC080	BP025399.D	08/14/2025	17:24

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab File ID: BP025404.D DFTPP Injection Date: 08/14/2025

Instrument ID: BNA_P DFTPP Injection Time: 22:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	79.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025405.D	08/14/2025	22:56
PB169228BL	PB169228BL	BP025406.D	08/14/2025	23:37
PB169228BS	PB169228BS	BP025407.D	08/15/2025	00:18
88H-EMS	Q2820-17MS	BP025415.D	08/15/2025	05:48
88H-EMSD	Q2820-17MSD	BP025416.D	08/15/2025	06:29

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab File ID: BP025454.D DFTPP Injection Date: 08/18/2025

Instrument ID: BNA_P DFTPP Injection Time: 08:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	78.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.8 (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	BP025455.D	08/18/2025	10:39
TG-S03	Q2832-05	BP025467.D	08/18/2025	18:58
TG-S04	Q2832-07	BP025468.D	08/18/2025	19:39

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: PORT06

Lab Code: ACE | SDG NO.: Q2832

Lab File ID: BP025527.D | DFTPP Injection Date: 08/21/2025

Instrument ID: BNA_P | DFTPP Injection Time: 06:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	79.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025528.D	08/21/2025	06:42
TG-S05	Q2832-09	BP025537.D	08/21/2025	12:53

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2832

Lab File ID: BP025543.D DFTPP Injection Date: 08/22/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	78.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025544.D	08/22/2025	10:49
TG-S01	Q2832-01	BP025547.D	08/22/2025	13:32
TG-S02	Q2832-03	BP025548.D	08/22/2025	14:13

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2832

Client ID : SSTDCCC040 Date Analyzed: 08/14/2025

Lab File ID: BP025405.D Time Analyzed: 22:56

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	125696	7.79	523394	10.55	347617	14.40
	UPPER LIMIT	251392	8.29	1046790	11.054	695234	14.901
	LOWER LIMIT	62848	7.29	261697	10.054	173809	13.901
	EPA SAMPLE NO.						
01	PB169228BL	151255	7.79	580467	10.55	375906	14.40
02	PB169228BS	147030	7.79	606682	10.55	410001	14.40
03	88H-EMS	150786	7.79	605832	10.57	386320	14.40
04	88H-EMSD	152229	7.80	611748	10.56	408254	14.41

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2832

Client ID: SSTDCCC040 Date Analyzed: 08/14/2025

Lab File ID: BP025405.D Time Analyzed: 22:56

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	711916	17.201	755861	21.642	870596	25.007
	UPPER LIMIT	1423830	17.701	1511720	22.142	1741190	25.507
	LOWER LIMIT	355958	16.701	377931	21.142	435298	24.507
	EPA SAMPLE NO.						
01	PB169228BL	766364	17.20	917581	21.64	1039280	25.02
02	PB169228BS	838541	17.19	848930	21.64	946447	25.02
03	88H-EMS	780287	17.20	875377	21.64	1000600	25.00
04	88H-EMSD	837667	17.20	921761	21.65	1086410	25.02

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2832

Client ID : SSTDCCC040 Date Analyzed: 08/18/2025

Lab File ID: BP025455.D Time Analyzed: 10:39

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	129439	7.778	550485	10.55	359982	14.40
	UPPER LIMIT	258878	8.278	1100970	11.048	719964	14.901
	LOWER LIMIT	64719.5	7.278	275243	10.048	179991	13.901
	EPA SAMPLE NO.						
01	TG-S03	166743	7.79	660243	10.56	424895	14.41
02	TG-S04	164690	7.79	657475	10.56	417913	14.40

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2832

Client ID: SSTDCCC040 Date Analyzed: 08/18/2025

Lab File ID: BP025455.D Time Analyzed: 10:39

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	707933	17.189	748424	21.63	846697	25
	UPPER LIMIT	1415870	17.689	1496850	22.13	1693390	25.5
	LOWER LIMIT	353967	16.689	374212	21.13	423349	24.5
	EPA SAMPLE NO.						
01	TG-S03	851839	17.21	883261	21.64	1051670	25.01
02	TG-S04	832801	17.20	885684	21.62	1055310	25.00

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2832

Client ID : SSTDCCC040 Date Analyzed: 08/21/2025

Lab File ID: BP025528.D Time Analyzed: 06:42

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	210336	7.79	893021	10.56	582847	14.40
	UPPER LIMIT	420672	8.29	1786040	11.06	1165690	14.901
	LOWER LIMIT	105168	7.29	446511	10.06	291424	13.901
	EPA SAMPLE NO.						
01	TG-S05	185117	7.78	725235	10.55	450660	14.40

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2832

Client ID: SSTDCCC040 Date Analyzed: 08/21/2025

Lab File ID: BP025528.D Time Analyzed: 06:42

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	1185140	17.201	966898	21.642	954709	25.001
	UPPER LIMIT	2370280	17.701	1933800	22.142	1909420	25.501
	LOWER LIMIT	592570	16.701	483449	21.142	477355	24.501
	EPA SAMPLE NO.						
01	TG-S05	892132	17.21	915666	21.65	1087700	25.04

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2832

Client ID : SSTDCCC040 Date Analyzed: 08/22/2025

Lab File ID: BP025544.D Time Analyzed: 10:49

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	137158	7.778	591885	10.55	400784	14.39
	UPPER LIMIT	274316	8.278	1183770	11.048	801568	14.889
	LOWER LIMIT	68579	7.278	295943	10.048	200392	13.889
	EPA SAMPLE NO.						
01	TG-S01	203646	7.78	856804	10.54	567110	14.38
02	TG-S02	182769	7.78	732501	10.55	473220	14.40

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2832

Client ID: SSTDCCC040 Date Analyzed: 08/22/2025

Lab File ID: BP025544.D Time Analyzed: 10:49

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	833863	17.189	897419	21.624	1034530	24.989
	UPPER LIMIT	1667730	17.689	1794840	22.124	2069060	25.489
	LOWER LIMIT	416932	16.689	448710	21.124	517265	24.489
	EPA SAMPLE NO.						
01	TG-S01	1156510	17.19	1172170	21.64	1294510	25.01
02	TG-S02	960991	17.19	1021550	21.62	1175390	24.97

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.
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QC SAMPLE DATA

Raw Data: **BP025406.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169228BL	SDG No.:	Q2832
Lab Sample ID:	PB169228BL	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
BP025406.D	1	08/13/25 09:05	08/14/25 23:37	PB169228

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169228BL	SDG No.:	Q2832
Lab Sample ID:	PB169228BL	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
BP025406.D	1	08/13/25 09:05	08/14/25 23:37	PB169228

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

Raw Data: **BP025406.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169228BL	SDG No.:	Q2832
Lab Sample ID:	PB169228BL	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
BP025406.D	1	08/13/25 09:05	08/14/25 23:37	PB169228

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)	82%	SPK: 150
13127-88-3	Phenol-d6	118		30 (15) - 130 (107)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.2		30 (18) - 130 (107)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.0		30 (20) - 130 (109)	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		30 (10) - 130 (116)	83%	SPK: 150
1718-51-0	Terphenyl-d14	73.2		30 (10) - 130 (105)	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	151000	7.79			
1146-65-2	Naphthalene-d8	580000	10.554			
15067-26-2	Acenaphthene-d10	376000	14.401			
1517-22-2	Phenanthrene-d10	766000	17.201			
1719-03-5	Chrysene-d12	918000	21.642			
1520-96-3	Perylene-d12	1040000	25.018			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	A		4.95	ug/Kg

Raw Data: **BP025406.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169228BL	SDG No.:	Q2832
Lab Sample ID:	PB169228BL	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
BP025406.D	1	08/13/25 09:05	08/14/25 23:37	PB169228

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169228BS	SDG No.:	Q2832
Lab Sample ID:	PB169228BS	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
BP025407.D	1	08/13/25 09:05	08/15/25 00:18	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	890		160	330	ug/Kg
108-95-2	Phenol	1500		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1500		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1600		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1400		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	1400		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1400		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		28.3	170	ug/Kg
91-20-3	Naphthalene	1400		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	1100		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		25.3	170	ug/Kg
105-60-2	Caprolactam	1600		52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

Raw Data: **BP025407.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169228BS	SDG No.:	Q2832
Lab Sample ID:	PB169228BS	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
BP025407.D	1	08/13/25 09:05	08/15/25 00:18	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1200		46.0	170	ug/Kg
83-32-9	Acenaphthene	1500		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3600	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		50.1	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		64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		25.3	170	ug/Kg
1912-24-9	Atrazine	1500		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	51.3	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		47.9	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1500		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	170	ug/Kg

Raw Data: **BP025407.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169228BS	SDG No.:	Q2832
Lab Sample ID:	PB169228BS	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
BP025407.D	1	08/13/25 09:05	08/15/25 00:18	PB169228

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	1600		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		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	1600		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	125		30 (18) - 130 (112)	84%	SPK: 150
13127-88-3	Phenol-d6	126		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.0		30 (18) - 130 (107)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.2		30 (20) - 130 (109)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		30 (10) - 130 (116)	85%	SPK: 150
1718-51-0	Terphenyl-d14	77.4		30 (10) - 130 (105)	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	147000	7.79			
1146-65-2	Naphthalene-d8	607000	10.554			
15067-26-2	Acenaphthene-d10	410000	14.401			
1517-22-2	Phenanthrene-d10	839000	17.189			
1719-03-5	Chrysene-d12	849000	21.642			
1520-96-3	Perylene-d12	946000	25.018			

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

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

Raw Data: **BP025415.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/08/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/08/25
Client Sample ID:	88H-EMS	SDG No.:	Q2832
Lab Sample ID:	Q2820-17MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
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
BP025415.D	1	08/13/25 09:05	08/15/25 05:48	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		190	400	ug/Kg
108-95-2	Phenol	1800		26.7	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		29.4	210	ug/Kg
95-57-8	2-Chlorophenol	1800		29.5	210	ug/Kg
95-48-7	2-Methylphenol	1800		36.2	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		45.4	210	ug/Kg
98-86-2	Acetophenone	1700		35.7	210	ug/Kg
65794-96-9	3+4-Methylphenols	1800		49.7	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		57.3	96.8	ug/Kg
67-72-1	Hexachloroethane	1700		21.3	210	ug/Kg
98-95-3	Nitrobenzene	1700		22.1	210	ug/Kg
78-59-1	Isophorone	1700		39.7	210	ug/Kg
88-75-5	2-Nitrophenol	1800		70.4	210	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		78.4	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		37.3	210	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		34.2	210	ug/Kg
91-20-3	Naphthalene	1700		27.5	210	ug/Kg
106-47-8	4-Chloroaniline	930		42.8	210	ug/Kg
87-68-3	Hexachlorobutadiene	1700		30.6	210	ug/Kg
105-60-2	Caprolactam	1800		63.0	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		34.7	210	ug/Kg
91-57-6	2-Methylnaphthalene	1700		31.0	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	E	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		23.9	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		35.2	210	ug/Kg
92-52-4	1,1-Biphenyl	1800		26.4	210	ug/Kg
91-58-7	2-Chloronaphthalene	1800		27.2	210	ug/Kg
88-74-4	2-Nitroaniline	1900		58.2	210	ug/Kg
131-11-3	Dimethylphthalate	1800		32.8	210	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/08/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/08/25
Client Sample ID:	88H-EMS	SDG No.:	Q2832
Lab Sample ID:	Q2820-17MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
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
BP025415.D	1	08/13/25 09:05	08/15/25 05:48	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		35.0	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		40.6	210	ug/Kg
99-09-2	3-Nitroaniline	1200		55.6	210	ug/Kg
83-32-9	Acenaphthene	1800		25.8	210	ug/Kg
51-28-5	2,4-Dinitrophenol	3900	E	280	400	ug/Kg
100-02-7	4-Nitrophenol	3800	E	130	400	ug/Kg
132-64-9	Dibenzofuran	1800		27.5	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		60.6	210	ug/Kg
84-66-2	Diethylphthalate	1800		34.2	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		32.3	210	ug/Kg
86-73-7	Fluorene	1700		30.6	210	ug/Kg
100-01-6	4-Nitroaniline	1700		77.6	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		120	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		39.8	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		33.6	210	ug/Kg
118-74-1	Hexachlorobenzene	1800		30.6	210	ug/Kg
1912-24-9	Atrazine	1800		41.1	210	ug/Kg
87-86-5	Pentachlorophenol	3800	E	62.0	400	ug/Kg
85-01-8	Phenanthrene	1800		25.3	210	ug/Kg
120-12-7	Anthracene	1800		40.3	210	ug/Kg
86-74-8	Carbazole	1800		37.7	210	ug/Kg
84-74-2	Di-n-butylphthalate	1800		57.9	210	ug/Kg
206-44-0	Fluoranthene	1800		36.3	210	ug/Kg
129-00-0	Pyrene	1700		43.5	210	ug/Kg
85-68-7	Butylbenzylphthalate	1800		86.4	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		44.4	400	ug/Kg
56-55-3	Benzo(a)anthracene	1800		27.8	210	ug/Kg
218-01-9	Chrysene	1800		24.1	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		71.6	210	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		23.0	210	ug/Kg

Raw Data: **BP025415.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/08/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/08/25
Client Sample ID:	88H-EMS	SDG No.:	Q2832
Lab Sample ID:	Q2820-17MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
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
BP025415.D	1	08/13/25 09:05	08/15/25 05:48	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		27.1	210	ug/Kg
50-32-8	Benzo(a)pyrene	1800		35.7	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		35.2	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		33.1	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		31.1	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		31.0	210	ug/Kg
123-91-1	1,4-Dioxane	1400		54.7	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		33.1	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	84.6		30 (18) - 130 (112)	56%	SPK: 150
13127-88-3	Phenol-d6	85.7		30 (15) - 130 (107)	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.9		30 (18) - 130 (107)	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.8		30 (20) - 130 (109)	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	84.8		30 (10) - 130 (116)	57%	SPK: 150
1718-51-0	Terphenyl-d14	45.7		30 (10) - 130 (105)	46%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	151000	7.79			
1146-65-2	Naphthalene-d8	606000	10.566			
15067-26-2	Acenaphthene-d10	386000	14.395			
1517-22-2	Phenanthrene-d10	780000	17.195			
1719-03-5	Chrysene-d12	875000	21.642			
1520-96-3	Perylene-d12	1000000	25.001			

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

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/08/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/08/25
Client Sample ID:	88H-EMSD	SDG No.:	Q2832
Lab Sample ID:	Q2820-17MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025416.D	1	08/13/25 09:05	08/15/25 06:29	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		190	400	ug/Kg
108-95-2	Phenol	1900		26.7	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		29.4	210	ug/Kg
95-57-8	2-Chlorophenol	1900		29.5	210	ug/Kg
95-48-7	2-Methylphenol	1900		36.1	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		45.3	210	ug/Kg
98-86-2	Acetophenone	1800		35.7	210	ug/Kg
65794-96-9	3+4-Methylphenols	1900		49.7	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		57.3	96.7	ug/Kg
67-72-1	Hexachloroethane	1700		21.3	210	ug/Kg
98-95-3	Nitrobenzene	1800		22.1	210	ug/Kg
78-59-1	Isophorone	1800		39.6	210	ug/Kg
88-75-5	2-Nitrophenol	1900		70.3	210	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		78.3	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		37.2	210	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		34.2	210	ug/Kg
91-20-3	Naphthalene	1800		27.4	210	ug/Kg
106-47-8	4-Chloroaniline	1000		42.8	210	ug/Kg
87-68-3	Hexachlorobutadiene	1800		30.6	210	ug/Kg
105-60-2	Caprolactam	1900		63.0	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2000		34.7	210	ug/Kg
91-57-6	2-Methylnaphthalene	1800		30.9	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3600	E	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		23.9	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		35.2	210	ug/Kg
92-52-4	1,1-Biphenyl	1800		26.3	210	ug/Kg
91-58-7	2-Chloronaphthalene	1800		27.2	210	ug/Kg
88-74-4	2-Nitroaniline	2000		58.1	210	ug/Kg
131-11-3	Dimethylphthalate	1800		32.8	210	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/08/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/08/25
Client Sample ID:	88H-EMSD	SDG No.:	Q2832
Lab Sample ID:	Q2820-17MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025416.D	1	08/13/25 09:05	08/15/25 06:29	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		34.9	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		40.6	210	ug/Kg
99-09-2	3-Nitroaniline	1300		55.6	210	ug/Kg
83-32-9	Acenaphthene	1800		25.7	210	ug/Kg
51-28-5	2,4-Dinitrophenol	4100	E	280	400	ug/Kg
100-02-7	4-Nitrophenol	4000	E	130	400	ug/Kg
132-64-9	Dibenzofuran	1800		27.4	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		60.6	210	ug/Kg
84-66-2	Diethylphthalate	1800		34.2	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		32.3	210	ug/Kg
86-73-7	Fluorene	1800		30.6	210	ug/Kg
100-01-6	4-Nitroaniline	1800		77.6	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		39.8	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		33.6	210	ug/Kg
118-74-1	Hexachlorobenzene	1800		30.6	210	ug/Kg
1912-24-9	Atrazine	1900		41.1	210	ug/Kg
87-86-5	Pentachlorophenol	4000	E	62.0	400	ug/Kg
85-01-8	Phenanthrene	1800		25.3	210	ug/Kg
120-12-7	Anthracene	1800		40.2	210	ug/Kg
86-74-8	Carbazole	1900		37.7	210	ug/Kg
84-74-2	Di-n-butylphthalate	1900		57.9	210	ug/Kg
206-44-0	Fluoranthene	1900		36.3	210	ug/Kg
129-00-0	Pyrene	1800		43.5	210	ug/Kg
85-68-7	Butylbenzylphthalate	1900		86.3	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		44.4	400	ug/Kg
56-55-3	Benzo(a)anthracene	1900		27.8	210	ug/Kg
218-01-9	Chrysene	1900		24.1	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		71.6	210	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		23.0	210	ug/Kg

Raw Data: **BP025416.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/08/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/08/25
Client Sample ID:	88H-EMSD	SDG No.:	Q2832
Lab Sample ID:	Q2820-17MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025416.D	1	08/13/25 09:05	08/15/25 06:29	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1900		27.1	210	ug/Kg
50-32-8	Benzo(a)pyrene	1900		35.7	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		35.2	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		33.1	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		31.1	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		30.9	210	ug/Kg
123-91-1	1,4-Dioxane	1500		54.6	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		33.1	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	88.1		30 (18) - 130 (112)	59%	SPK: 150
13127-88-3	Phenol-d6	89.6		30 (15) - 130 (107)	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.5		30 (18) - 130 (107)	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.8		30 (20) - 130 (109)	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.7		30 (10) - 130 (116)	60%	SPK: 150
1718-51-0	Terphenyl-d14	48.8		30 (10) - 130 (105)	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	152000	7.795			
1146-65-2	Naphthalene-d8	612000	10.56			
15067-26-2	Acenaphthene-d10	408000	14.407			
1517-22-2	Phenanthrene-d10	838000	17.201			
1719-03-5	Chrysene-d12	922000	21.648			
1520-96-3	Perylene-d12	1090000	25.024			

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

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

CALIBRATION SUMMARY

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP025392.D 5 =BP025393.D 10 =BP025394.D 20 =BP025395.D 40 =BP025396.D 50 =BP025397.D 60 =BP025398.D 80 =BP0253
99.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.520	0.464	0.475	0.445	0.479	0.462	0.458	0.472	5.07
3)		Pyridine		1.446	1.250	1.256	1.220	1.317	1.281	1.268	1.291	5.77
4)		n-Nitrosodimet...			0.515	0.512	0.511	0.559	0.555	0.541	0.532	4.13
5)	S	2-Fluorophenol		1.232	1.177	1.194	1.162	1.240	1.226	1.199	1.204	2.42
6)		Aniline		2.098	1.962	2.030	2.020	2.194	2.164	2.094	2.080	3.96
7)	S	Phenol-d6		1.483	1.467	1.533	1.513	1.641	1.609	1.563	1.544	4.16
8)		2-Chlorophenol		1.351	1.283	1.347	1.313	1.428	1.414	1.378	1.359	3.83
9)		Benzaldehyde			0.987	0.956	1.366	1.262	1.005	0.915	1.082	17.12
10)	C	Phenol		1.594	1.529	1.613	1.575	1.707	1.688	1.635	1.620	3.87
11)		bis(2-Chloroet...		1.283	1.183	1.273	1.222	1.321	1.303	1.255	1.263	3.78
12)		1,3-Dichlorobe...		1.532	1.433	1.503	1.443	1.555	1.530	1.493	1.499	3.07
13)	C	1,4-Dichlorobe...		1.587	1.490	1.527	1.467	1.596	1.544	1.510	1.532	3.12
14)		1,2-Dichlorobe...		1.558	1.430	1.491	1.431	1.533	1.487	1.449	1.483	3.35
15)		Benzyl Alcohol			1.138	1.205	1.193	1.287	1.289	1.250	1.227	4.83
16)		2,2'-oxybis(1-...		1.762	1.592	1.712	1.620	1.751	1.740	1.665	1.692	3.96
17)		2-Methylphenol		1.075	1.030	1.123	1.107	1.198	1.191	1.154	1.125	5.41
18)		Hexachloroethane		0.577	0.544	0.552	0.545	0.588	0.578	0.559	0.563	3.13
19)	P	n-Nitroso-di-n...	1.014	1.066	0.959	1.056	0.992	1.053	1.042	1.000	1.023	3.68
20)		3+4-Methylphenols			1.442	1.533	1.525	1.639	1.640	1.580	1.560	4.87
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.515	0.487	0.506	0.485	0.523	0.506	0.488	0.502	2.96
23)	S	Nitrobenzene-d5		0.395	0.376	0.392	0.383	0.419	0.408	0.394	0.395	3.65
24)		Nitrobenzene		0.350	0.342	0.348	0.344	0.375	0.362	0.352	0.353	3.21
25)		Isophorone		0.734	0.672	0.700	0.674	0.730	0.709	0.680	0.700	3.70
26)	C	2-Nitrophenol		0.167	0.163	0.177	0.181	0.197	0.195	0.190	0.181	7.43
27)		2,4-Dimethylph...		0.303	0.303	0.296	0.308	0.336	0.325	0.313	0.312	4.46
28)		bis(2-Chloroet...		0.443	0.407	0.425	0.407	0.439	0.430	0.410	0.423	3.61
29)	C	2,4-Dichloroph...		0.293	0.293	0.308	0.305	0.331	0.324	0.314	0.310	4.71
30)		1,2,4-Trichlor...		0.357	0.329	0.335	0.327	0.354	0.344	0.332	0.340	3.61
31)		Naphthalene		1.069	1.020	1.037	1.000	1.087	1.052	1.011	1.040	3.06
32)		Benzoic acid			0.188	0.207	0.227	0.249	0.255	0.255	0.230	12.20
33)		4-Chloroaniline		0.453	0.435	0.447	0.452	0.492	0.478	0.458	0.459	4.19
34)	C	Hexachlorobuta...		0.222	0.205	0.211	0.205	0.218	0.213	0.207	0.211	3.05
35)		Caprolactam			0.114	0.110	0.109	0.120	0.116	0.113	0.114	3.67
36)	C	4-Chloro-3-met...		0.366	0.335	0.347	0.346	0.373	0.368	0.353	0.355	3.85
37)		2-Methylnaphth...		0.716	0.653	0.678	0.652	0.700	0.682	0.654	0.676	3.69
38)		1-Methylnaphth...		0.777	0.706	0.713	0.686	0.751	0.719	0.685	0.719	4.67

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

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

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

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

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2832

Instrument ID: BNA_P Calibration Date/Time: 08/14/2025 22:56

Lab File ID: BP025405.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.221		1.4	
Benzaldehyde	1.082	1.279		18.2	
Phenol-d6	1.544	1.575		2.0	
Phenol	1.620	1.651		1.9	20.0
bis(2-Chloroethyl)ether	1.263	1.264		0.1	
2-Chlorophenol	1.359	1.370		0.8	
2-Methylphenol	1.125	1.148		2.0	
2,2-oxybis(1-Chloropropane)	1.692	1.659		-2.0	
Acetophenone	0.502	0.513		2.2	
3+4-Methylphenols	1.560	1.590		1.9	
n-Nitroso-di-n-propylamine	1.023	1.040	0.050	1.7	
Nitrobenzene-d5	0.395	0.403		2.0	
Hexachloroethane	0.563	0.560		-0.5	
Nitrobenzene	0.353	0.363		2.8	
Isophorone	0.700	0.711		1.6	
2-Nitrophenol	0.181	0.186		2.8	20.0
2,4-Dimethylphenol	0.312	0.321		2.9	
bis(2-Chloroethoxy)methane	0.423	0.422		-0.2	
2,4-Dichlorophenol	0.310	0.322		3.9	20.0
Naphthalene	1.040	1.045		0.5	
4-Chloroaniline	0.459	0.473		3.0	
Hexachlorobutadiene	0.211	0.214		1.4	20.0
Caprolactam	0.114	0.118		3.5	
4-Chloro-3-methylphenol	0.355	0.369		3.9	20.0
2-Methylnaphthalene	0.676	0.674		-0.3	
Hexachlorocyclopentadiene	0.349	0.374	0.050	7.2	
2,4,6-Trichlorophenol	0.390	0.400		2.6	20.0
2-Fluorobiphenyl	1.463	1.470		0.5	
2,4,5-Trichlorophenol	0.427	0.443		3.7	
1,1-Biphenyl	1.453	1.450		-0.2	
2-Chloronaphthalene	1.131	1.140		0.7	
2-Nitroaniline	0.329	0.349		6.1	
Dimethylphthalate	1.465	1.497		2.2	
Acenaphthylene	1.871	1.926		2.9	
2,6-Dinitrotoluene	0.309	0.323		4.5	
3-Nitroaniline	0.347	0.364		4.9	
Acenaphthene	1.098	1.125		2.5	20.0
2,4-Dinitrophenol	0.165	0.172	0.050	4.2	
4-Nitrophenol	0.285	0.297	0.050	4.2	

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2832

Instrument ID: BNA_P Calibration Date/Time: 08/14/2025 22:56

Lab File ID: BP025405.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.746		0.6	
2,4-Dinitrotoluene	0.440	0.467		6.1	
Diethylphthalate	1.488	1.506		1.2	
4-Chlorophenyl-phenylether	0.681	0.685		0.6	
Fluorene	1.370	1.387		1.2	
4-Nitroaniline	0.356	0.376		5.6	
4,6-Dinitro-2-methylphenol	0.125	0.127		1.6	
n-Nitrosodiphenylamine	0.610	0.607		-0.5	20.0
2,4,6-Tribromophenol	0.269	0.276		2.6	
4-Bromophenyl-phenylether	0.220	0.218		-0.9	
Hexachlorobenzene	0.255	0.254		-0.4	
Atrazine	0.228	0.232		1.8	
Pentachlorophenol	0.161	0.180		11.8	20.0
Phenanthrene	1.099	1.097		-0.2	
Anthracene	1.122	1.124		0.2	
Carbazole	1.057	1.074		1.6	
Di-n-butylphthalate	1.300	1.303		0.2	
Fluoranthene	1.311	1.320		0.7	20.0
Pyrene	1.300	1.275		-1.9	
Terphenyl-d14	1.093	1.068		-2.3	
Butylbenzylphthalate	0.589	0.588		-0.2	
3,3-Dichlorobenzidine	0.497	0.510		2.6	
Benzo(a)anthracene	1.319	1.331		0.9	
Chrysene	1.235	1.253		1.5	
Bis(2-ethylhexyl)phthalate	0.867	0.857		-1.2	
Di-n-octyl phthalate	1.492	1.484		-0.5	20.0
Benzo(b)fluoranthene	1.179	1.199		1.7	
Benzo(k)fluoranthene	1.180	1.177		-0.3	
Benzo(a)pyrene	1.148	1.151		0.3	20.0
Indeno(1,2,3-cd)pyrene	1.467	1.475		0.5	
Dibenzo(a,h)anthracene	1.199	1.208		0.8	
Benzo(g,h,i)perylene	1.178	1.184		0.5	
1,2,4,5-Tetrachlorobenzene	0.578	0.583		0.9	
1,4-Dioxane	0.472	0.477		1.1	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.395		4.8	

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2832

Instrument ID: BNA_P Calibration Date/Time: 08/18/2025 10:39

Lab File ID: BP025455.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.235		2.6	
Benzaldehyde	1.082	1.303		20.4	
Phenol-d6	1.544	1.590		3.0	
Phenol	1.620	1.656		2.2	20.0
bis(2-Chloroethyl)ether	1.263	1.286		1.8	
2-Chlorophenol	1.359	1.381		1.6	
2-Methylphenol	1.125	1.153		2.5	
2,2-oxybis(1-Chloropropane)	1.692	1.765		4.3	
Acetophenone	0.502	0.501		-0.2	
3+4-Methylphenols	1.560	1.576		1.0	
n-Nitroso-di-n-propylamine	1.023	1.040	0.050	1.7	
Nitrobenzene-d5	0.395	0.398		0.8	
Hexachloroethane	0.563	0.576		2.3	
Nitrobenzene	0.353	0.357		1.1	
Isophorone	0.700	0.685		-2.1	
2-Nitrophenol	0.181	0.183		1.1	20.0
2,4-Dimethylphenol	0.312	0.308		-1.3	
bis(2-Chloroethoxy)methane	0.423	0.425		0.5	
2,4-Dichlorophenol	0.310	0.317		2.3	20.0
Naphthalene	1.040	1.026		-1.3	
4-Chloroaniline	0.459	0.458		-0.2	
Hexachlorobutadiene	0.211	0.207		-1.9	20.0
Caprolactam	0.114	0.113		-0.9	
4-Chloro-3-methylphenol	0.355	0.363		2.3	20.0
2-Methylnaphthalene	0.676	0.668		-1.2	
Hexachlorocyclopentadiene	0.349	0.479	0.050	37.2	
2,4,6-Trichlorophenol	0.390	0.407		4.4	20.0
2-Fluorobiphenyl	1.463	1.437		-1.8	
2,4,5-Trichlorophenol	0.427	0.443		3.7	
1,1-Biphenyl	1.453	1.458		0.3	
2-Chloronaphthalene	1.131	1.121		-0.9	
2-Nitroaniline	0.329	0.352		7.0	
Dimethylphthalate	1.465	1.456		-0.6	
Acenaphthylene	1.871	1.865		-0.3	
2,6-Dinitrotoluene	0.309	0.319		3.2	
3-Nitroaniline	0.347	0.358		3.2	
Acenaphthene	1.098	1.088		-0.9	20.0
2,4-Dinitrophenol	0.165	0.167	0.050	1.2	
4-Nitrophenol	0.285	0.290	0.050	1.8	

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2832

Instrument ID: BNA_P Calibration Date/Time: 08/18/2025 10:39

Lab File ID: BP025455.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.717		-1.1	
2,4-Dinitrotoluene	0.440	0.450		2.3	
Diethylphthalate	1.488	1.500		0.8	
4-Chlorophenyl-phenylether	0.681	0.663		-2.6	
Fluorene	1.370	1.347		-1.7	
4-Nitroaniline	0.356	0.365		2.5	
4,6-Dinitro-2-methylphenol	0.125	0.116		-7.2	
n-Nitrosodiphenylamine	0.610	0.623		2.1	20.0
2,4,6-Tribromophenol	0.269	0.270		0.4	
4-Bromophenyl-phenylether	0.220	0.224		1.8	
Hexachlorobenzene	0.255	0.253		-0.8	
Atrazine	0.228	0.233		2.2	
Pentachlorophenol	0.161	0.154		-4.3	20.0
Phenanthrene	1.099	1.124		2.3	
Anthracene	1.122	1.138		1.4	
Carbazole	1.057	1.069		1.1	
Di-n-butylphthalate	1.300	1.334		2.6	
Fluoranthene	1.311	1.325		1.1	20.0
Pyrene	1.300	1.310		0.8	
Terphenyl-d14	1.093	1.084		-0.8	
Butylbenzylphthalate	0.589	0.592		0.5	
3,3-Dichlorobenzidine	0.497	0.490		-1.4	
Benzo(a)anthracene	1.319	1.322		0.2	
Chrysene	1.235	1.263		2.3	
Bis(2-ethylhexyl)phthalate	0.867	0.880		1.5	
Di-n-octyl phthalate	1.492	1.489		-0.2	20.0
Benzo(b)fluoranthene	1.179	1.212		2.8	
Benzo(k)fluoranthene	1.180	1.195		1.3	
Benzo(a)pyrene	1.148	1.152		0.3	20.0
Indeno(1,2,3-cd)pyrene	1.467	1.451		-1.1	
Dibenzo(a,h)anthracene	1.199	1.196		-0.3	
Benzo(g,h,i)perylene	1.178	1.171		-0.6	
1,2,4,5-Tetrachlorobenzene	0.578	0.569		-1.6	
1,4-Dioxane	0.472	0.474		0.4	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.395		4.8	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2832

Instrument ID: BNA_P Calibration Date/Time: 08/21/2025 06:42

Lab File ID: BP025528.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.211		0.6	
Benzaldehyde	1.082	1.331		23.0	
Phenol-d6	1.544	1.588		2.8	
Phenol	1.620	1.664		2.7	20.0
bis(2-Chloroethyl)ether	1.263	1.271		0.6	
2-Chlorophenol	1.359	1.383		1.8	
2-Methylphenol	1.125	1.159		3.0	
2,2-oxybis(1-Chloropropane)	1.692	1.822		7.7	
Acetophenone	0.502	0.505		0.6	
3+4-Methylphenols	1.560	1.594		2.2	
n-Nitroso-di-n-propylamine	1.023	1.037	0.050	1.4	
Nitrobenzene-d5	0.395	0.404		2.3	
Hexachloroethane	0.563	0.574		2.0	
Nitrobenzene	0.353	0.365		3.4	
Isophorone	0.700	0.714		2.0	
2-Nitrophenol	0.181	0.186		2.8	20.0
2,4-Dimethylphenol	0.312	0.319		2.2	
bis(2-Chloroethoxy)methane	0.423	0.421		-0.5	
2,4-Dichlorophenol	0.310	0.312		0.6	20.0
Naphthalene	1.040	1.015		-2.4	
4-Chloroaniline	0.459	0.465		1.3	
Hexachlorobutadiene	0.211	0.208		-1.4	20.0
Caprolactam	0.114	0.116		1.8	
4-Chloro-3-methylphenol	0.355	0.366		3.1	20.0
2-Methylnaphthalene	0.676	0.671		-0.7	
Hexachlorocyclopentadiene	0.349	0.350	0.050	0.3	
2,4,6-Trichlorophenol	0.390	0.410		5.1	20.0
2-Fluorobiphenyl	1.463	1.383		-5.5	
2,4,5-Trichlorophenol	0.427	0.446		4.4	
1,1-Biphenyl	1.453	1.459		0.4	
2-Chloronaphthalene	1.131	1.124		-0.6	
2-Nitroaniline	0.329	0.374		13.7	
Dimethylphthalate	1.465	1.502		2.5	
Acenaphthylene	1.871	1.868		-0.2	
2,6-Dinitrotoluene	0.309	0.330		6.8	
3-Nitroaniline	0.347	0.367		5.8	
Acenaphthene	1.098	1.075		-2.1	20.0
2,4-Dinitrophenol	0.165	0.174	0.050	5.5	
4-Nitrophenol	0.285	0.307	0.050	7.7	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2832

Instrument ID: BNA_P Calibration Date/Time: 08/21/2025 06:42

Lab File ID: BP025528.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.733		-0.2	
2,4-Dinitrotoluene	0.440	0.482		9.5	
Diethylphthalate	1.488	1.538		3.4	
4-Chlorophenyl-phenylether	0.681	0.648		-4.8	
Fluorene	1.370	1.312		-4.2	
4-Nitroaniline	0.356	0.363		2.0	
4,6-Dinitro-2-methylphenol	0.125	0.131		4.8	
n-Nitrosodiphenylamine	0.610	0.601		-1.5	20.0
2,4,6-Tribromophenol	0.269	0.274		1.9	
4-Bromophenyl-phenylether	0.220	0.217		-1.4	
Hexachlorobenzene	0.255	0.250		-2.0	
Atrazine	0.228	0.231		1.3	
Pentachlorophenol	0.161	0.169		5.0	20.0
Phenanthrene	1.099	1.074		-2.3	
Anthracene	1.122	1.087		-3.1	
Carbazole	1.057	1.024		-3.1	
Di-n-butylphthalate	1.300	1.302		0.2	
Fluoranthene	1.311	1.222		-6.8	20.0
Pyrene	1.300	1.517		16.7	
Terphenyl-d14	1.093	1.224		12.0	
Butylbenzylphthalate	0.589	0.681		15.6	
3,3-Dichlorobenzidine	0.497	0.463		-6.8	
Benzo(a)anthracene	1.319	1.317		-0.2	
Chrysene	1.235	1.220		-1.2	
Bis(2-ethylhexyl)phthalate	0.867	0.908		4.7	
Di-n-octyl phthalate	1.492	1.357		-9.0	20.0
Benzo(b)fluoranthene	1.179	1.178		-0.1	
Benzo(k)fluoranthene	1.180	1.160		-1.7	
Benzo(a)pyrene	1.148	1.150		0.2	20.0
Indeno(1,2,3-cd)pyrene	1.467	1.545		5.3	
Dibenzo(a,h)anthracene	1.199	1.264		5.4	
Benzo(g,h,i)perylene	1.178	1.268		7.6	
1,2,4,5-Tetrachlorobenzene	0.578	0.574		-0.7	
1,4-Dioxane	0.472	0.468		-0.8	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.391		3.7	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2832

Instrument ID: BNA_P Calibration Date/Time: 08/22/2025 10:49

Lab File ID: BP025544.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

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

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2832

Instrument ID: BNA_P Calibration Date/Time: 08/22/2025 10:49

Lab File ID: BP025544.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

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

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025547.D
Acq On : 22 Aug 2025 13:32
Operator : CG/JU
Sample : Q2832-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S01

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025

Quant Time: Aug 22 14:05:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.778	152	203646	20.000	ng		-0.02
21) Naphthalene-d8	10.543	136	856804	20.000	ng		-0.02
39) Acenaphthene-d10	14.384	164	567110	20.000	ng		-0.02
64) Phenanthrene-d10	17.189	188	1156512	20.000	ng		-0.01
76) Chrysene-d12	21.636	240	1172172	20.000	ng		-0.01
86) Perylene-d12	25.007	264	1294508	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.396	112	169847	13.851	ng		-0.01
7) Phenol-d6	6.960	99	230001	14.629	ng		0.00
23) Nitrobenzene-d5	8.913	82	146959	8.676	ng		-0.02
42) 2,4,6-Tribromophenol	15.901	330	109864	14.393	ng		-0.01
45) 2-Fluorobiphenyl	12.995	172	390090	9.401	ng		-0.02
79) Terphenyl-d14	19.901	244	643164	10.039	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	10.596	128	119323	2.679	ng		99
71) Phenanthrene	17.236	178	756424	11.906	ng		100
72) Anthracene	17.330	178	183602	2.830	ng		99
75) Fluoranthene	19.319	202	1019212	13.449	ng		99
78) Pyrene	19.695	202	869774	11.416	ng		99
81) Benzo(a)anthracene	21.618	228	495667	6.412	ng		97
83) Chrysene	21.683	228	430321	5.944	ng		97
87) Indeno(1,2,3-cd)pyrene	28.806	276	269905	2.843	ng	#	89
88) Benzo(b)fluoranthene	23.918	252	565395	7.407	ng		95
89) Benzo(k)fluoranthene	23.995	252	239038m	3.129	ng		
90) Benzo(a)pyrene	24.824	252	399560	5.377	ng		98
92) Benzo(g,h,i)perylene	29.971	276	241393	3.165	ng		98

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

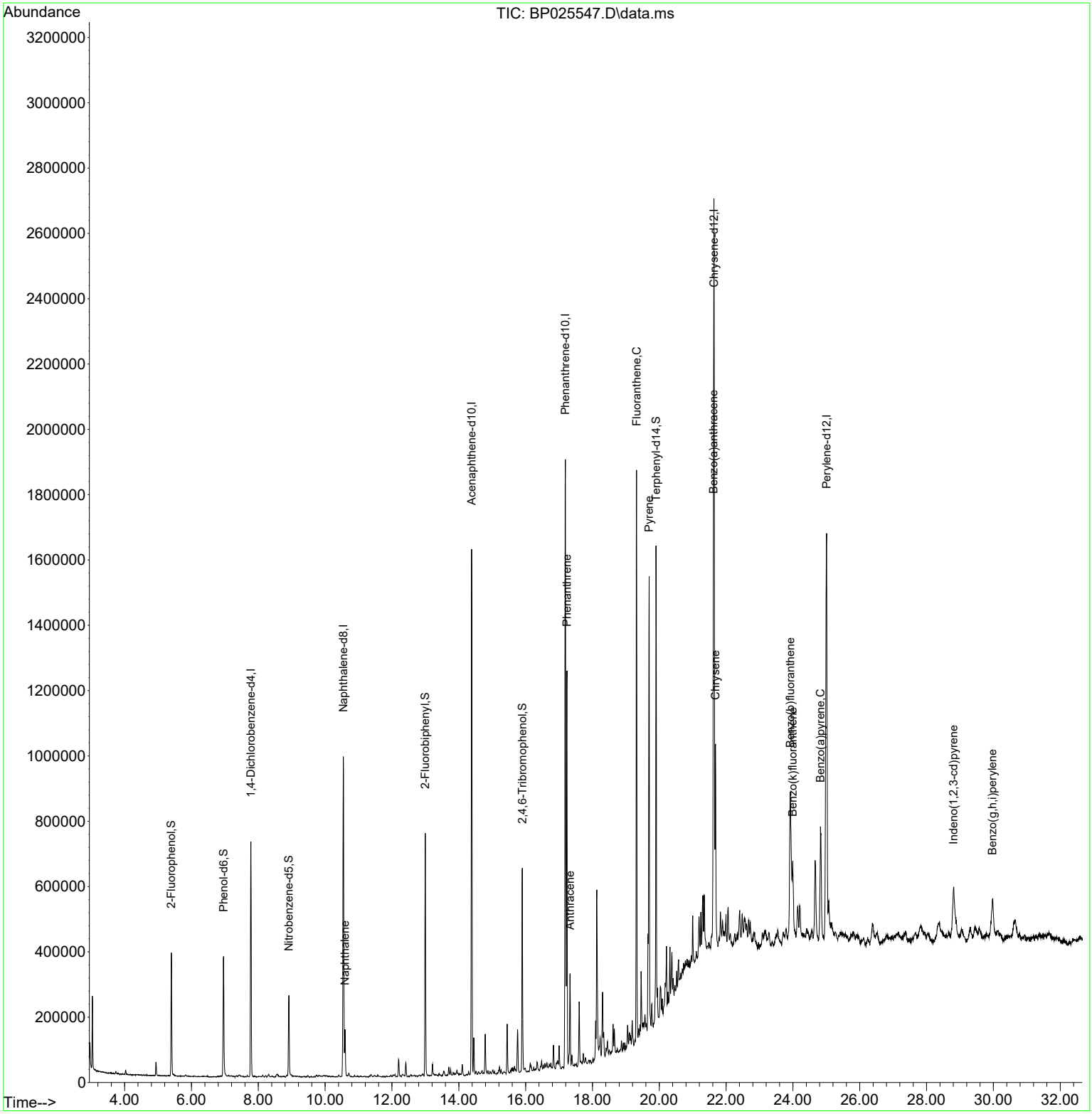
Sample Results: **BP025547.D**

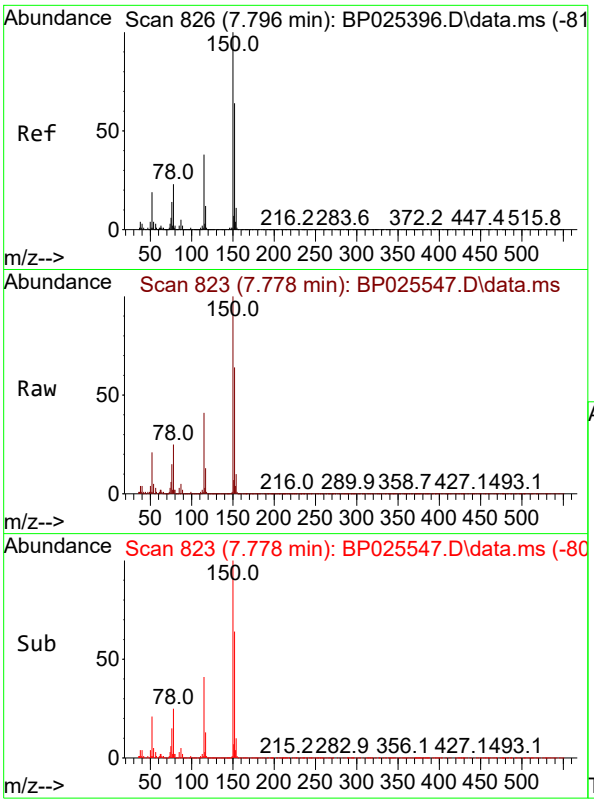
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025547.D
Acq On : 22 Aug 2025 13:32
Operator : CG/JU
Sample : Q2832-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 22 14:05:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
TG-S01

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025

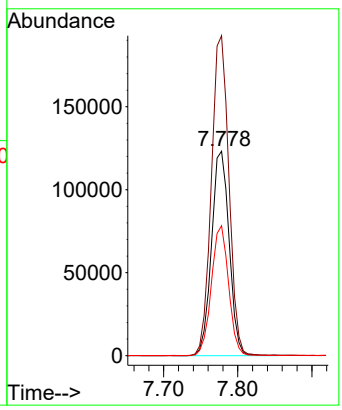




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:152 Resp: 20364

Ion	Ratio	Lower	Upper
152	100		
150	156.5	125.9	188.9
115	63.6	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
TG-S01

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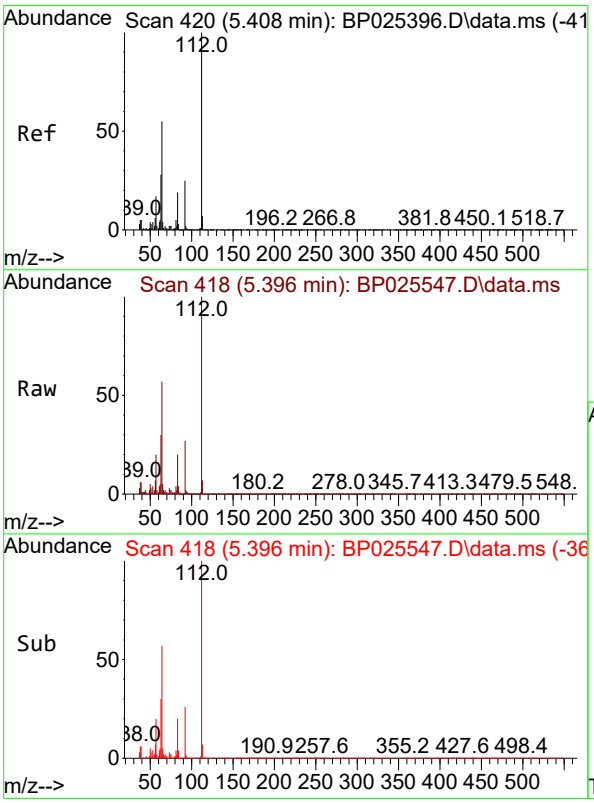
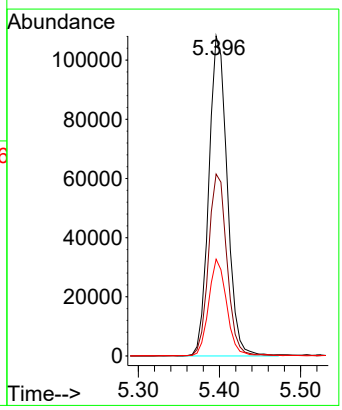
Supervised By :Jagrut Upadhyay 08/25/2025

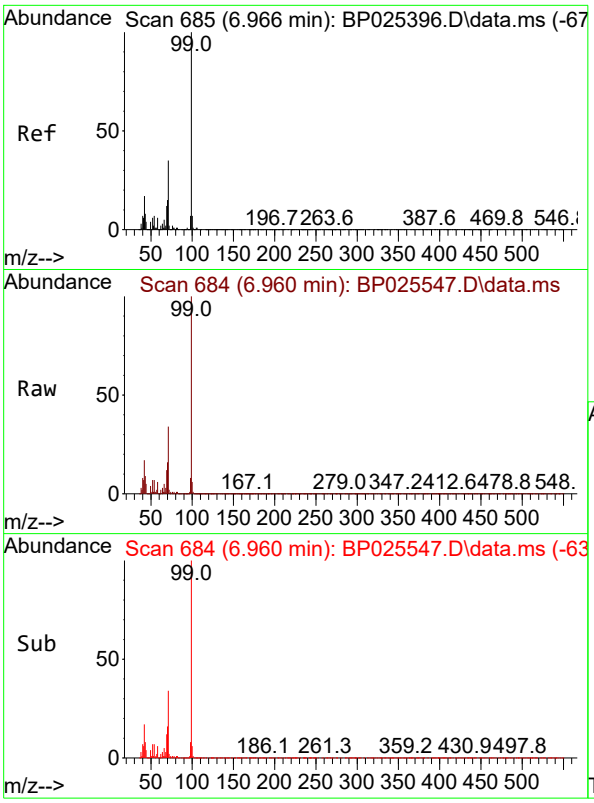


#5
2-Fluorophenol
Concen: 13.851 ng
RT: 5.396 min Scan# 418
Delta R.T. -0.012 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:112 Resp: 169847

Ion	Ratio	Lower	Upper
112	100		
64	56.9	43.8	65.8
63	30.3	22.7	34.1

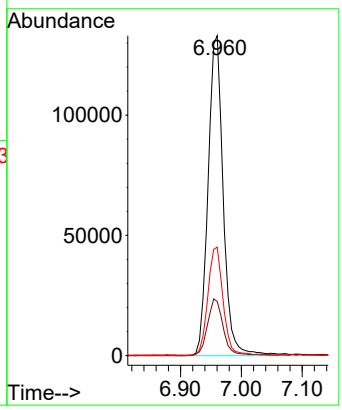




#7
Phenol-d6
Concen: 14.629 ng
RT: 6.960 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion: 99 Resp: 23000

Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.7	20.5
71	33.9	28.2	42.4



Instrument :
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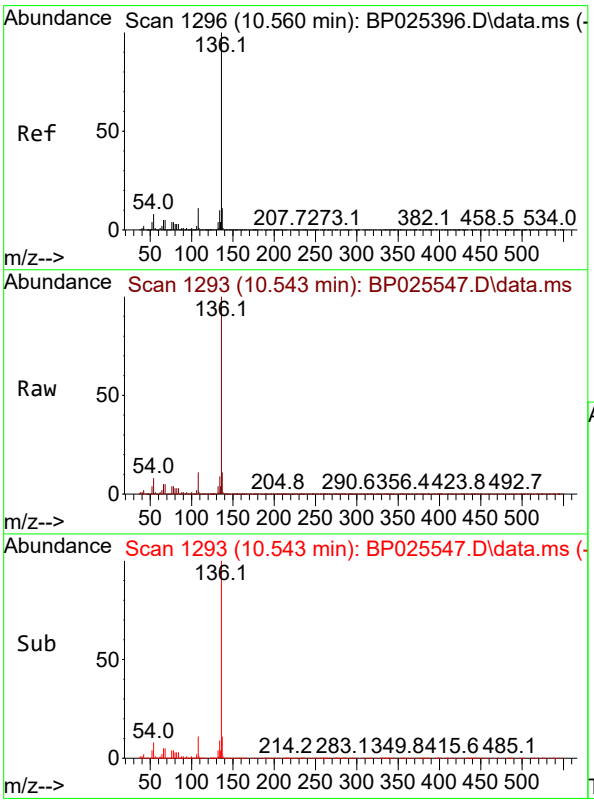
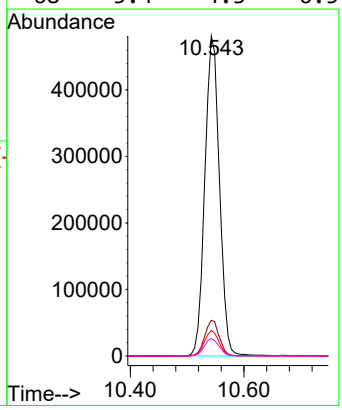
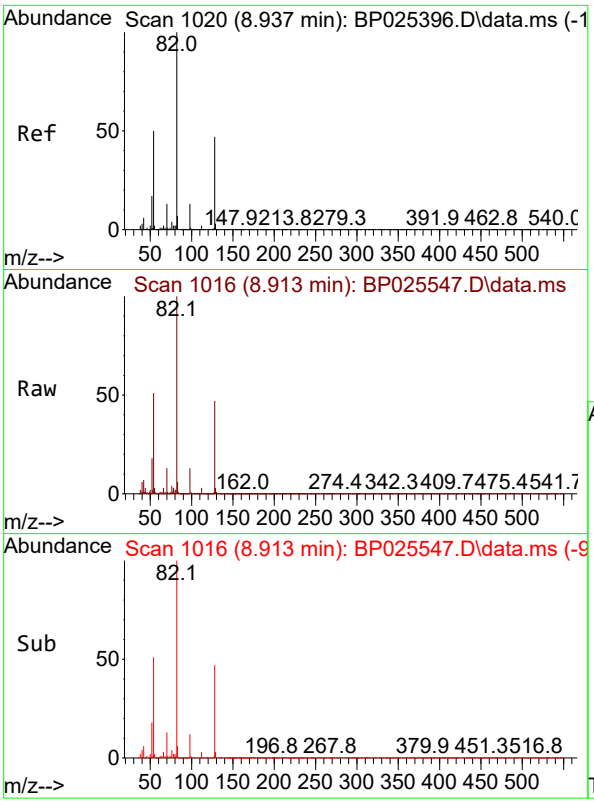


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:136 Resp: 856804

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	8.0	6.0	9.0
68	5.4	4.3	6.5

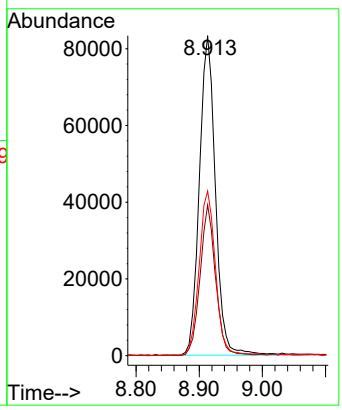




#23
Nitrobenzene-d5
Concen: 8.676 ng
RT: 8.913 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion: 82 Resp: 14695

Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.7	56.5
54	51.5	39.8	59.6



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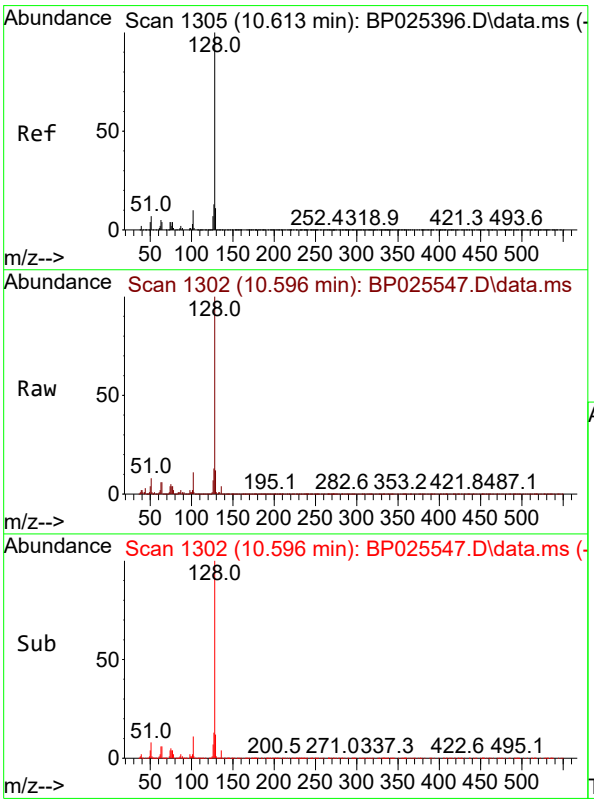
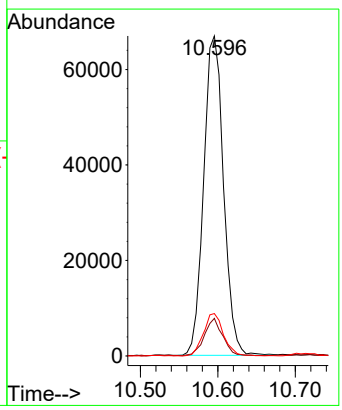
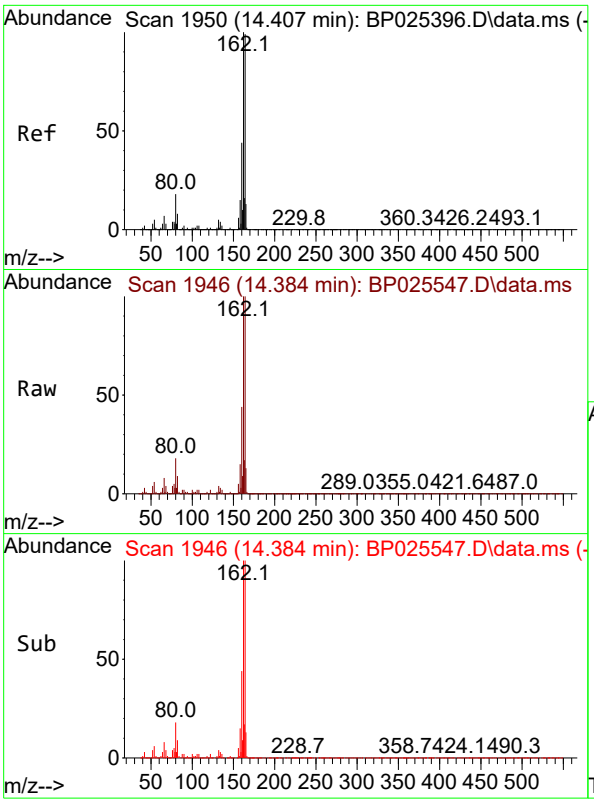


#31
Naphthalene
Concen: 2.679 ng
RT: 10.596 min Scan# 1302
Delta R.T. -0.018 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:128 Resp: 119323

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.6	13.0
127	13.2	10.7	16.1

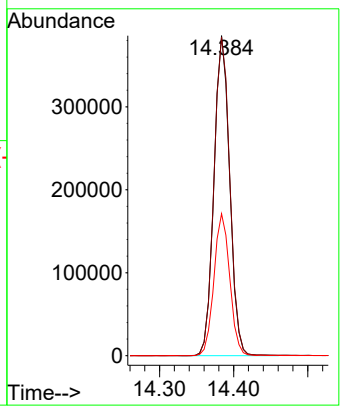




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.384 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:164 Resp: 56711

Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.0	121.6
160	44.4	35.4	53.2



Instrument :
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ClientSampleId :
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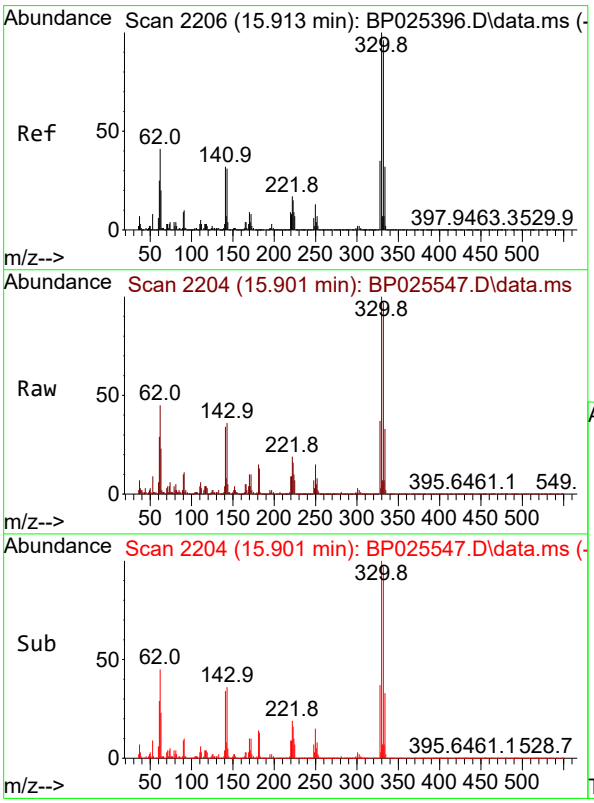
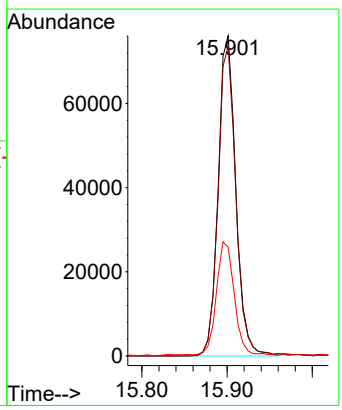
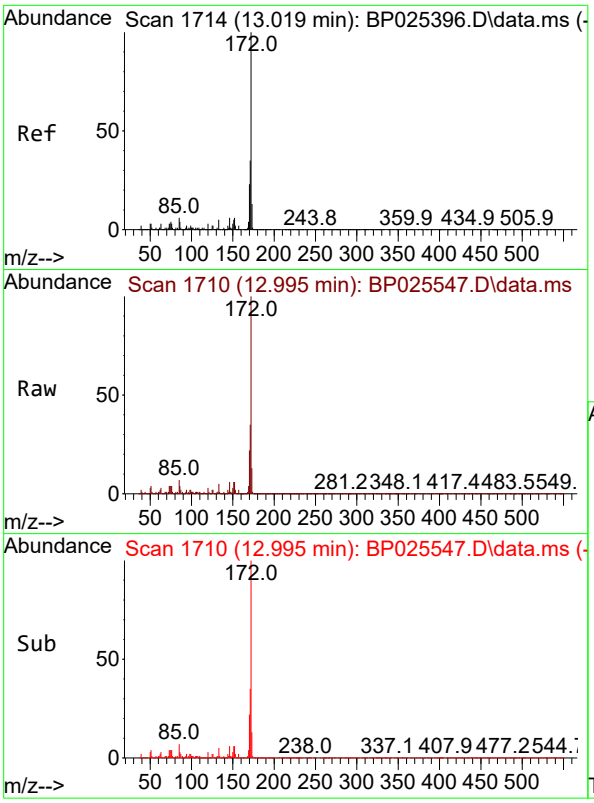


#42
2,4,6-Tribromophenol
Concen: 14.393 ng
RT: 15.901 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:330 Resp: 109864

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.3	115.9
141	36.9	26.6	39.8

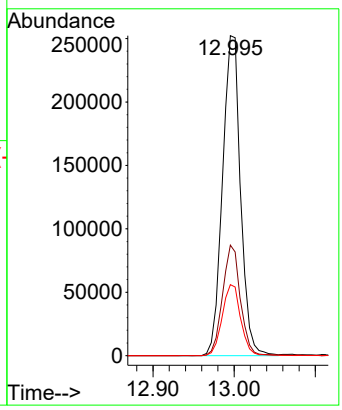




#45
2-Fluorobiphenyl
Concen: 9.401 ng
RT: 12.995 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:172 Resp: 39009

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.1	42.1
170	22.2	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
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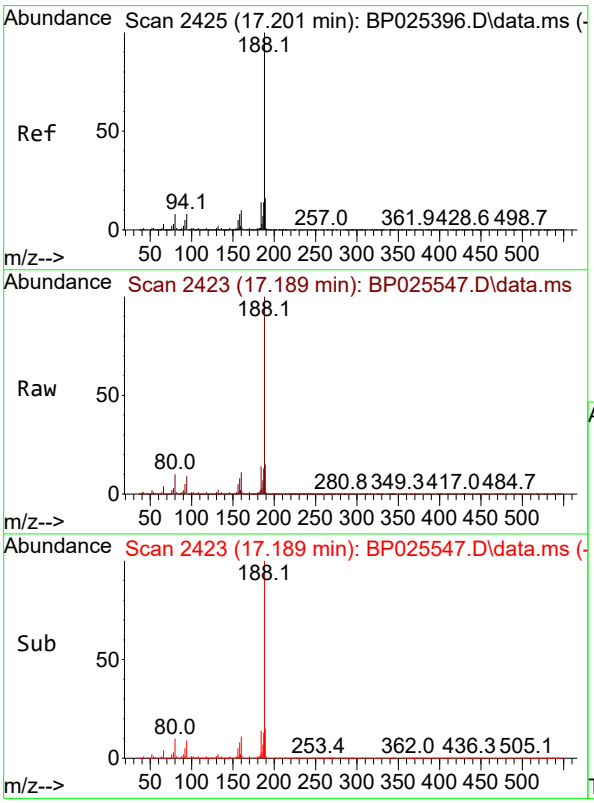
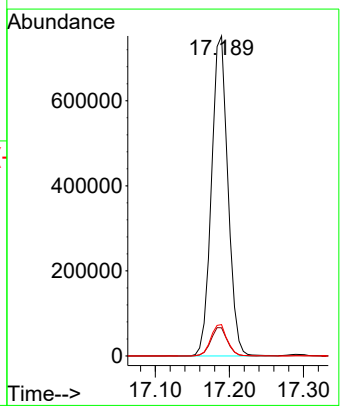
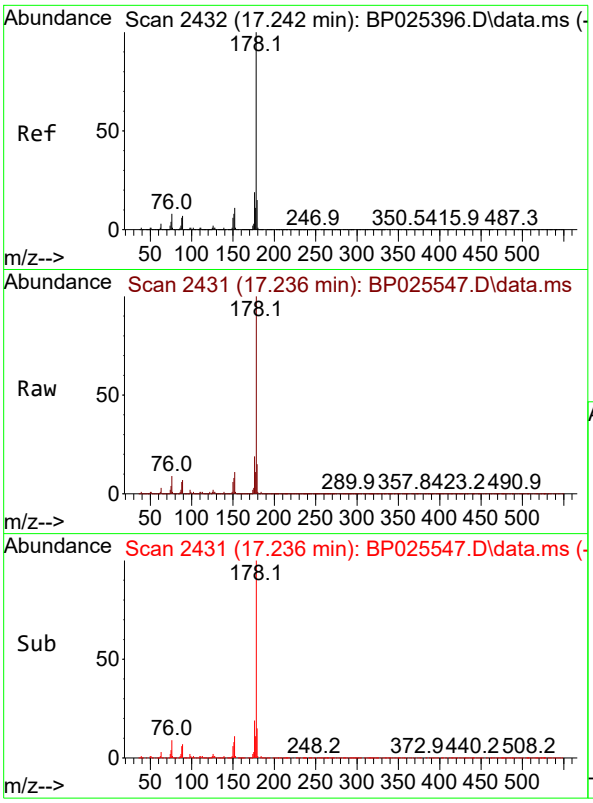


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:188 Resp: 1156512

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.8	6.7	10.1

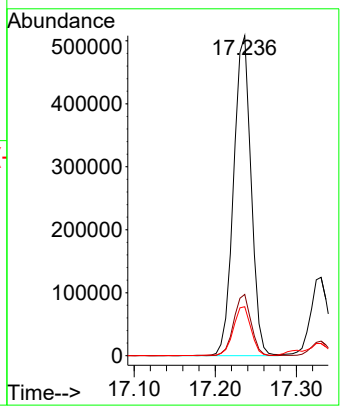




#71
Phenanthrene
Concen: 11.906 ng
RT: 17.236 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:178 Resp: 75642

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.3	12.2	18.4



Instrument :
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ClientSampleId :
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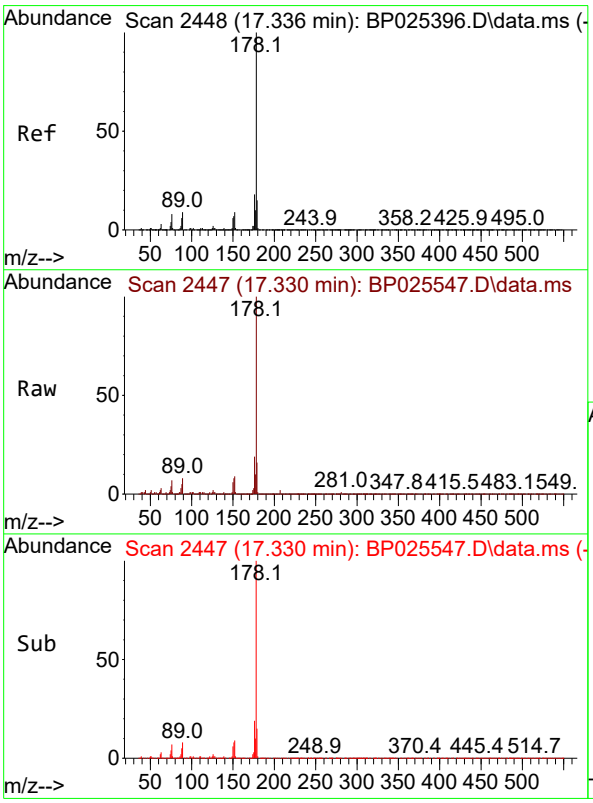
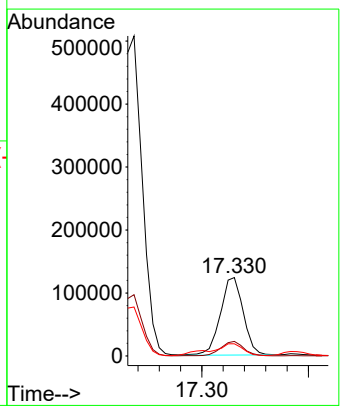
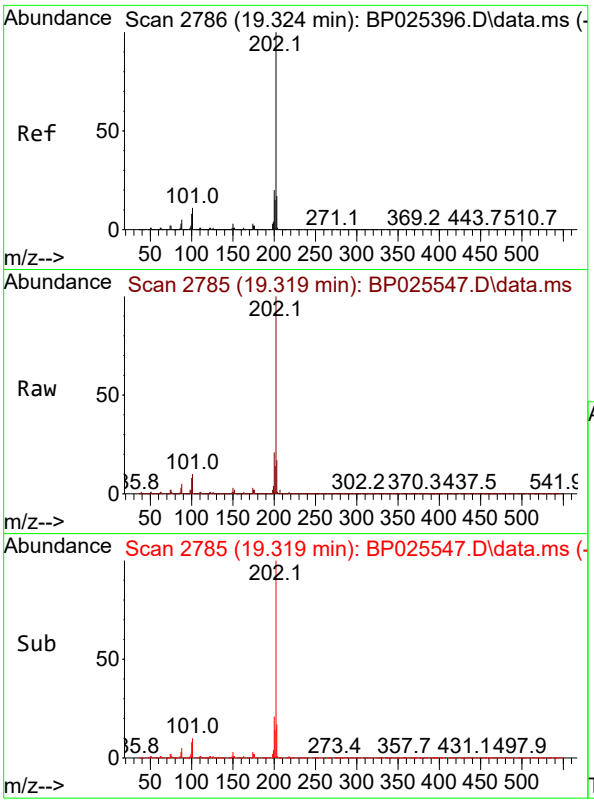


#72
Anthracene
Concen: 2.830 ng
RT: 17.330 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:178 Resp: 183602

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.6	12.2	18.2

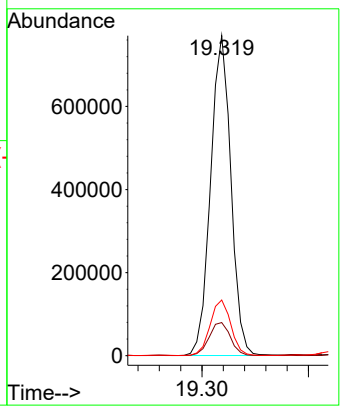




#75
Fluoranthene
Concen: 13.449 ng
RT: 19.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:202 Resp: 101921

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.1
203	17.4	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
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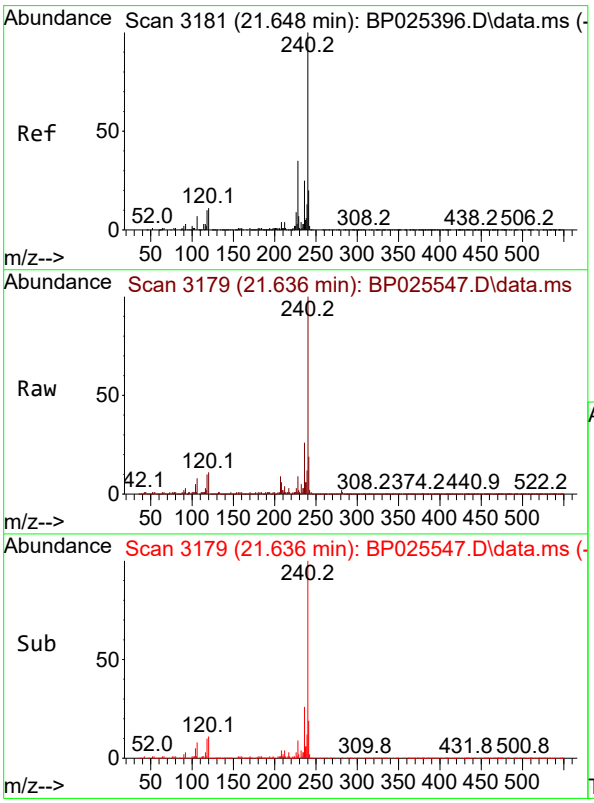
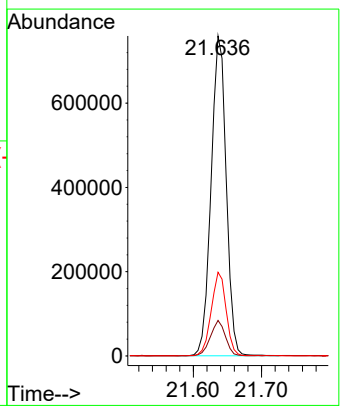
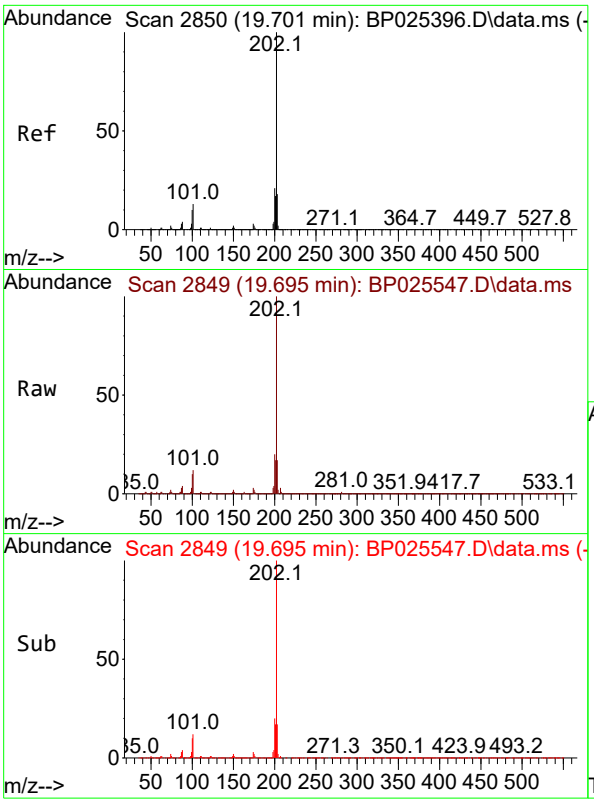


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:240 Resp: 1172172

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	26.2	19.8	29.8

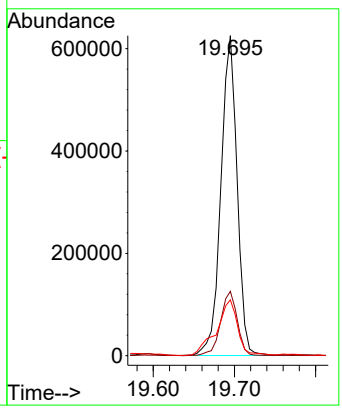




#78
Pyrene
Concen: 11.416 ng
RT: 19.695 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:202 Resp: 86977

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.9	25.3
203	17.5	14.2	21.2



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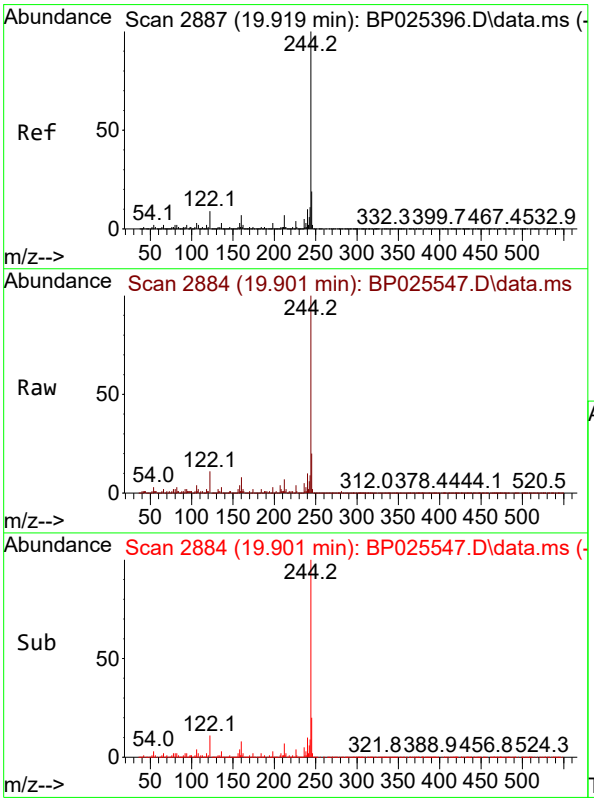
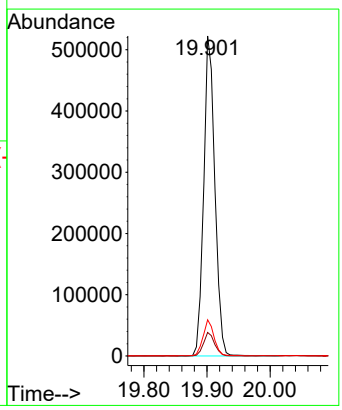
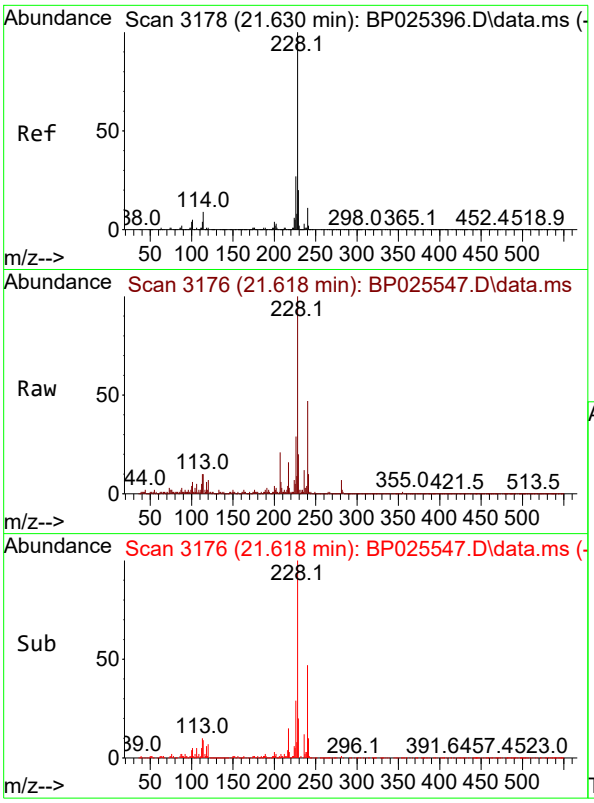


#79
Terphenyl-d14
Concen: 10.039 ng
RT: 19.901 min Scan# 2884
Delta R.T. -0.018 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:244 Resp: 643164

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	11.3	7.4	11.2#

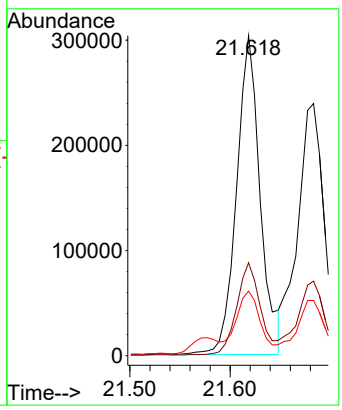




#81
Benzo(a)anthracene
Concen: 6.412 ng
RT: 21.618 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:228 Resp: 49566

Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.7	32.5
229	20.2	15.6	23.4



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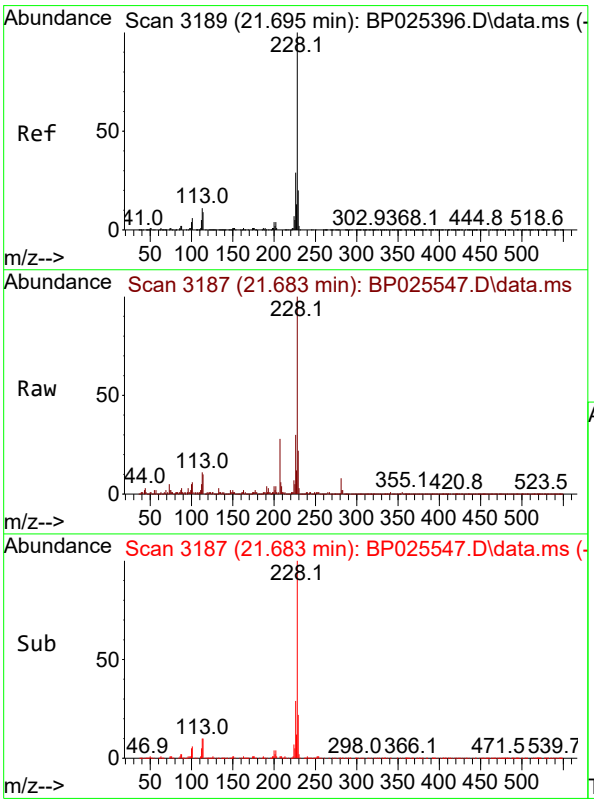
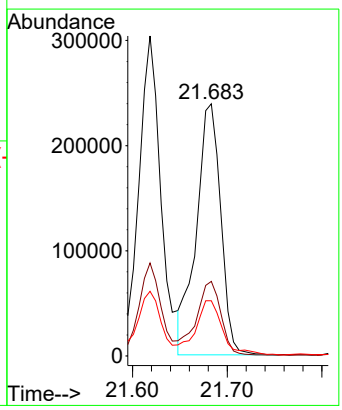
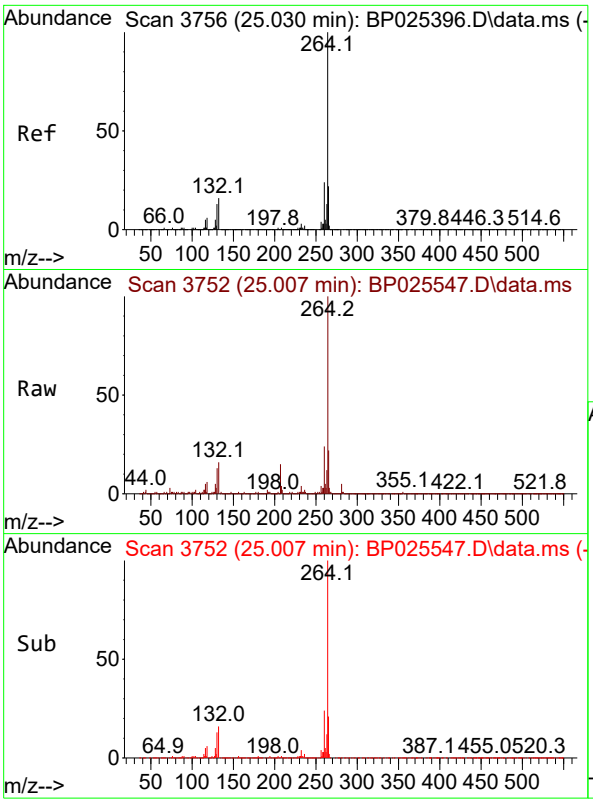


#83
Chrysene
Concen: 5.944 ng
RT: 21.683 min Scan# 3187
Delta R.T. -0.012 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:228 Resp: 430321

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.2	34.8
229	21.9	15.6	23.4

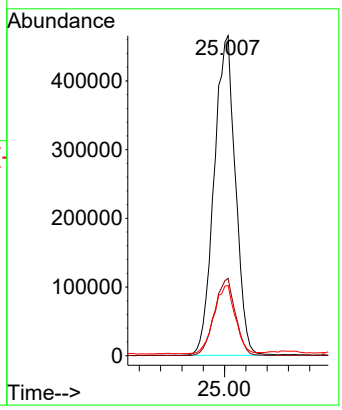




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.007 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:264 Resp: 129450

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.3	28.9
265	21.9	17.4	26.0



Instrument :
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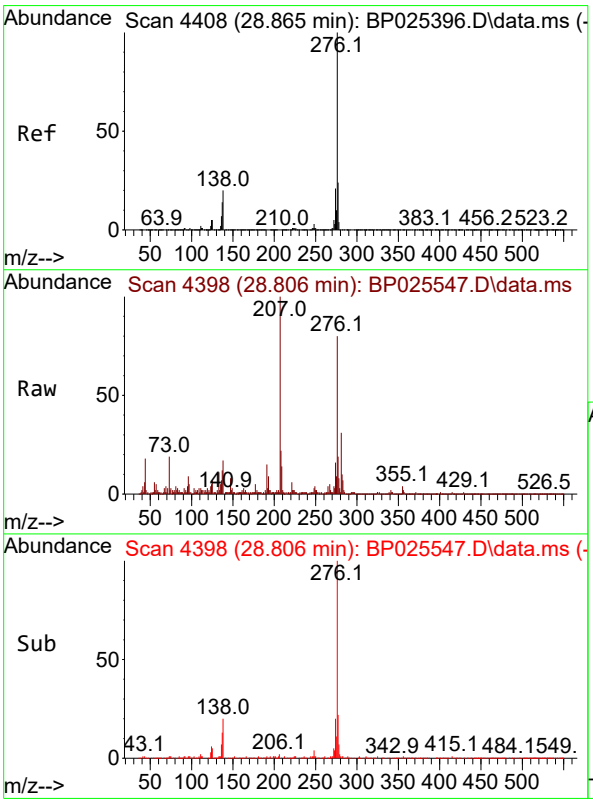
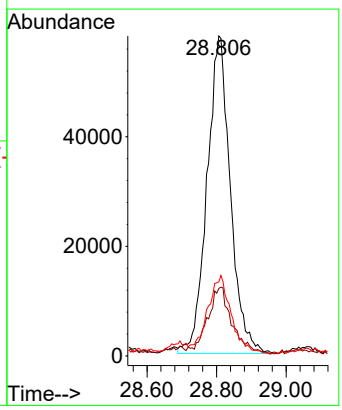
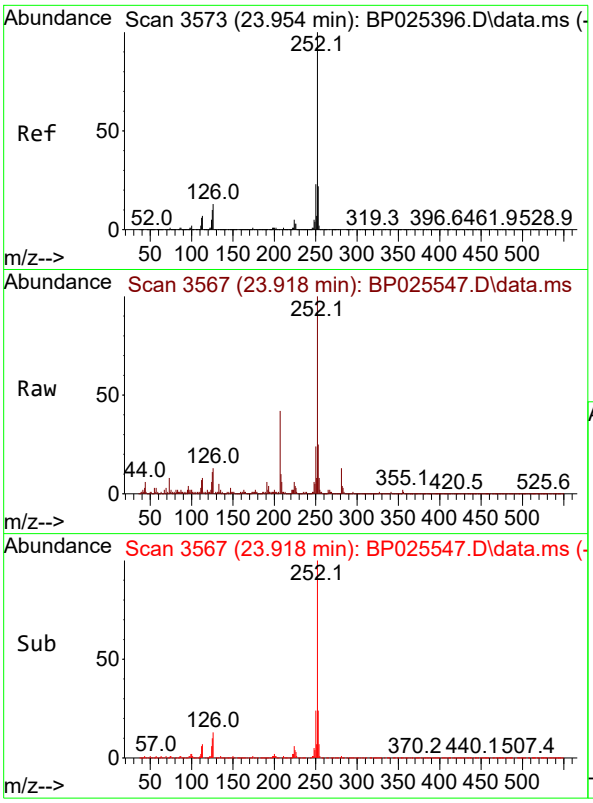


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.843 ng
RT: 28.806 min Scan# 4398
Delta R.T. -0.059 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:276 Resp: 269905

Ion	Ratio	Lower	Upper
276	100		
138	22.6	12.9	19.3#
277	25.1	17.0	25.6

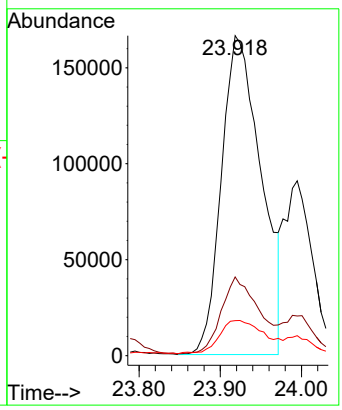




#88
Benzo(b)fluoranthene
Concen: 7.407 ng
RT: 23.918 min Scan# 3
Delta R.T. -0.035 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:252 Resp: 56539

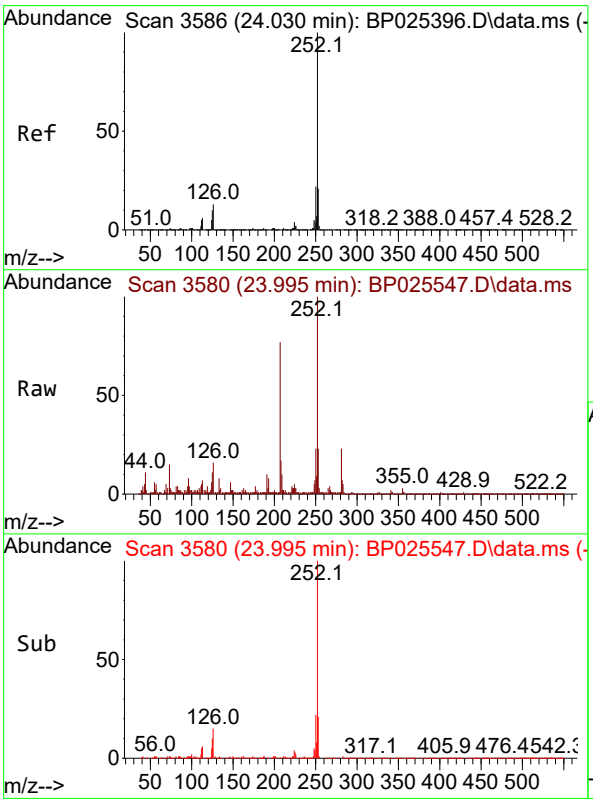
Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.7	26.5
125	11.0	7.9	11.9



Instrument :
BNA_P
ClientSampleId :
TG-S01

Manual Integrations
APPROVED

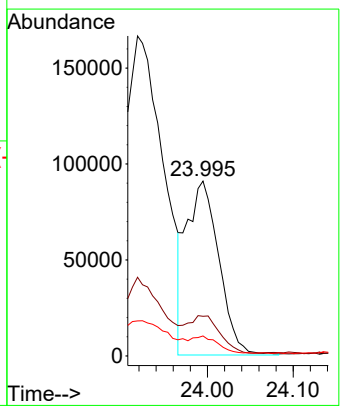
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025

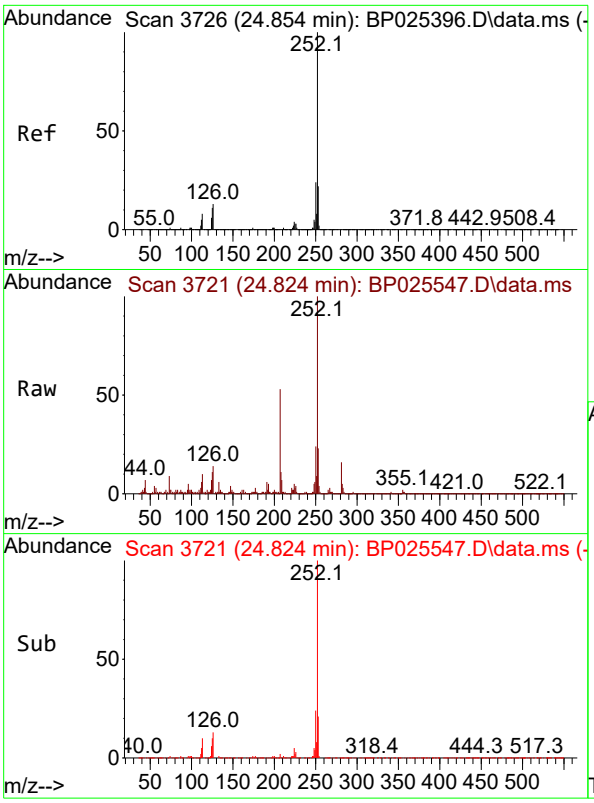


#89
Benzo(k)fluoranthene
Concen: 3.129 ng m
RT: 23.995 min Scan# 3580
Delta R.T. -0.035 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:252 Resp: 239038

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	11.4	7.8	11.6

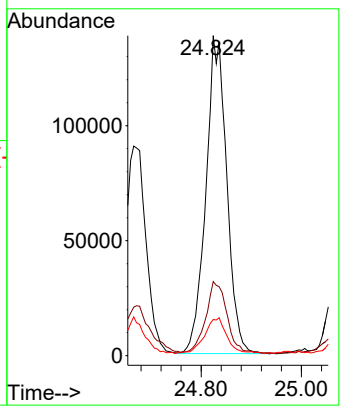




#90
Benzo(a)pyrene
Concen: 5.377 ng
RT: 24.824 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:252 Resp: 39956

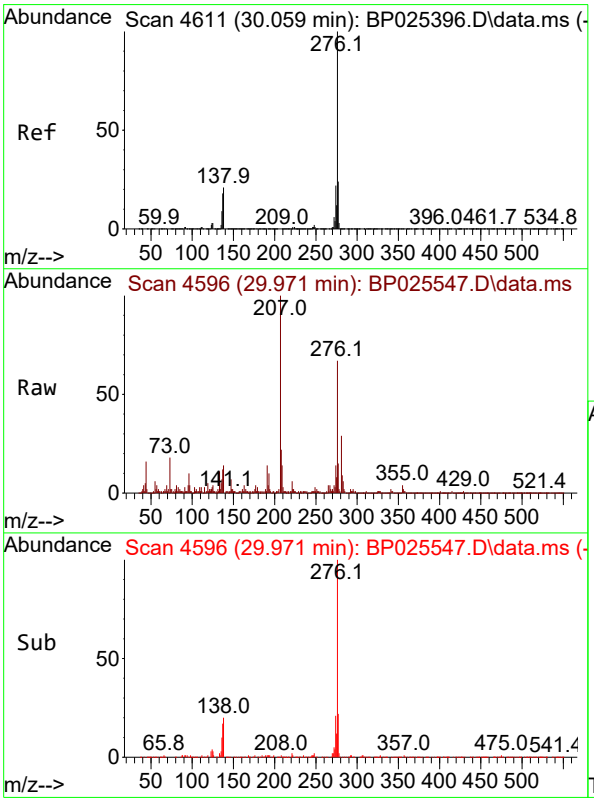
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	11.3	8.7	13.1



Instrument :
BNA_P
ClientSampleId :
TG-S01

Manual Integrations
APPROVED

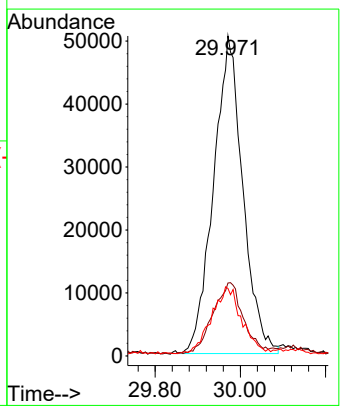
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025



#92
Benzo(g,h,i)perylene
Concen: 3.165 ng
RT: 29.971 min Scan# 4596
Delta R.T. -0.088 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:276 Resp: 241393

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.4	29.0
138	21.1	16.7	25.1



Sample Results: **BP025547.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025547.D
Acq On : 22 Aug 2025 13:32
Operator : CG/JU
Sample : Q2832-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S01

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

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

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

Signal : TIC: BP025547.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.031	12	16	26	rVB	225689	285389	6.19%	0.753%
2	4.937	336	340	350	rVB	41901	57383	1.25%	0.151%
3	5.396	412	418	426	rBV	376434	576053	12.50%	1.521%
4	6.960	674	684	702	rBV	368128	670279	14.55%	1.770%
5	7.778	814	823	834	rBV	720055	1198308	26.01%	3.164%
6	8.913	1009	1016	1024	rBV	246075	426700	9.26%	1.126%
7	10.543	1286	1293	1299	rBV	978487	1760859	38.21%	4.649%
8	10.596	1299	1302	1309	rVB	141296	222700	4.83%	0.588%
9	12.195	1568	1574	1582	rBV	53499	97135	2.11%	0.256%
10	12.413	1606	1611	1617	rVB	42099	70174	1.52%	0.185%
11	12.995	1703	1710	1722	rBV	743857	1131377	24.55%	2.987%
12	13.213	1742	1747	1751	rBV	34673	52363	1.14%	0.138%
13	14.107	1892	1899	1907	rVB2	33675	65419	1.42%	0.173%
14	14.384	1936	1946	1953	rBV	1609900	2421673	52.55%	6.393%
15	14.448	1953	1957	1963	rVB	110264	177044	3.84%	0.467%
16	14.789	2010	2015	2025	rVB	120293	189538	4.11%	0.500%
17	15.448	2121	2127	2137	rBV	152654	252986	5.49%	0.668%
18	15.760	2173	2180	2191	rVB2	132062	236268	5.13%	0.624%
19	15.901	2196	2204	2212	rBV	622864	945382	20.52%	2.496%
20	16.136	2239	2244	2248	rBV7	26076	48636	1.06%	0.128%
21	16.342	2275	2279	2289	rVB4	26732	58050	1.26%	0.153%
22	16.830	2357	2362	2371	rVB	72385	122187	2.65%	0.323%
23	17.001	2388	2391	2400	rVB	71269	114968	2.50%	0.304%
24	17.189	2415	2423	2427	rBV2	1865051	2944492	63.90%	7.773%
25	17.236	2427	2431	2437	rVV	1214900	1762259	38.24%	4.652%
26	17.330	2437	2447	2452	rVV	284540	487044	10.57%	1.286%
27	17.383	2452	2456	2462	rVB2	31755	53977	1.17%	0.142%
28	17.601	2486	2493	2498	rBV	195880	316935	6.88%	0.837%
29	18.095	2572	2577	2579	rBV	116886	149441	3.24%	0.395%
30	18.130	2579	2583	2592	rVB2	498622	873142	18.95%	2.305%
31	18.230	2597	2600	2605	rVB2	55205	81603	1.77%	0.215%
32	18.307	2606	2613	2616	rBV2	191276	350616	7.61%	0.926%
33	18.619	2662	2666	2669	rBV	82033	106991	2.32%	0.282%
34	18.654	2669	2672	2680	rVB2	71548	107946	2.34%	0.285%
35	19.048	2735	2739	2745	rBV2	63856	110194	2.39%	0.291%
36	19.107	2745	2749	2753	rBV4	33899	66765	1.45%	0.176%

Sample Results: **BP025547.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025547.D
Acq On : 22 Aug 2025 13:32
Operator : CG/JU
Sample : Q2832-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S01

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

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

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

37	19.189	2759	2763	2771	rVB	76351	130232	2.83%	0.344%
38	19.319	2779	2785	2793	rBV	1749951	2376299	51.57%	6.273%
39	19.454	2805	2808	2815	rVV2	184875	274934	5.97%	0.726%
40	19.666	2839	2844	2845	rBV2	297866	383270	8.32%	1.012%
41	19.695	2845	2849	2859	rVV	1388348	1988422	43.15%	5.249%
42	19.777	2859	2863	2870	rVB3	72225	122447	2.66%	0.323%
43	19.901	2877	2884	2889	rBV	1449094	1905568	41.35%	5.031%
44	20.030	2903	2906	2907	rBV2	58928	65944	1.43%	0.174%
45	20.213	2934	2937	2941	rVB	178555	232063	5.04%	0.613%
46	20.319	2951	2955	2958	rBV	151840	174276	3.78%	0.460%
47	21.001	3068	3071	3077	rVB	136957	177171	3.84%	0.468%
48	21.636	3171	3179	3184	rBV2	2252281	4607892	100.00%	12.165%
49	21.683	3184	3187	3199	rVB	621174	1011767	21.96%	2.671%
50	23.918	3561	3567	3576	rBV	384565	1188690	25.80%	3.138%
51	24.665	3689	3694	3706	rVB2	234762	617783	13.41%	1.631%
52	24.824	3719	3721	3735	rVB	338048	729578	15.83%	1.926%
53	25.007	3742	3752	3759	rBV	1212820	3300058	71.62%	8.712%

Sum of corrected areas: 37878670

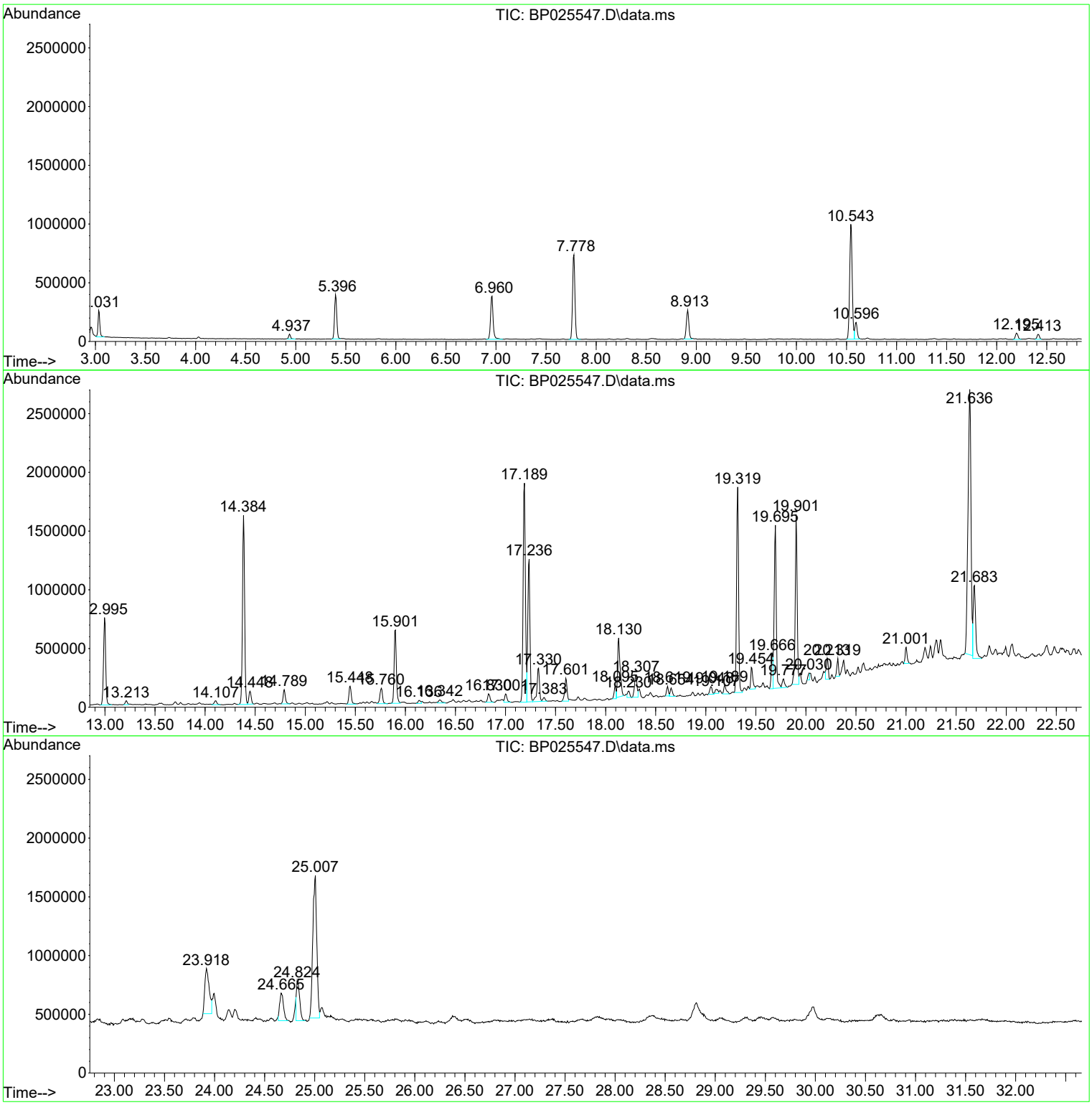
Sample Results: **BP025547.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025547.D
Acq On : 22 Aug 2025 13:32
Operator : CG/JU
Sample : Q2832-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S01

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025547.D
Acq On : 22 Aug 2025 13:32
Operator : CG/JU
Sample : Q2832-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S01

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

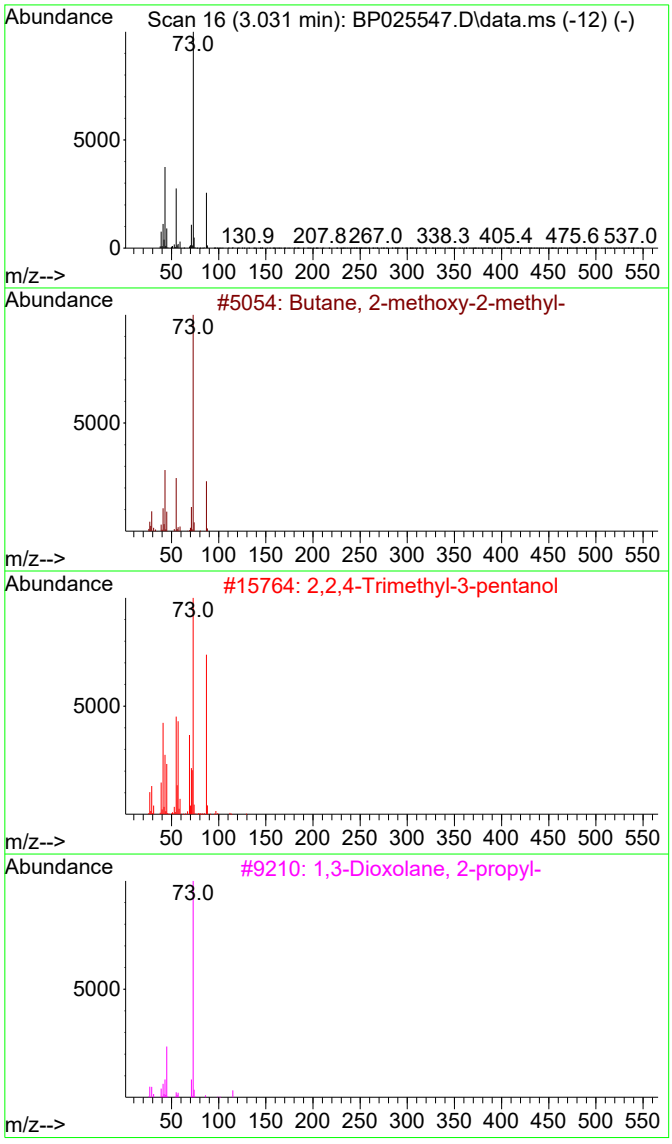
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

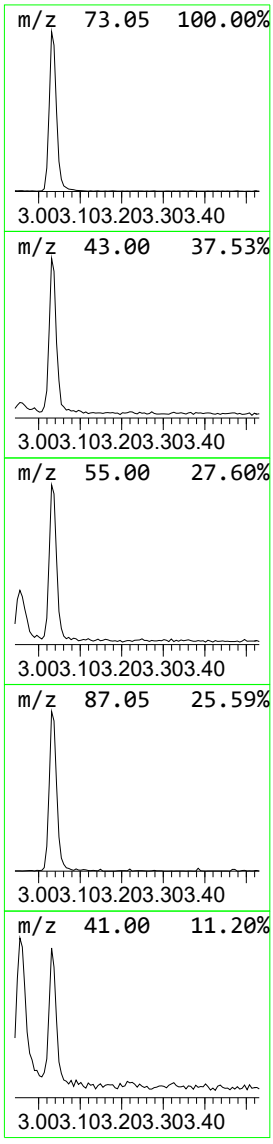
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	4.76 ng	285389	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025547.D
Acq On : 22 Aug 2025 13:32
Operator : CG/JU
Sample : Q2832-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S01

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

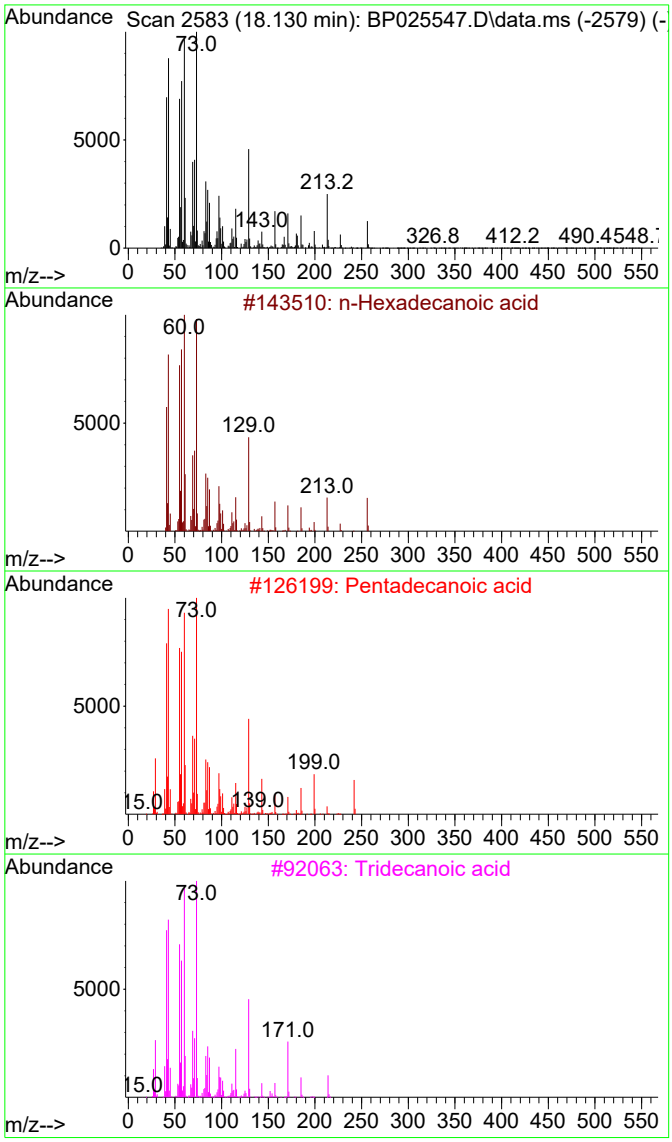
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

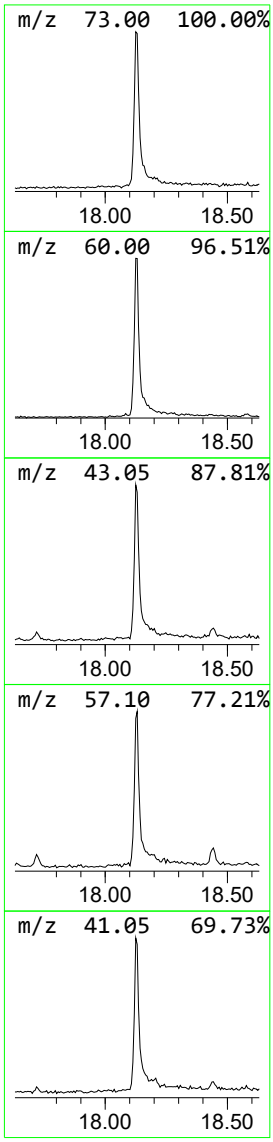
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.130	5.93 ng	873142	Phenanthrene-d10	17.189

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025547.D
Acq On : 22 Aug 2025 13:32
Operator : CG/JU
Sample : Q2832-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S01

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

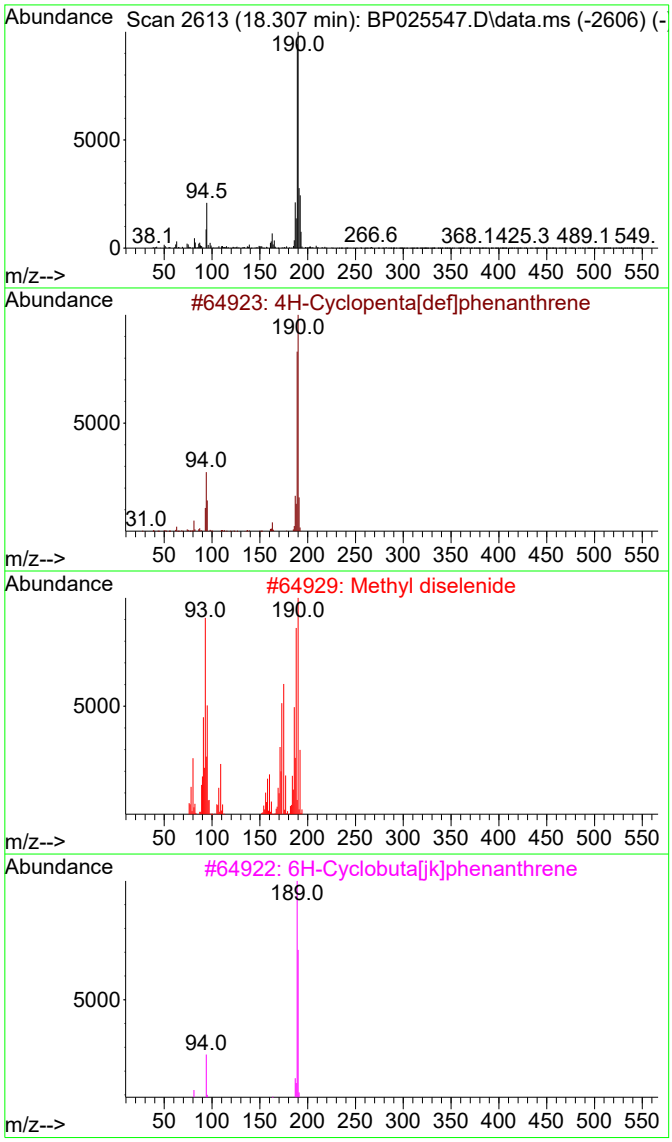
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

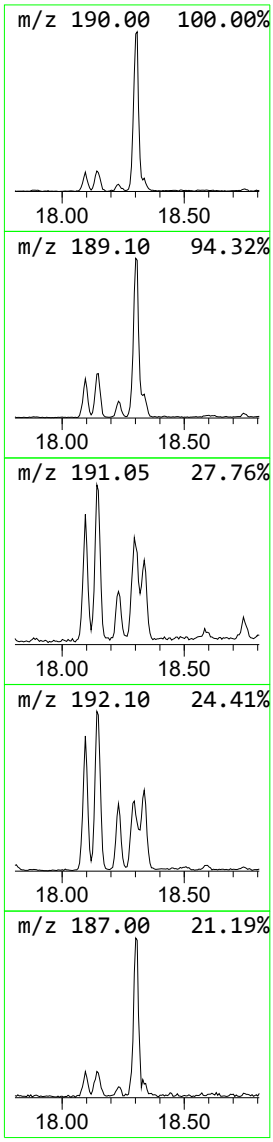
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.307	2.38 ng	350616	Phenanthrene-d10	17.189

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025547.D
Acq On : 22 Aug 2025 13:32
Operator : CG/JU
Sample : Q2832-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S01

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

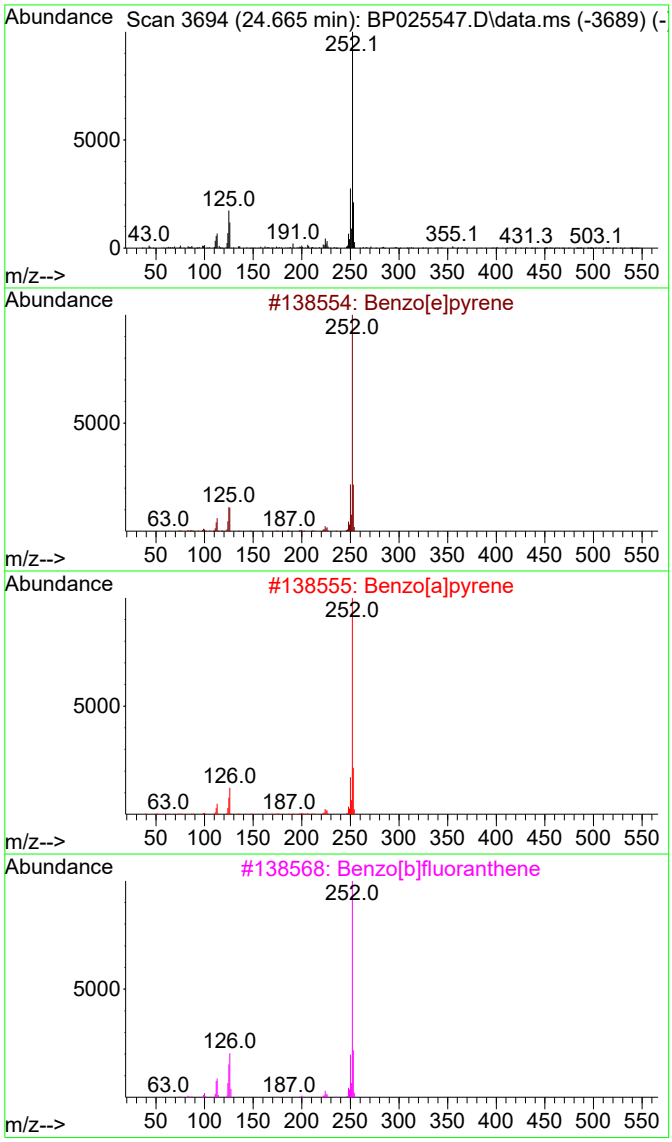
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

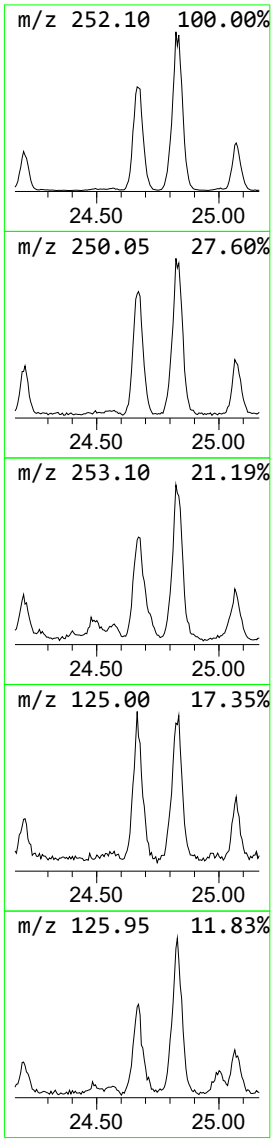
****

Peak Number 6 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.665	3.74 ng	617783	Perylene-d12	25.006

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Sample Results: **BP025547.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025547.D
Acq On : 22 Aug 2025 13:32
Operator : CG/JU
Sample : Q2832-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S01

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.031	4.8	ng	285389	1	7.778	1198310	20.0
n-Hexadecanoic ...	18.130	5.9	ng	873142	4	17.189	2944490	20.0
4H-Cyclopenta[d...	18.307	2.4	ng	350616	4	17.189	2944490	20.0
Benzo[e]pyrene	24.665	3.7	ng	617783	6	25.006	3300060	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025548.D
Acq On : 22 Aug 2025 14:13
Operator : CG/JU
Sample : Q2832-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S02

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025

Quant Time: Aug 22 14:40:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.778	152	182769	20.000	ng		-0.02
21) Naphthalene-d8	10.549	136	732501	20.000	ng		-0.01
39) Acenaphthene-d10	14.401	164	473220	20.000	ng		0.00
64) Phenanthrene-d10	17.190	188	960991	20.000	ng		-0.01
76) Chrysene-d12	21.619	240	1021547	20.000	ng		-0.03
86) Perylene-d12	24.971	264	1175388	20.000	ng		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.396	112	147398	13.393	ng		-0.01
7) Phenol-d6	6.961	99	191461	13.569	ng		0.00
23) Nitrobenzene-d5	8.919	82	120560	8.326	ng		-0.02
42) 2,4,6-Tribromophenol	15.907	330	81967	12.869	ng		0.00
45) 2-Fluorobiphenyl	13.007	172	298861	8.631	ng		-0.01
79) Terphenyl-d14	19.907	244	525306	9.408	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	17.231	178	406127	7.693	ng		99
72) Anthracene	17.331	178	118085	2.190	ng		97
75) Fluoranthene	19.307	202	753171	11.961	ng		99
78) Pyrene	19.684	202	754315	11.361	ng		99
81) Benzo(a)anthracene	21.601	228	417814	6.202	ng		99
83) Chrysene	21.666	228	401927	6.370	ng		98
87) Indeno(1,2,3-cd)pyrene	28.783	276	247746	2.874	ng	#	92
88) Benzo(b)fluoranthene	23.930	252	495112	7.144	ng	#	97
89) Benzo(k)fluoranthene	23.983	252	195291m	2.816	ng		
90) Benzo(a)pyrene	24.824	252	355781	5.273	ng		96
92) Benzo(g,h,i)perylene	29.959	276	239889	3.464	ng		97

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

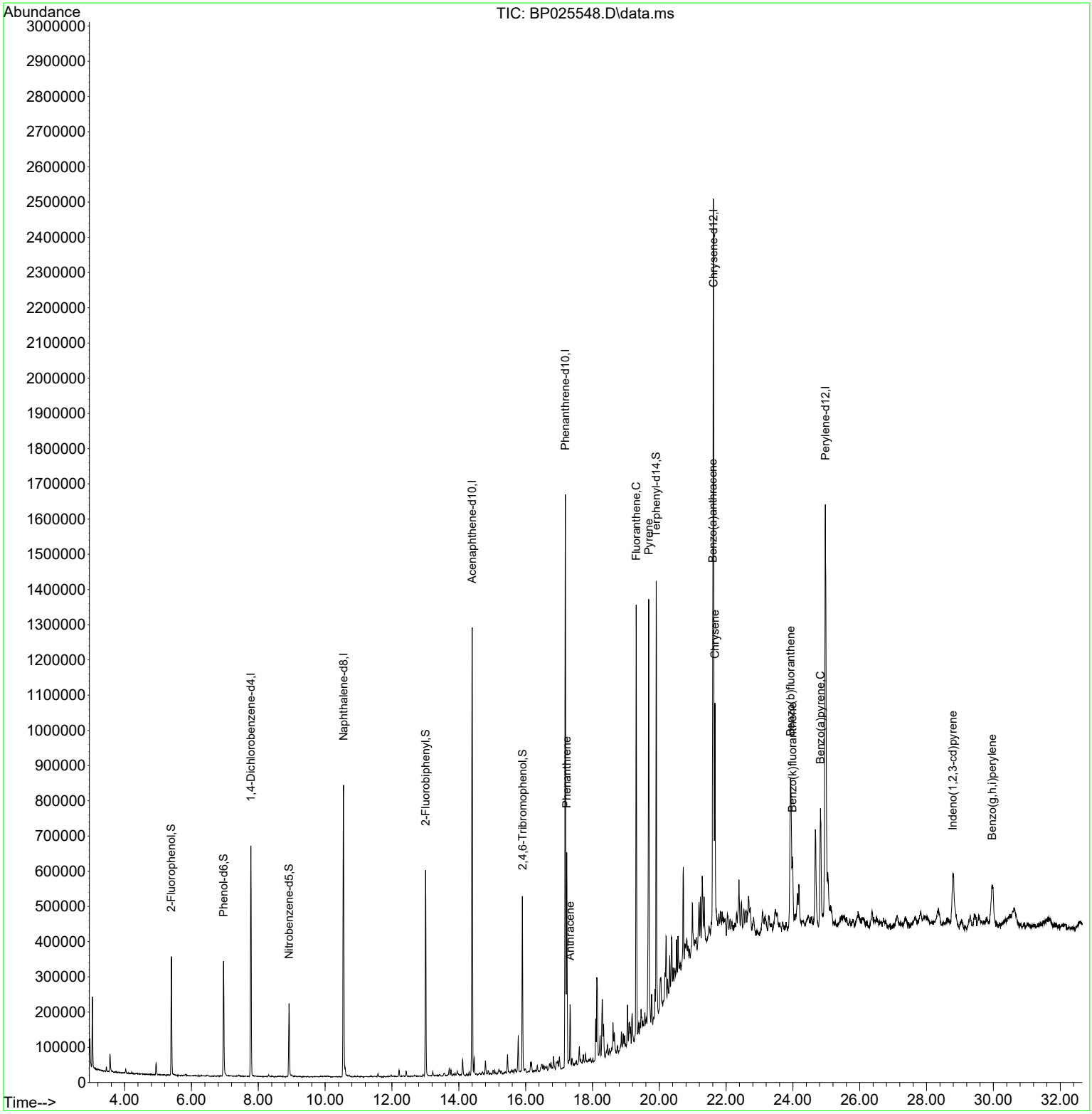
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025548.D
Acq On : 22 Aug 2025 14:13
Operator : CG/JU
Sample : Q2832-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

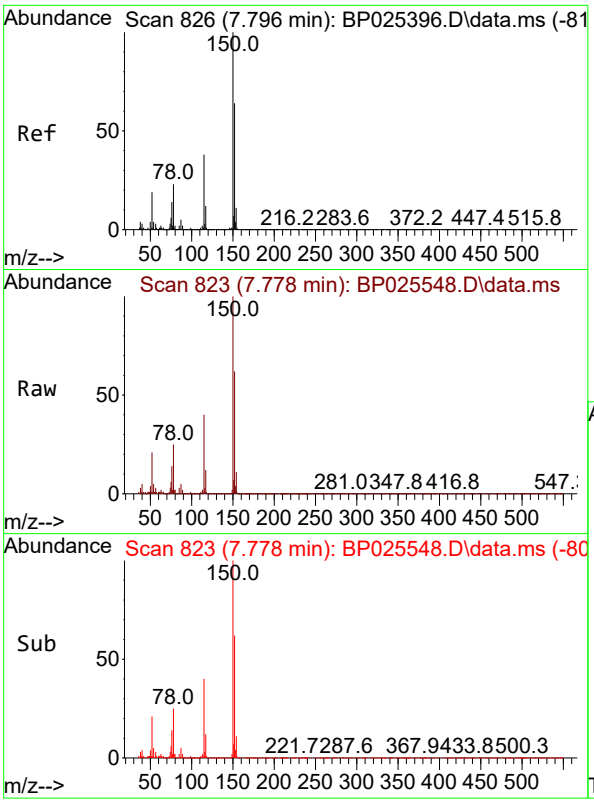
Quant Time: Aug 22 14:40:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
TG-S02

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025

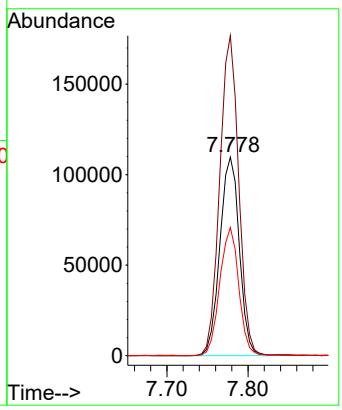




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:152 Resp: 18276

Ion	Ratio	Lower	Upper
152	100		
150	161.2	125.9	188.9
115	64.6	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
TG-S02

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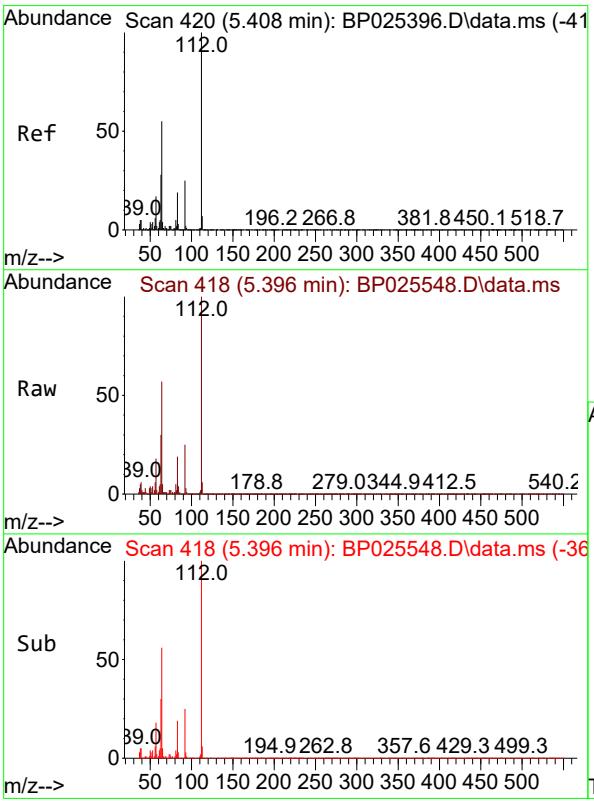
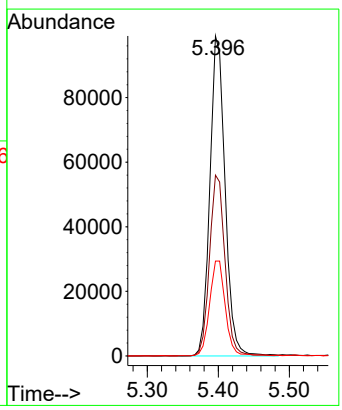
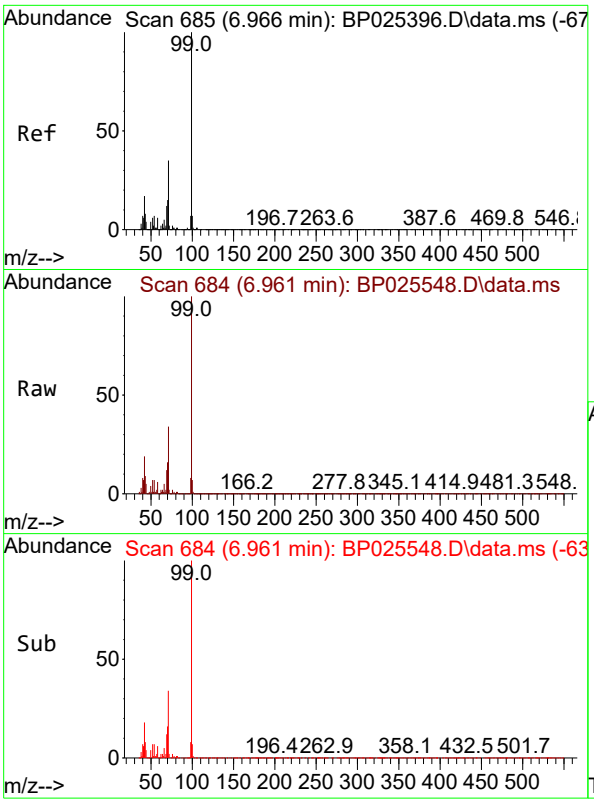


#5
2-Fluorophenol
Concen: 13.393 ng
RT: 5.396 min Scan# 418
Delta R.T. -0.012 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:112 Resp: 147398

Ion	Ratio	Lower	Upper
112	100		
64	56.5	43.8	65.8
63	29.6	22.7	34.1

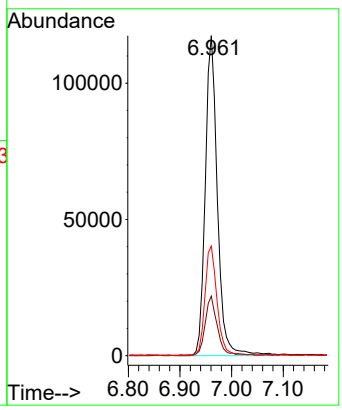




#7
Phenol-d6
Concen: 13.569 ng
RT: 6.961 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion: 99 Resp: 19146

Ion	Ratio	Lower	Upper
99	100		
42	18.6	13.7	20.5
71	34.3	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
TG-S02

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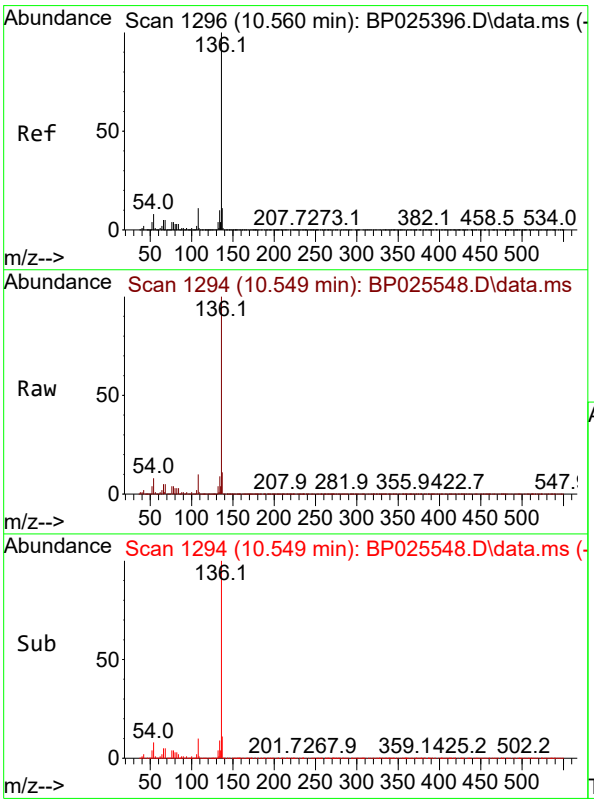
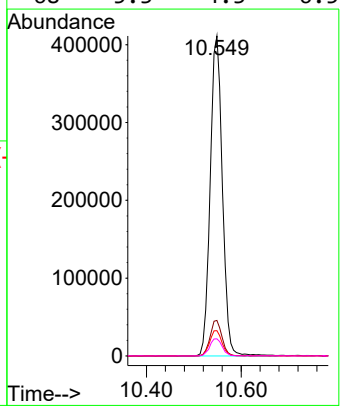
Supervised By :Jagrut Upadhyay 08/25/2025

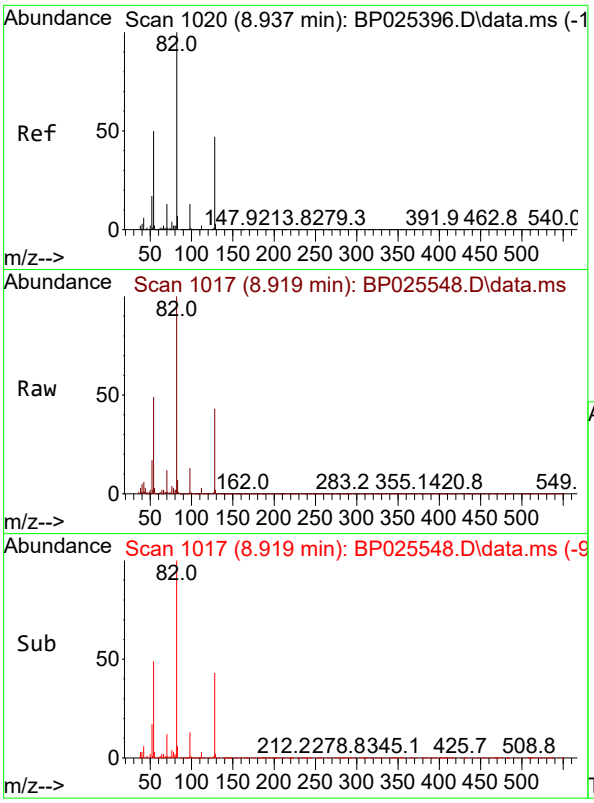


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.549 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:136 Resp: 732501

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.9	6.0	9.0
68	5.3	4.3	6.5

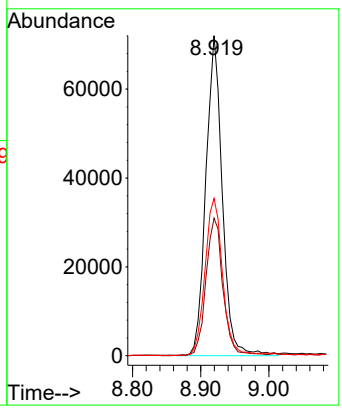




#23
Nitrobenzene-d5
Concen: 8.326 ng
RT: 8.919 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion: 82 Resp: 12056

Ion	Ratio	Lower	Upper
82	100		
128	43.0	37.7	56.5
54	49.1	39.8	59.6



Instrument :
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ClientSampleId :
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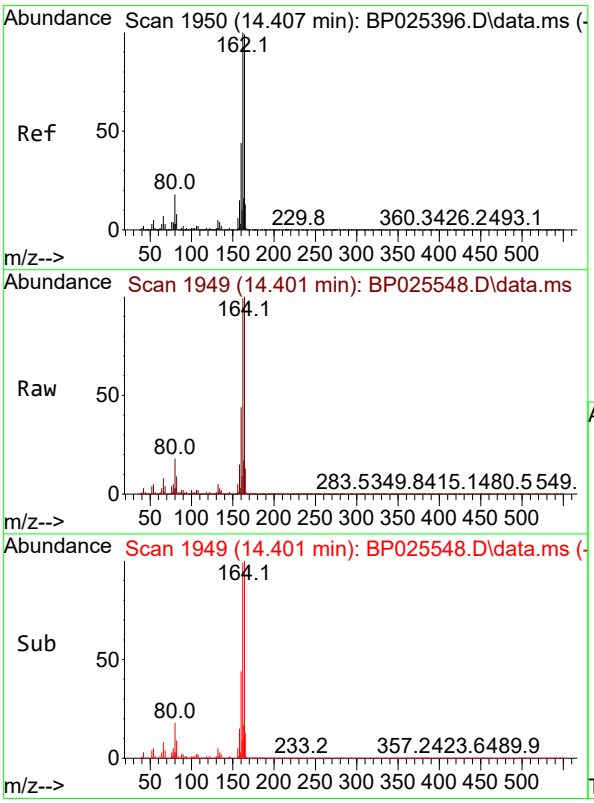
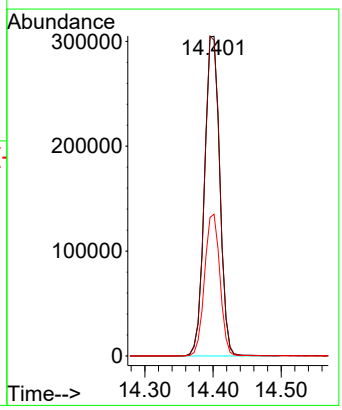
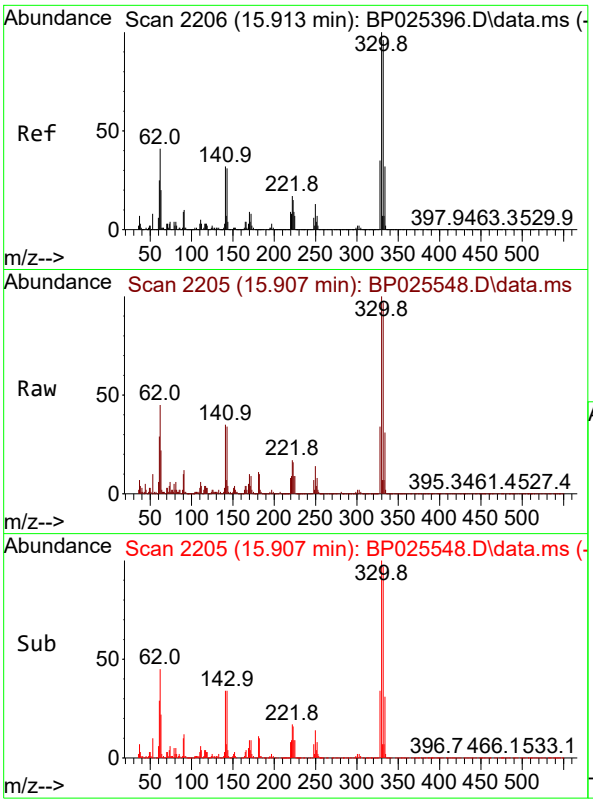


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:164 Resp: 473220

Ion	Ratio	Lower	Upper
164	100		
162	98.7	81.0	121.6
160	44.3	35.4	53.2

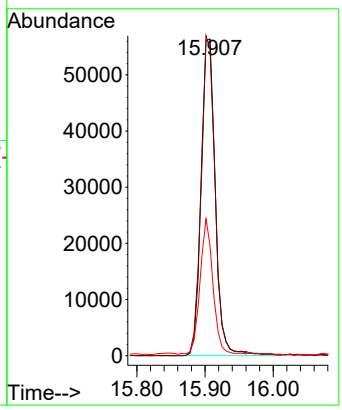




#42
2,4,6-Tribromophenol
Concen: 12.869 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:330 Resp: 8196

Ion	Ratio	Lower	Upper
330	100		
332	99.7	77.3	115.9
141	38.5	26.6	39.8



Instrument :
BNA_P
ClientSampleId :
TG-S02

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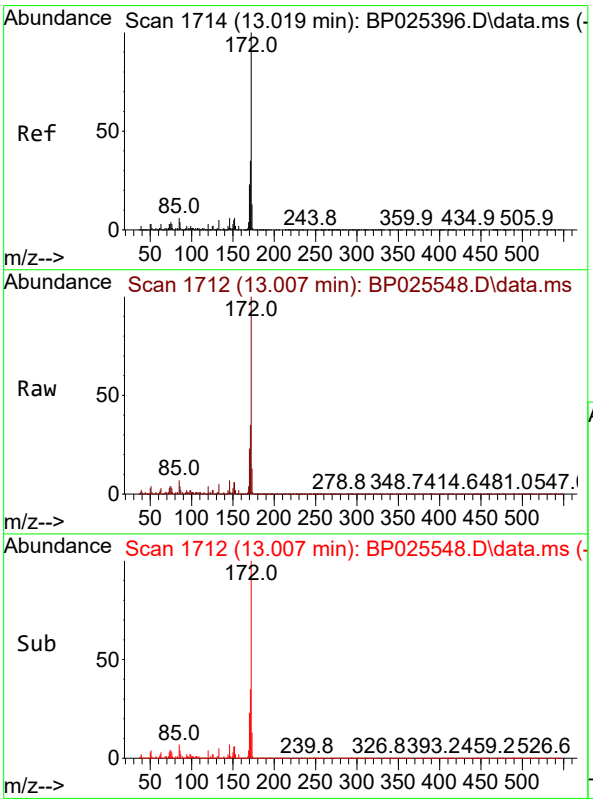
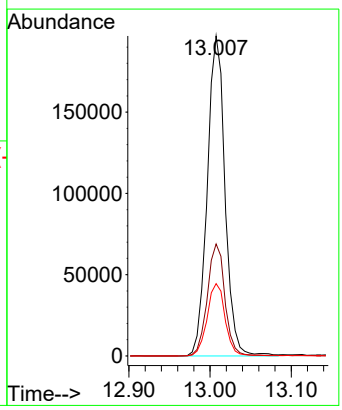
Supervised By :Jagrut Upadhyay 08/25/2025

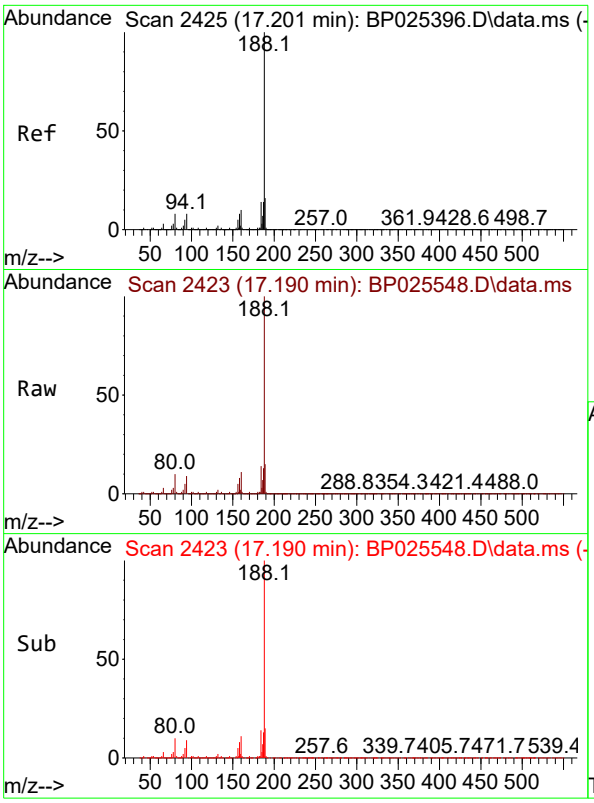


#45
2-Fluorobiphenyl
Concen: 8.631 ng
RT: 13.007 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:172 Resp: 298861

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.1	42.1
170	22.6	18.6	28.0

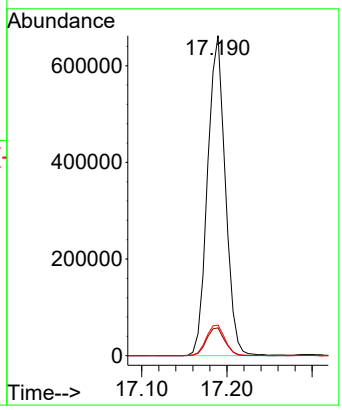




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.190 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:188 Resp: 96099

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.5	6.7	10.1



Instrument :
BNA_P
ClientSampleId :
TG-S02

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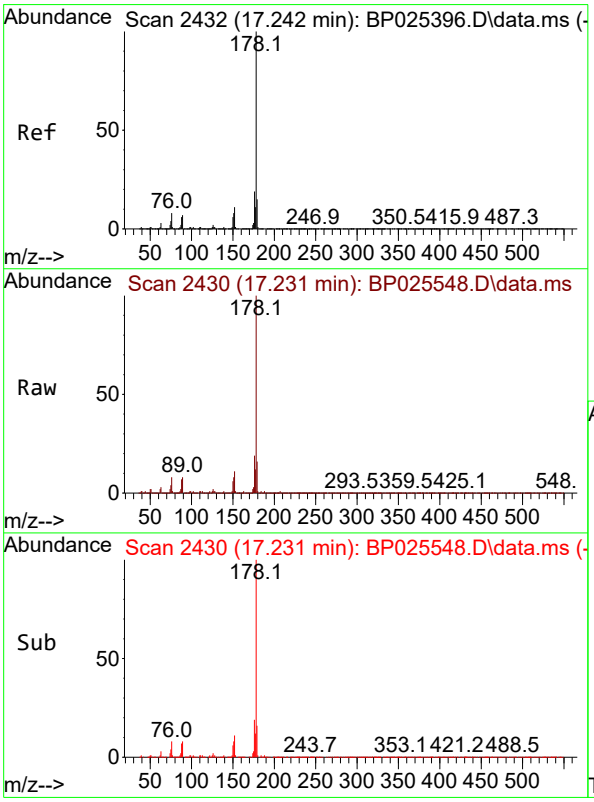
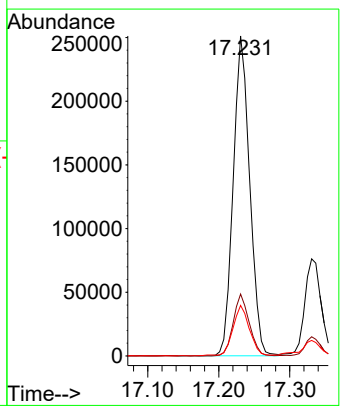
Supervised By :Jagrut Upadhyay 08/25/2025

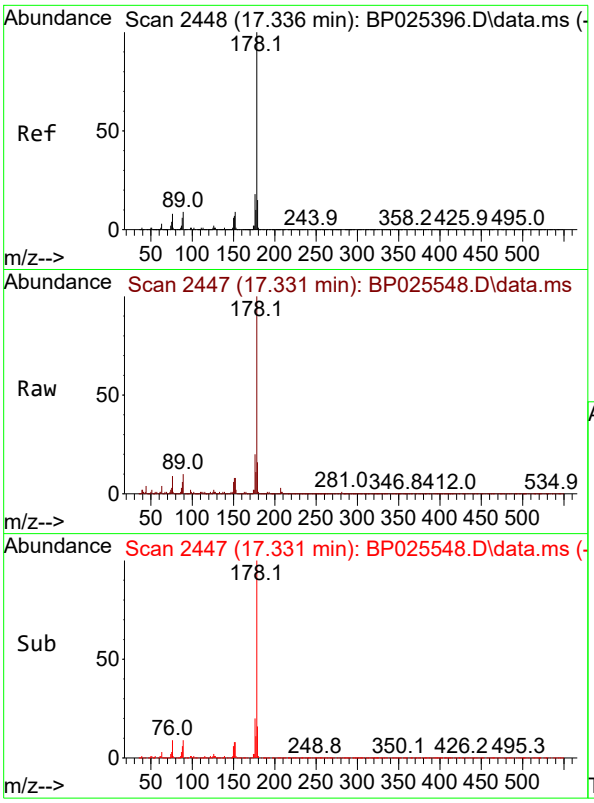


#71
Phenanthrene
Concen: 7.693 ng
RT: 17.231 min Scan# 2430
Delta R.T. -0.012 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:178 Resp: 406127

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.8	12.2	18.4

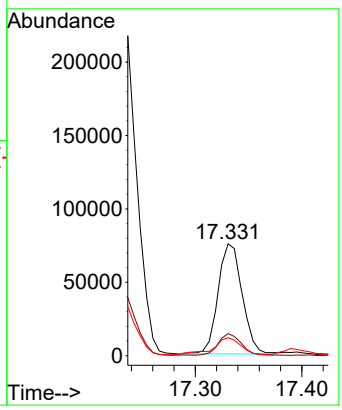




#72
Anthracene
Concen: 2.190 ng
RT: 17.331 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:178 Resp: 11808

Ion	Ratio	Lower	Upper
178	100		
176	19.8	14.7	22.1
179	16.1	12.2	18.2



Instrument :
BNA_P
ClientSampleId :
TG-S02

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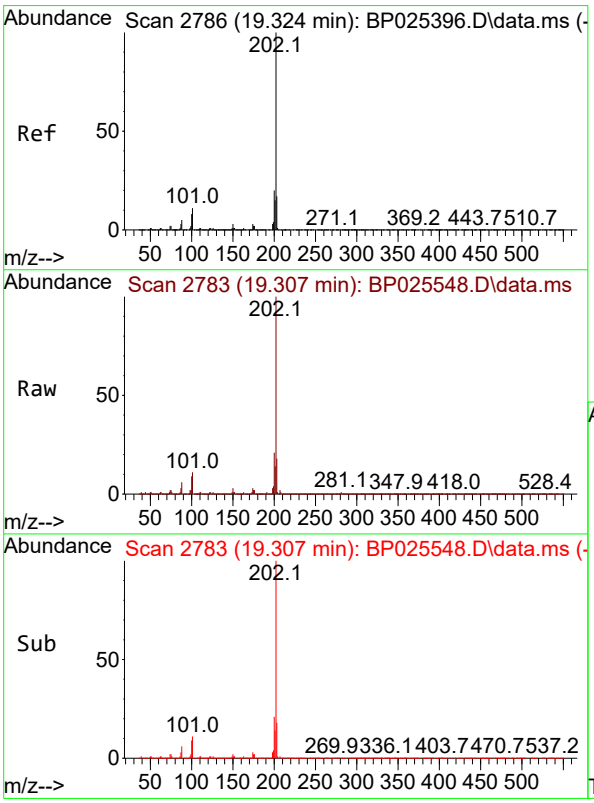
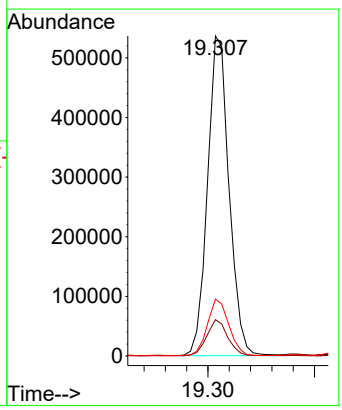
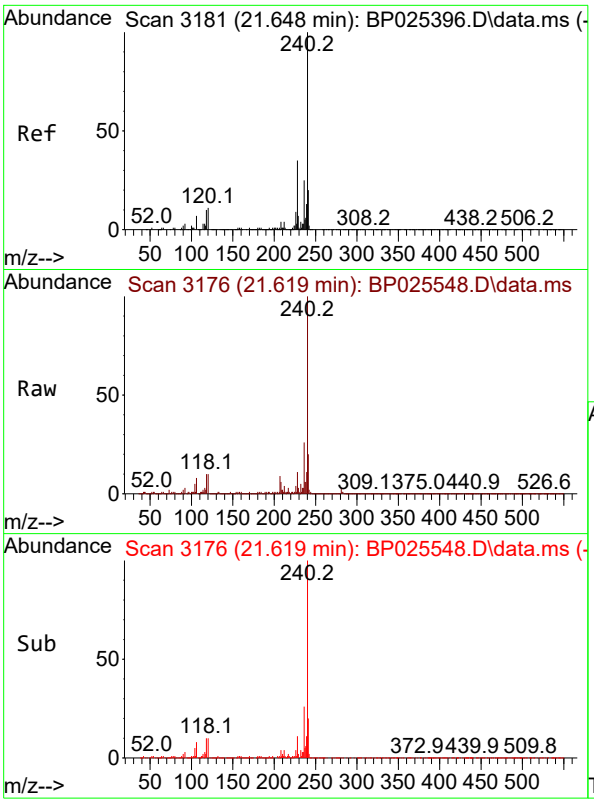


#75
Fluoranthene
Concen: 11.961 ng
RT: 19.307 min Scan# 2783
Delta R.T. -0.017 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:202 Resp: 753171

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.1
203	17.8	0.0	37.3

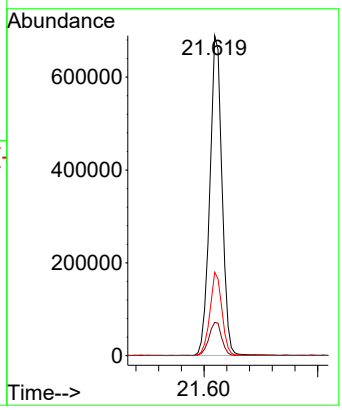




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.619 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:240 Resp: 102154

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.9	13.3
236	26.1	19.8	29.8



Instrument :
BNA_P
ClientSampleId :
TG-S02

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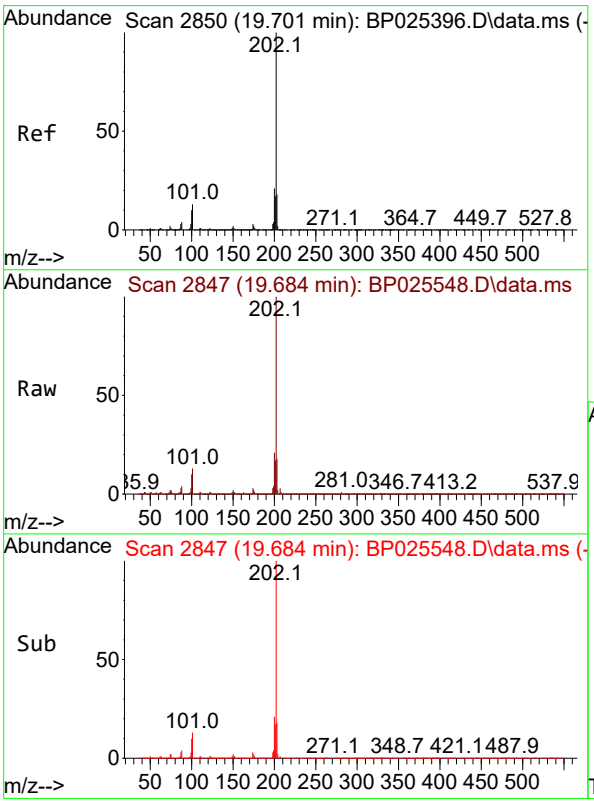
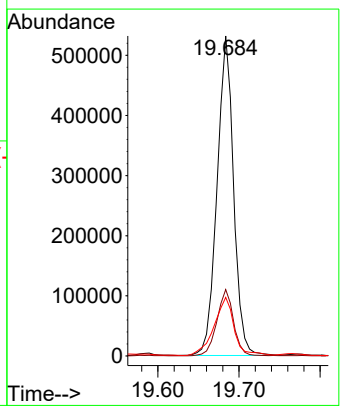
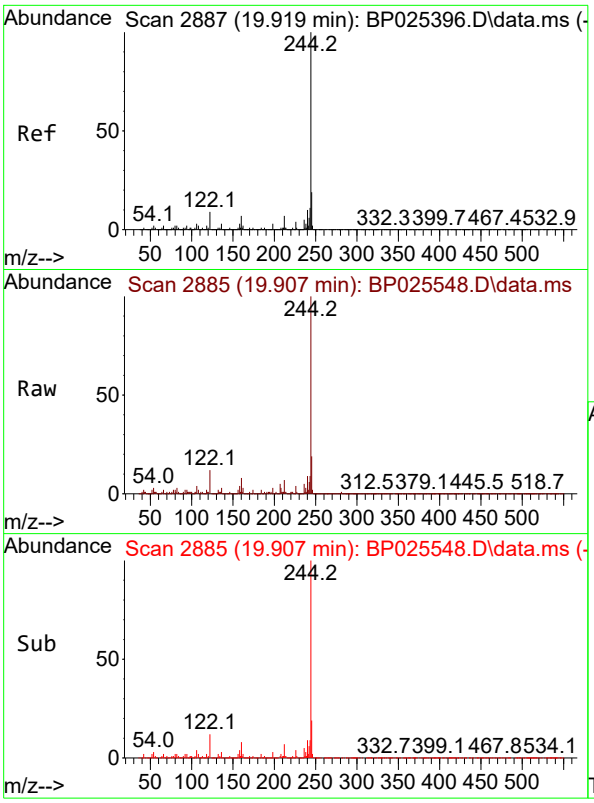


#78
Pyrene
Concen: 11.361 ng
RT: 19.684 min Scan# 2847
Delta R.T. -0.017 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:202 Resp: 754315

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	18.3	14.2	21.2

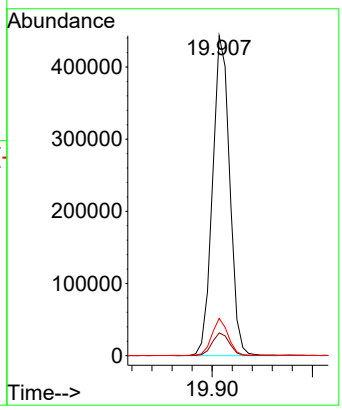




#79
Terphenyl-d14
Concen: 9.408 ng
RT: 19.907 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:244 Resp: 52530

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	11.6	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
TG-S02

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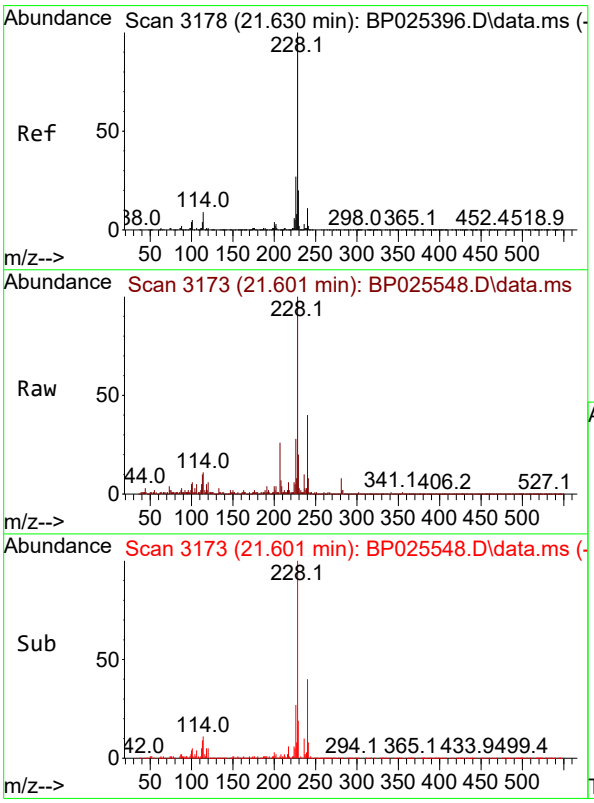
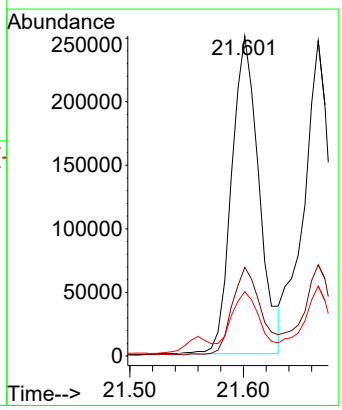
Supervised By :Jagrut Upadhyay 08/25/2025

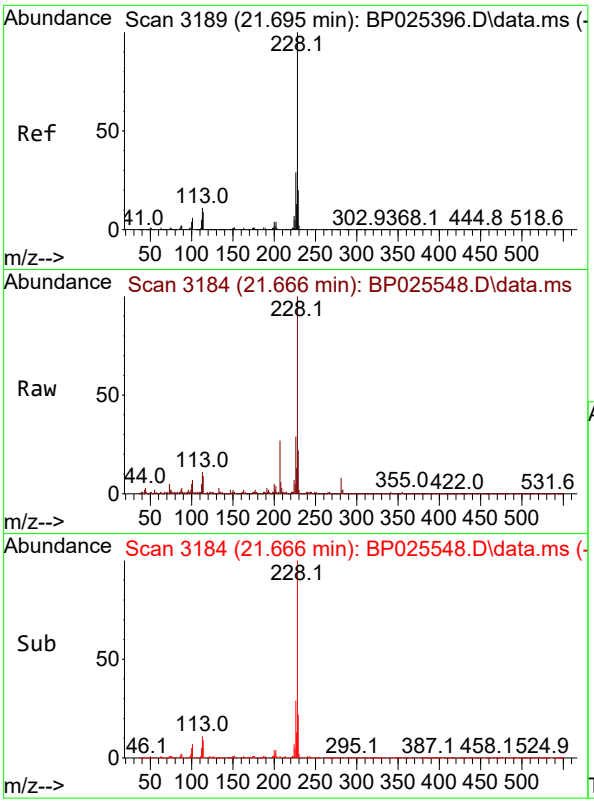


#81
Benzo(a)anthracene
Concen: 6.202 ng
RT: 21.601 min Scan# 3173
Delta R.T. -0.029 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:228 Resp: 417814

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.7	32.5
229	20.1	15.6	23.4

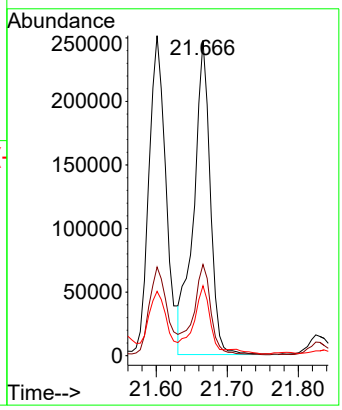




#83
Chrysene
Concen: 6.370 ng
RT: 21.666 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:228 Resp: 40192

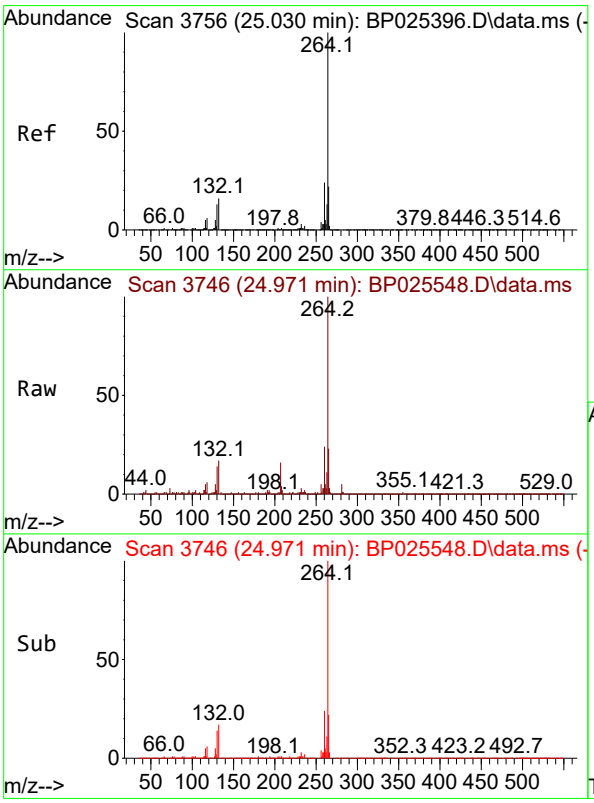
Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.2	34.8
229	22.2	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
TG-S02

Manual Integrations APPROVED

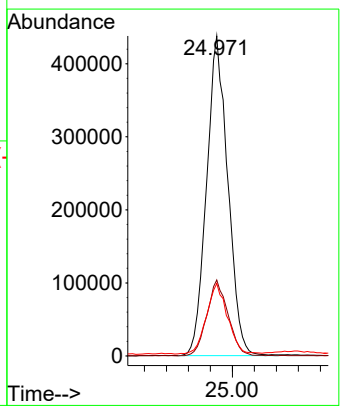
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025

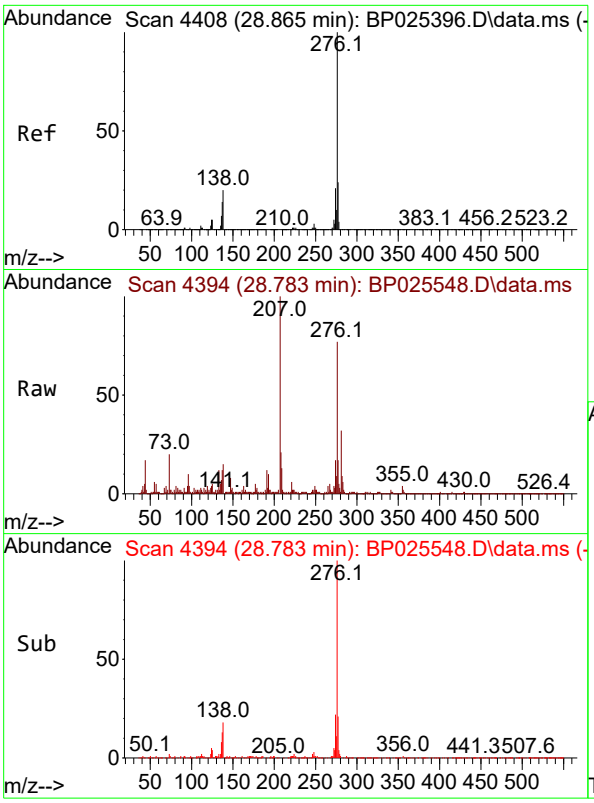


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.971 min Scan# 3746
Delta R.T. -0.059 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:264 Resp: 1175388

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	22.7	17.4	26.0

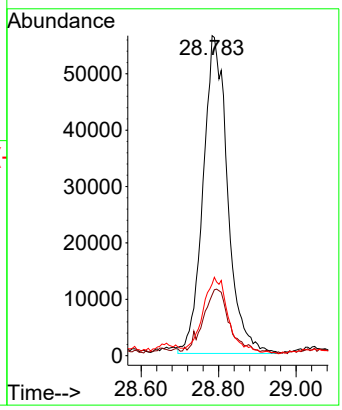




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.874 ng
RT: 28.783 min Scan# 4
Delta R.T. -0.082 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:276 Resp: 24774

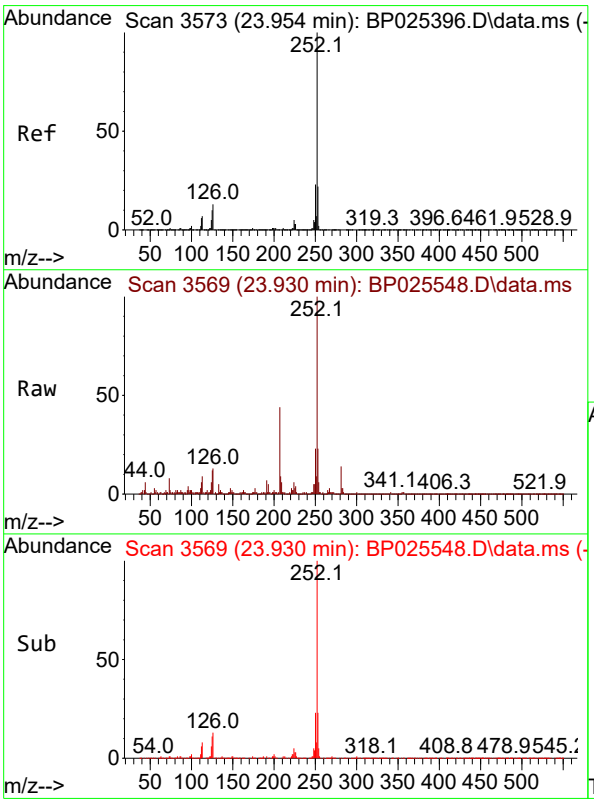
Ion	Ratio	Lower	Upper
276	100		
138	20.7	12.9	19.3#
277	23.8	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
TG-S02

Manual Integrations
APPROVED

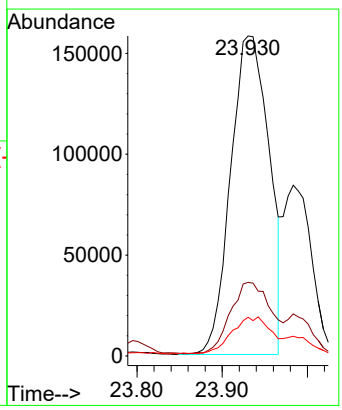
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025

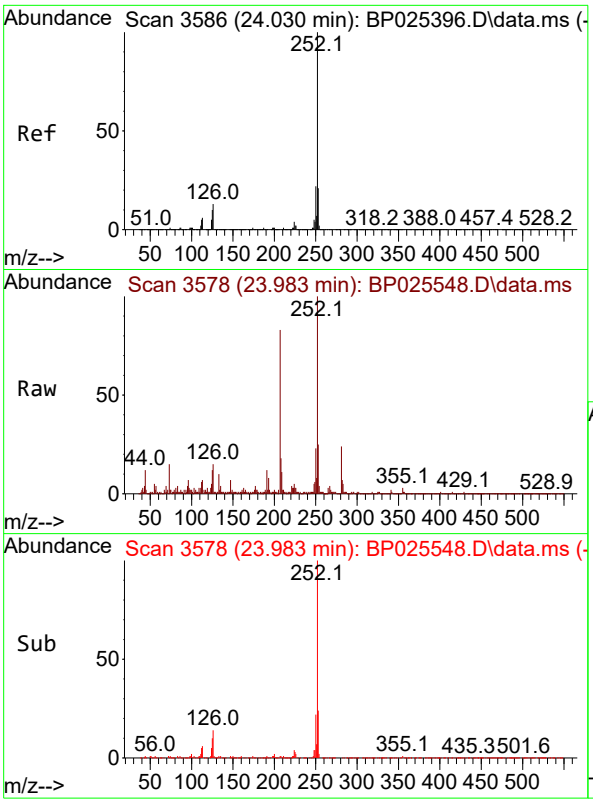


#88
Benzo(b)fluoranthene
Concen: 7.144 ng
RT: 23.930 min Scan# 3569
Delta R.T. -0.023 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:252 Resp: 495112

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	12.1	7.9	11.9#

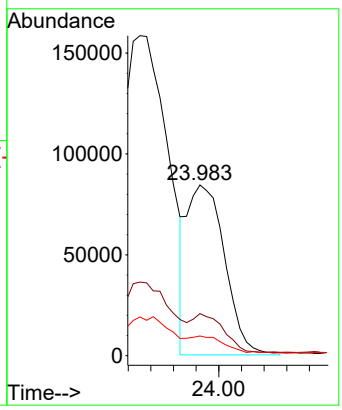




#89
Benzo(k)fluoranthene
Concen: 2.816 ng m
RT: 23.983 min Scan# 3
Delta R.T. -0.047 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:252 Resp: 19529

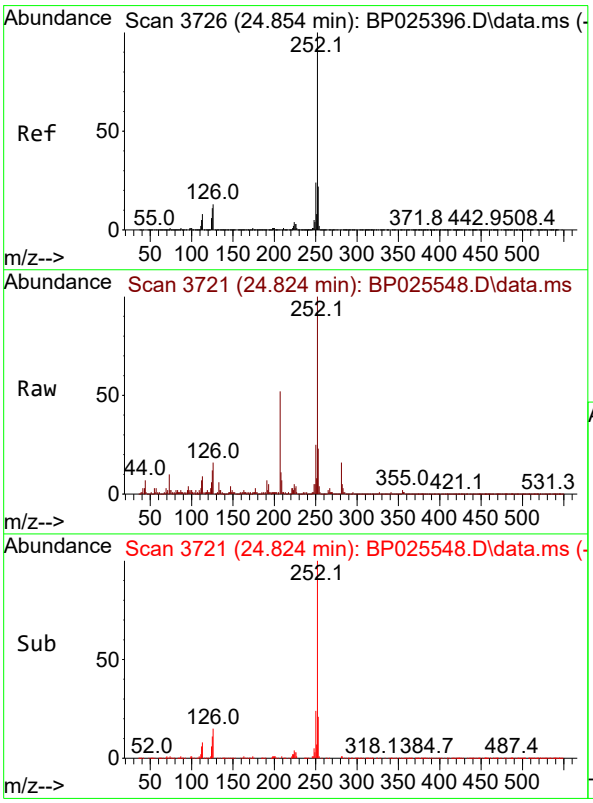
Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	11.6	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
TG-S02

Manual Integrations APPROVED

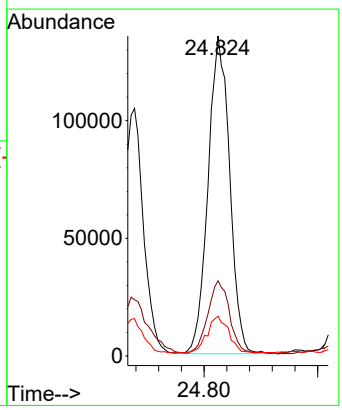
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025

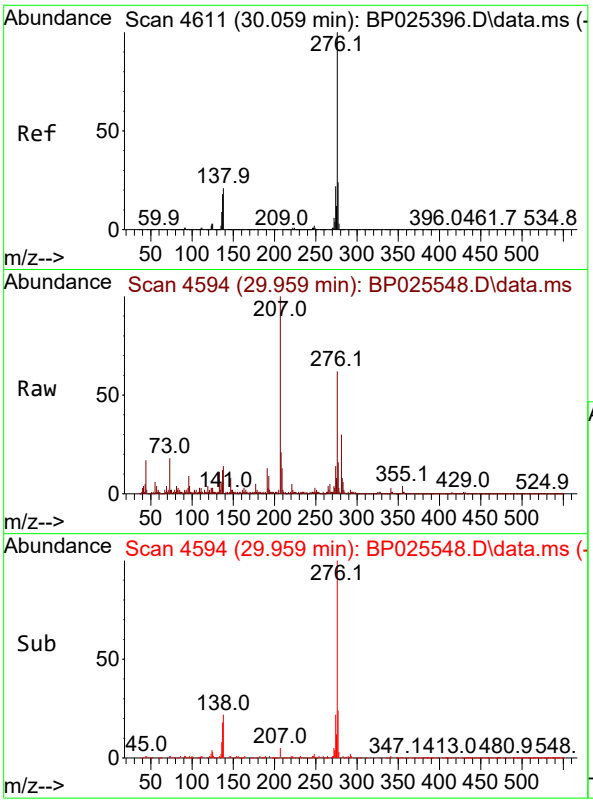


#90
Benzo(a)pyrene
Concen: 5.273 ng
RT: 24.824 min Scan# 3721
Delta R.T. -0.029 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:252 Resp: 355781

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	12.4	8.7	13.1

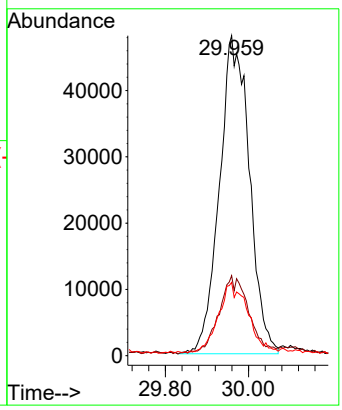




#92
Benzo(g,h,i)perylene
Concen: 3.464 ng
RT: 29.959 min Scan# 4
Delta R.T. -0.100 min
Lab File: BP025548.D
Acq: 22 Aug 2025 14:13

Tgt Ion:276 Resp: 23988

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.4	29.0
138	22.9	16.7	25.1



Instrument :
BNA_P
ClientSampleId :
TG-S02

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025

Sample Results: **BP025548.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025548.D
Acq On : 22 Aug 2025 14:13
Operator : CG/JU
Sample : Q2832-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S02

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

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

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

Signal : TIC: BP025548.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.031	12	16	27	rVB	203605	267809	6.79%	0.867%
2	3.561	102	106	115	rBV	50357	73653	1.87%	0.239%
3	4.943	336	341	350	rVB	34703	55510	1.41%	0.180%
4	5.396	411	418	426	rBV	337644	511085	12.96%	1.655%
5	6.961	676	684	692	rBV	327168	536536	13.61%	1.738%
6	7.778	816	823	833	rBV	654776	1078810	27.36%	3.494%
7	8.919	1010	1017	1027	rBV	207164	356523	9.04%	1.155%
8	10.549	1286	1294	1301	rBV	828213	1489578	37.78%	4.824%
9	13.007	1705	1712	1724	rBV	585739	884687	22.44%	2.865%
10	14.113	1892	1900	1911	rVB2	44957	83026	2.11%	0.269%
11	14.401	1939	1949	1955	rBV	1271381	2019414	51.22%	6.540%
12	14.460	1955	1959	1966	rVB	47659	72167	1.83%	0.234%
13	14.796	2011	2016	2023	rVB2	37736	62102	1.58%	0.201%
14	15.460	2123	2129	2133	rBV2	53771	83965	2.13%	0.272%
15	15.778	2176	2183	2189	rVB2	103217	159130	4.04%	0.515%
16	15.901	2198	2204	2214	rBV	496536	703590	17.84%	2.279%
17	16.154	2241	2247	2249	rBV4	27539	47301	1.20%	0.153%
18	16.478	2293	2302	2304	rBV6	19749	44120	1.12%	0.143%
19	16.837	2359	2363	2372	rVB2	37711	66944	1.70%	0.217%
20	16.919	2372	2377	2382	rBV4	21502	55258	1.40%	0.179%
21	17.013	2388	2393	2402	rVB	34683	66260	1.68%	0.215%
22	17.190	2416	2423	2427	rBV	1626754	2449708	62.13%	7.934%
23	17.231	2427	2430	2438	rVB	601542	910594	23.09%	2.949%
24	17.331	2443	2447	2453	rVV	174997	271842	6.89%	0.880%
25	17.607	2489	2494	2498	rBV	43271	60607	1.54%	0.196%
26	18.101	2573	2578	2580	rBV	117308	174949	4.44%	0.567%
27	18.131	2580	2583	2591	rVV2	233914	493538	12.52%	1.598%
28	18.231	2595	2600	2604	rVV	66119	117559	2.98%	0.381%
29	18.295	2605	2611	2615	rVV2	167451	347285	8.81%	1.125%
30	18.331	2615	2617	2626	rVB	95137	136092	3.45%	0.441%
31	18.613	2661	2665	2669	rBV	77453	117225	2.97%	0.380%
32	18.654	2669	2672	2683	rVB3	59387	109264	2.77%	0.354%
33	18.866	2705	2708	2712	rVB2	43374	48792	1.24%	0.158%
34	18.919	2713	2717	2721	rVV	35516	53170	1.35%	0.172%
35	19.048	2734	2739	2743	rBV	114709	171098	4.34%	0.554%
36	19.107	2744	2749	2752	rBV4	53566	106550	2.70%	0.345%

Sample Results: **BP025548.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025548.D
Acq On : 22 Aug 2025 14:13
Operator : CG/JU
Sample : Q2832-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S02

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

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

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

37	19.189	2758	2763	2772	rBV2	84084	166359	4.22%	0.539%
38	19.307	2778	2783	2790	rBV	1221253	1723053	43.70%	5.580%
39	19.419	2799	2802	2805	rBV4	32106	47155	1.20%	0.153%
40	19.454	2805	2808	2810	rBV3	54215	61525	1.56%	0.199%
41	19.684	2838	2847	2858	rBV	1205251	2022510	51.30%	6.550%
42	19.772	2858	2862	2868	rVB3	86685	137109	3.48%	0.444%
43	19.872	2876	2879	2881	rBV	72949	82834	2.10%	0.268%
44	19.907	2881	2885	2897	rVB	1229542	1563929	39.66%	5.065%
45	20.031	2902	2906	2907	rBV3	70996	92363	2.34%	0.299%
46	20.172	2927	2930	2931	rBV2	50968	61258	1.55%	0.198%
47	20.201	2933	2935	2940	rVB2	172847	205453	5.21%	0.665%
48	20.313	2952	2954	2957	rVB	87813	81702	2.07%	0.265%
49	20.366	2959	2963	2968	rBV3	136207	245583	6.23%	0.795%
50	20.519	2986	2989	2992	rVB	93252	95637	2.43%	0.310%
51	20.560	2994	2996	3001	rVB	94240	106550	2.70%	0.345%
52	20.719	3019	3023	3028	rVB	260523	344561	8.74%	1.116%
53	20.989	3066	3069	3079	rBV	121357	197874	5.02%	0.641%
54	21.619	3168	3176	3181	rBV3	2057203	3942848	100.00%	12.769%
55	21.666	3181	3184	3190	rVB	596009	783892	19.88%	2.539%
56	23.936	3563	3570	3575	rBV	335161	911944	23.13%	2.953%
57	24.824	3717	3721	3729	rVB	306604	696016	17.65%	2.254%
58	24.971	3738	3746	3756	rBV	1135734	3021442	76.63%	9.785%

Sum of corrected areas: 30877338

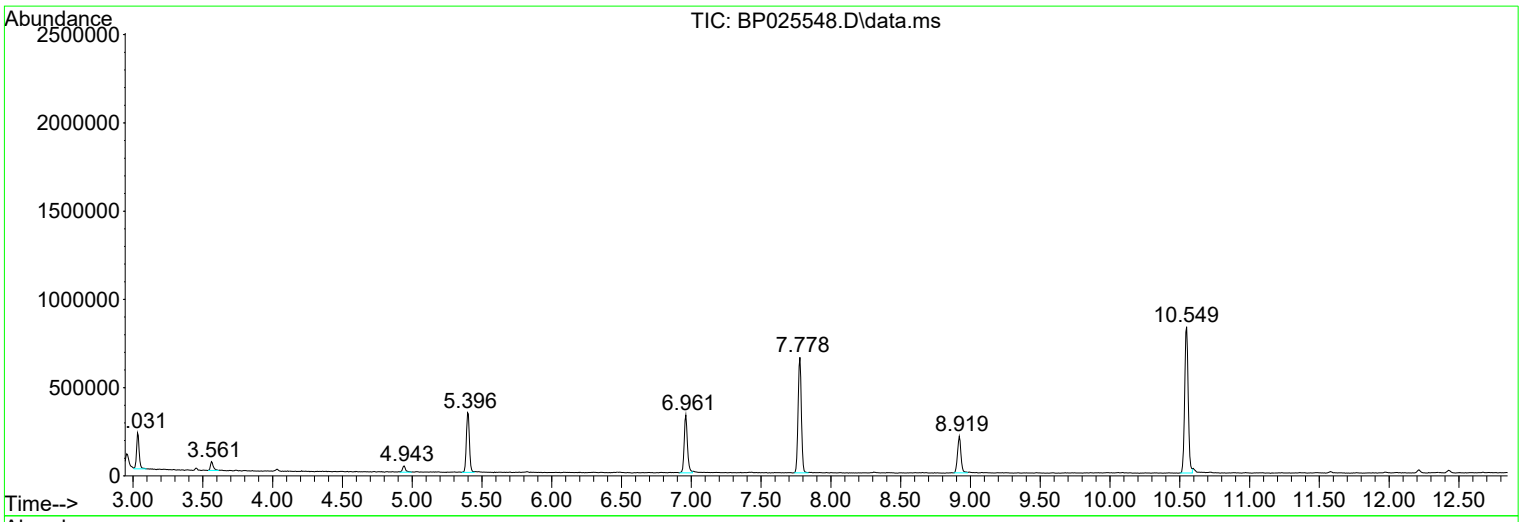
Sample Results: **BP025548.D**

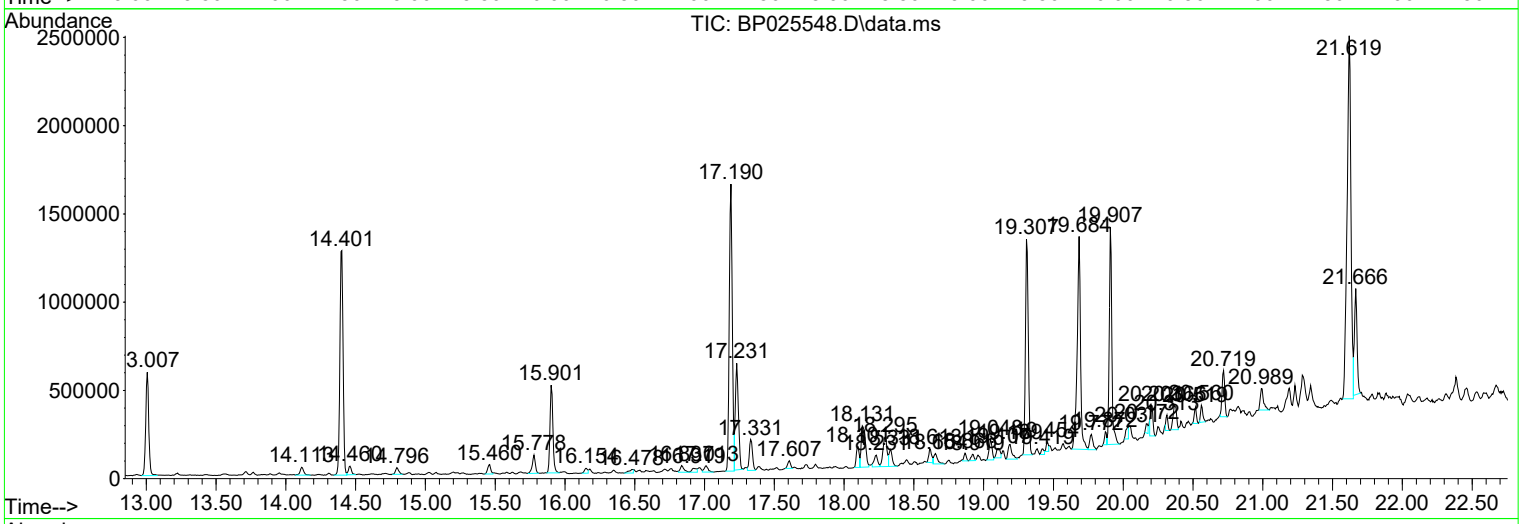
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025548.D
Acq On : 22 Aug 2025 14:13
Operator : CG/JU
Sample : Q2832-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

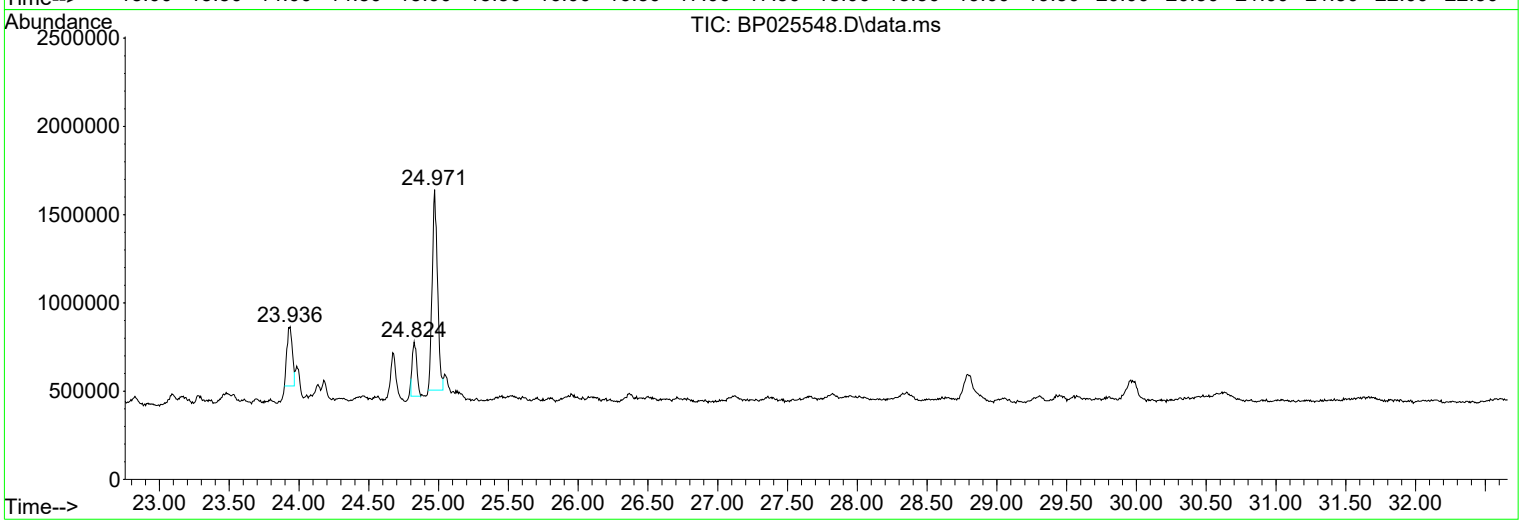
Instrument :
BNA_P
ClientSampleId :
TG-S02

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025548.D
Acq On : 22 Aug 2025 14:13
Operator : CG/JU
Sample : Q2832-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S02

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

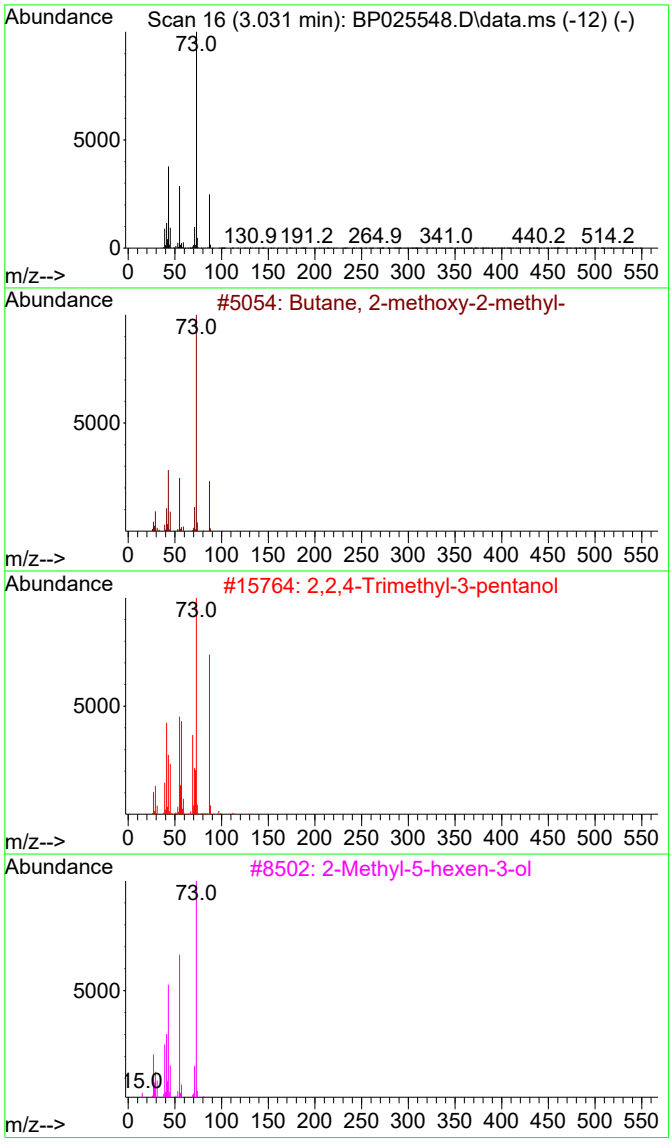
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

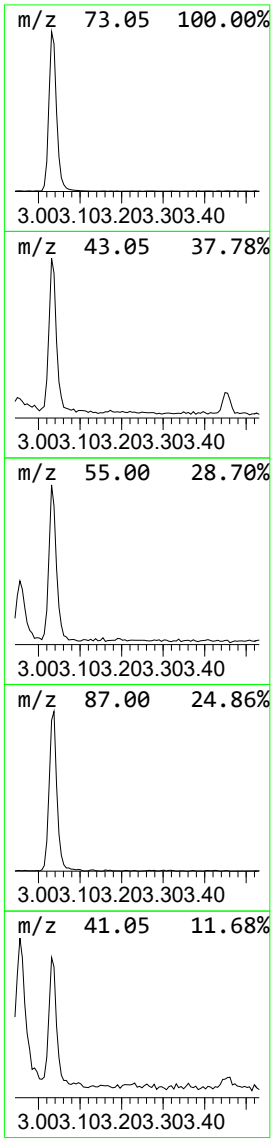
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	4.96 ng	267809	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025548.D
Acq On : 22 Aug 2025 14:13
Operator : CG/JU
Sample : Q2832-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S02

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

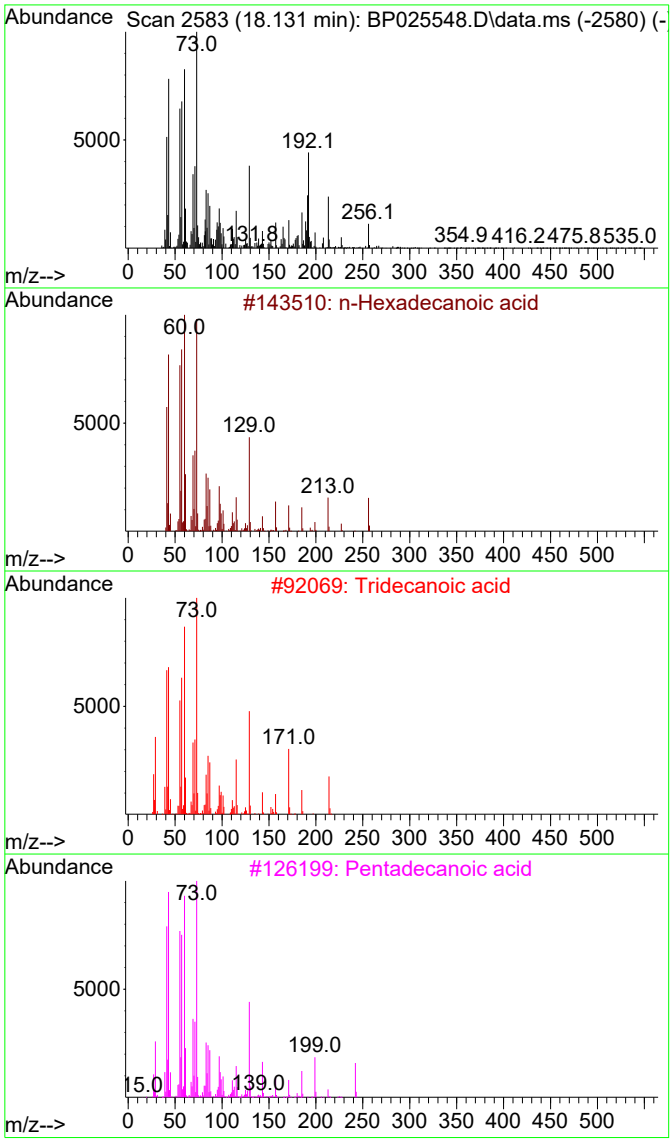
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

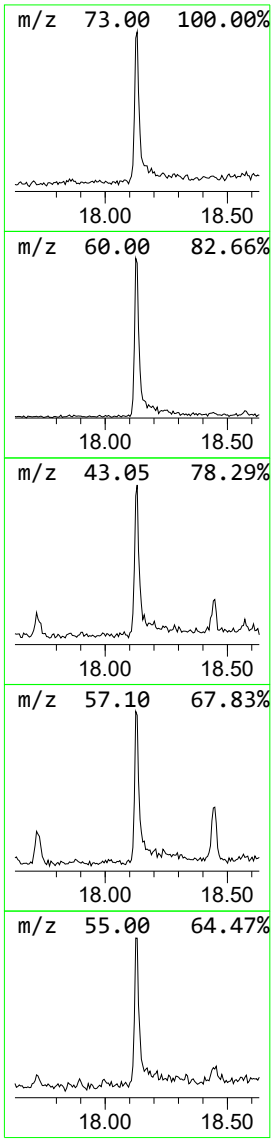
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.131	4.03 ng	493538	Phenanthrene-d10	17.189

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	96
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Dodecanoic acid	200	C12H24O2	000143-07-7	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025548.D
Acq On : 22 Aug 2025 14:13
Operator : CG/JU
Sample : Q2832-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S02

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

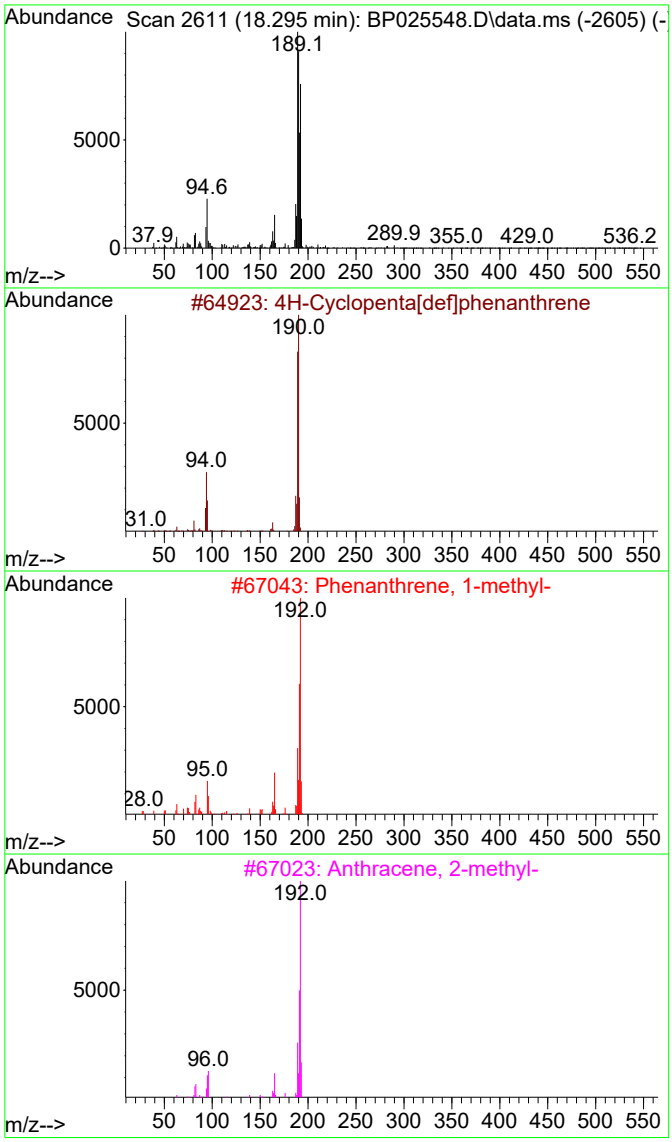
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

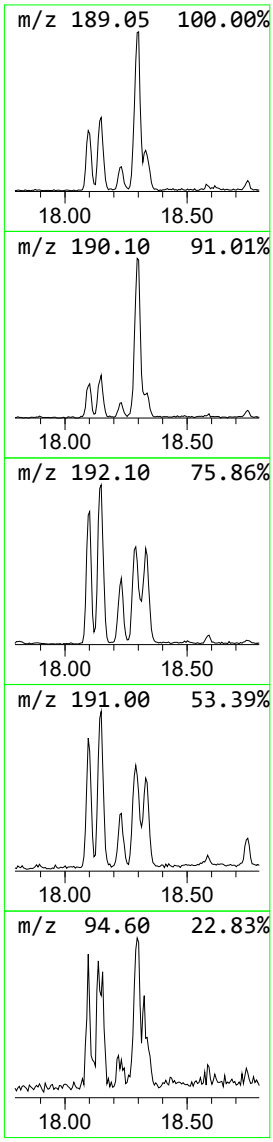
****

Peak Number 3 unknown18.295 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.295	2.84 ng	347285	Phenanthrene-d10	17.189

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025548.D
Acq On : 22 Aug 2025 14:13
Operator : CG/JU
Sample : Q2832-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S02

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.031	5.0	ng	267809	1	7.778	1078810	20.0
n-Hexadecanoic ...	18.131	4.0	ng	493538	4	17.189	2449710	20.0
unknown18.295	18.295	2.8	ng	347285	4	17.189	2449710	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025467.D
Acq On : 18 Aug 2025 18:58
Operator : CG/JU
Sample : Q2832-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S03

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

Quant Time: Aug 19 01:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	166743	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	660243	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	424895	20.000	ng		0.00
64) Phenanthrene-d10	17.207	188	851839	20.000	ng		0.00
76) Chrysene-d12	21.636	240	883261	20.000	ng		-0.01
86) Perylene-d12	25.007	264	1051674	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	203284	20.246	ng		0.00
7) Phenol-d6	6.961	99	261266	20.296	ng		0.00
23) Nitrobenzene-d5	8.931	82	171357	13.129	ng		0.00
42) 2,4,6-Tribromophenol	15.919	330	115156	20.135	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	420220	13.516	ng		0.00
79) Terphenyl-d14	19.919	244	712593	14.761	ng		0.00
Target Compounds							Qvalue
49) Acenaphthylene	14.131	152	150197	3.778	ng		98
71) Phenanthrene	17.242	178	435124	9.299	ng		100
72) Anthracene	17.331	178	300242	6.283	ng		99
75) Fluoranthene	19.330	202	1493830	26.763	ng		99
78) Pyrene	19.701	202	1473195	25.661	ng		100
81) Benzo(a)anthracene	21.613	228	962691	16.526	ng		99
83) Chrysene	21.677	228	1010978m	18.532	ng		
87) Indeno(1,2,3-cd)pyrene	28.818	276	737621	9.564	ng	#	89
88) Benzo(b)fluoranthene	23.942	252	1561236	25.175	ng		98
89) Benzo(k)fluoranthene	24.007	252	591143m	9.526	ng		
90) Benzo(a)pyrene	24.848	252	853157	14.133	ng		96
91) Dibenzo(a,h)anthracene	28.877	278	201725	3.201	ng		95
92) Benzo(g,h,i)perylene	30.000	276	667740	10.778	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025467.D
Acq On : 18 Aug 2025 18:58
Operator : CG/JU
Sample : Q2832-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 19 01:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
TG-S03

Manual Integrations APPROVED

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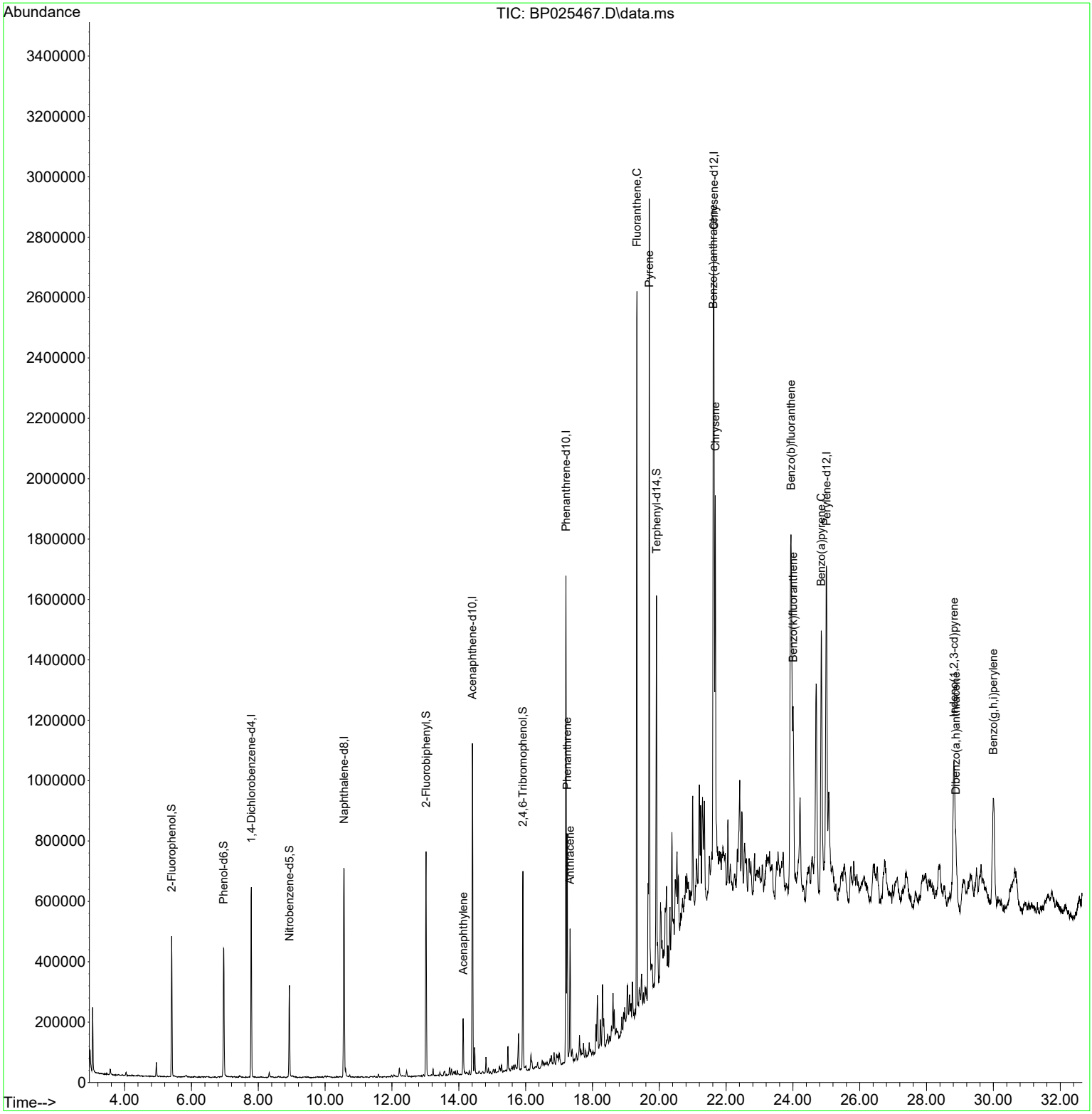
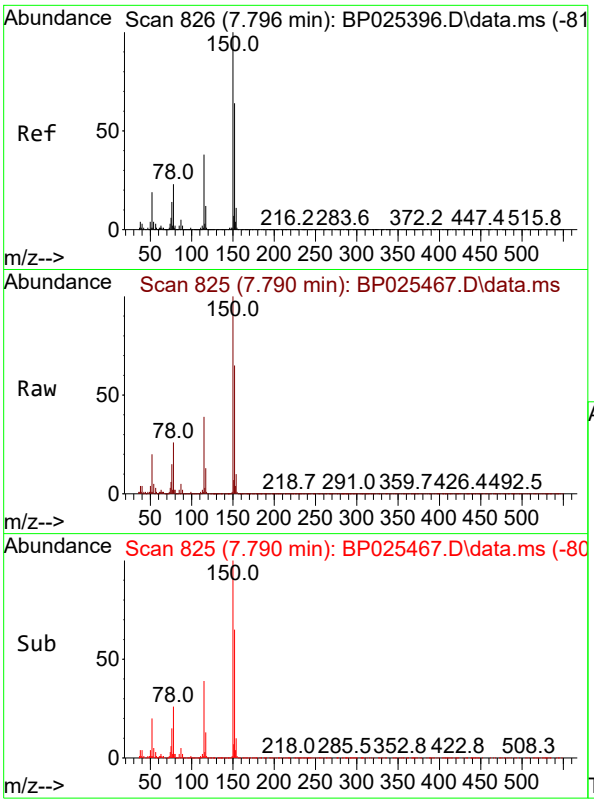
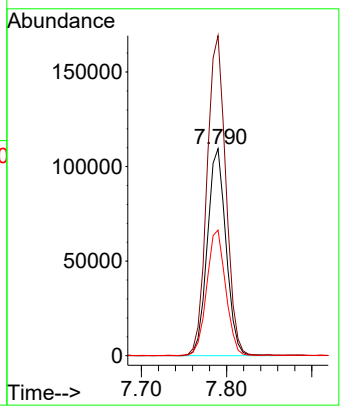




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:152 Resp: 16674

Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.9	188.9
115	60.7	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
TG-S03

Manual Integrations
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Reviewed By :Rahul Chavli 08/19/2025
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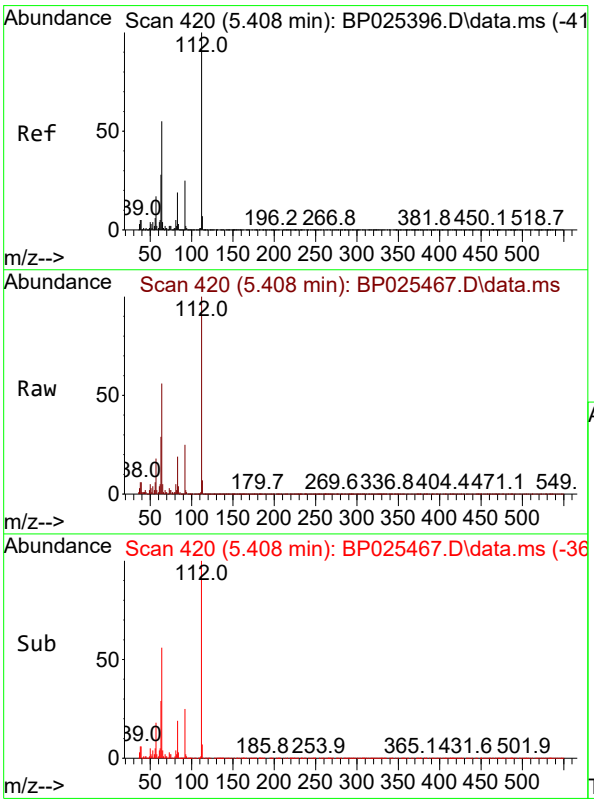
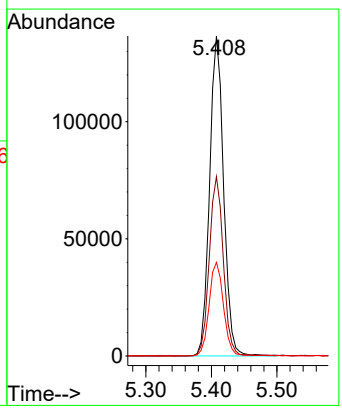
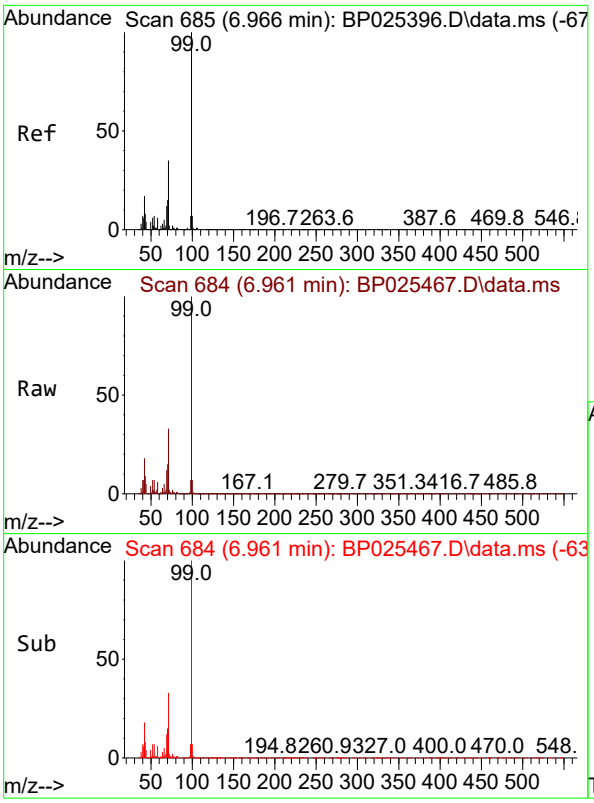


#5
2-Fluorophenol
Concen: 20.246 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:112 Resp: 203284

Ion	Ratio	Lower	Upper
112	100		
64	56.1	43.8	65.8
63	29.3	22.7	34.1

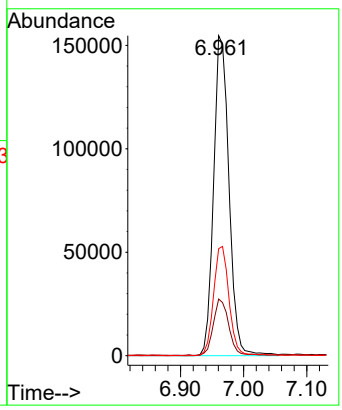




#7
Phenol-d6
Concen: 20.296 ng
RT: 6.961 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion: 99 Resp: 26126

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.7	20.5
71	33.5	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
TG-S03

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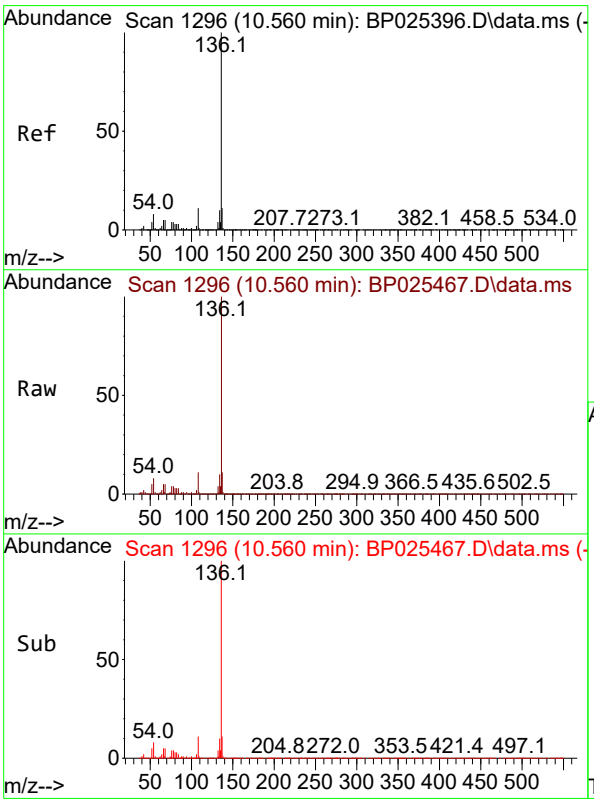
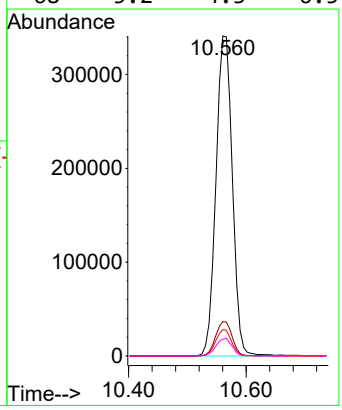
Supervised By :Jagrut Upadhyay 08/19/2025

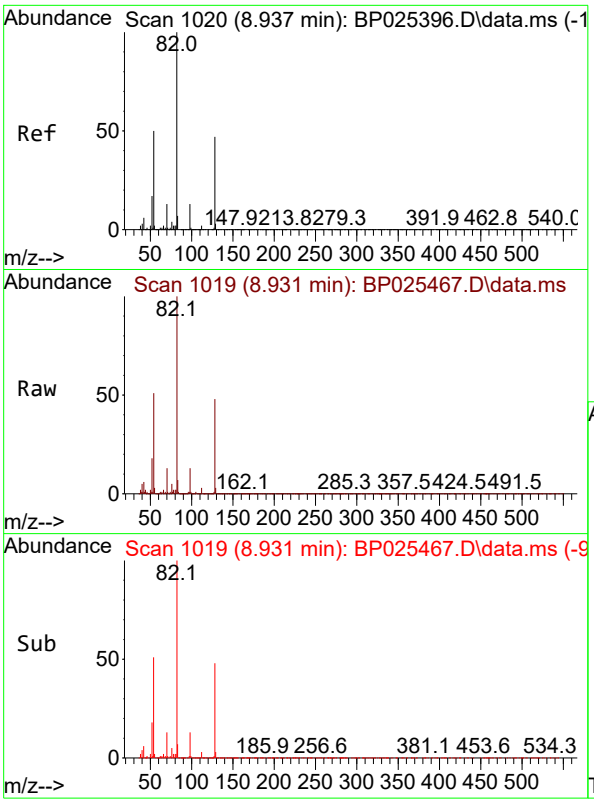


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:136 Resp: 660243

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	8.2	6.0	9.0
68	5.2	4.3	6.5





#23
Nitrobenzene-d5
Concen: 13.129 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion: 82 Resp: 17135

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.7	56.5
54	50.9	39.8	59.6

Instrument :
BNA_P
ClientSampleId :
TG-S03

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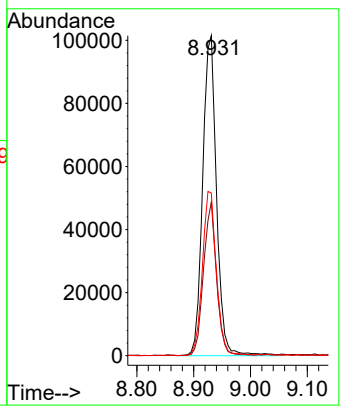
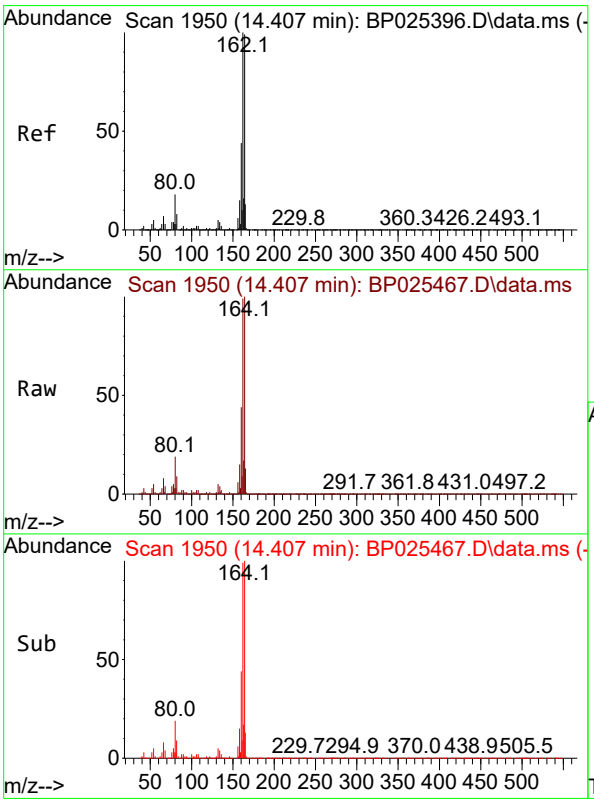
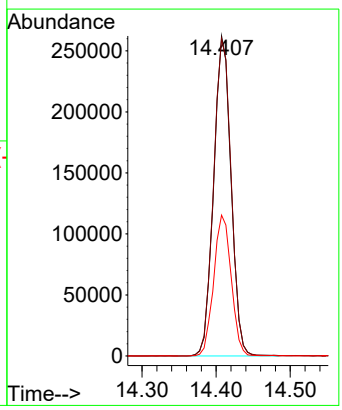


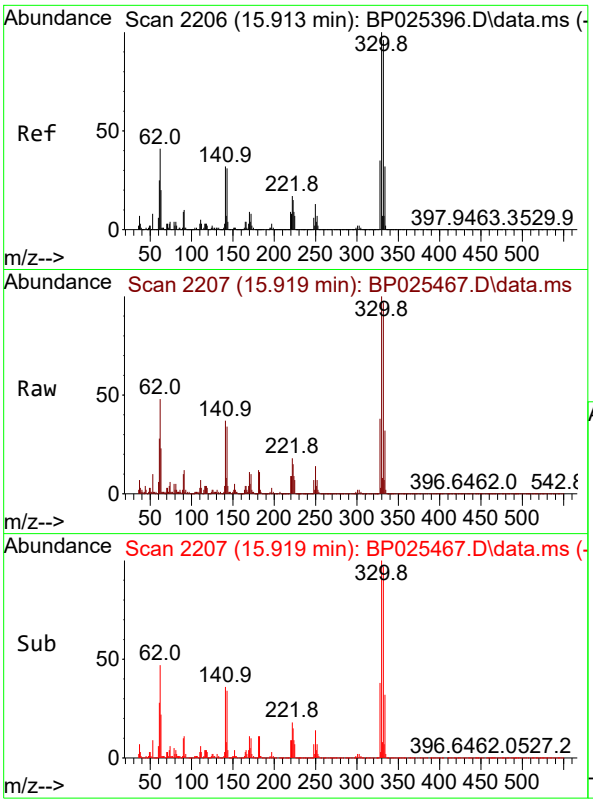


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:164 Resp: 424895

Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.0	121.6
160	44.0	35.4	53.2

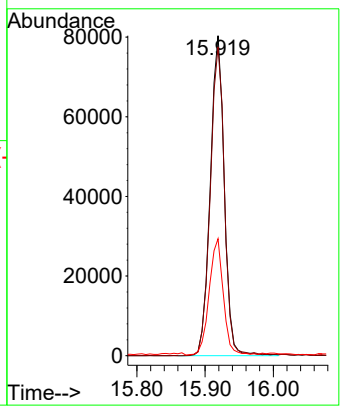




#42
2,4,6-Tribromophenol
Concen: 20.135 ng
RT: 15.919 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

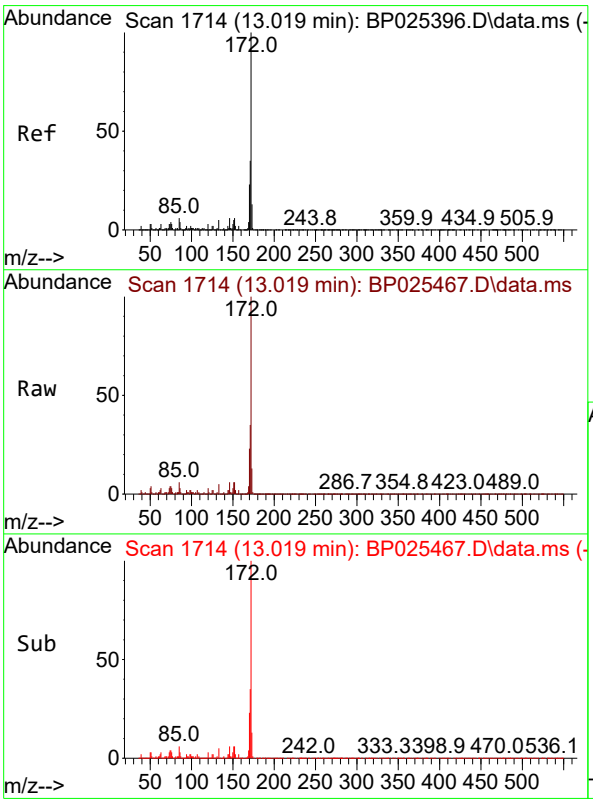
Tgt Ion:330 Resp: 11515

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.3	115.9
141	36.7	26.6	39.8



Instrument :
BNA_P
ClientSampleId :
TG-S03

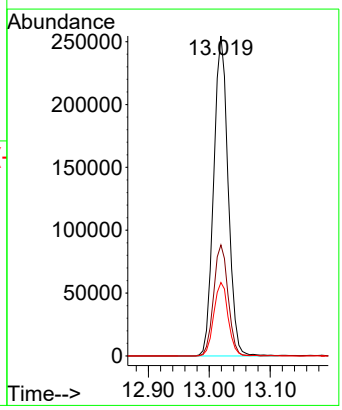
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

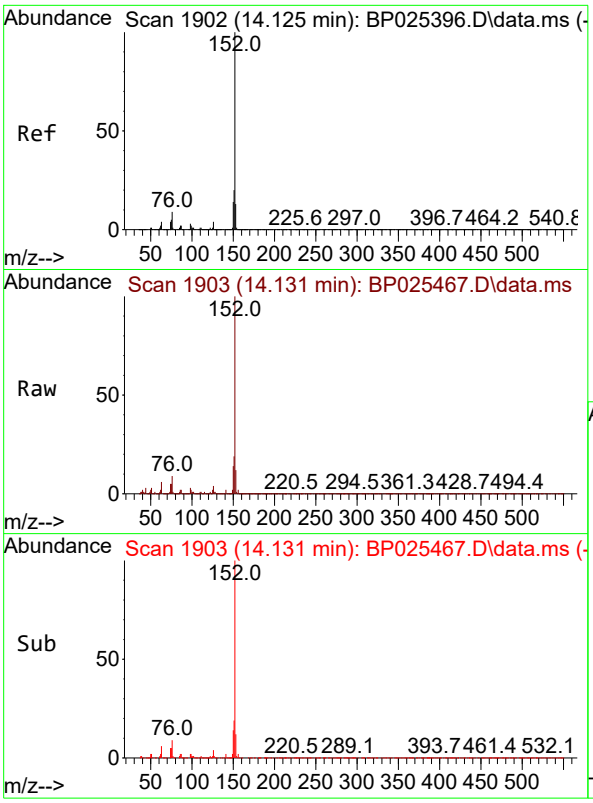


#45
2-Fluorobiphenyl
Concen: 13.516 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:172 Resp: 420220

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.1	42.1
170	22.9	18.6	28.0

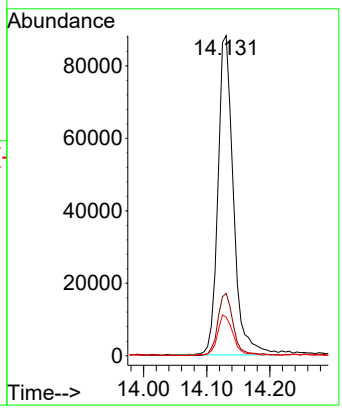




#49
Acenaphthylene
Concen: 3.778 ng
RT: 14.131 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:152 Resp: 15019

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.0	24.0
153	12.0	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
TG-S03

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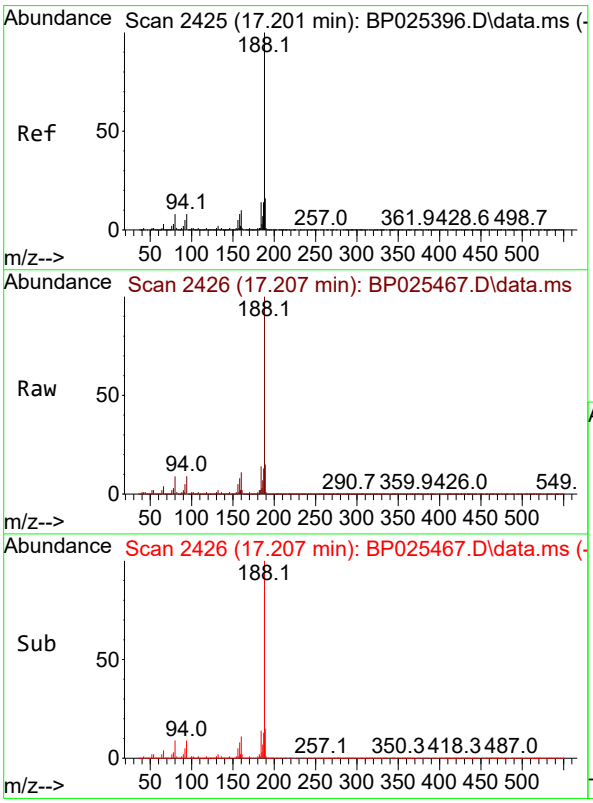
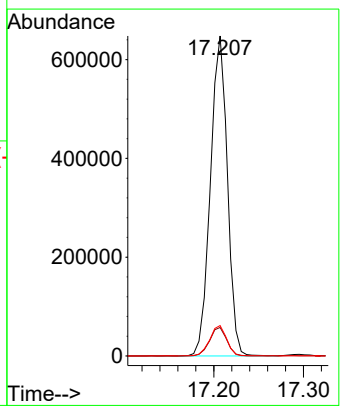
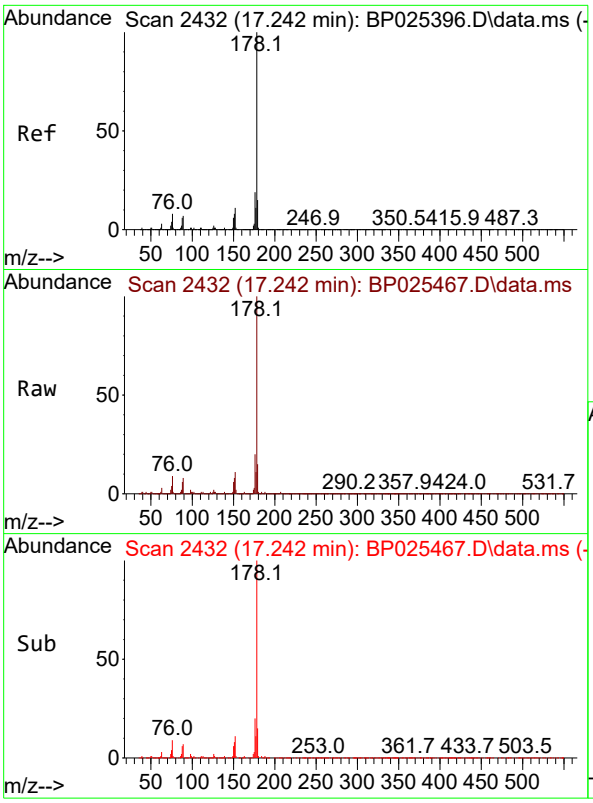


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:188 Resp: 851839

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.5	6.7	10.1

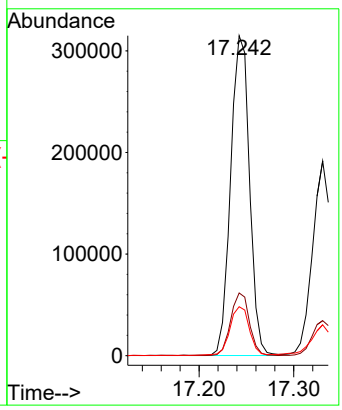




#71
Phenanthrene
Concen: 9.299 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:178 Resp: 43512

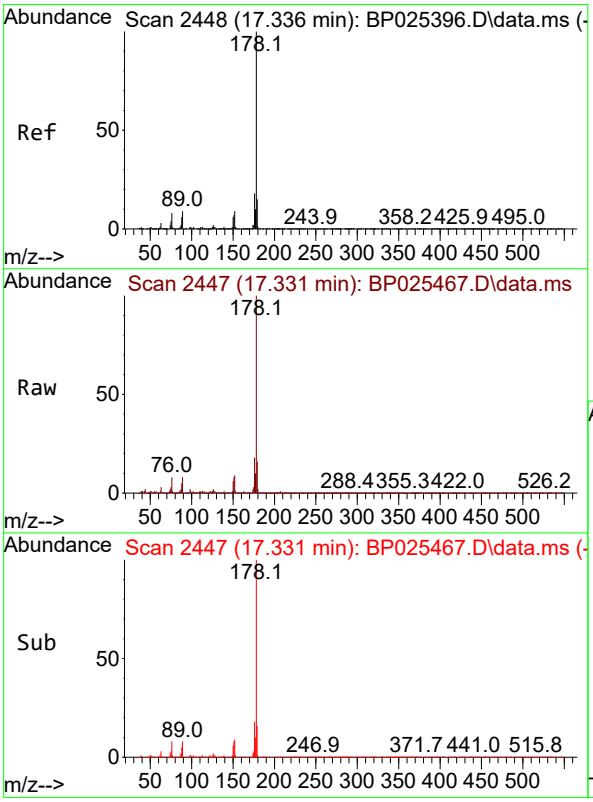
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.3	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
TG-S03

Manual Integrations APPROVED

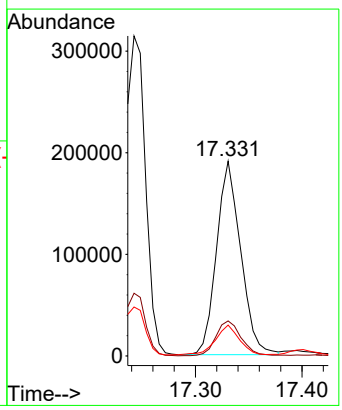
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

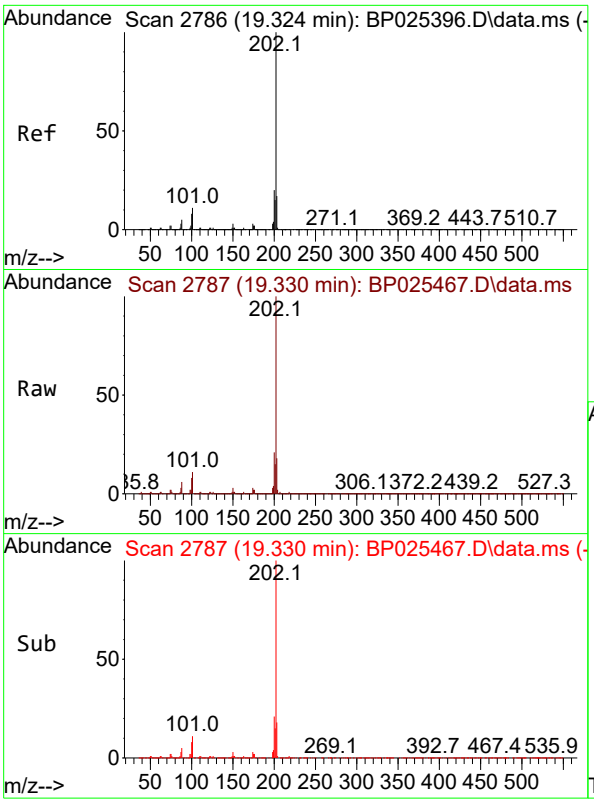


#72
Anthracene
Concen: 6.283 ng
RT: 17.331 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:178 Resp: 300242

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.7	22.1
179	15.9	12.2	18.2

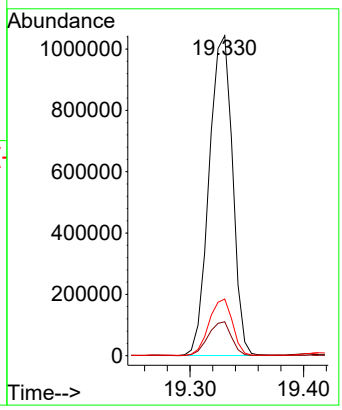




#75
Fluoranthene
Concen: 26.763 ng
RT: 19.330 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:202 Resp: 149383

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.1
203	17.7	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
TG-S03

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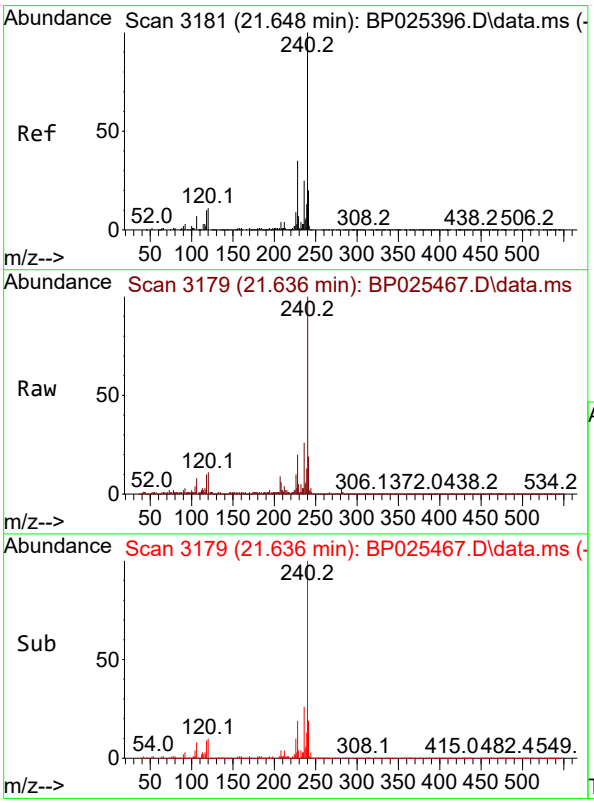
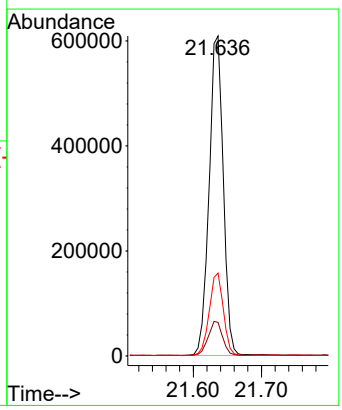
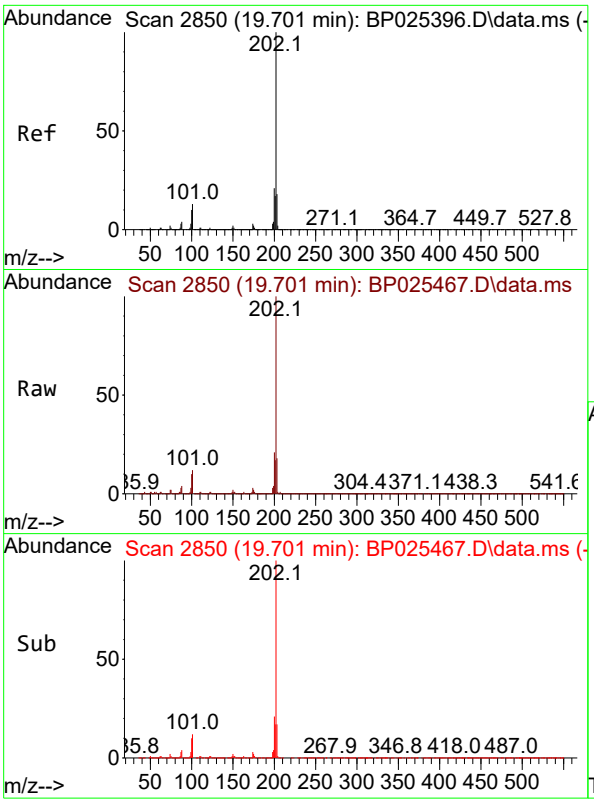


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:240 Resp: 883261

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.9	19.8	29.8

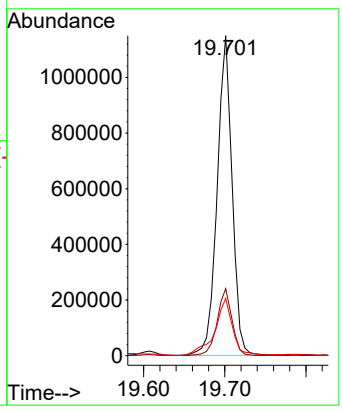




#78
Pyrene
Concen: 25.661 ng
RT: 19.701 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

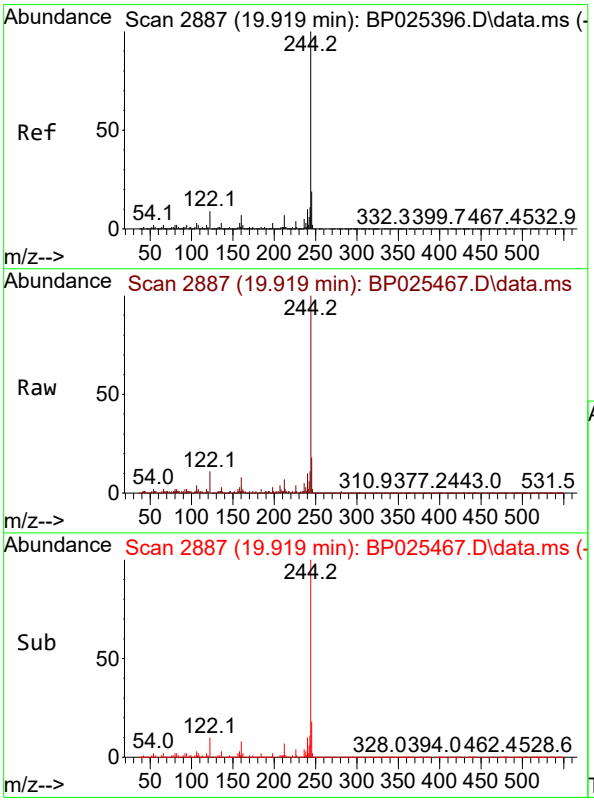
Tgt Ion:202 Resp: 147319

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.9	14.2	21.2



Instrument :
BNA_P
ClientSampleId :
TG-S03

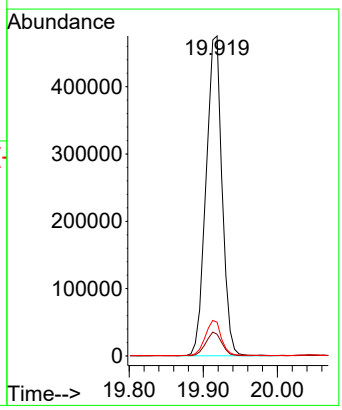
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

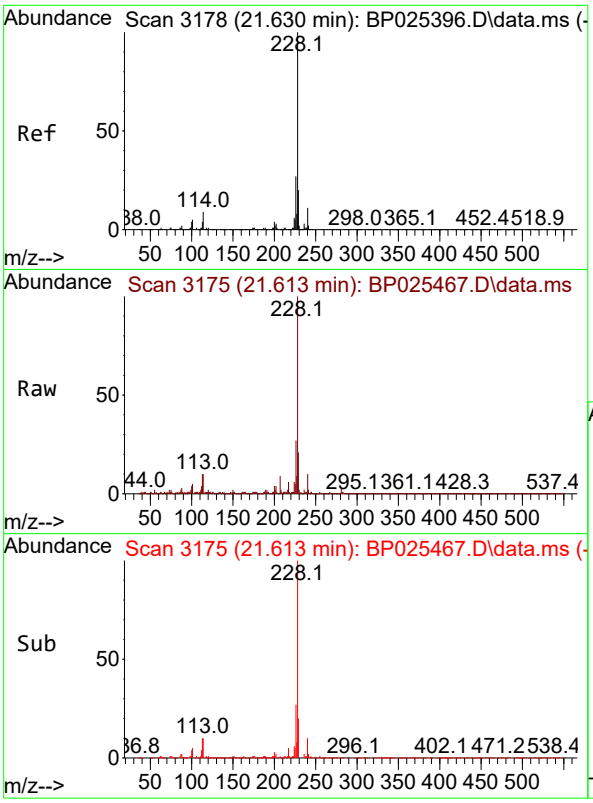


#79
Terphenyl-d14
Concen: 14.761 ng
RT: 19.919 min Scan# 2887
Delta R.T. 0.000 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:244 Resp: 712593

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	10.5	7.4	11.2

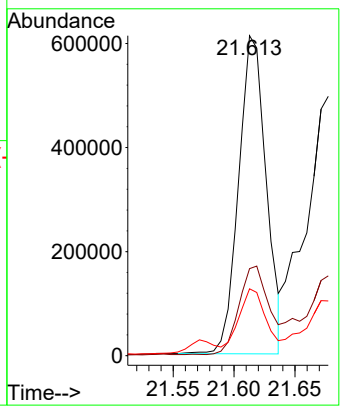




#81
Benzo(a)anthracene
Concen: 16.526 ng
RT: 21.613 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:228 Resp: 96269

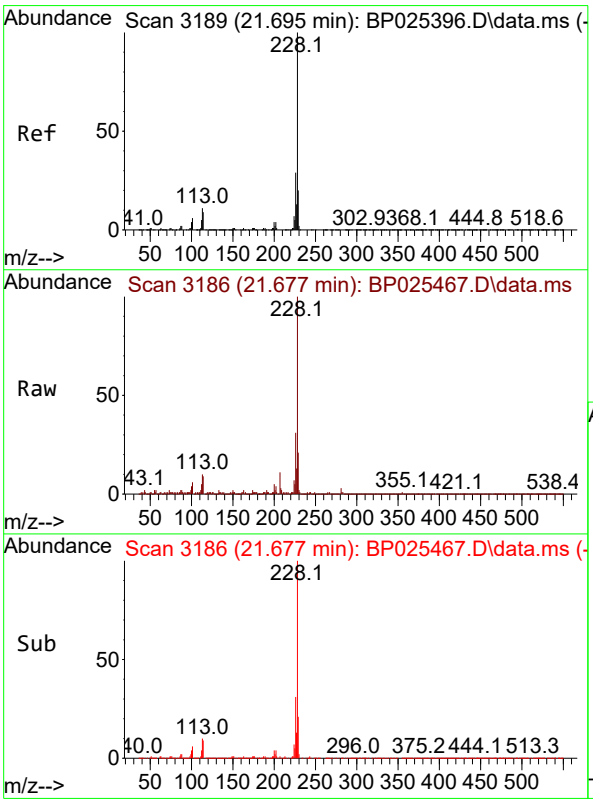
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	20.9	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
TG-S03

Manual Integrations APPROVED

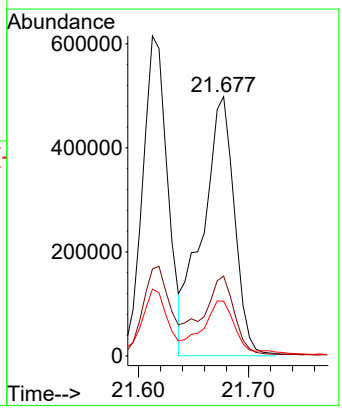
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

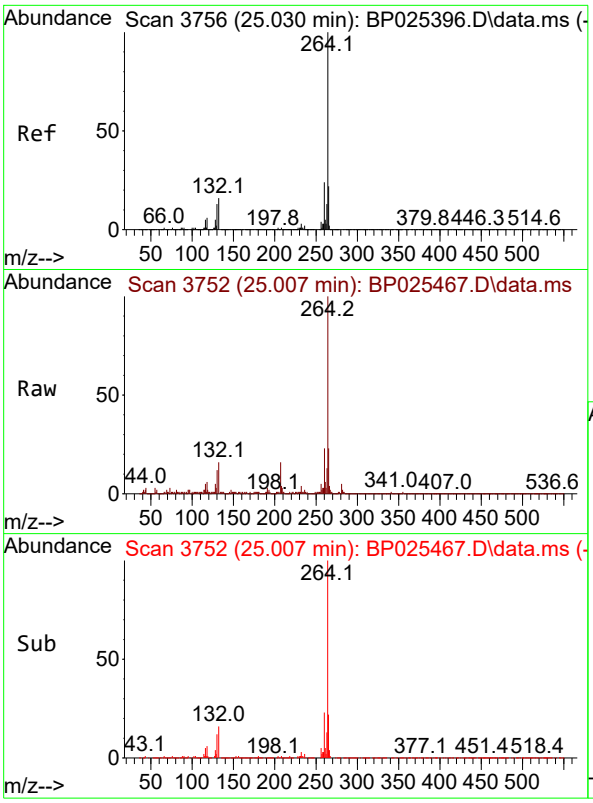


#83
Chrysene
Concen: 18.532 ng m
RT: 21.677 min Scan# 3186
Delta R.T. -0.018 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:228 Resp: 1010978

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.2	34.8
229	21.1	15.6	23.4

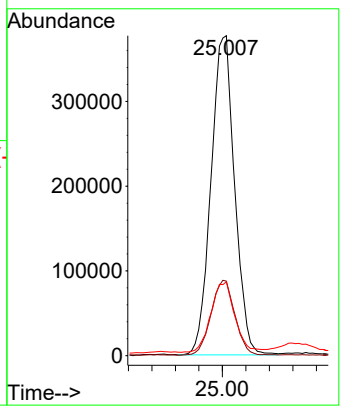




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.007 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:264 Resp: 105167

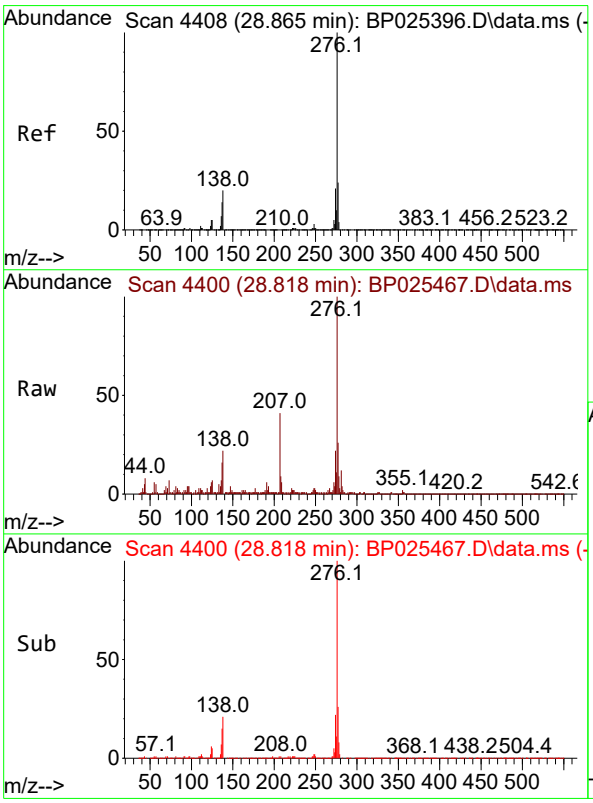
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.3	28.9
265	23.1	17.4	26.0



Instrument :
BNA_P
ClientSampleId :
TG-S03

Manual Integrations APPROVED

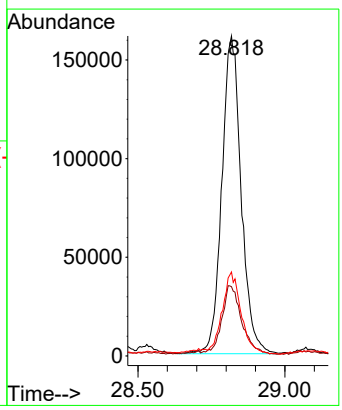
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

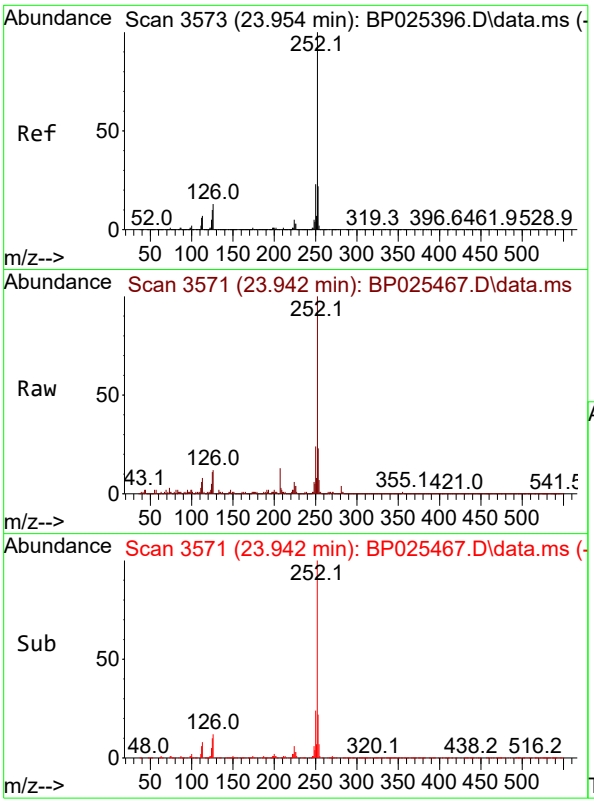


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.564 ng
RT: 28.818 min Scan# 4400
Delta R.T. -0.047 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:276 Resp: 737621

Ion	Ratio	Lower	Upper
276	100		
138	22.1	12.9	19.3#
277	25.4	17.0	25.6

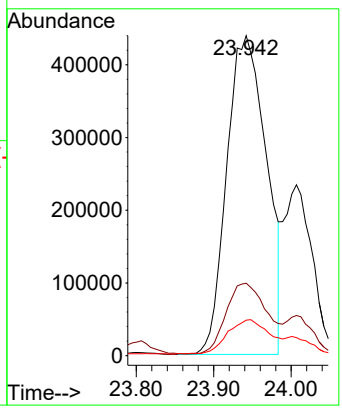




#88
Benzo(b)fluoranthene
Concen: 25.175 ng
RT: 23.942 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:252 Resp: 156123

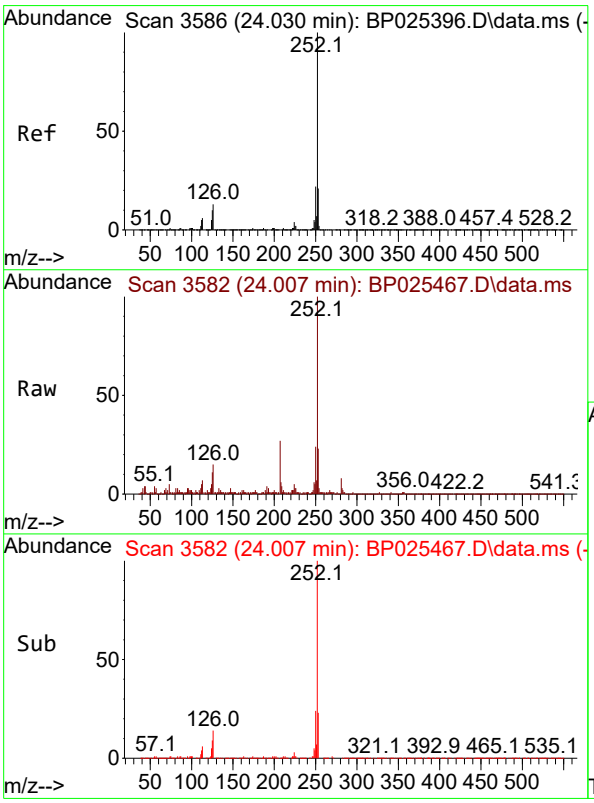
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	11.1	7.9	11.9



Instrument :
BNA_P
ClientSampleId :
TG-S03

Manual Integrations
APPROVED

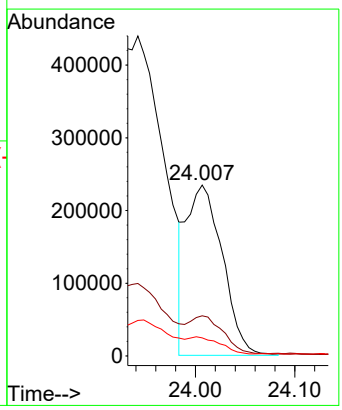
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

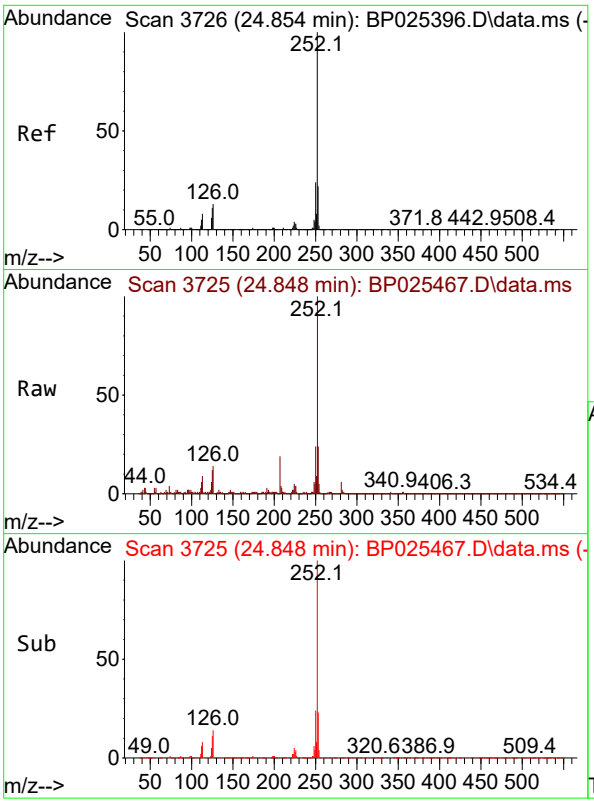


#89
Benzo(k)fluoranthene
Concen: 9.526 ng m
RT: 24.007 min Scan# 3582
Delta R.T. -0.023 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:252 Resp: 591143

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	10.6	7.8	11.6

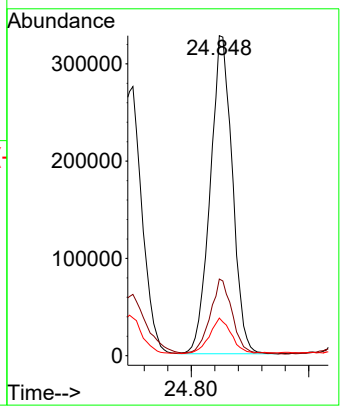




#90
Benzo(a)pyrene
Concen: 14.133 ng
RT: 24.848 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:252 Resp: 85315

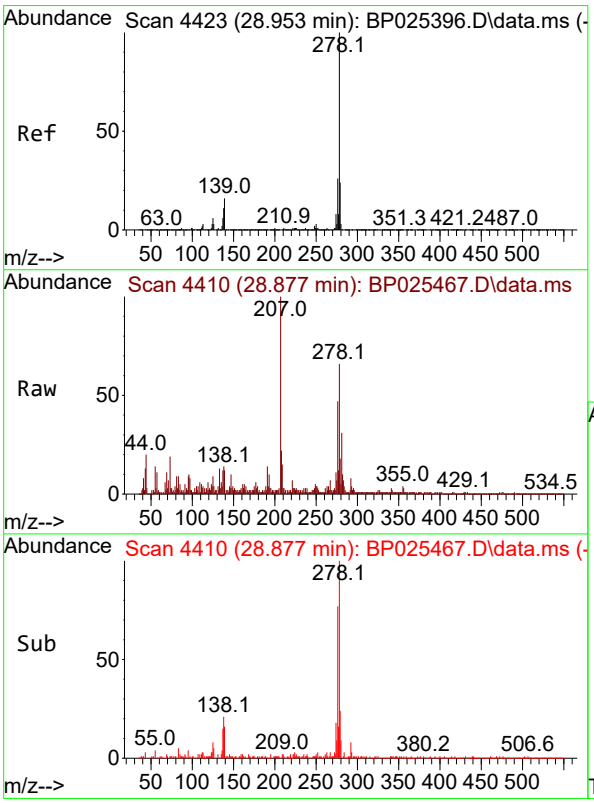
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	11.8	8.7	13.1



Instrument :
BNA_P
ClientSampleId :
TG-S03

Manual Integrations
APPROVED

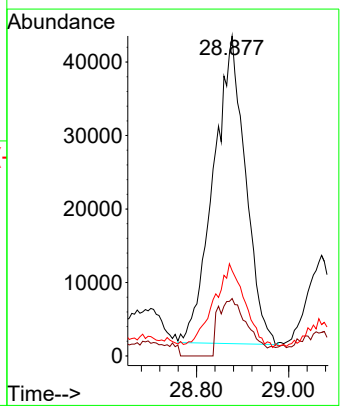
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

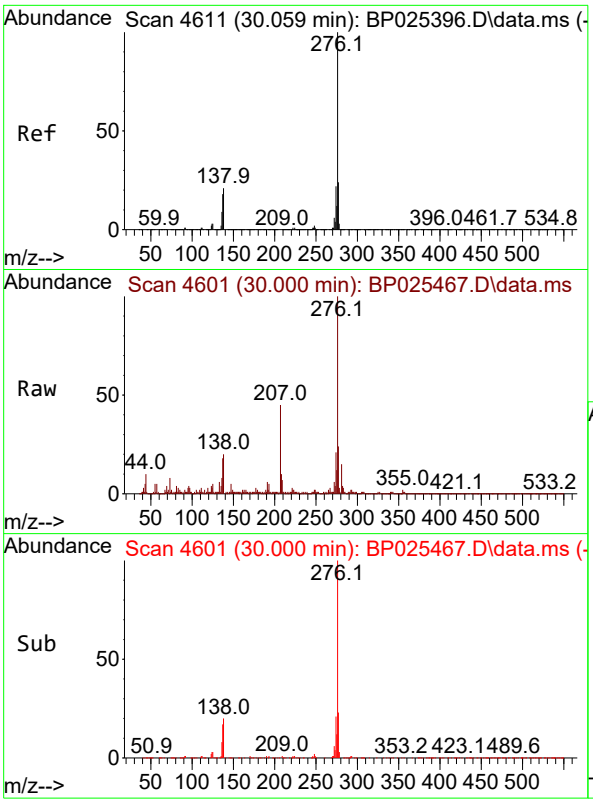


#91
Dibenzo(a,h)anthracene
Concen: 3.201 ng
RT: 28.877 min Scan# 4410
Delta R.T. -0.076 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:278 Resp: 201725

Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.0	19.4
279	26.7	19.4	29.2

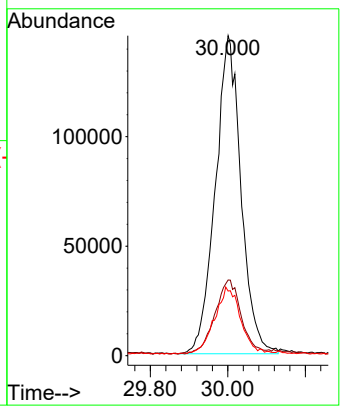




#92
Benzo(g,h,i)perylene
Concen: 10.778 ng
RT: 30.000 min Scan# 4
Delta R.T. -0.059 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:276 Resp: 66774

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.0
138	20.2	16.7	25.1



Instrument :
BNA_P
ClientSampleId :
TG-S03

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

Sample Results: **BP025467.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025467.D
Acq On : 18 Aug 2025 18:58
Operator : CG/JU
Sample : Q2832-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S03

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

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

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

Signal : TIC: BP025467.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.043	13	18	27	rVB	212308	290483	5.45%	0.633%
2	4.949	337	342	348	rBV	45587	61991	1.16%	0.135%
3	5.408	413	420	427	rBV	465460	689659	12.93%	1.503%
4	6.961	675	684	694	rBV	426110	754437	14.14%	1.644%
5	7.790	817	825	834	rBV	630206	975215	18.28%	2.125%
6	8.931	1008	1019	1029	rBV	304146	512896	9.62%	1.117%
7	10.560	1287	1296	1303	rBV	693278	1355245	25.41%	2.953%
8	12.219	1572	1578	1591	rBV3	27066	56324	1.06%	0.123%
9	13.019	1706	1714	1727	rBV	745095	1233279	23.12%	2.687%
10	14.131	1897	1903	1915	rBV	184975	317113	5.95%	0.691%
11	14.407	1941	1950	1957	rBV	1097816	1819317	34.11%	3.964%
12	14.472	1957	1961	1969	rVB	87411	142017	2.66%	0.309%
13	14.813	2013	2019	2026	rBV	52752	82312	1.54%	0.179%
14	15.472	2125	2131	2136	rBV2	81752	128382	2.41%	0.280%
15	15.789	2177	2185	2193	rVB2	120458	234709	4.40%	0.511%
16	15.919	2200	2207	2214	rBV	654170	946630	17.75%	2.062%
17	16.160	2242	2248	2251	rBV3	50537	89241	1.67%	0.194%
18	16.854	2362	2366	2373	rVB4	40183	63588	1.19%	0.139%
19	16.925	2374	2378	2382	rBV3	29422	56190	1.05%	0.122%
20	17.007	2389	2392	2402	rVB	39118	81800	1.53%	0.178%
21	17.207	2420	2426	2429	rBV	1609888	2136330	40.05%	4.654%
22	17.242	2429	2432	2438	rVV	755969	1032035	19.35%	2.249%
23	17.331	2442	2447	2454	rVV	439613	722487	13.55%	1.574%
24	17.395	2454	2458	2465	rVB5	38615	76071	1.43%	0.166%
25	17.613	2491	2495	2499	rVB	63273	84277	1.58%	0.184%
26	17.731	2512	2515	2522	rVB4	47201	65823	1.23%	0.143%
27	18.107	2574	2579	2581	rBV	95228	142059	2.66%	0.310%
28	18.148	2581	2586	2593	rVB2	176250	335665	6.29%	0.731%
29	18.236	2597	2601	2606	rVB	85399	121158	2.27%	0.264%
30	18.301	2607	2612	2617	rBV3	198147	372177	6.98%	0.811%
31	18.619	2662	2666	2669	rVV	137085	187957	3.52%	0.410%
32	18.654	2669	2672	2677	rVB3	83374	114840	2.15%	0.250%
33	18.930	2716	2719	2722	rBV	54575	85598	1.60%	0.186%
34	19.048	2734	2739	2745	rBV2	102303	182764	3.43%	0.398%
35	19.113	2746	2750	2753	rBV5	61042	96535	1.81%	0.210%
36	19.195	2760	2764	2770	rBV2	115756	186237	3.49%	0.406%

Sample Results: **BP025467.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025467.D
Acq On : 18 Aug 2025 18:58
Operator : CG/JU
Sample : Q2832-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S03

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

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

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

37	19.330	2781	2787	2792	rBV	2393502	3457657	64.83%	7.533%
38	19.401	2796	2799	2806	rBV3	61688	145629	2.73%	0.317%
39	19.666	2839	2844	2846	rBV	390002	623902	11.70%	1.359%
40	19.701	2846	2850	2858	rVB	2580668	3348760	62.79%	7.296%
41	19.913	2879	2886	2891	rBV2	1253109	2090248	39.19%	4.554%
42	20.036	2902	2907	2908	rBV3	250726	328526	6.16%	0.716%
43	20.177	2928	2931	2932	rBV2	128070	136026	2.55%	0.296%
44	20.319	2951	2955	2959	rBV2	174407	244248	4.58%	0.532%
45	20.377	2960	2965	2970	rBV2	362250	619099	11.61%	1.349%
46	21.001	3067	3071	3081	rVB	363120	618018	11.59%	1.346%
47	21.236	3109	3111	3115	rVB	259585	308714	5.79%	0.673%
48	21.295	3117	3121	3127	rVV4	220945	471828	8.85%	1.028%
49	21.630	3170	3178	3183	rBV2	2123825	5333674	100.00%	11.621%
50	21.677	3183	3186	3196	rVB	1187572	1837513	34.45%	4.003%
51	23.942	3562	3571	3579	rBV2	1075706	4034484	75.64%	8.790%
52	24.695	3694	3699	3711	rVB	690890	1949106	36.54%	4.247%
53	24.848	3718	3725	3736	rBV	814463	2187789	41.02%	4.767%
54	25.001	3744	3751	3758	rBV2	918606	2330587	43.70%	5.078%

Sum of corrected areas: 45898649

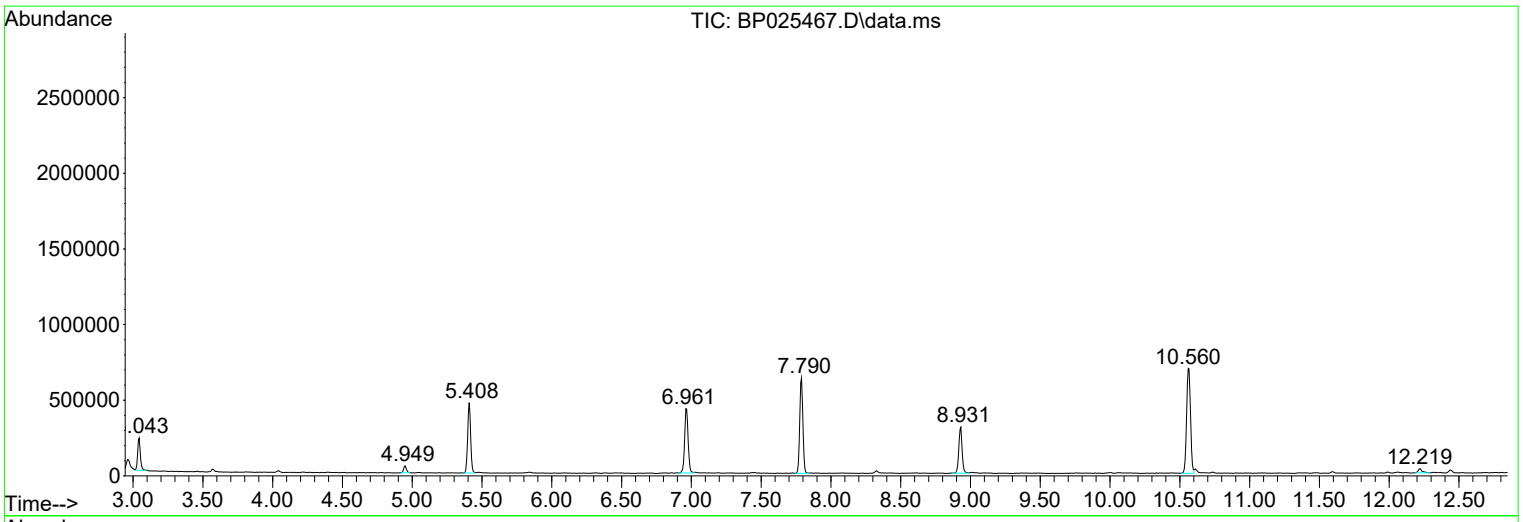
Sample Results: **BP025467.D**

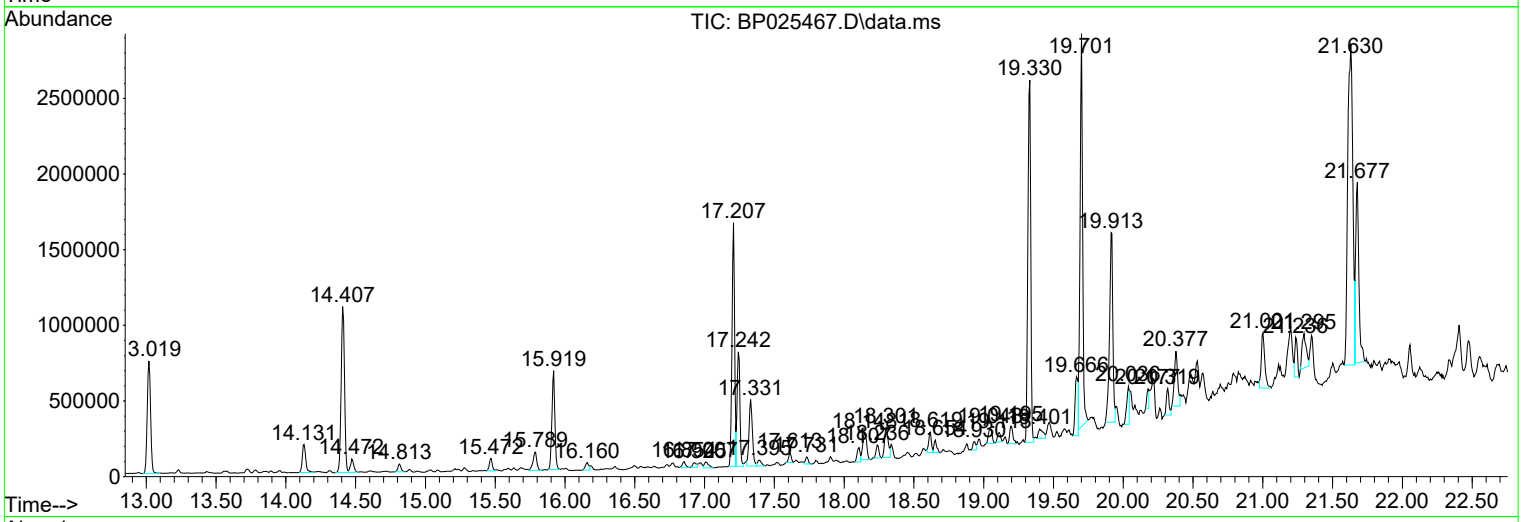
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025467.D
Acq On : 18 Aug 2025 18:58
Operator : CG/JU
Sample : Q2832-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

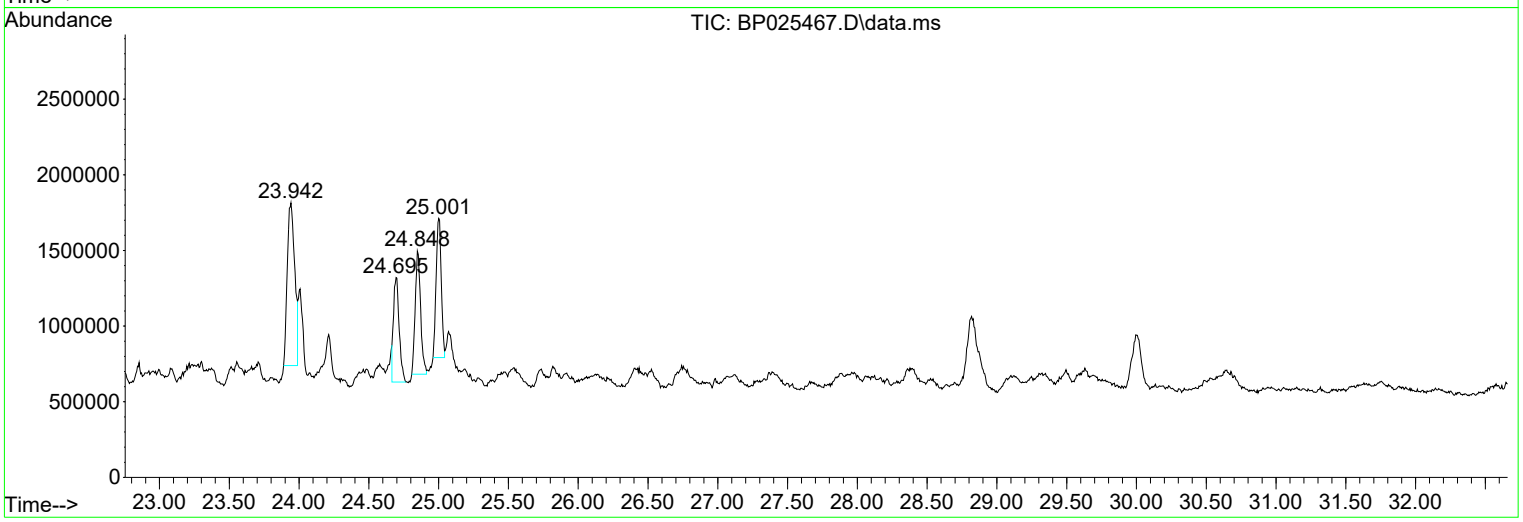
Instrument :
BNA_P
ClientSampleId :
TG-S03

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025467.D
Acq On : 18 Aug 2025 18:58
Operator : CG/JU
Sample : Q2832-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S03

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

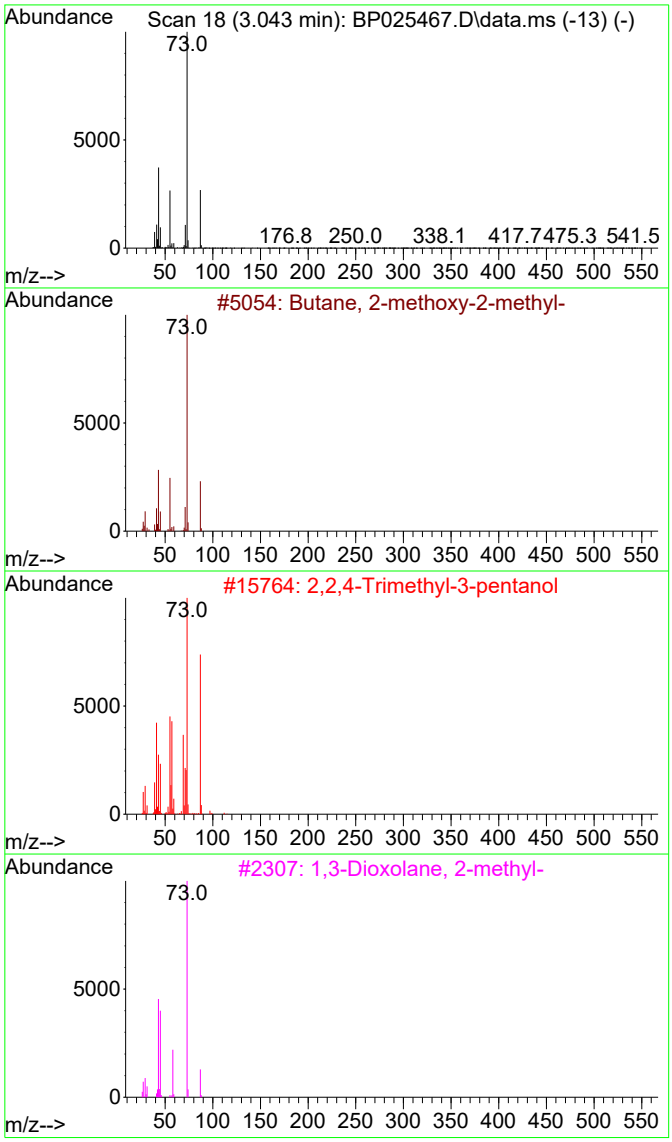
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

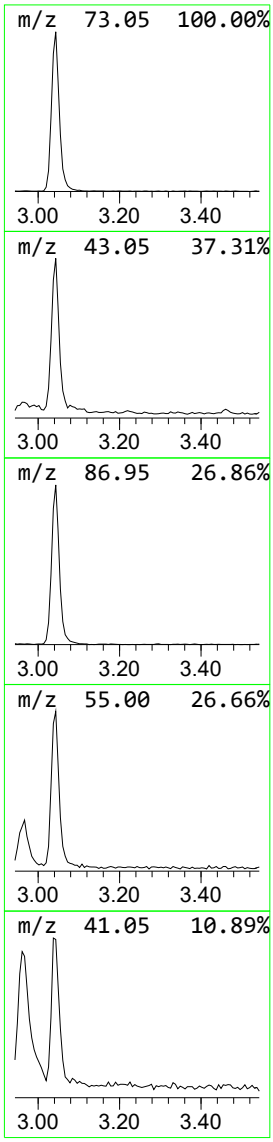
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	5.96 ng	290483	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025467.D
Acq On : 18 Aug 2025 18:58
Operator : CG/JU
Sample : Q2832-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S03

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

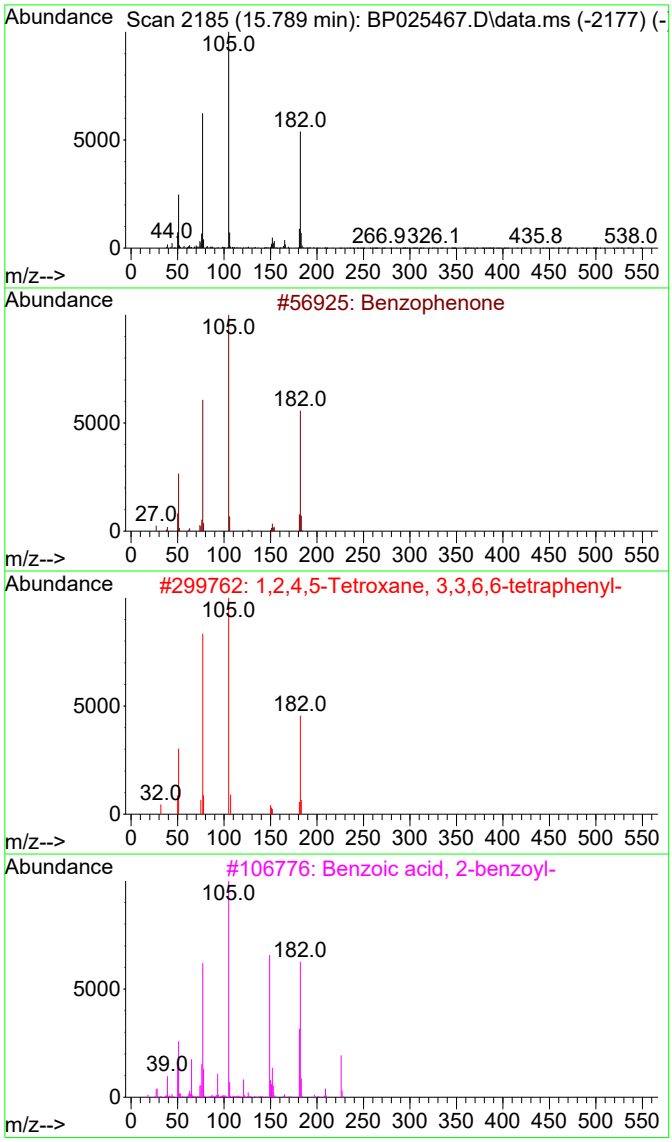
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

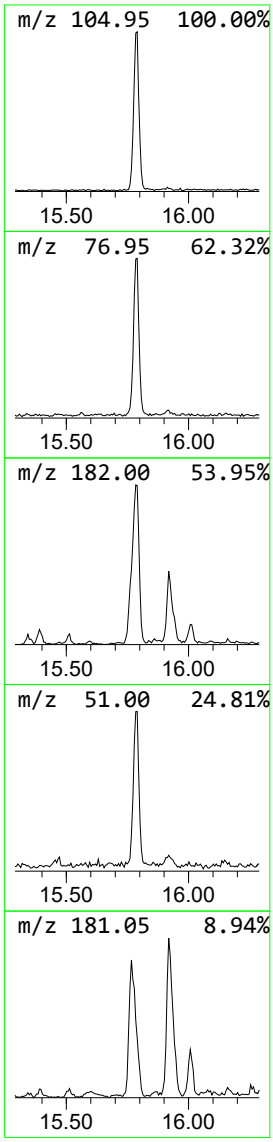
****

Peak Number 2 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.790	2.58 ng	234709	Acenaphthene-d10	14.407

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Benzoic acid, 2-benzoyl-	226	C14H10O3	000085-52-9	56
4	Isovanillic acid, O-methoxycarbo...	226	C10H10O6	1000487-72-5	43
5	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025467.D
Acq On : 18 Aug 2025 18:58
Operator : CG/JU
Sample : Q2832-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S03

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

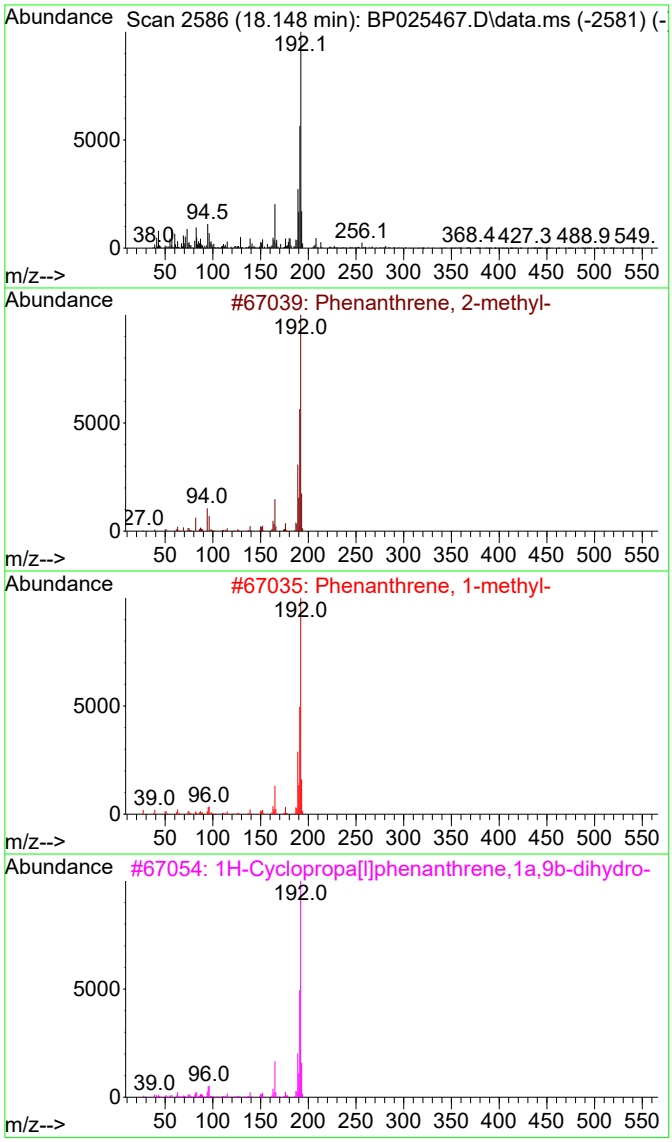
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

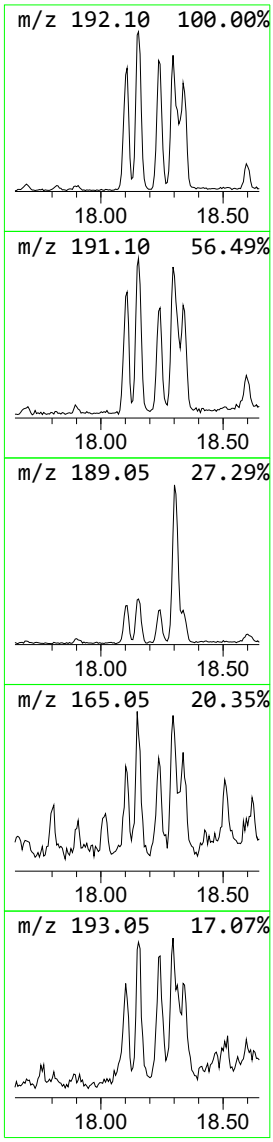
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.148	3.14 ng	335665	Phenanthrene-d10	17.207

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025467.D
Acq On : 18 Aug 2025 18:58
Operator : CG/JU
Sample : Q2832-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S03

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

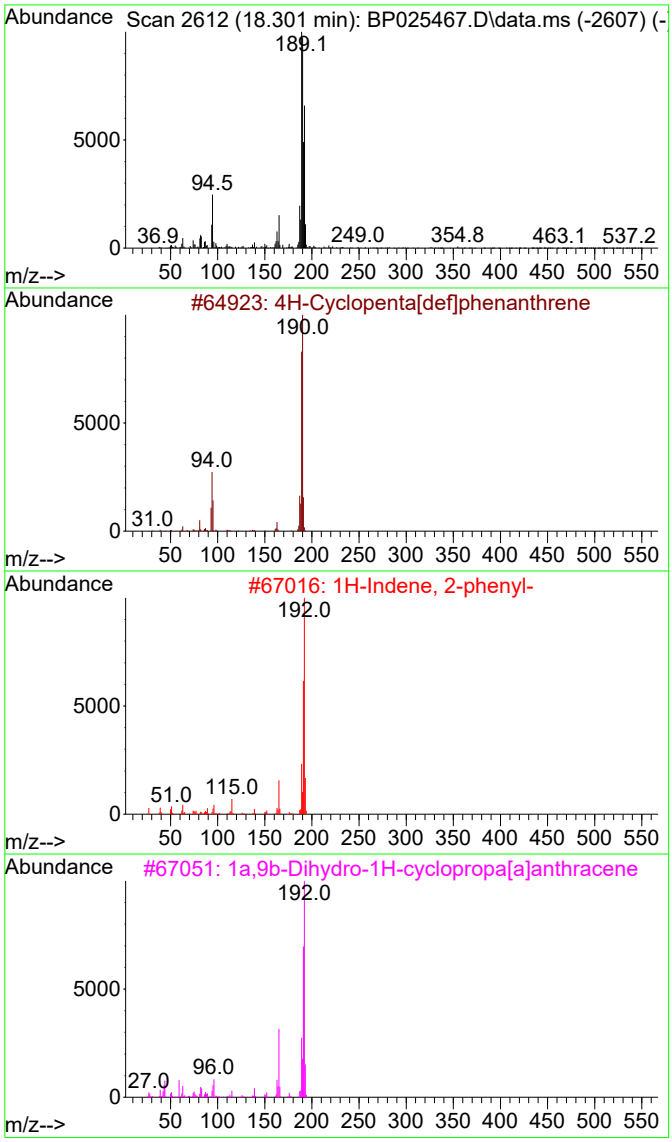
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

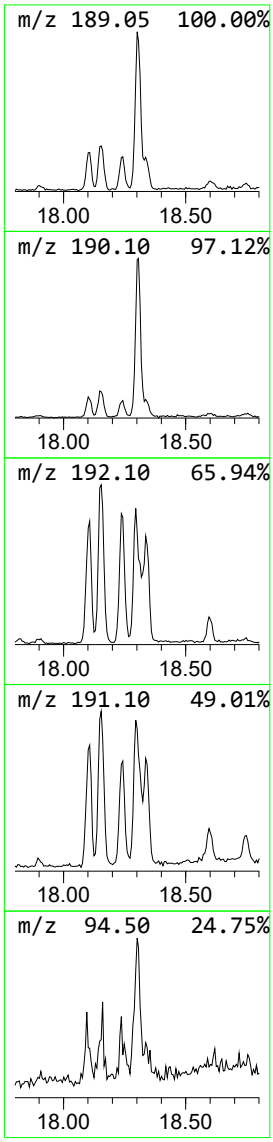
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.301	3.48 ng	372177	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	35
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025467.D
Acq On : 18 Aug 2025 18:58
Operator : CG/JU
Sample : Q2832-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S03

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

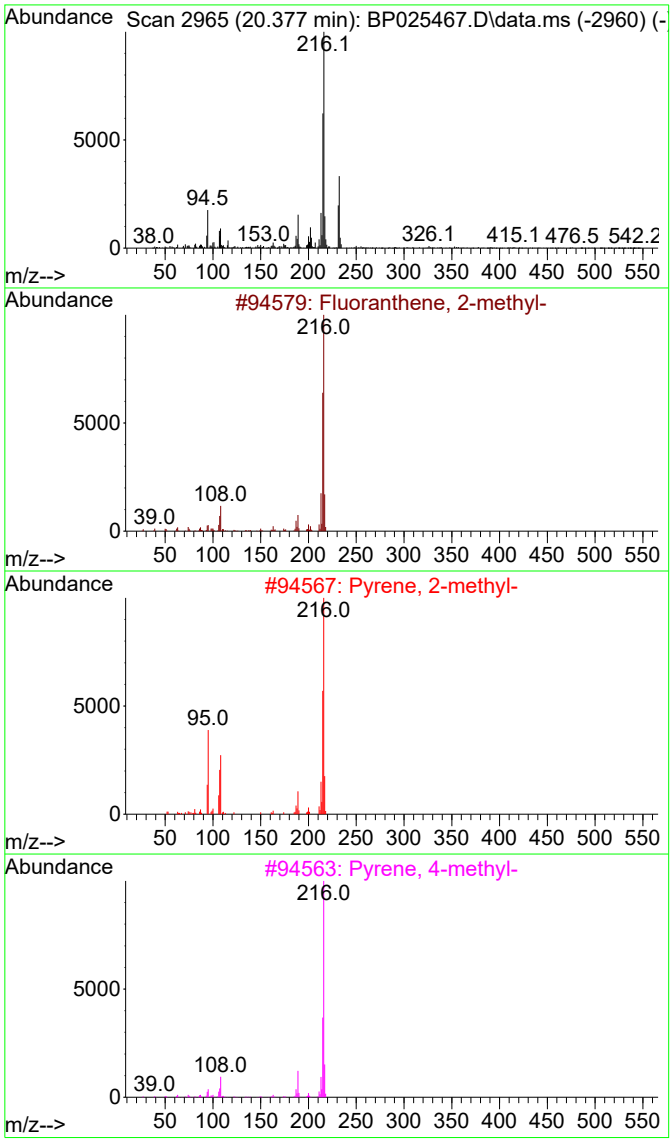
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

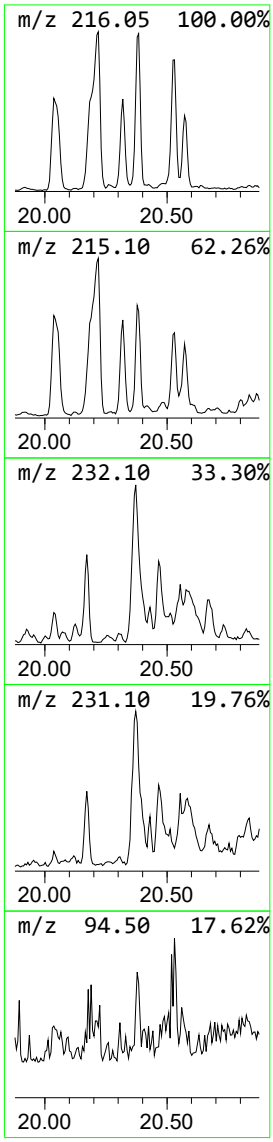
****

Peak Number 5 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.378	2.32 ng	619099	Chrysene-d12	21.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	62
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025467.D
Acq On : 18 Aug 2025 18:58
Operator : CG/JU
Sample : Q2832-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S03

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

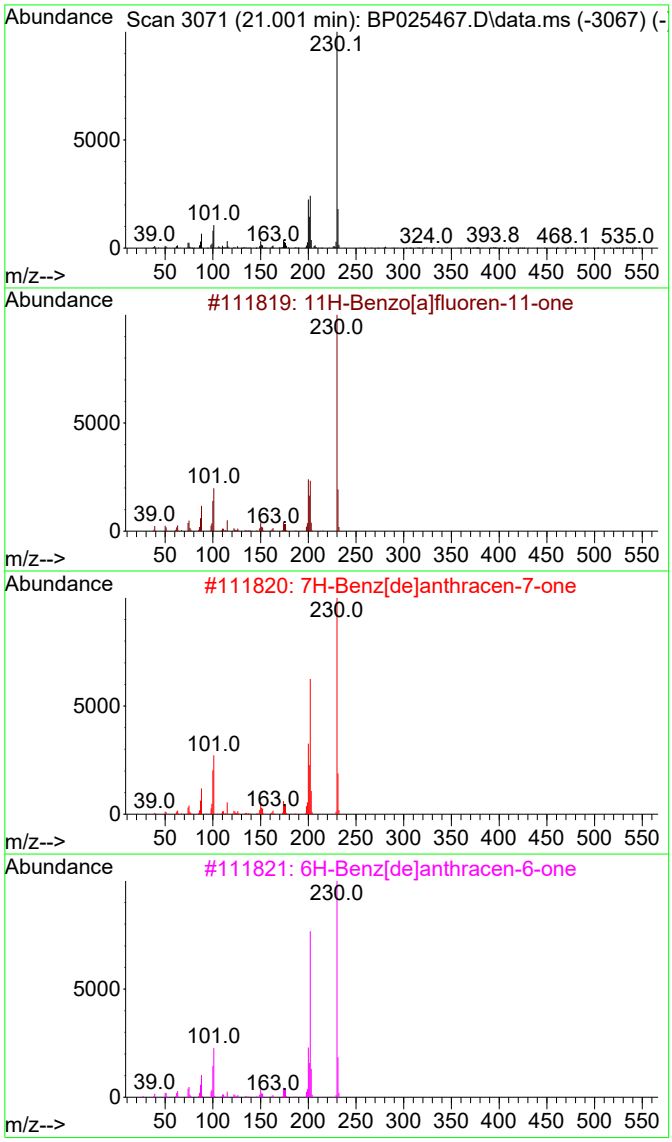
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

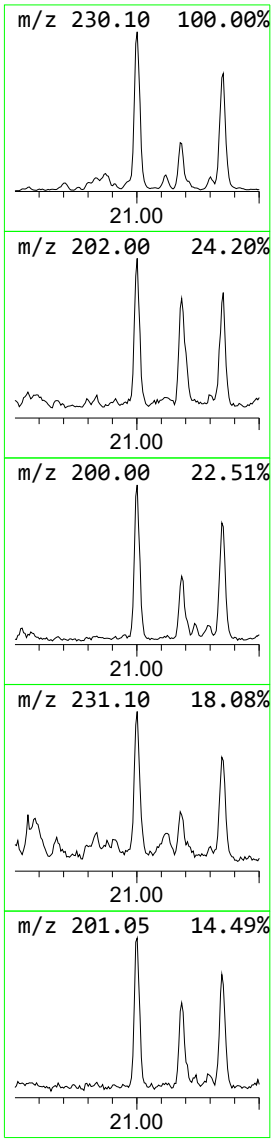
****

Peak Number 6 11H-Benzo[a]fluoren-11-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.001	2.32 ng	618018	Chrysene-d12	21.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	83
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
5	o-Terphenyl	230	C18H14	000084-15-1	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025467.D
Acq On : 18 Aug 2025 18:58
Operator : CG/JU
Sample : Q2832-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S03

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

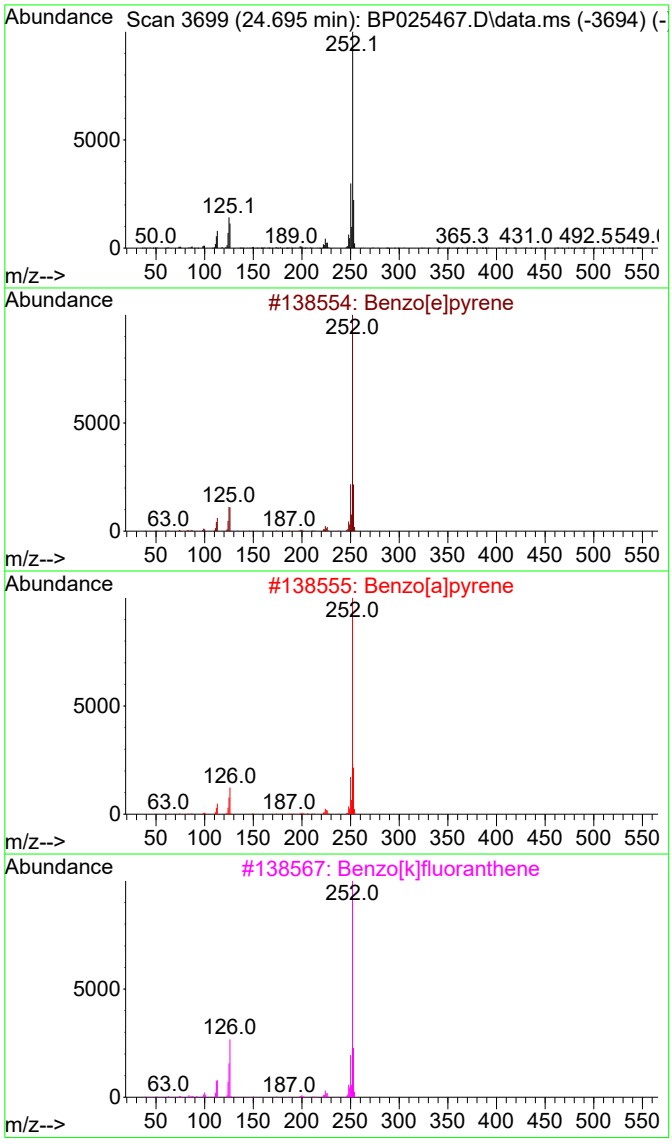
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

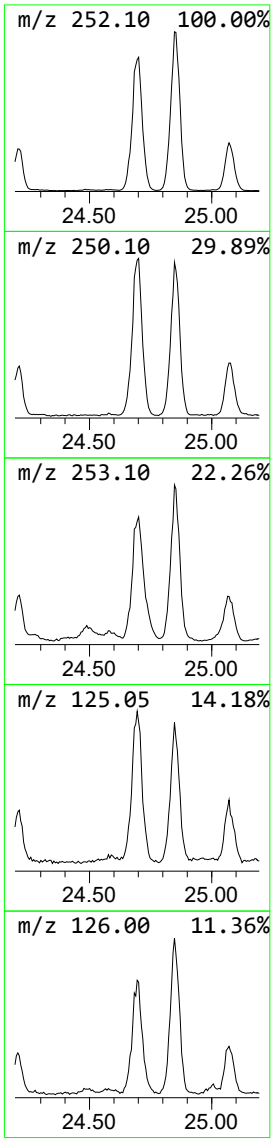
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.695	16.73 ng	1949110	Perylene-d12	25.007

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025467.D
Acq On : 18 Aug 2025 18:58
Operator : CG/JU
Sample : Q2832-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S03

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	6.0	ng	290483	1	7.790	975215	20.0
Benzophenone	15.790	2.6	ng	234709	3	14.407	1819320	20.0
Phenanthrene, 2...	18.148	3.1	ng	335665	4	17.207	2136330	20.0
4H-Cyclopenta[d...	18.301	3.5	ng	372177	4	17.207	2136330	20.0
Fluoranthene, 2...	20.378	2.3	ng	619099	5	21.636	5333670	20.0
11H-Benzo[a]flu...	21.001	2.3	ng	618018	5	21.636	5333670	20.0
Benzo[e]pyrene	24.695	16.7	ng	1949110	6	25.007	2330590	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025468.D
Acq On : 18 Aug 2025 19:39
Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

Quant Time: Aug 19 01:09:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	164690	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	657475	20.000	ng		0.00
39) Acenaphthene-d10	14.401	164	417913	20.000	ng		0.00
64) Phenanthrene-d10	17.195	188	832801	20.000	ng		0.00
76) Chrysene-d12	21.624	240	885684	20.000	ng		-0.02
86) Perylene-d12	24.995	264	1055308	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	189368	19.095	ng		0.00
7) Phenol-d6	6.966	99	244099	19.199	ng		0.00
23) Nitrobenzene-d5	8.925	82	157759	12.138	ng		-0.01
42) 2,4,6-Tribromophenol	15.907	330	105717	18.794	ng		0.00
45) 2-Fluorobiphenyl	13.013	172	389890	12.750	ng		0.00
79) Terphenyl-d14	19.919	244	625886	12.929	ng		0.00
Target Compounds							Qvalue
49) Acenaphthylene	14.119	152	406656	10.401	ng		99
71) Phenanthrene	17.236	178	516366	11.287	ng		100
72) Anthracene	17.331	178	627288	13.427	ng		100
73) Carbazole	17.607	167	145506	3.307	ng		99
75) Fluoranthene	19.319	202	2533157	46.420	ng		99
78) Pyrene	19.695	202	2459371	42.722	ng		100
81) Benzo(a)anthracene	21.607	228	1711450	29.300	ng		96
83) Chrysene	21.677	228	1756967	32.119	ng		97
87) Indeno(1,2,3-cd)pyrene	28.836	276	1070327	13.830	ng	#	89
88) Benzo(b)fluoranthene	23.948	252	2596346	41.723	ng		99
89) Benzo(k)fluoranthene	24.007	252	974426m	15.648	ng		
90) Benzo(a)pyrene	24.848	252	1365210	22.538	ng		98
91) Dibenzo(a,h)anthracene	28.895	278	312826	4.946	ng		94
92) Benzo(g,h,i)perylene	30.000	276	944424	15.191	ng		99

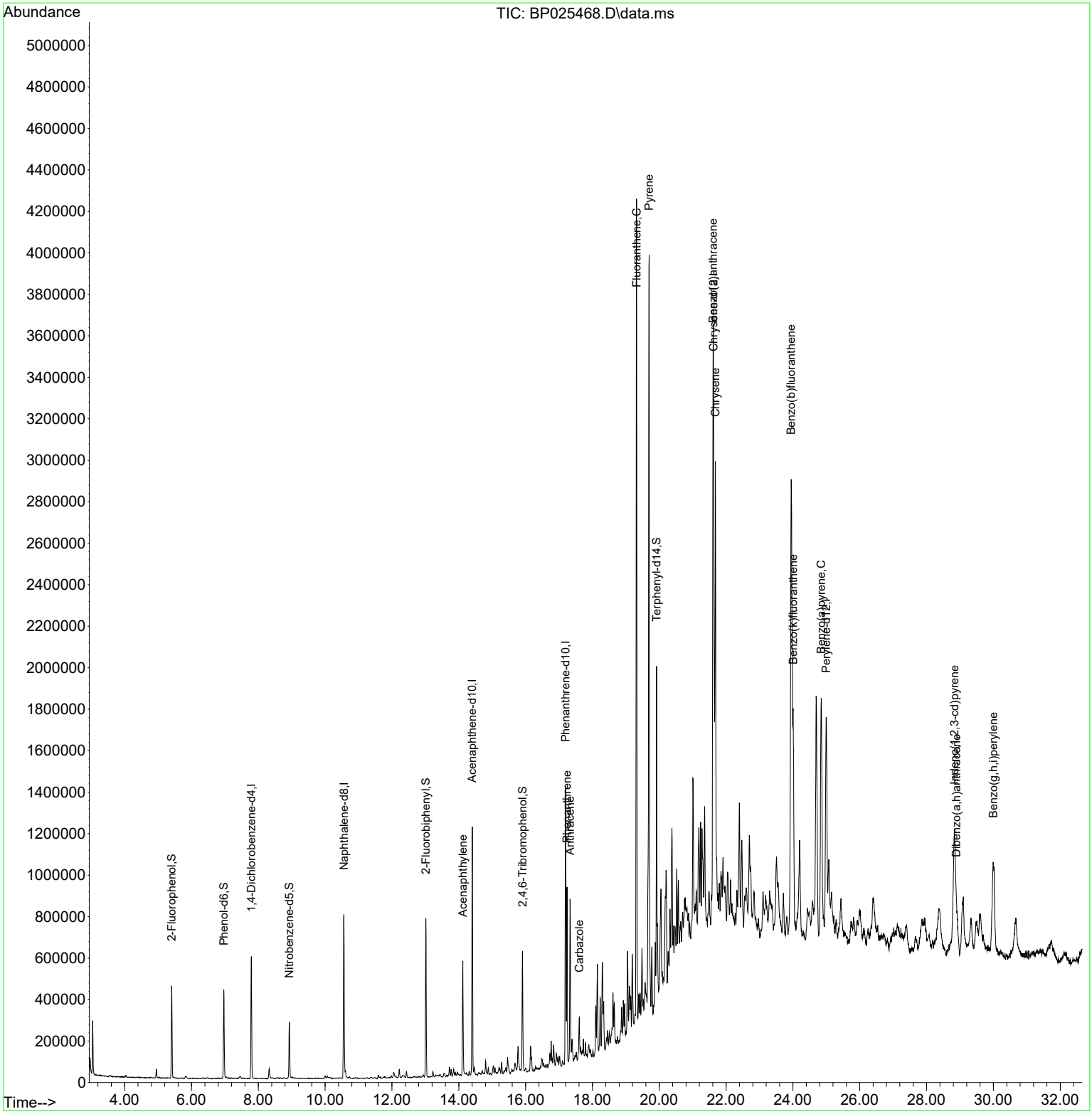
(#) = qualifier out of range (m) = manual integration (+) = signals summed

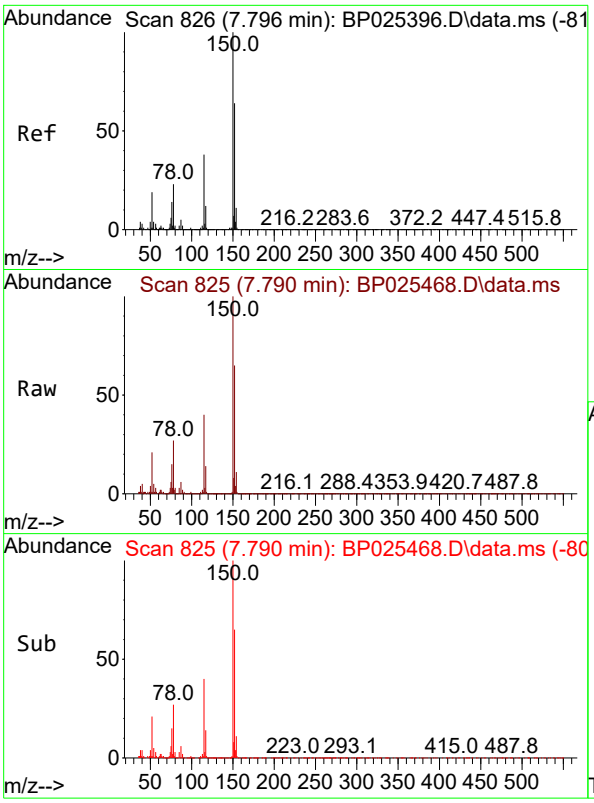
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025468.D
Acq On : 18 Aug 2025 19:39
Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 19 01:09:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
TG-S04

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

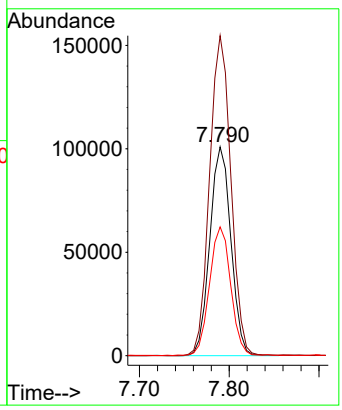




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:152 Resp: 16469

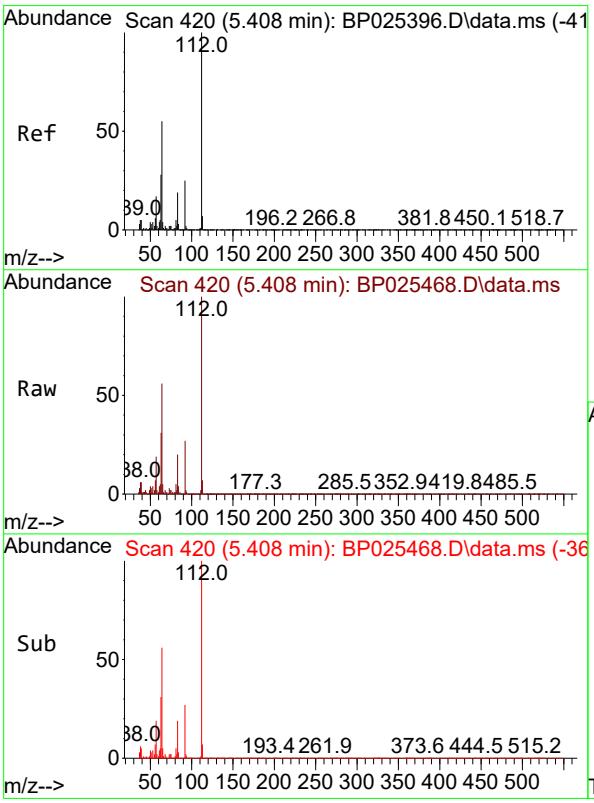
Ion	Ratio	Lower	Upper
152	100		
150	153.3	125.9	188.9
115	61.7	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
TG-S04

Manual Integrations APPROVED

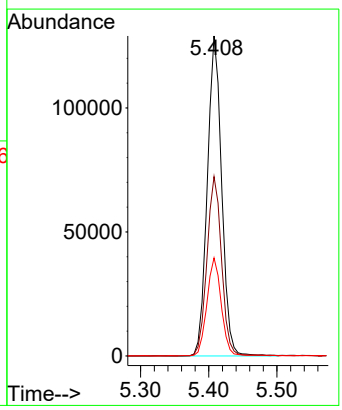
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

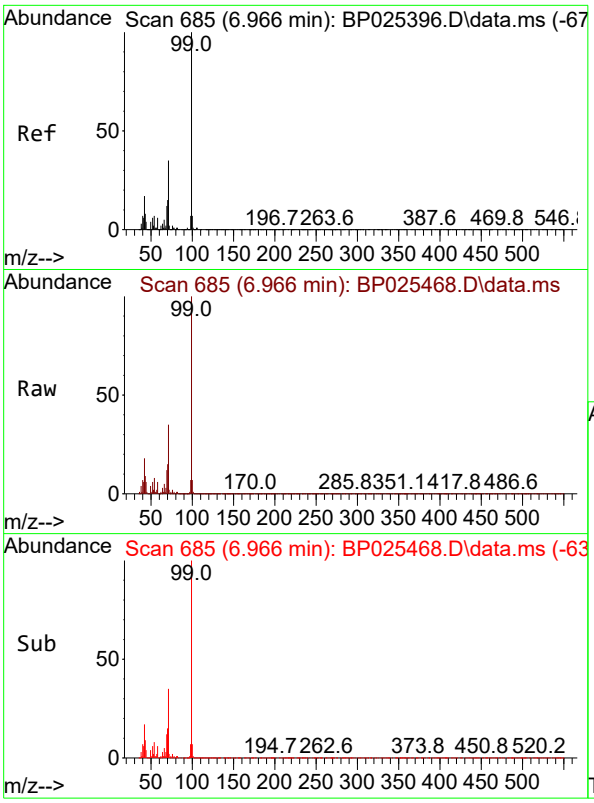


#5
2-Fluorophenol
Concen: 19.095 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:112 Resp: 189368

Ion	Ratio	Lower	Upper
112	100		
64	56.1	43.8	65.8
63	30.6	22.7	34.1

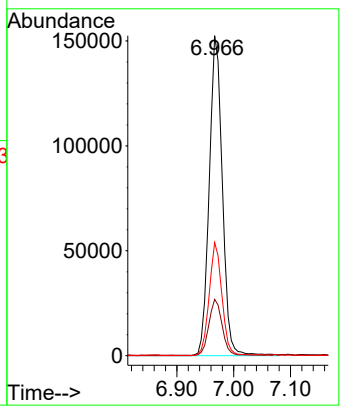




#7
Phenol-d6
Concen: 19.199 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion: 99 Resp: 24409

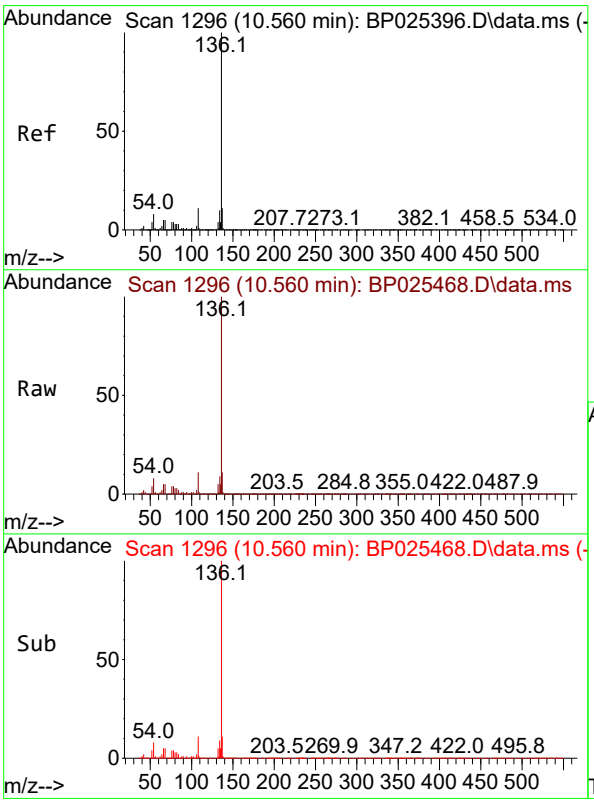
Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.7	20.5
71	35.3	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
TG-S04

Manual Integrations APPROVED

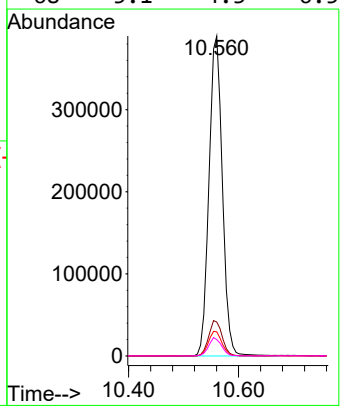
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

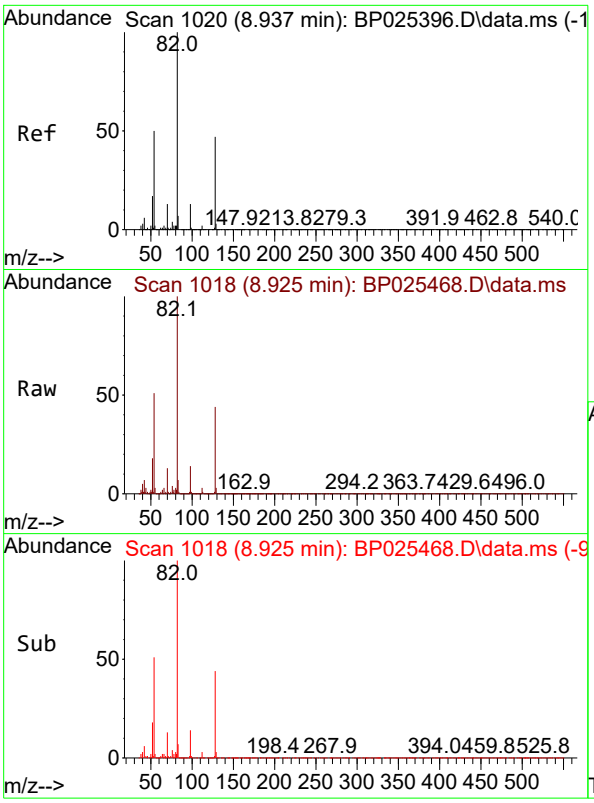


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:136 Resp: 657475

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.6	6.0	9.0
68	5.1	4.3	6.5

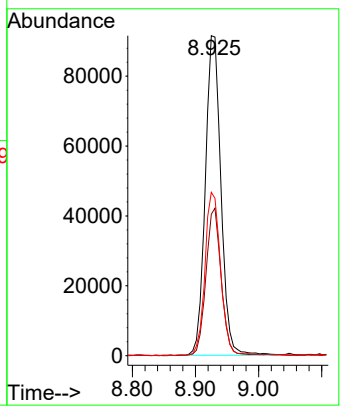




#23
Nitrobenzene-d5
Concen: 12.138 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion: 82 Resp: 15775

Ion	Ratio	Lower	Upper
82	100		
128	44.2	37.7	56.5
54	51.1	39.8	59.6



Instrument :
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ClientSampleId :
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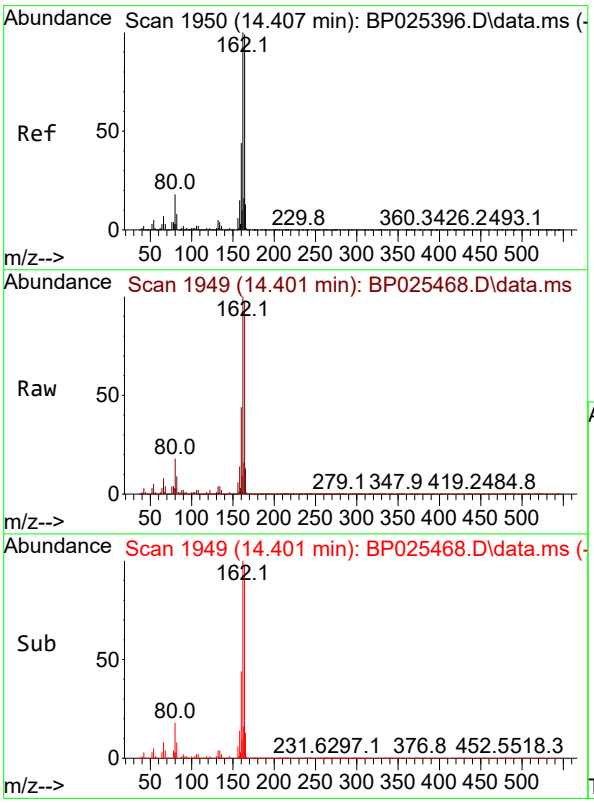
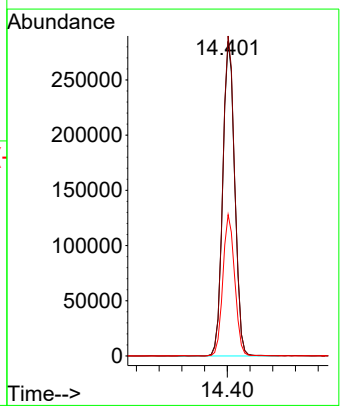
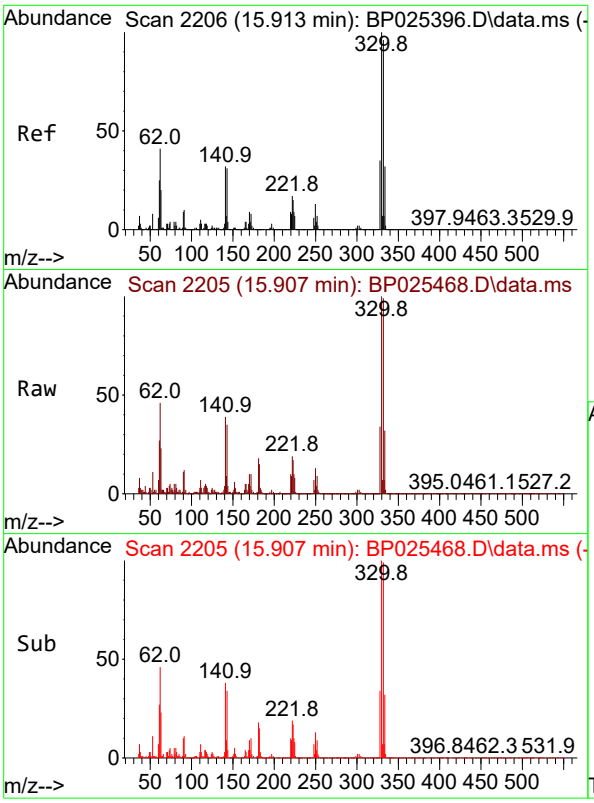


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:164 Resp: 417913

Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.0	121.6
160	44.9	35.4	53.2

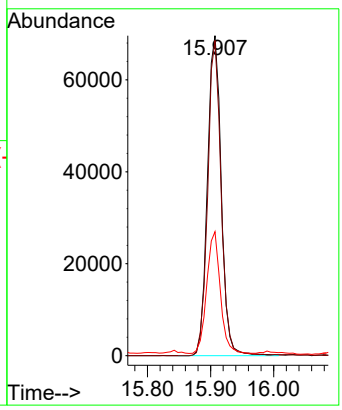




#42
2,4,6-Tribromophenol
Concen: 18.794 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:330 Resp: 10571

Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.3	115.9
141	37.9	26.6	39.8



Instrument :
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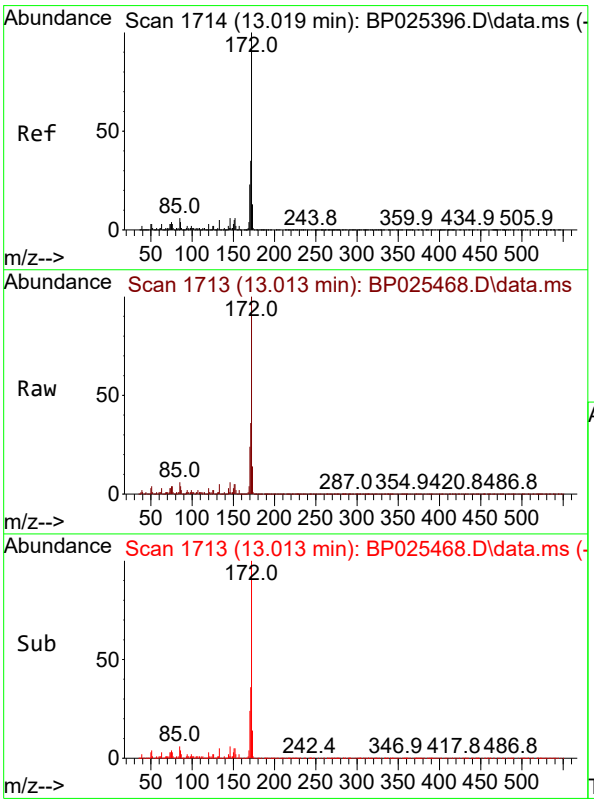
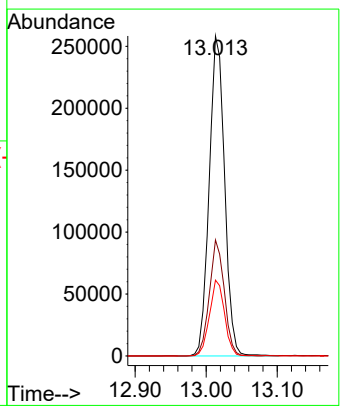
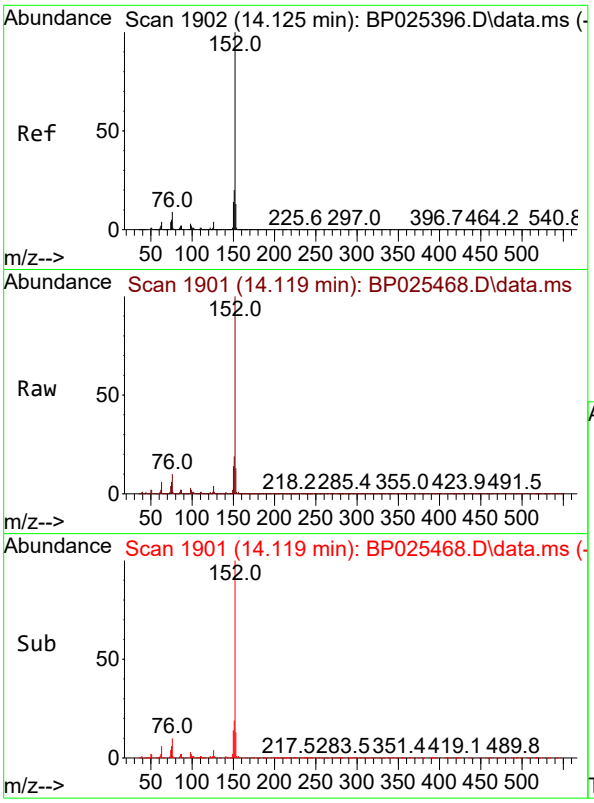


#45
2-Fluorobiphenyl
Concen: 12.750 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:172 Resp: 389890

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.1	42.1
170	23.7	18.6	28.0

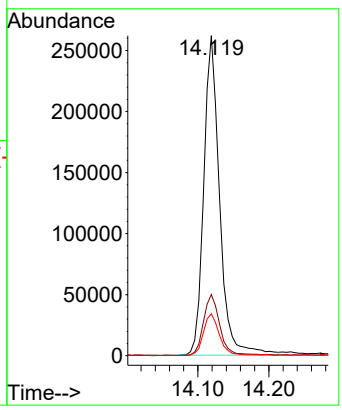




#49
Acenaphthylene
Concen: 10.401 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:152 Resp: 40665

Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.0	24.0
153	13.1	10.6	15.8



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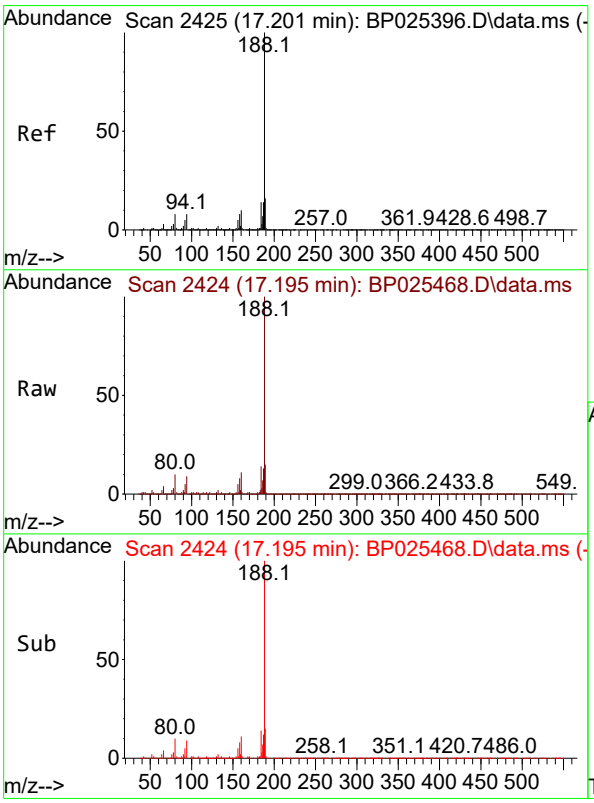
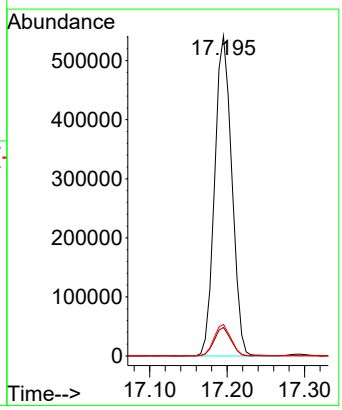
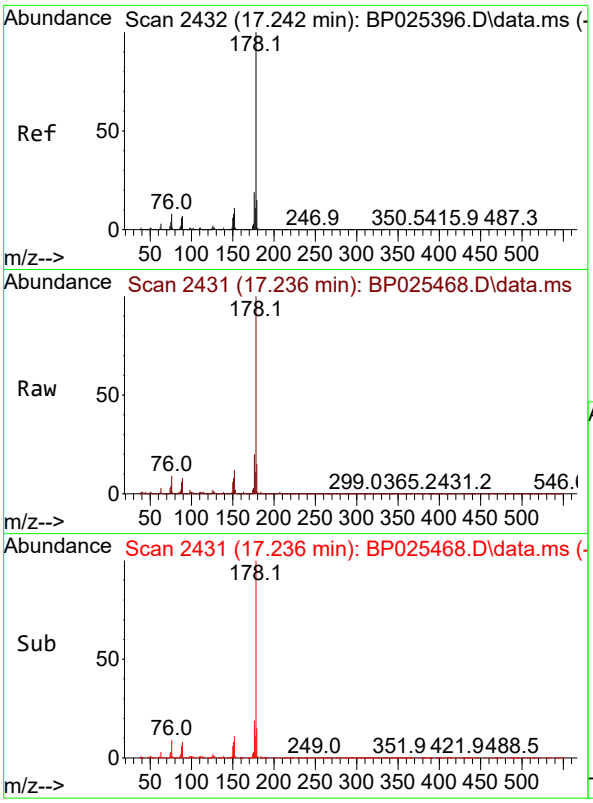


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:188 Resp: 832801

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.9	6.7	10.1

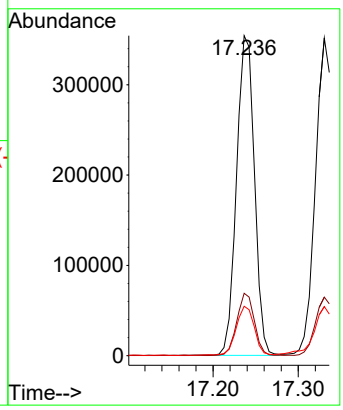




#71
Phenanthrene
Concen: 11.287 ng
RT: 17.236 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:178 Resp: 51636

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.5	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
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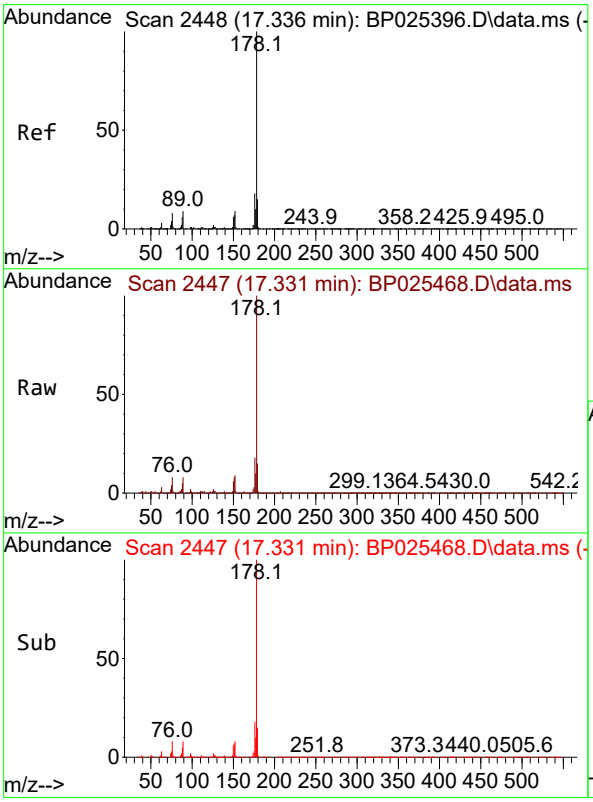
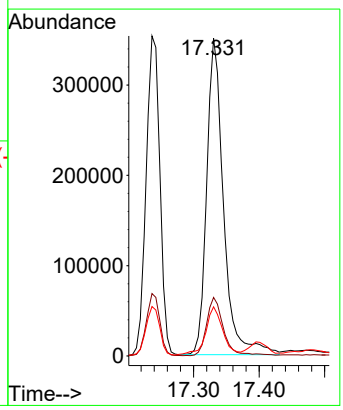
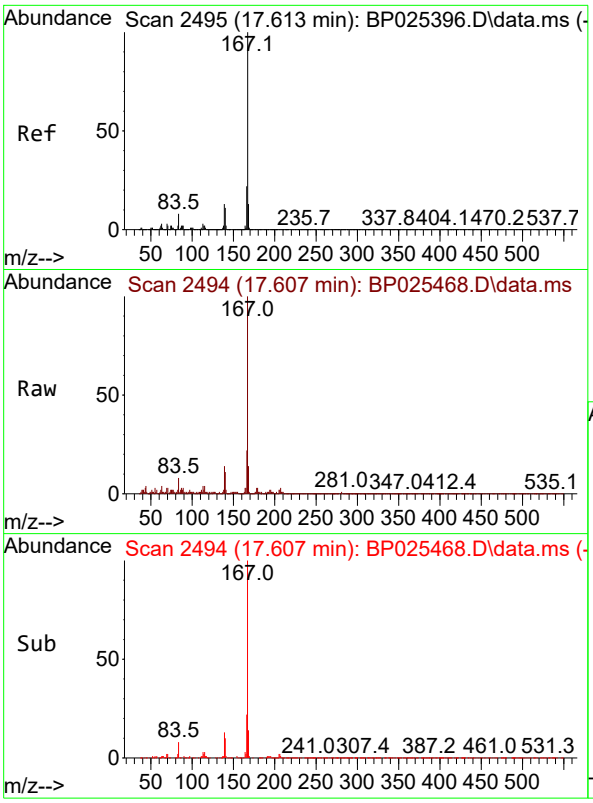


#72
Anthracene
Concen: 13.427 ng
RT: 17.331 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:178 Resp: 627288

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.4	12.2	18.2

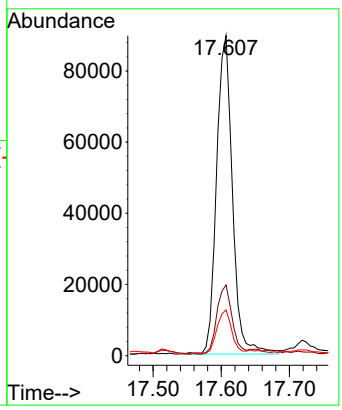




#73
Carbazole
Concen: 3.307 ng
RT: 17.607 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:167 Resp: 14550

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.5	26.3
139	14.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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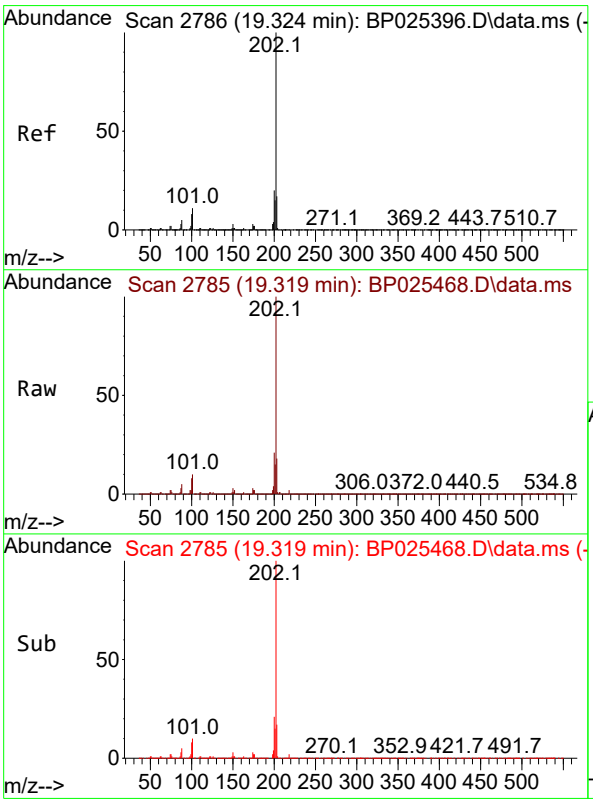
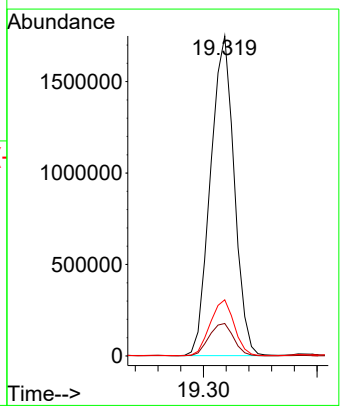
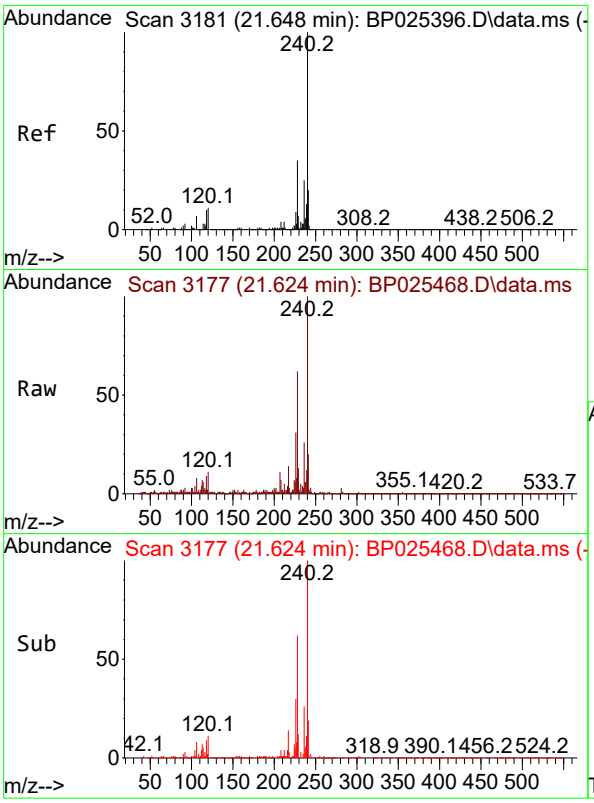


#75
Fluoranthene
Concen: 46.420 ng
RT: 19.319 min Scan# 2785
Delta R.T. -0.006 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:202 Resp: 2533157

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.1
203	17.5	0.0	37.3

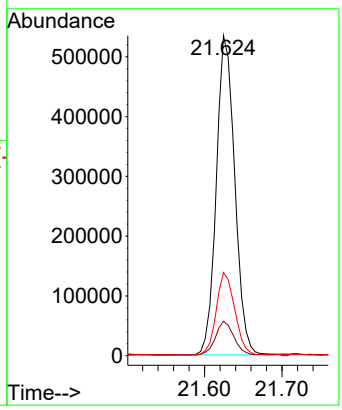




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.624 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:240 Resp: 88568

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.9	13.3
236	26.0	19.8	29.8



Instrument :
BNA_P
ClientSampleId :
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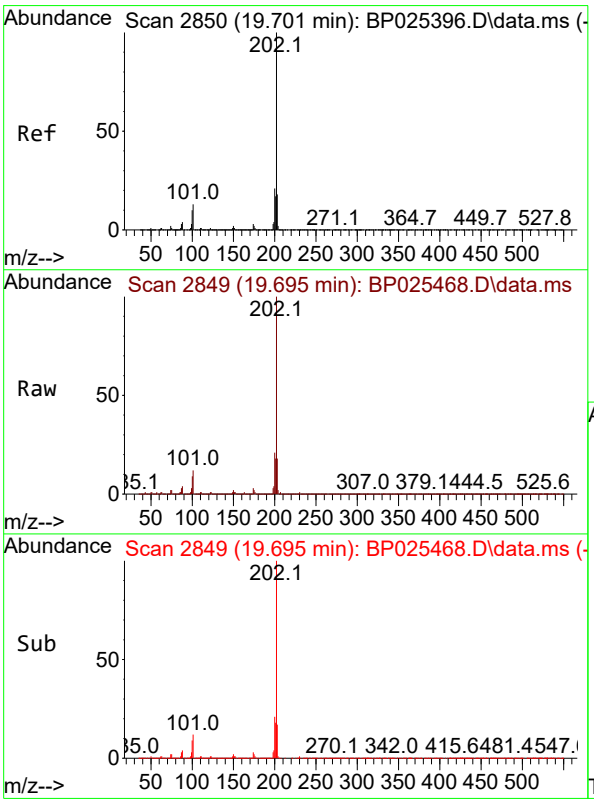
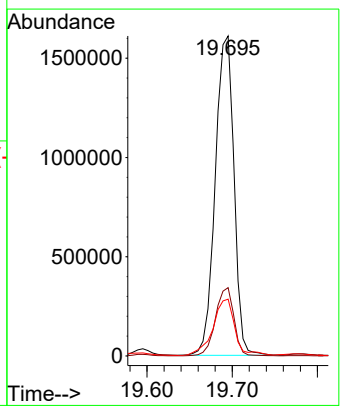
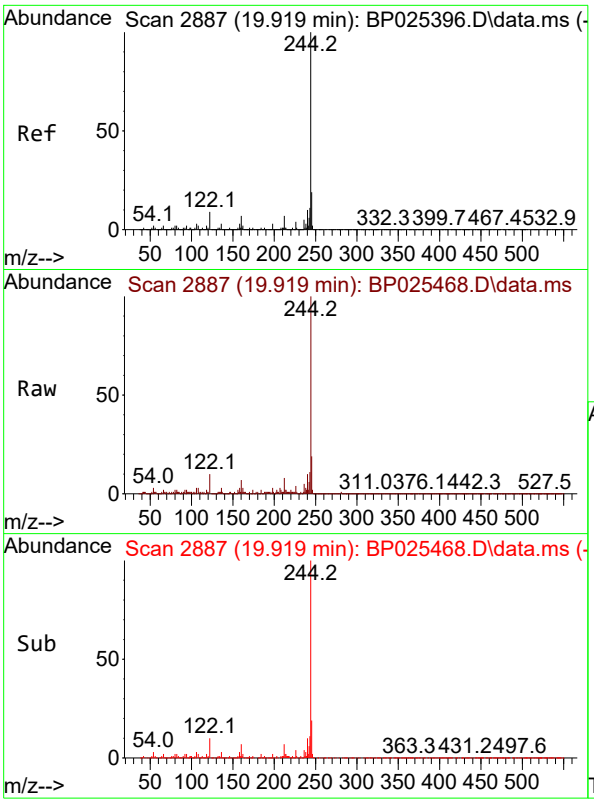


#78
Pyrene
Concen: 42.722 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:202 Resp: 2459371

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.7	14.2	21.2

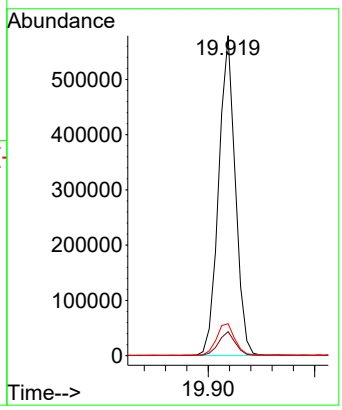




#79
Terphenyl-d14
Concen: 12.929 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:244 Resp: 62588

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	10.0	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
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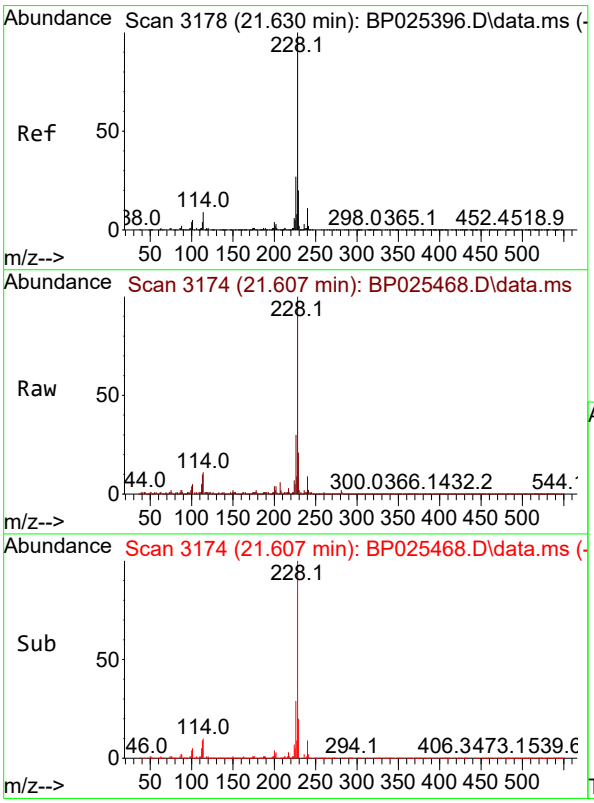
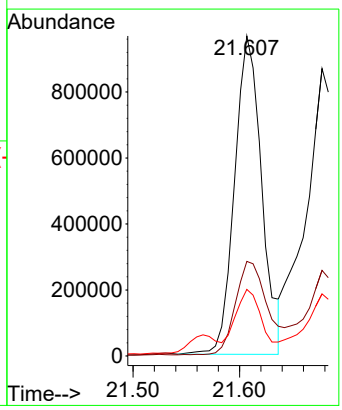
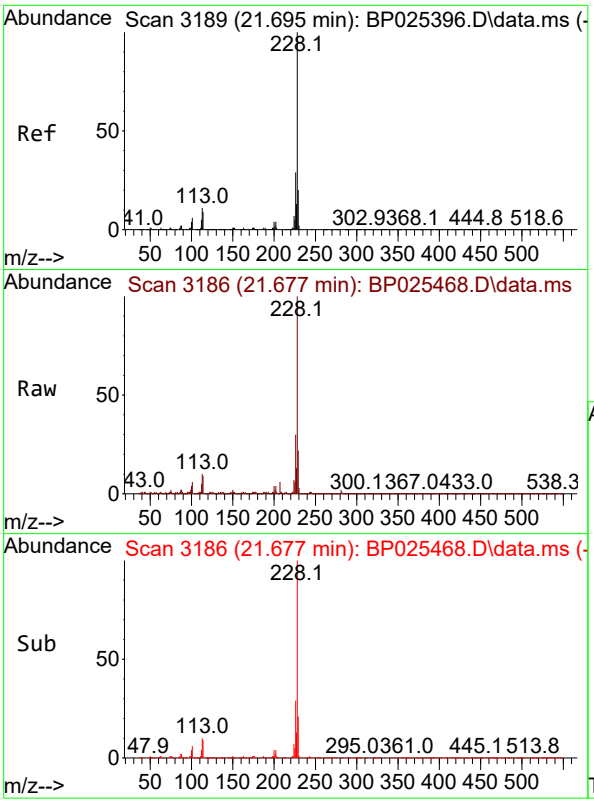


#81
Benzo(a)anthracene
Concen: 29.300 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.023 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:228 Resp: 1711450

Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.7	32.5
229	20.8	15.6	23.4

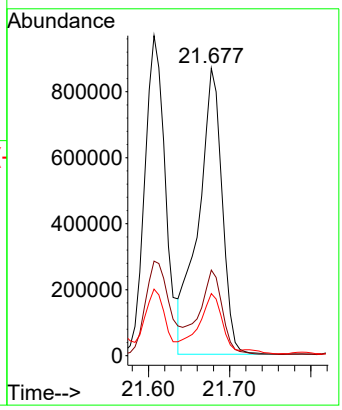




#83
Chrysene
Concen: 32.119 ng
RT: 21.677 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:228 Resp: 175696

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	21.6	15.6	23.4



Instrument :
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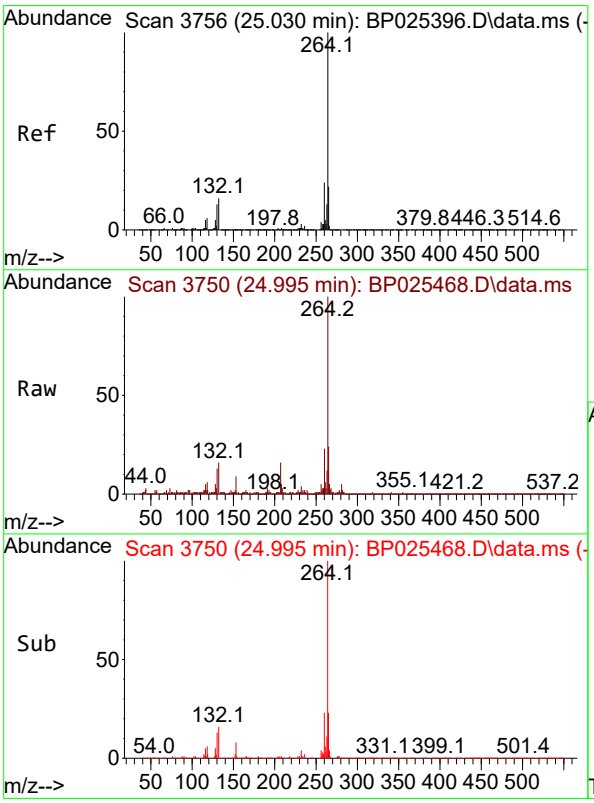
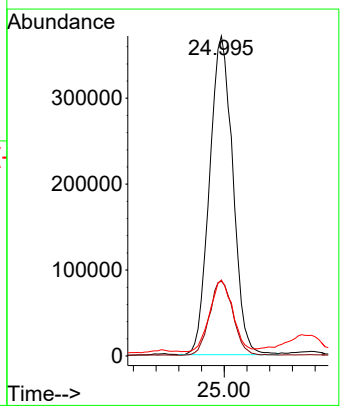
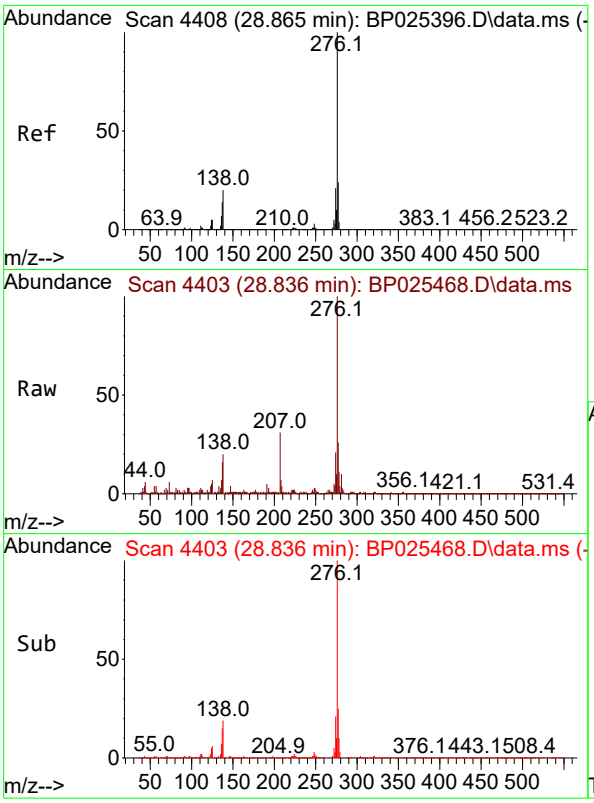


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.995 min Scan# 3750
Delta R.T. -0.035 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:264 Resp: 1055308

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	23.8	17.4	26.0

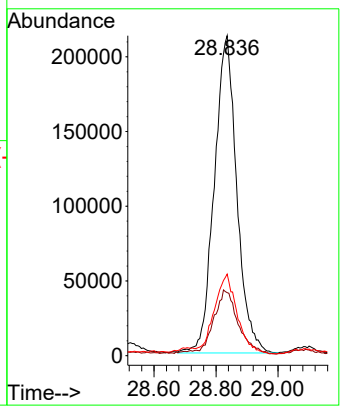




#87
Indeno(1,2,3-cd)pyrene
Concen: 13.830 ng
RT: 28.836 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:276 Resp: 107032

Ion	Ratio	Lower	Upper
276	100		
138	22.0	12.9	19.3#
277	25.7	17.0	25.6#



Instrument :
BNA_P
ClientSampleId :
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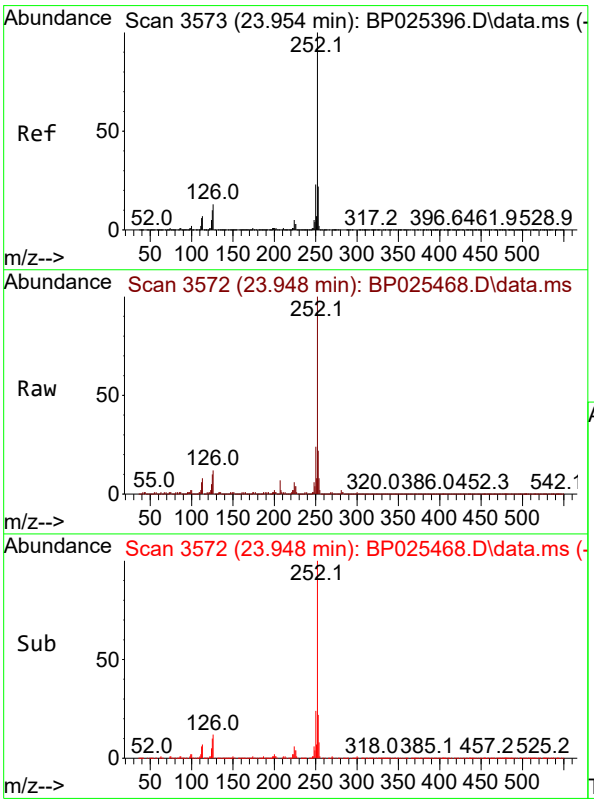
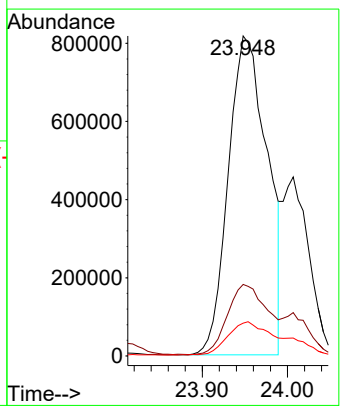
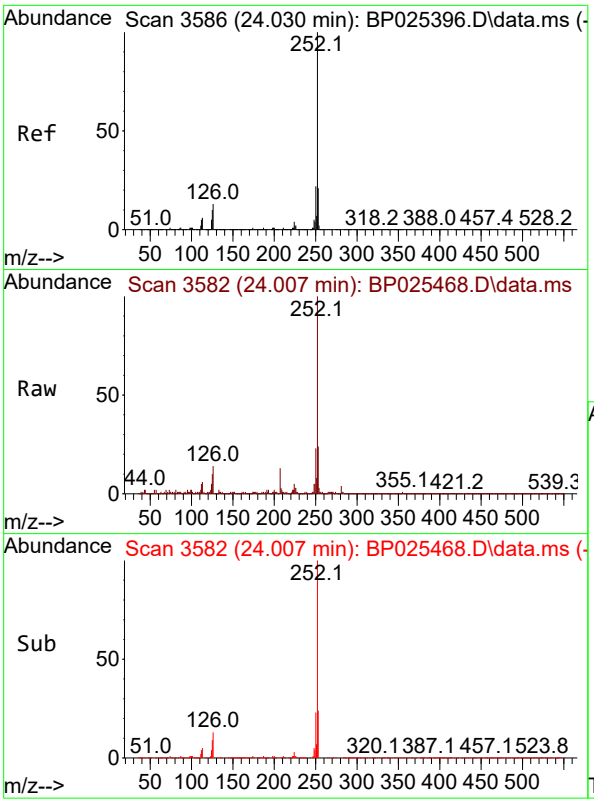


#88
Benzo(b)fluoranthene
Concen: 41.723 ng
RT: 23.948 min Scan# 3572
Delta R.T. -0.006 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:252 Resp: 2596346

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	10.3	7.9	11.9

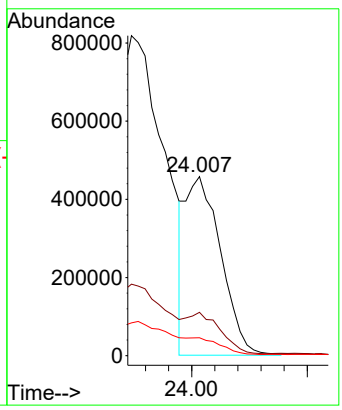




#89
Benzo(k)fluoranthene
Concen: 15.648 ng m
RT: 24.007 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:252 Resp: 97442

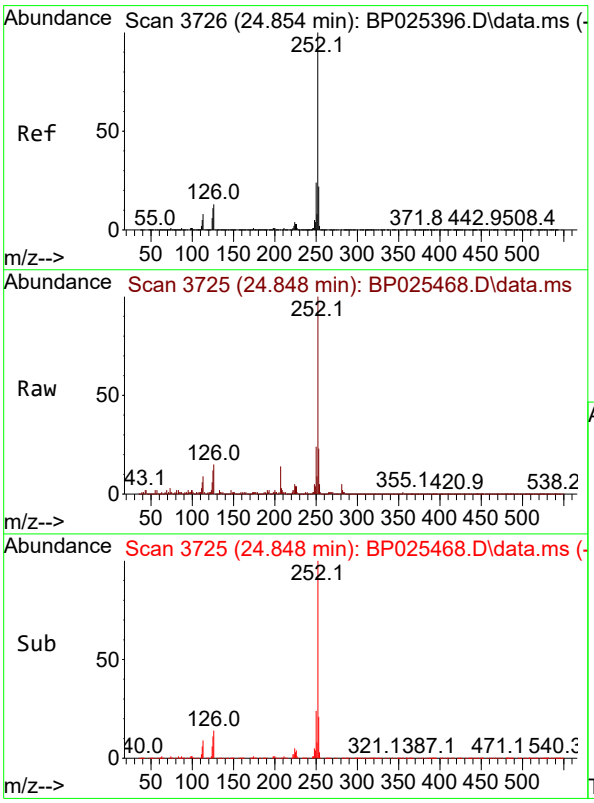
Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	10.0	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
TG-S04

Manual Integrations APPROVED

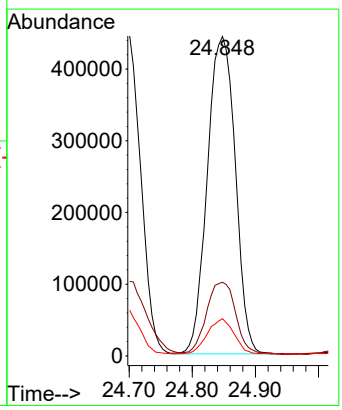
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

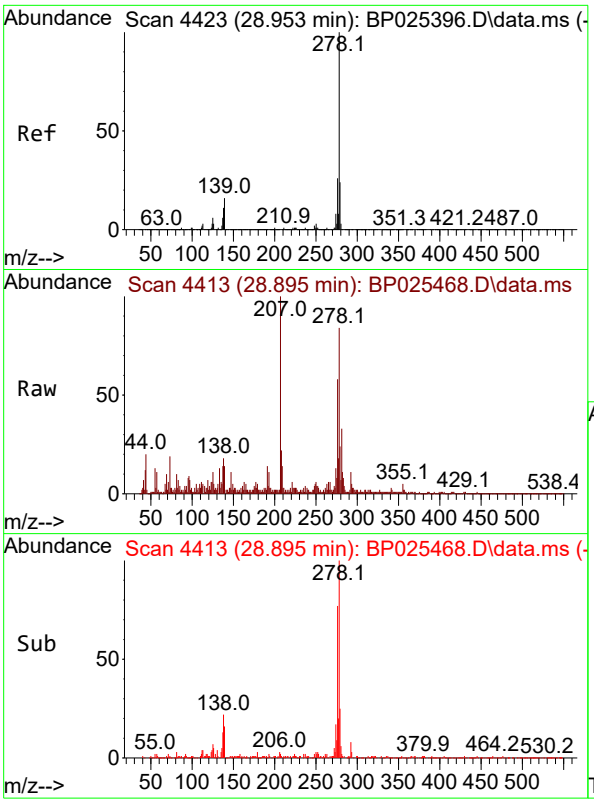


#90
Benzo(a)pyrene
Concen: 22.538 ng
RT: 24.848 min Scan# 3725
Delta R.T. -0.006 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:252 Resp: 1365210

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	11.7	8.7	13.1

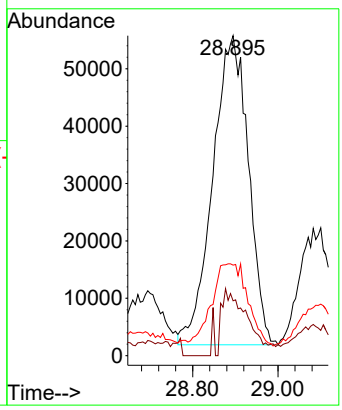




#91
Dibenzo(a,h)anthracene
Concen: 4.946 ng
RT: 28.895 min Scan# 44
Delta R.T. -0.059 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:278 Resp: 31282

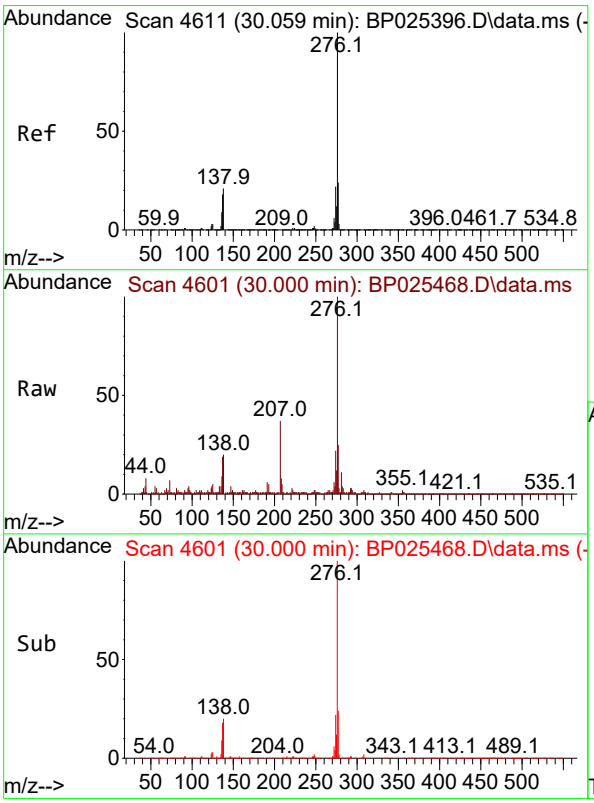
Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.0	19.4
279	28.3	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
TG-S04

Manual Integrations
APPROVED

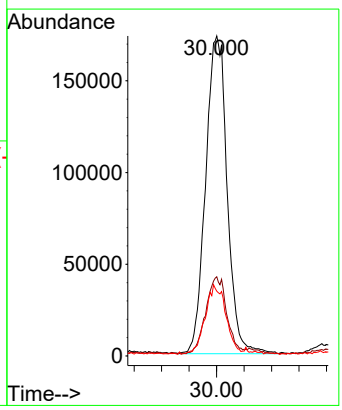
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025



#92
Benzo(g,h,i)perylene
Concen: 15.191 ng
RT: 30.000 min Scan# 4601
Delta R.T. -0.059 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:276 Resp: 944424

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.4	29.0
138	20.3	16.7	25.1



Sample Results: **BP025468.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025468.D
Acq On : 18 Aug 2025 19:39
Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

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

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

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

Signal : TIC: BP025468.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.043	13	18	28	rVB	261613	366518	5.04%	0.497%
2	5.408	414	420	427	rBV	446275	651148	8.96%	0.884%
3	6.966	678	685	694	rBV	426695	686982	9.45%	0.932%
4	7.790	817	825	833	rBV	588835	961511	13.23%	1.305%
5	8.325	909	916	922	rBV2	48933	94138	1.30%	0.128%
6	8.925	1007	1018	1028	rBV	271754	474942	6.53%	0.645%
7	10.560	1287	1296	1302	rBV	791183	1378431	18.97%	1.871%
8	13.013	1707	1713	1723	rVB	763181	1126415	15.50%	1.529%
9	14.119	1894	1901	1914	rBV	552744	858841	11.82%	1.166%
10	14.401	1941	1949	1956	rBV	1196310	1793526	24.68%	2.434%
11	14.801	2012	2017	2025	rVV	63076	106215	1.46%	0.144%
12	15.031	2048	2056	2061	rBV3	42565	99619	1.37%	0.135%
13	15.284	2094	2099	2106	rVB3	53868	89661	1.23%	0.122%
14	15.460	2124	2129	2142	rVB5	79314	190494	2.62%	0.259%
15	15.684	2161	2167	2174	rBV3	37639	92907	1.28%	0.126%
16	15.772	2177	2182	2191	rVB4	116041	232675	3.20%	0.316%
17	15.907	2198	2205	2214	rVB2	578958	929474	12.79%	1.262%
18	16.148	2240	2246	2250	rBV3	121214	227473	3.13%	0.309%
19	16.489	2298	2304	2309	rBV5	36462	77161	1.06%	0.105%
20	16.725	2340	2344	2347	rBV3	50444	76575	1.05%	0.104%
21	16.766	2347	2351	2355	rVV	114627	165173	2.27%	0.224%
22	16.836	2359	2363	2372	rVB3	97110	176390	2.43%	0.239%
23	16.919	2373	2377	2382	rVV	58455	108752	1.50%	0.148%
24	17.019	2389	2394	2401	rVB2	48573	97418	1.34%	0.132%
25	17.195	2418	2424	2428	rBV	1338991	2111699	29.05%	2.866%
26	17.236	2428	2431	2437	rVV	850593	1187652	16.34%	1.612%
27	17.331	2440	2447	2453	rVV	785733	1342899	18.48%	1.823%
28	17.389	2453	2457	2464	rVB4	105602	209786	2.89%	0.285%
29	17.607	2485	2494	2498	rBV	206943	377073	5.19%	0.512%
30	17.730	2511	2515	2519	rVB3	81414	101237	1.39%	0.137%
31	17.789	2522	2525	2530	rVB3	60831	73245	1.01%	0.099%
32	18.101	2573	2578	2581	rBV	224376	352009	4.84%	0.478%
33	18.148	2581	2586	2592	rVB	417833	678679	9.34%	0.921%
34	18.230	2596	2600	2605	rVB	232549	327766	4.51%	0.445%
35	18.295	2605	2611	2615	rBV2	403583	795725	10.95%	1.080%
36	18.454	2635	2638	2642	rVB4	63976	90568	1.25%	0.123%

Sample Results: **BP025468.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025468.D
Acq On : 18 Aug 2025 19:39
Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

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

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

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

37	18.507	2644	2647	2652	rVB4	52536	74300	1.02%	0.101%
38	18.613	2662	2665	2669	rBV	184013	254248	3.50%	0.345%
39	18.654	2669	2672	2679	rVB3	189695	284052	3.91%	0.386%
40	18.872	2706	2709	2713	rVB2	123718	136767	1.88%	0.186%
41	18.925	2714	2718	2721	rVV	161433	228639	3.15%	0.310%
42	18.966	2721	2725	2729	rVB	150843	202444	2.79%	0.275%
43	19.054	2734	2740	2744	rBV	382343	663590	9.13%	0.901%
44	19.107	2745	2749	2753	rVV3	197305	395094	5.44%	0.536%
45	19.142	2753	2755	2759	rVB2	146632	172361	2.37%	0.234%
46	19.189	2759	2763	2772	rBV	349504	598823	8.24%	0.813%
47	19.319	2779	2785	2792	rVB	3953916	5779034	79.51%	7.844%
48	19.383	2794	2796	2800	rVB	94566	104461	1.44%	0.142%
49	19.425	2801	2803	2807	rVB2	104649	108799	1.50%	0.148%
50	19.483	2808	2813	2816	rBV	303711	435358	5.99%	0.591%
51	19.577	2826	2829	2831	rBV	82595	104415	1.44%	0.142%
52	19.695	2839	2849	2858	rVV	3629669	6738696	92.72%	9.146%
53	19.777	2858	2863	2869	rVB2	324892	566898	7.80%	0.769%
54	19.877	2877	2880	2883	rBV	256572	350781	4.83%	0.476%
55	19.919	2883	2887	2890	rBV	1492372	1688914	23.24%	2.292%
56	20.048	2901	2909	2914	rBV4	475182	1190779	16.38%	1.616%
57	20.177	2925	2931	2933	rBV5	406905	732095	10.07%	0.994%
58	20.266	2943	2946	2951	rBV5	112802	205144	2.82%	0.278%
59	20.319	2952	2955	2959	rVV	260143	403119	5.55%	0.547%
60	20.377	2961	2965	2970	rVB2	574315	1036355	14.26%	1.407%
61	20.524	2986	2990	2993	rBV	371557	453839	6.24%	0.616%
62	20.572	2994	2998	3004	rVB2	308045	435549	5.99%	0.591%
63	21.007	3068	3072	3080	rBV	667743	1153079	15.87%	1.565%
64	21.183	3096	3102	3107	rBV2	431282	1071623	14.74%	1.454%
65	21.236	3107	3111	3115	rVV	462284	649851	8.94%	0.882%
66	21.277	3115	3118	3126	rVV2	436091	1062697	14.62%	1.442%
67	21.354	3128	3131	3139	rVB	547309	942012	12.96%	1.279%
68	21.619	3169	3176	3182	rBV2	2756581	7268014	100.00%	9.865%
69	21.677	3183	3186	3192	rVB	1935754	2910953	40.05%	3.951%
70	22.395	3305	3308	3315	rVB	504237	796941	10.97%	1.082%
71	23.948	3564	3572	3580	rBV	2026203	6672912	91.81%	9.057%
72	24.695	3693	3699	3711	rVB	1157432	3400842	46.79%	4.616%
73	24.848	3717	3725	3735	rVB	1066483	3162167	43.51%	4.292%
74	24.995	3743	3750	3758	rBV	931842	2530444	34.82%	3.435%

Sum of corrected areas: 73676866

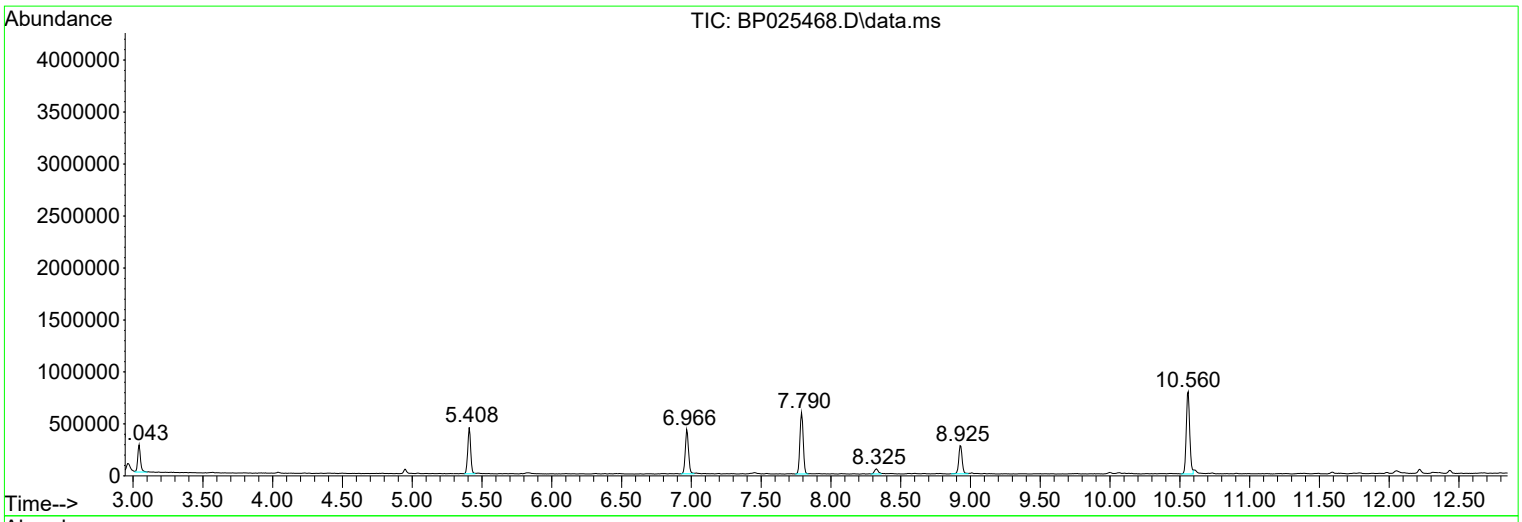
Sample Results: **BP025468.D**

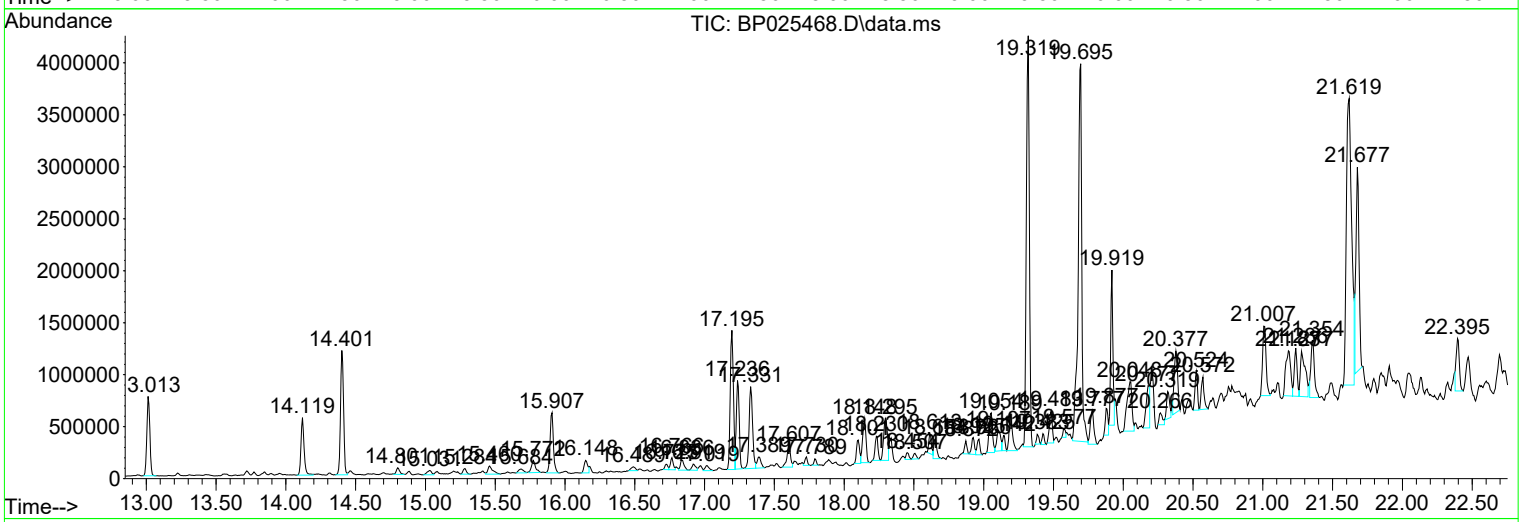
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025468.D
Acq On : 18 Aug 2025 19:39
Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

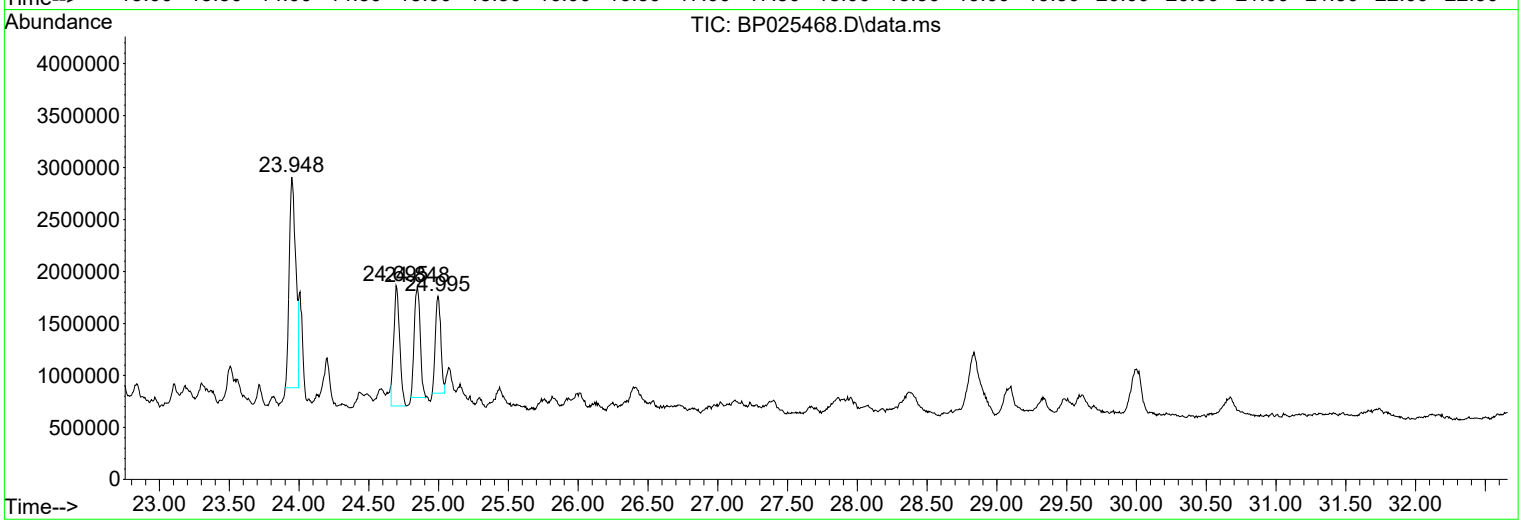
Instrument :
BNA_P
ClientSampleId :
TG-S04

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025468.D
Acq On : 18 Aug 2025 19:39
Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

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

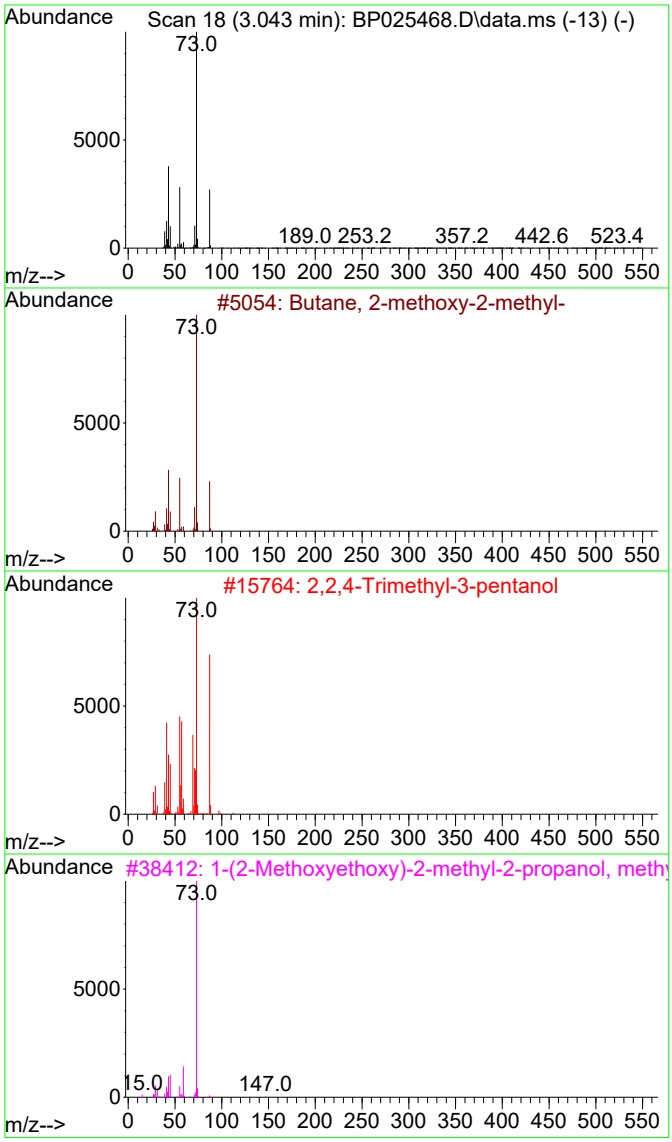
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

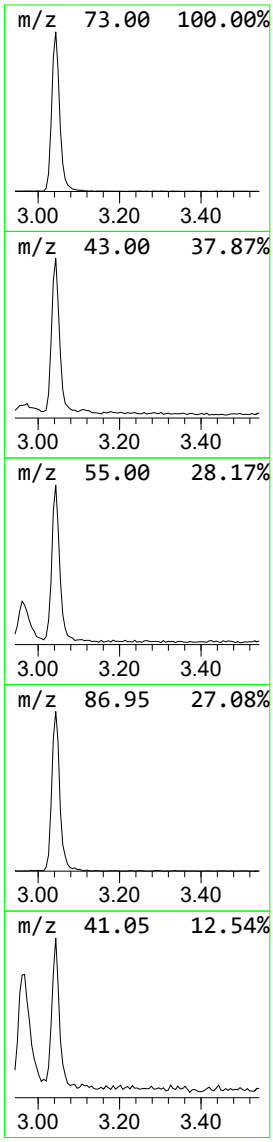
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	7.62 ng	366518	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	23
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025468.D
Acq On : 18 Aug 2025 19:39
Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

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

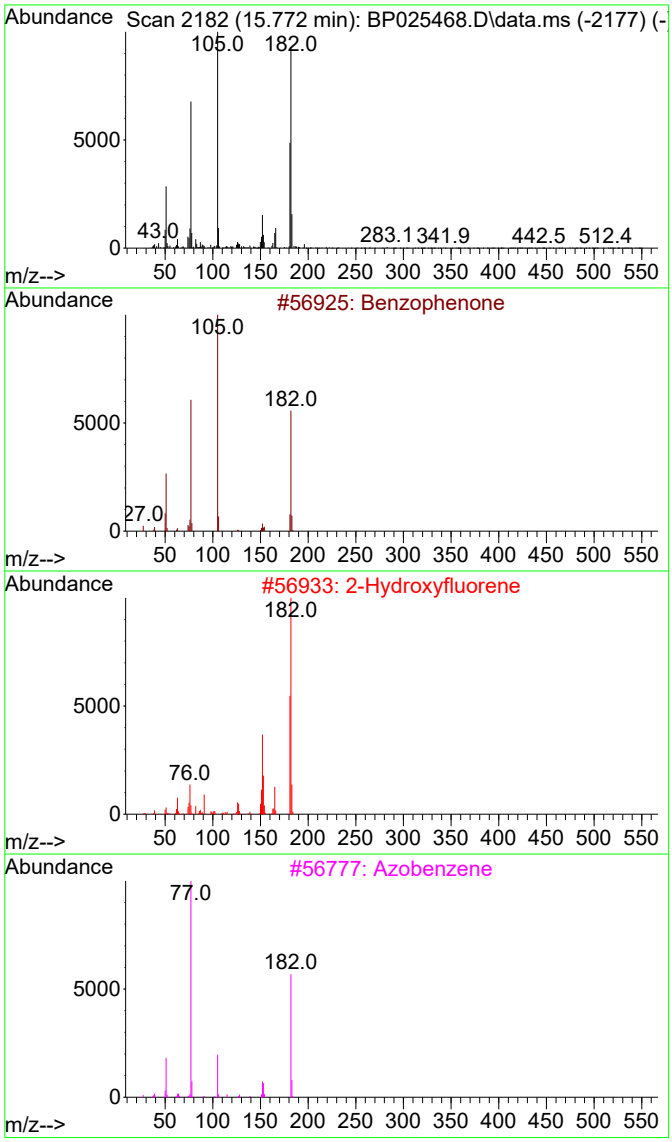
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

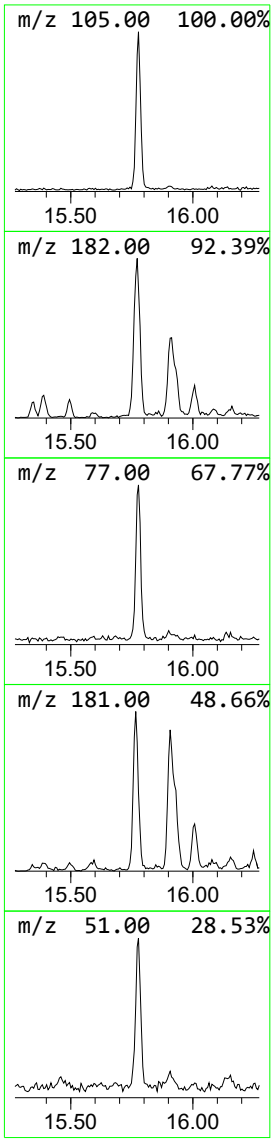
****

Peak Number 2 Benzophenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.772	2.59 ng	232675	Acenaphthene-d10	14.401

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	81
2	2-Hydroxyfluorene	182	C13H10O	002443-58-5	60
3	Azobenzene	182	C12H10N2	000103-33-3	50
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	49
5	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025468.D
Acq On : 18 Aug 2025 19:39
Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

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

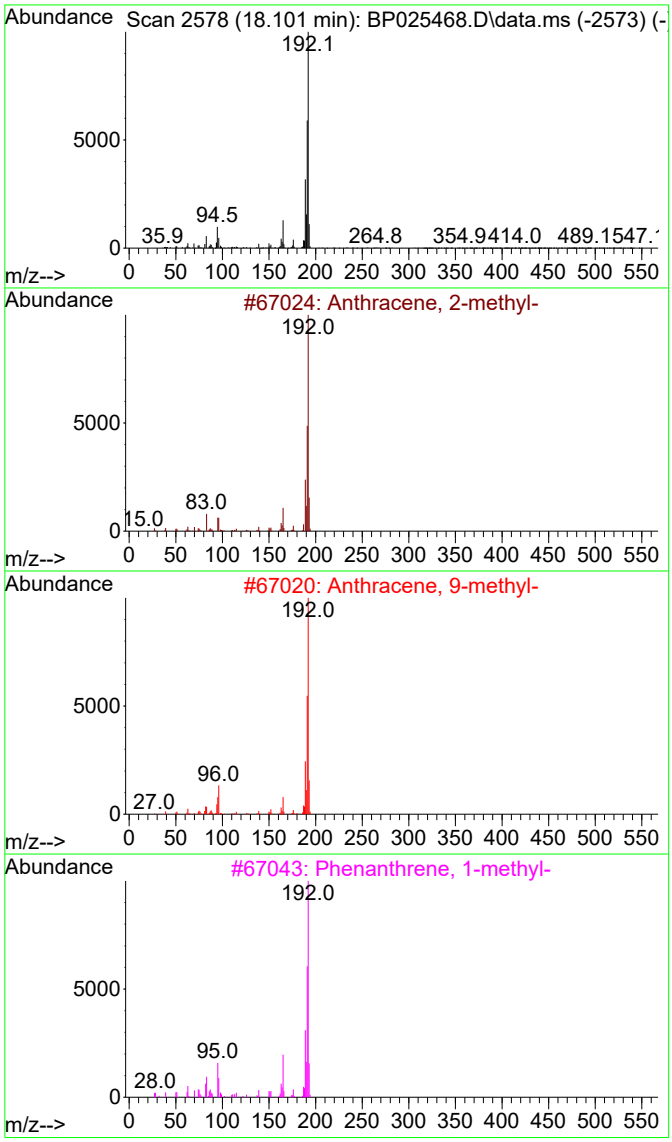
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

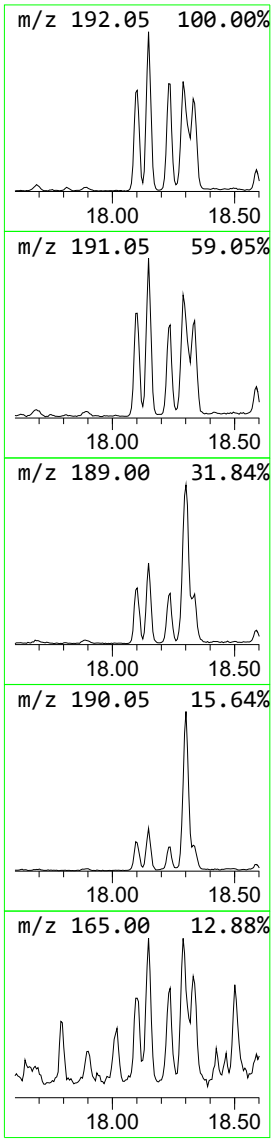
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.101	3.33 ng	352009	Phenanthrene-d10	17.195

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025468.D
Acq On : 18 Aug 2025 19:39
Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

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

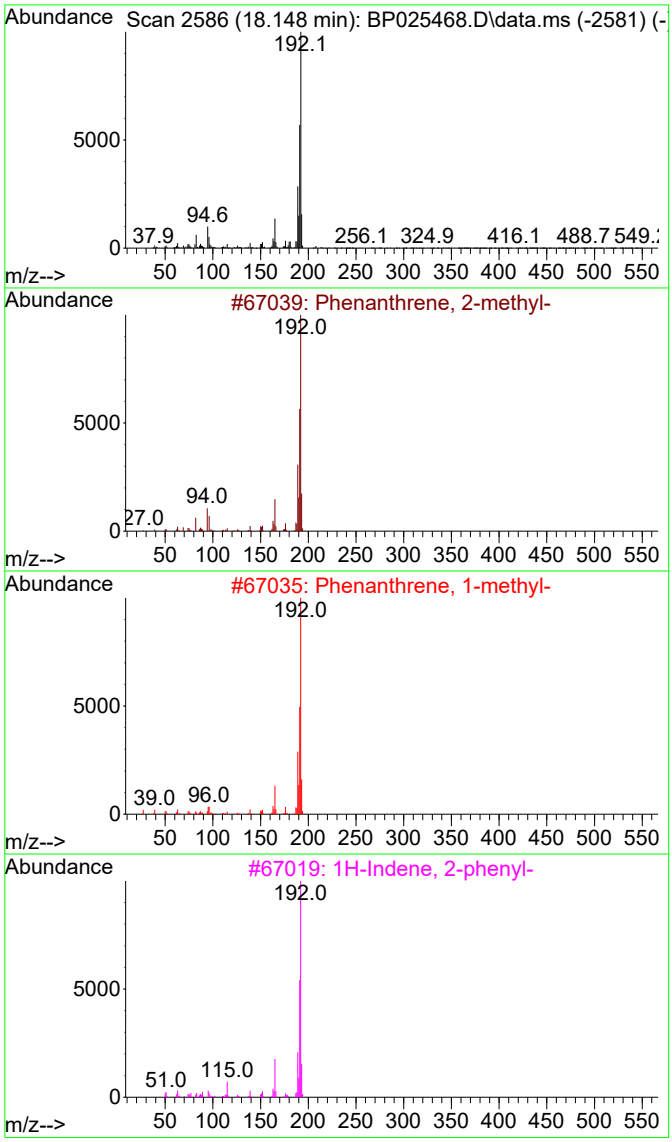
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

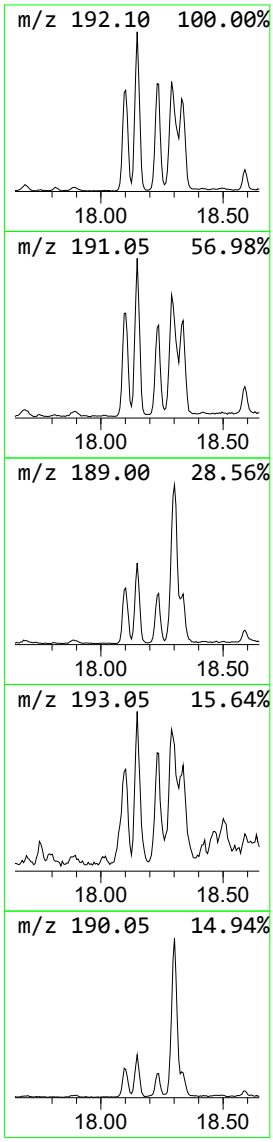
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.148	6.43 ng	678679	Phenanthrene-d10	17.195

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Acq On : 18 Aug 2025 19:39
Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TG-S04

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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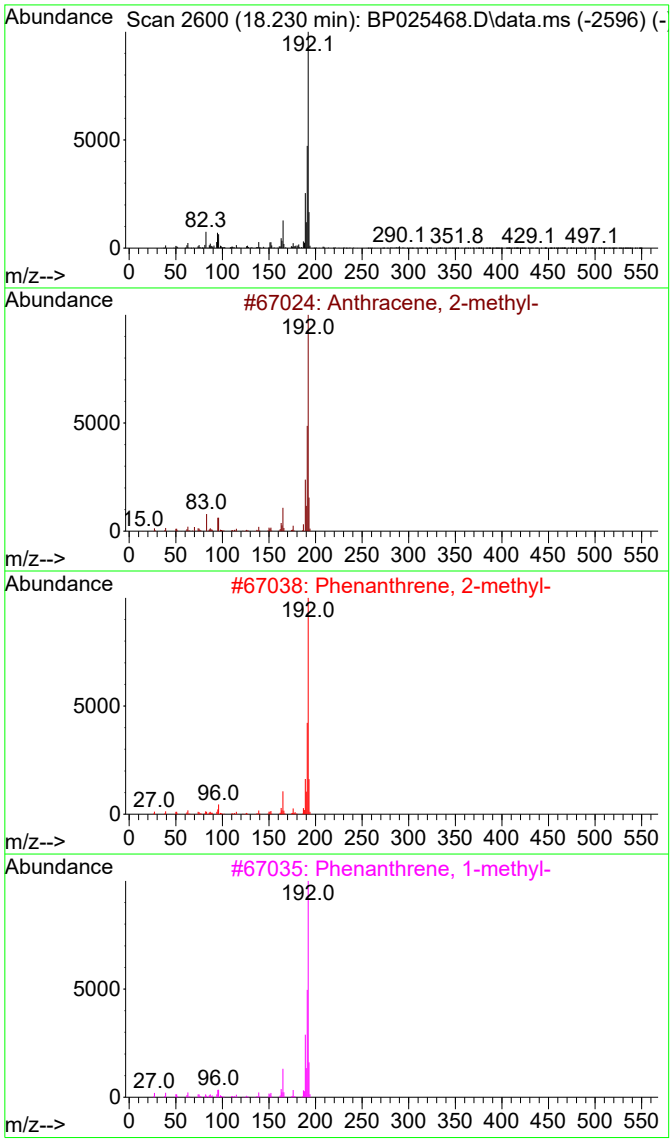
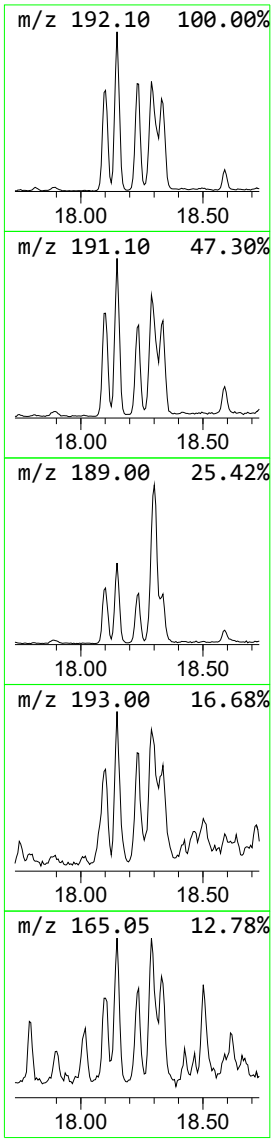
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.230	3.10 ng	327766	Phenanthrene-d10	17.195

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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

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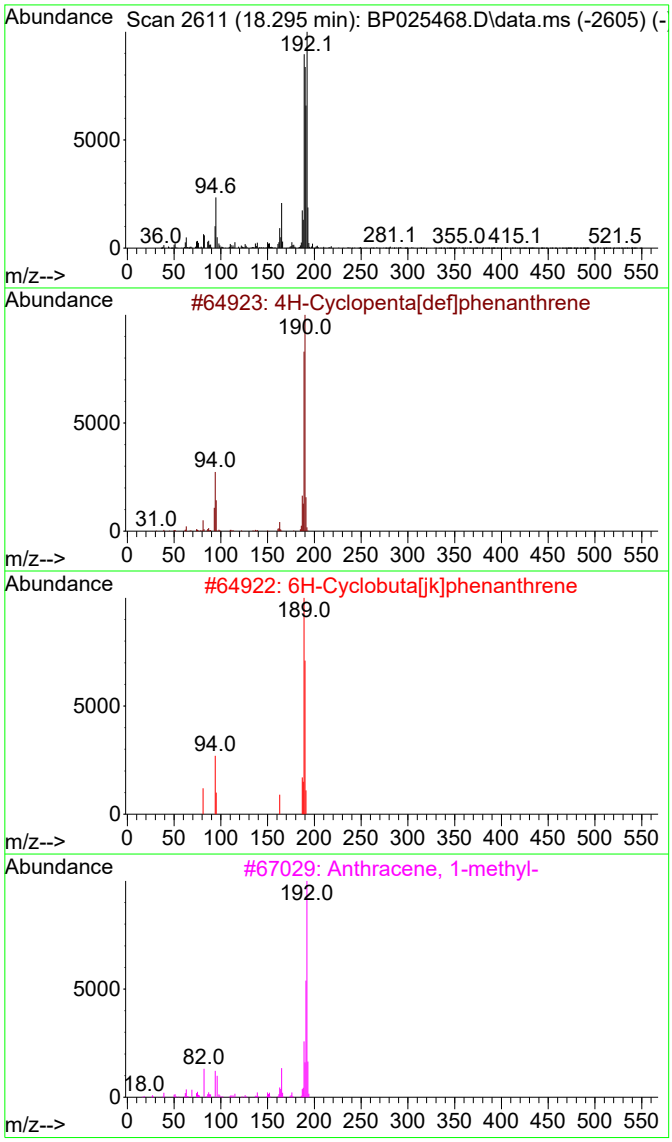
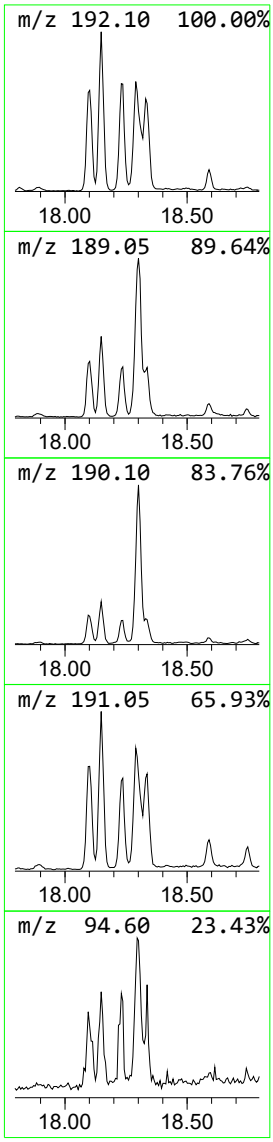
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.295	7.54 ng	795725	Phenanthrene-d10	17.195

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46





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Sample : Q2832-07 5X
Misc :
ALS Vial : 15 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

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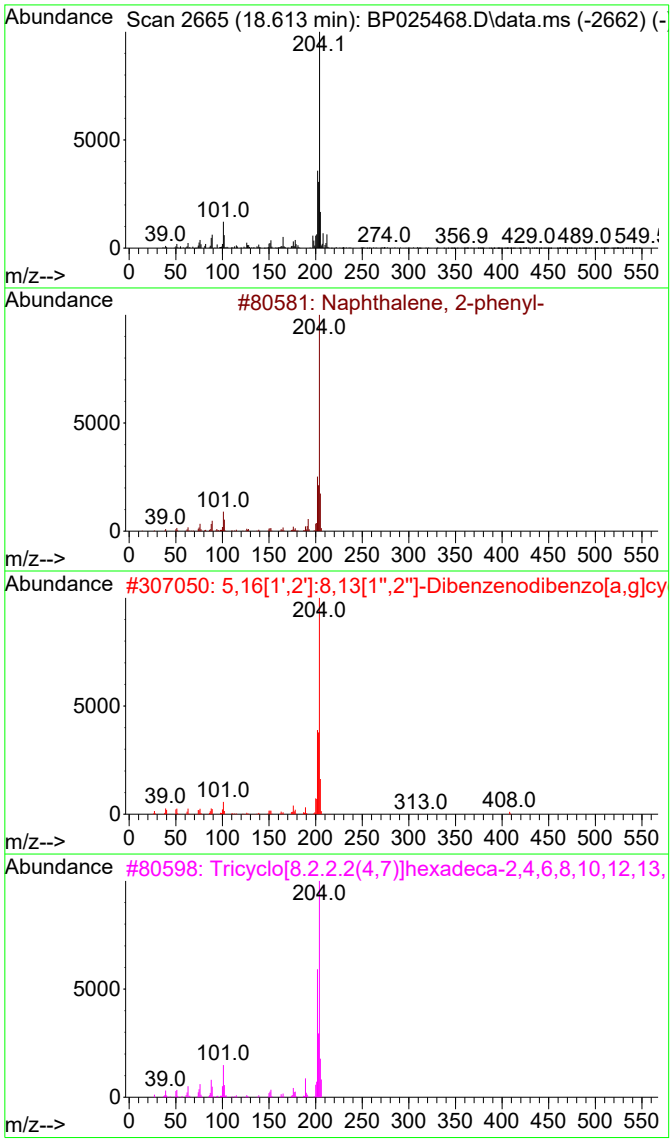
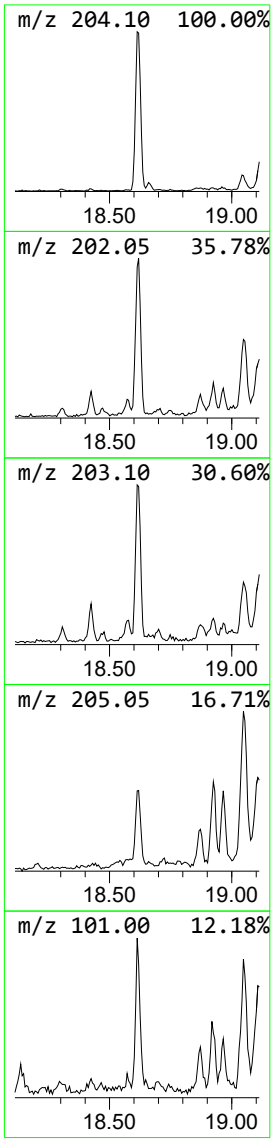
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.613	2.41 ng	254248	Phenanthrene-d10	17.195

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	52





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Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

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

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

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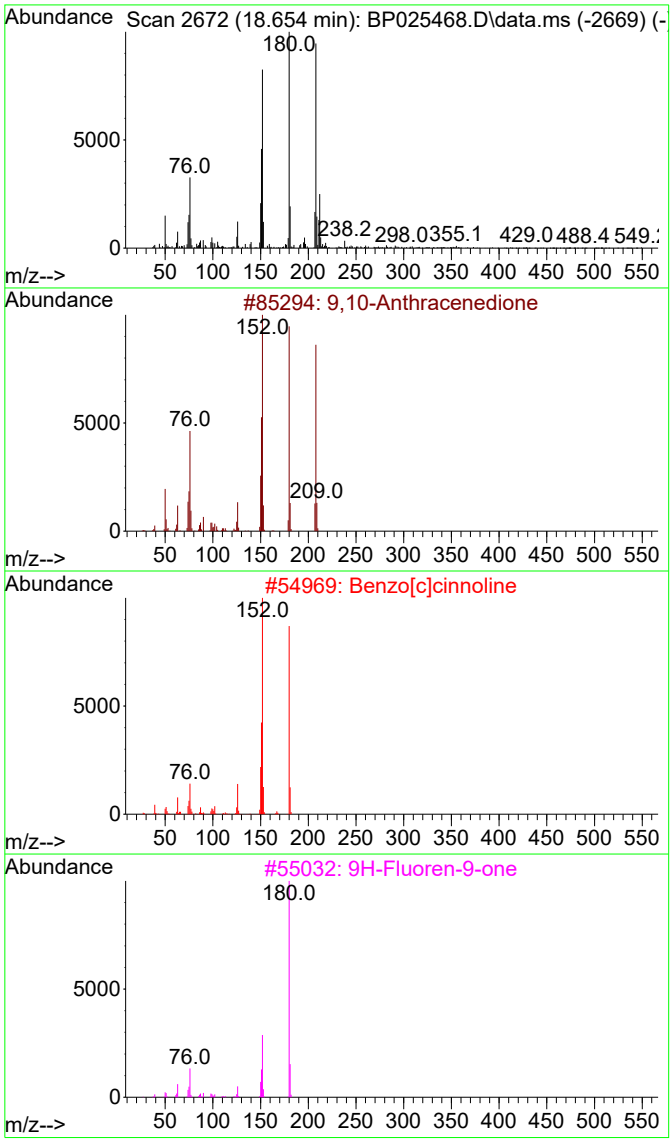
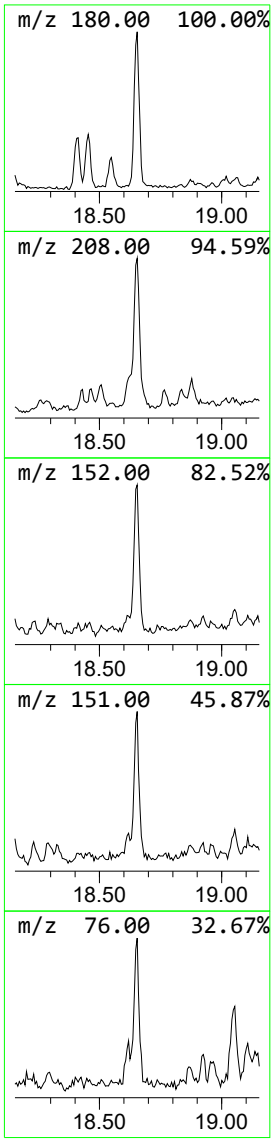
Peak Number 8 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.654	2.69 ng	284052	Phenanthrene-d10	17.195

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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ALS Vial : 15 Sample Multiplier: 1

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

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

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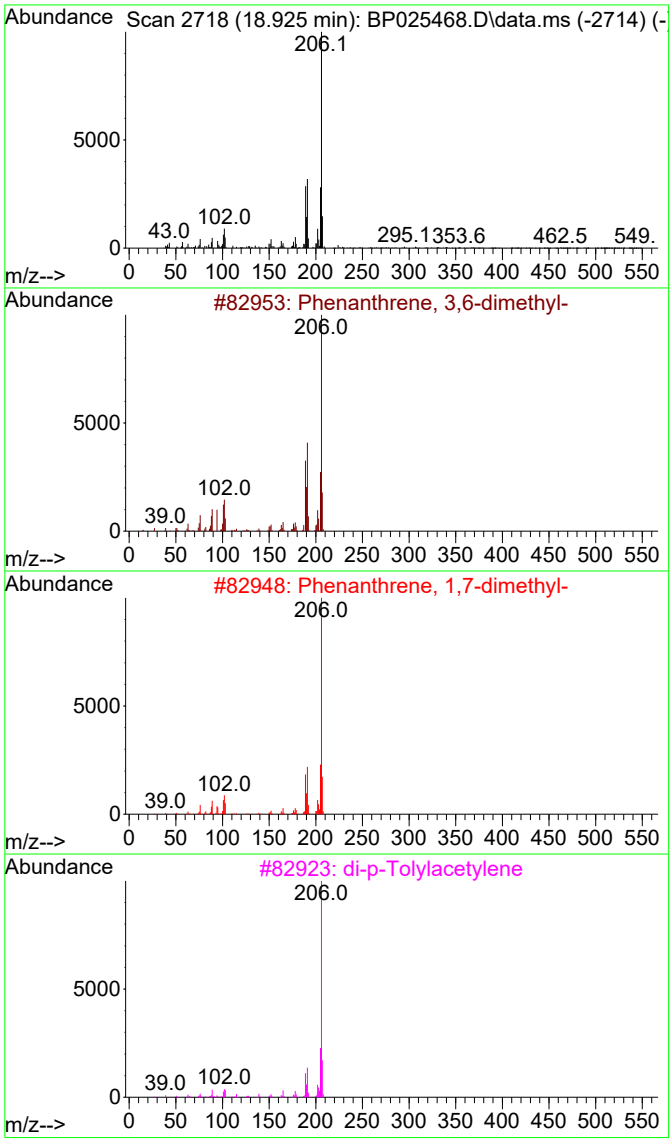
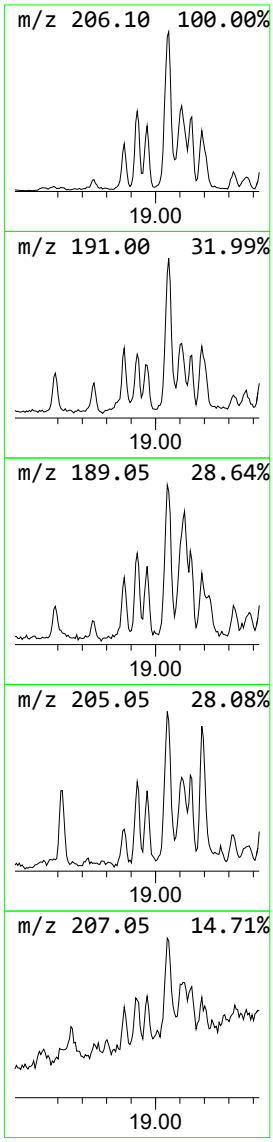
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.925	2.17 ng	228639	Phenanthrene-d10	17.195

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	81
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	76





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Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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

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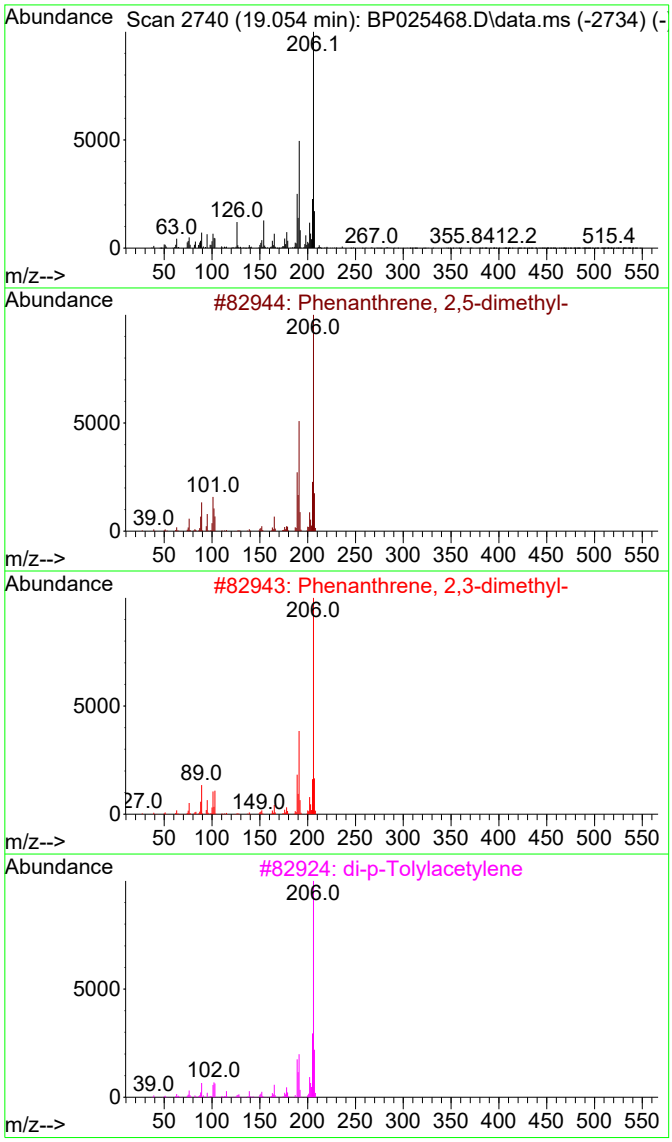
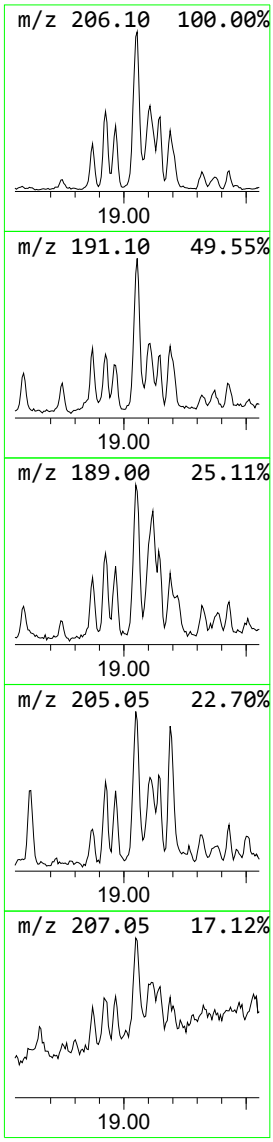
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.054	6.28 ng	663590	Phenanthrene-d10	17.195

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

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

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

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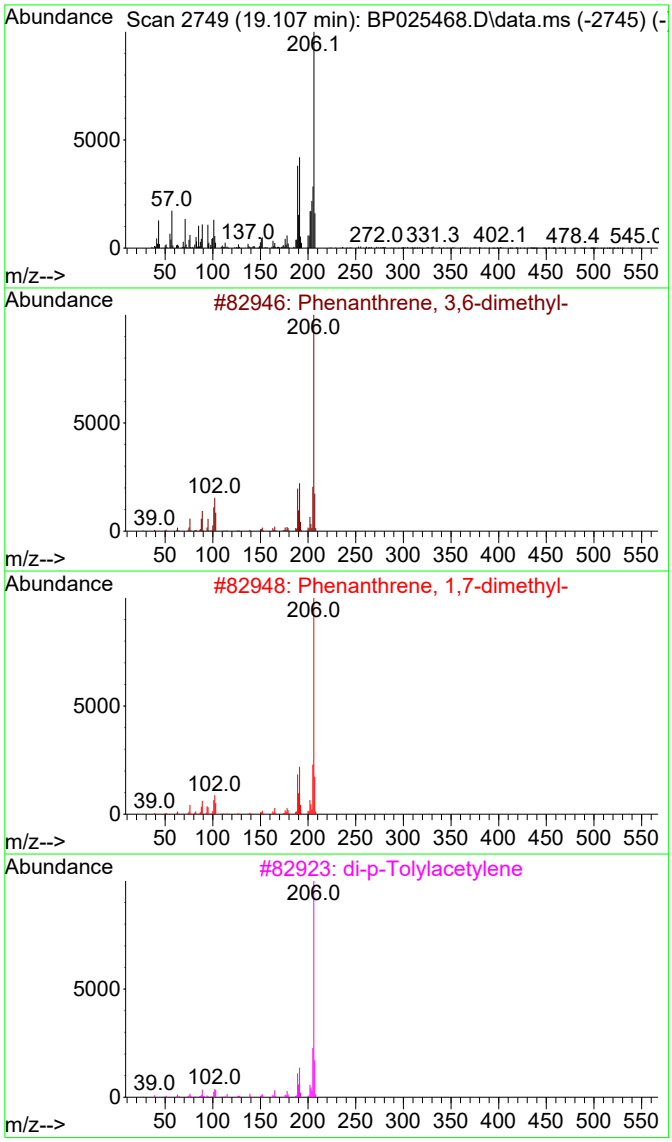
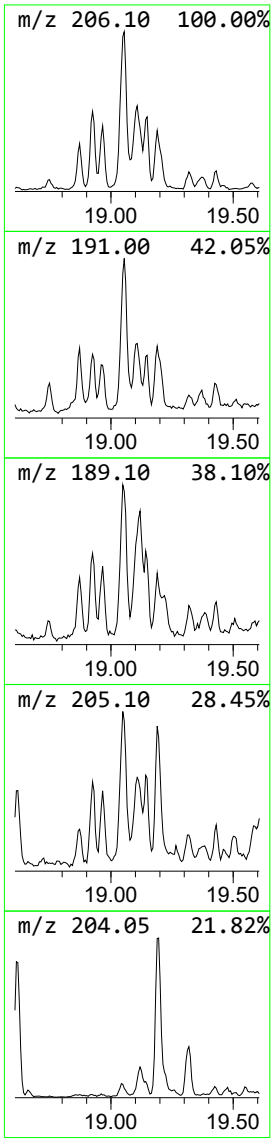
Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.107	3.74 ng	395094	Phenanthrene-d10	17.195

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70





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Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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

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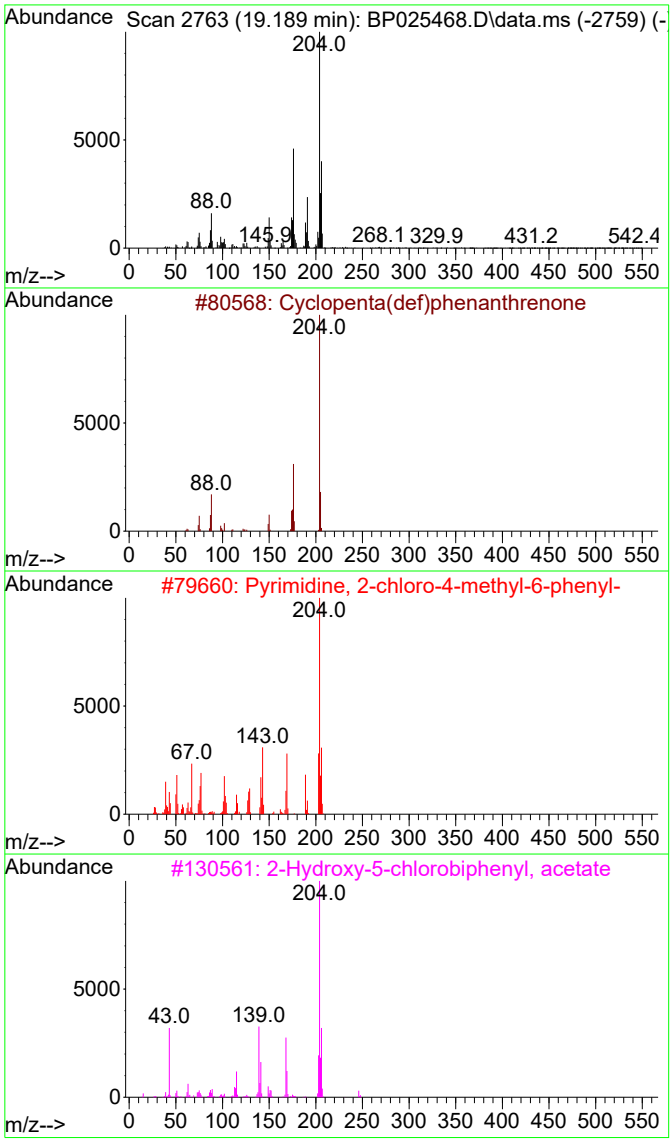
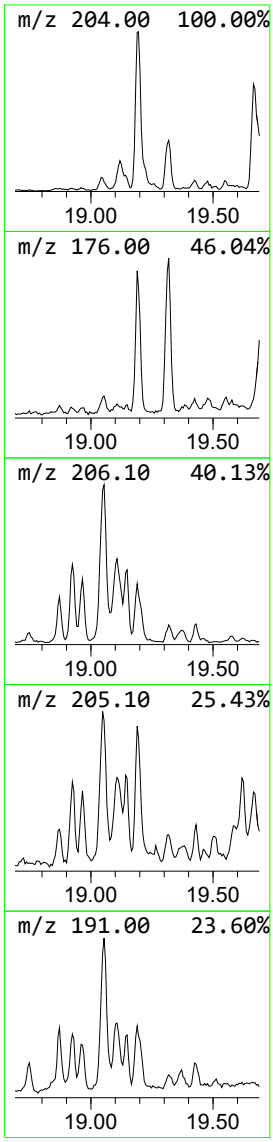
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.189	5.67 ng	598823	Phenanthrene-d10	17.195

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
3	2-Hydroxy-5-chlorobiphenyl, acetate	246	C14H11ClO2	1000447-68-0	43
4	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	43
5	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	43





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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

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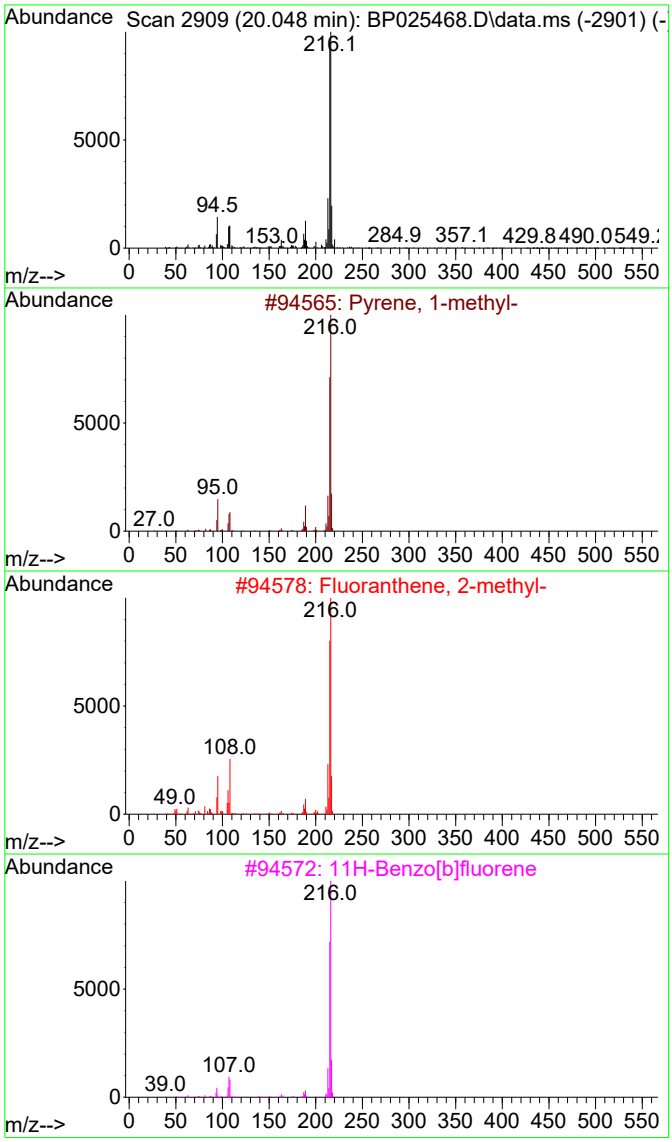
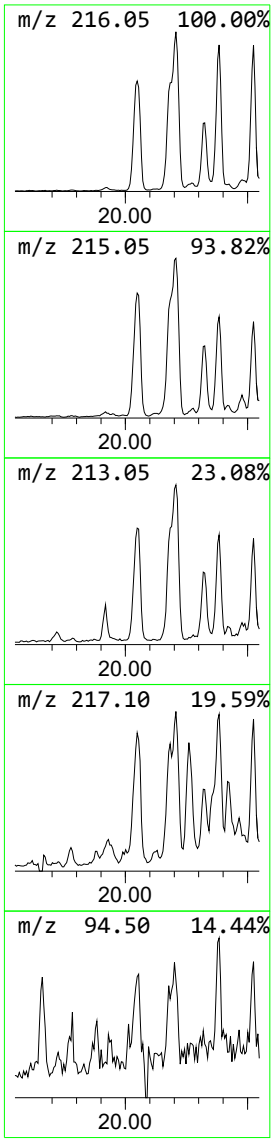
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.048	3.28 ng	1190780	Chrysene-d12	21.624

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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

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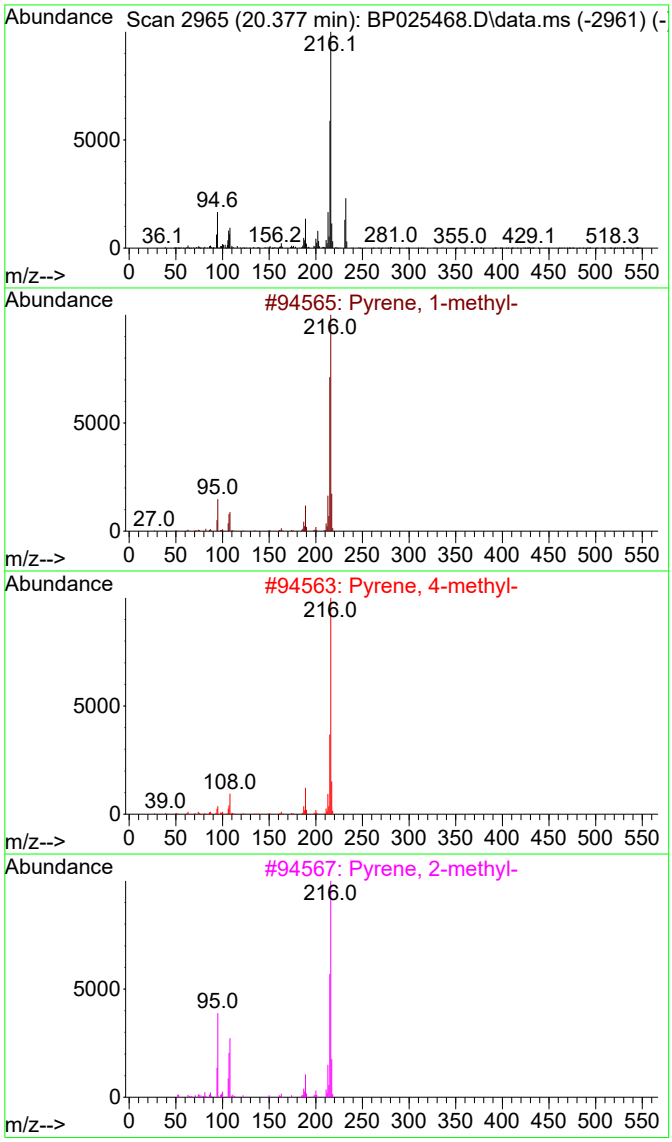
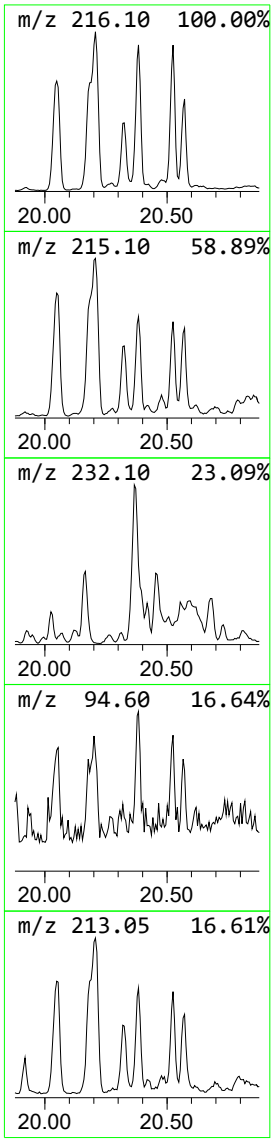
Peak Number 14 Pyrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.377	2.85 ng	1036360	Chrysene-d12	21.624

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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

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

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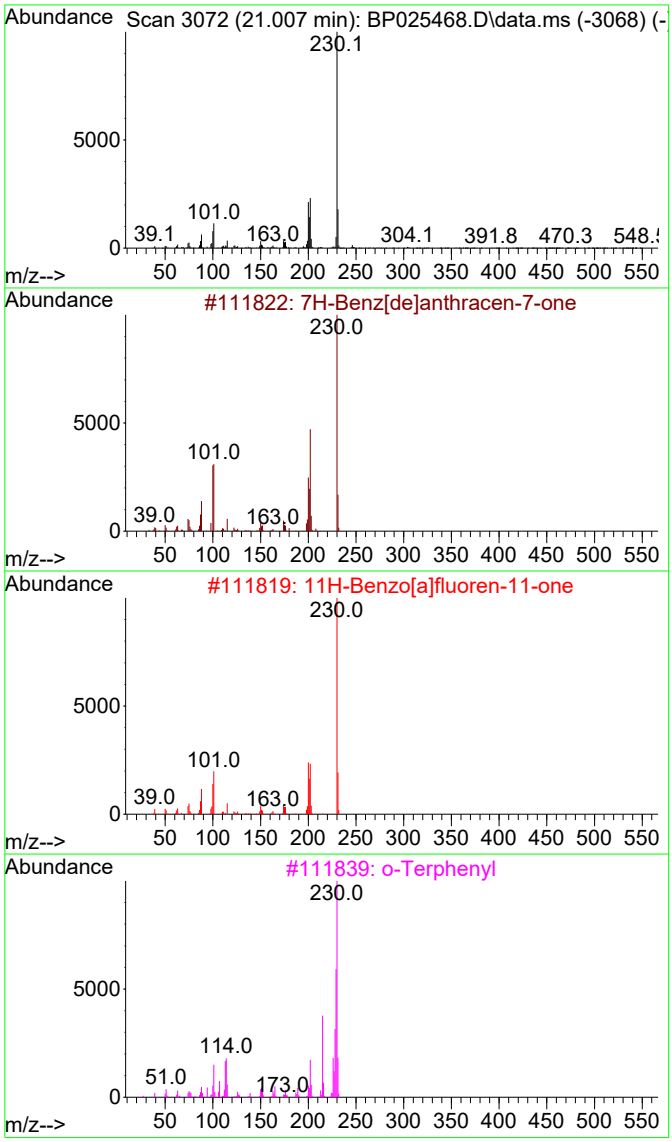
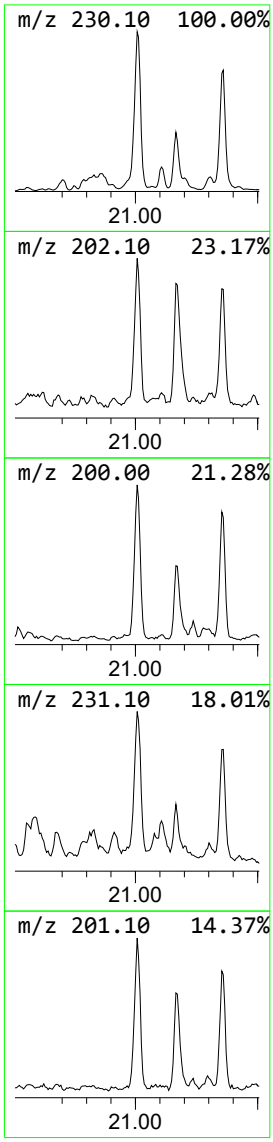
Peak Number 15 7H-Benz[de]anthracen-7-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.007	3.17 ng	1153080	Chrysene-d12	21.624

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	87
3	o-Terphenyl	230	C18H14	000084-15-1	59
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
5	pyrrolidine, 1,1'-(5-methyl-1,3-...	230	C15H22N2	1000401-00-8	53





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Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

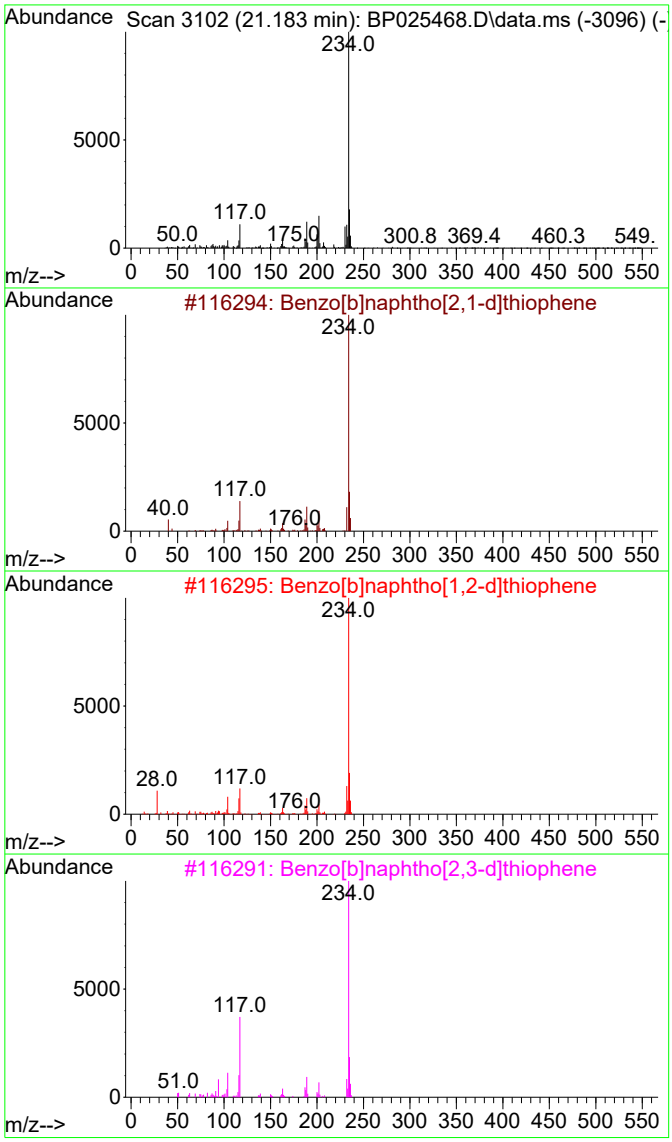
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

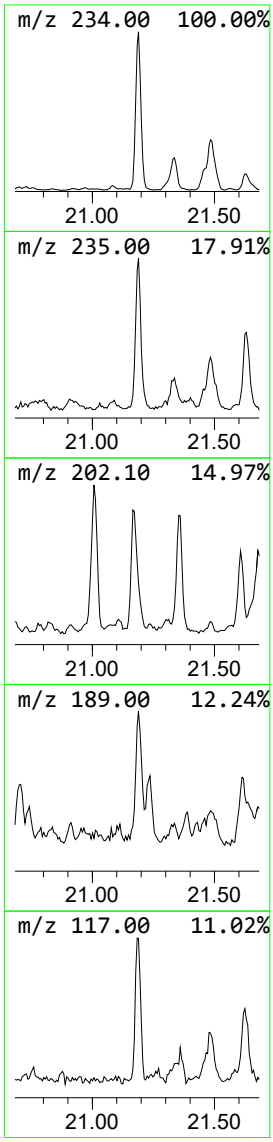
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.183	2.95 ng	1071620	Chrysene-d12	21.624

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	72
5	pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025468.D
Acq On : 18 Aug 2025 19:39
Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

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

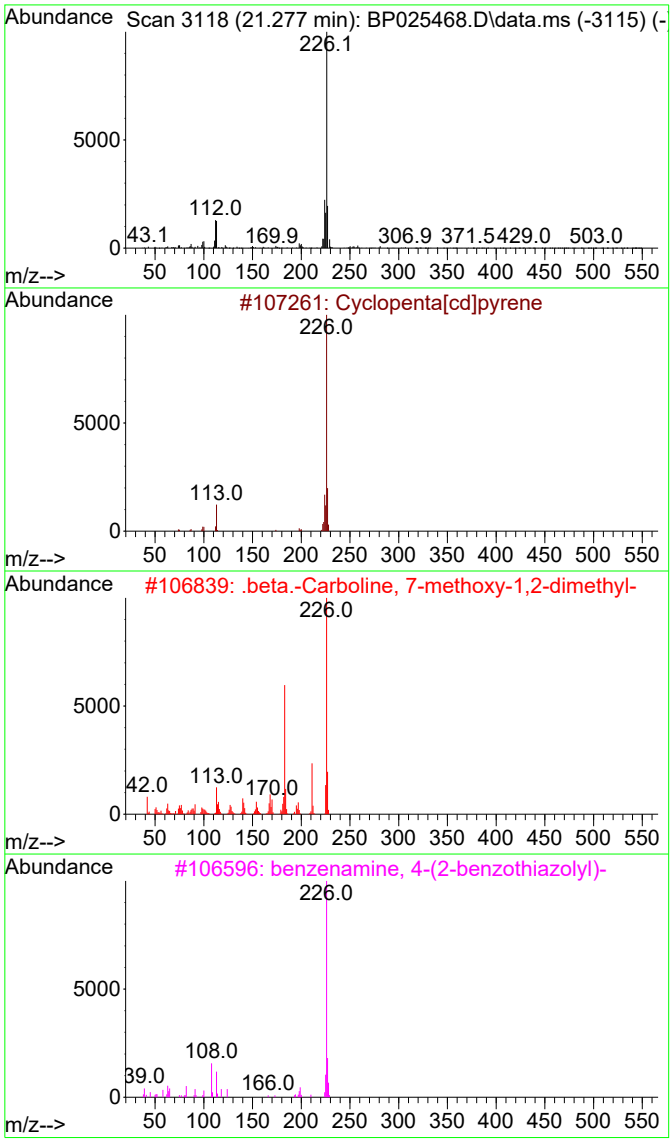
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

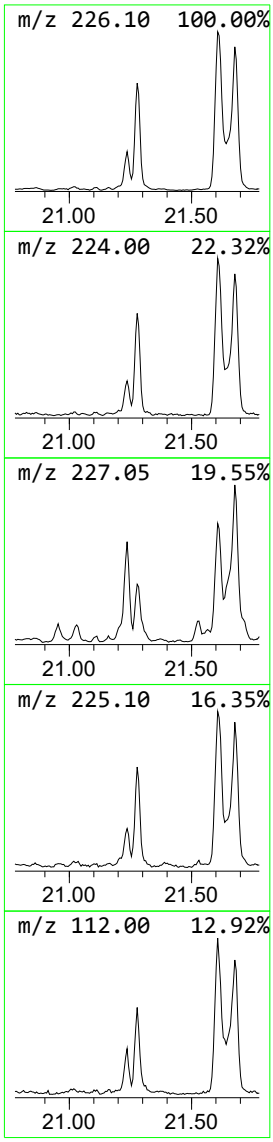
****

Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.277	2.92 ng	1062700	Chrysene-d12	21.624

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	94
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	53
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	42
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025468.D
Acq On : 18 Aug 2025 19:39
Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

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

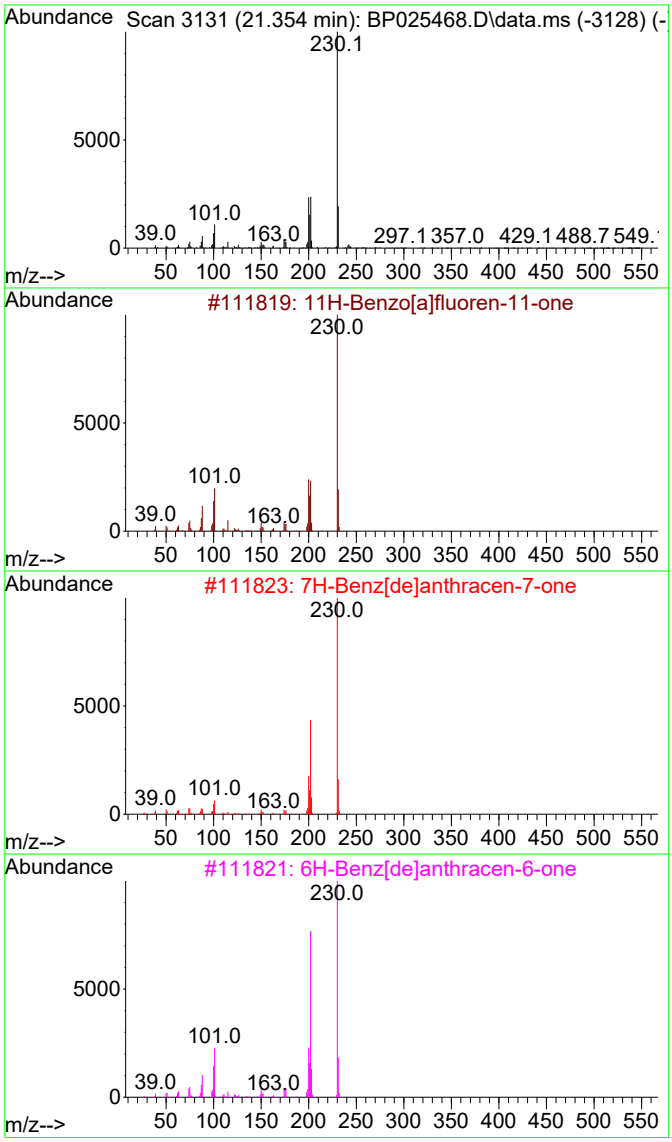
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

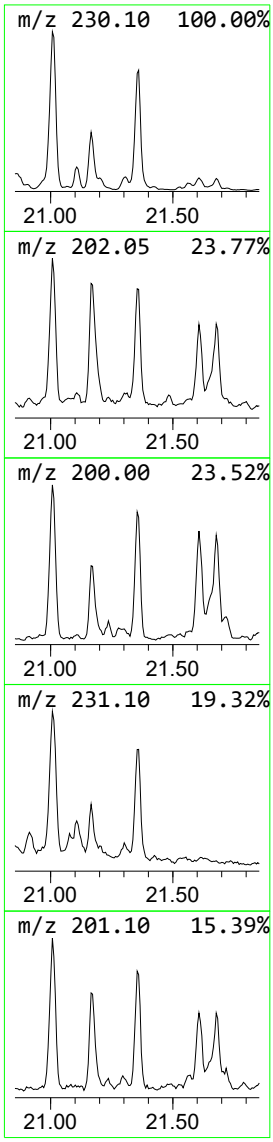
****

Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.354	2.59 ng	942012	Chrysene-d12	21.624

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025468.D
Acq On : 18 Aug 2025 19:39
Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

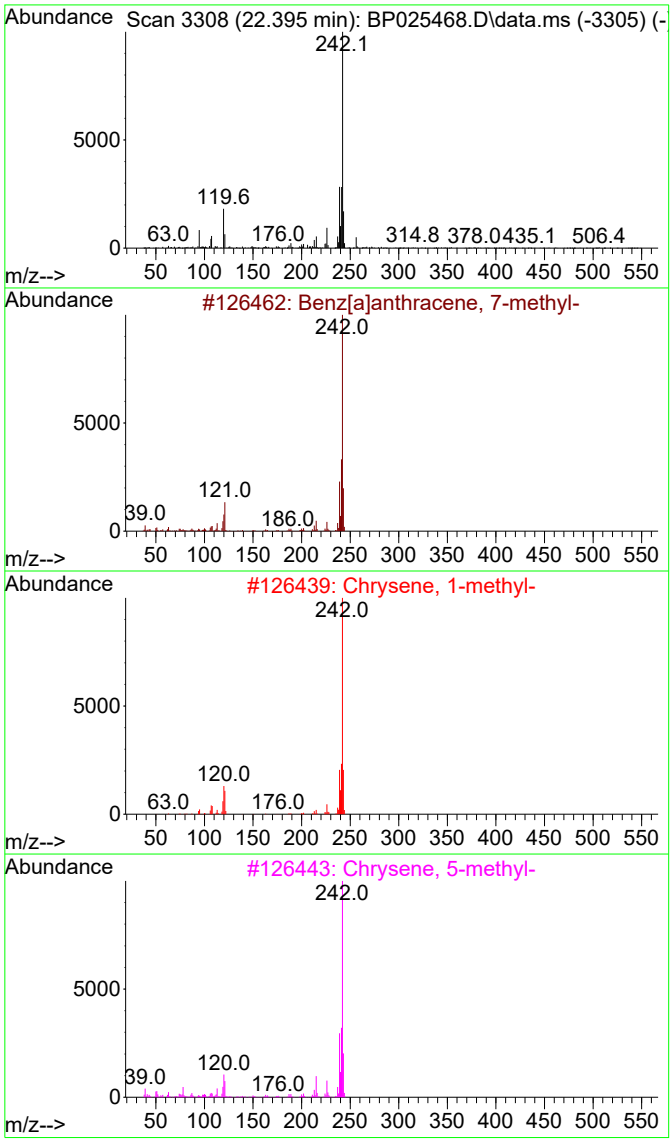
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

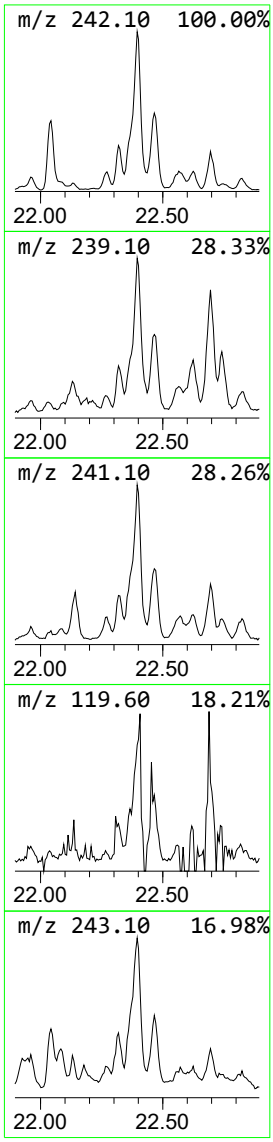
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benz[a]anthracene, 7-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.395	2.19 ng	796941	Chrysene-d12	21.624

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
4	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	89
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025468.D
Acq On : 18 Aug 2025 19:39
Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

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

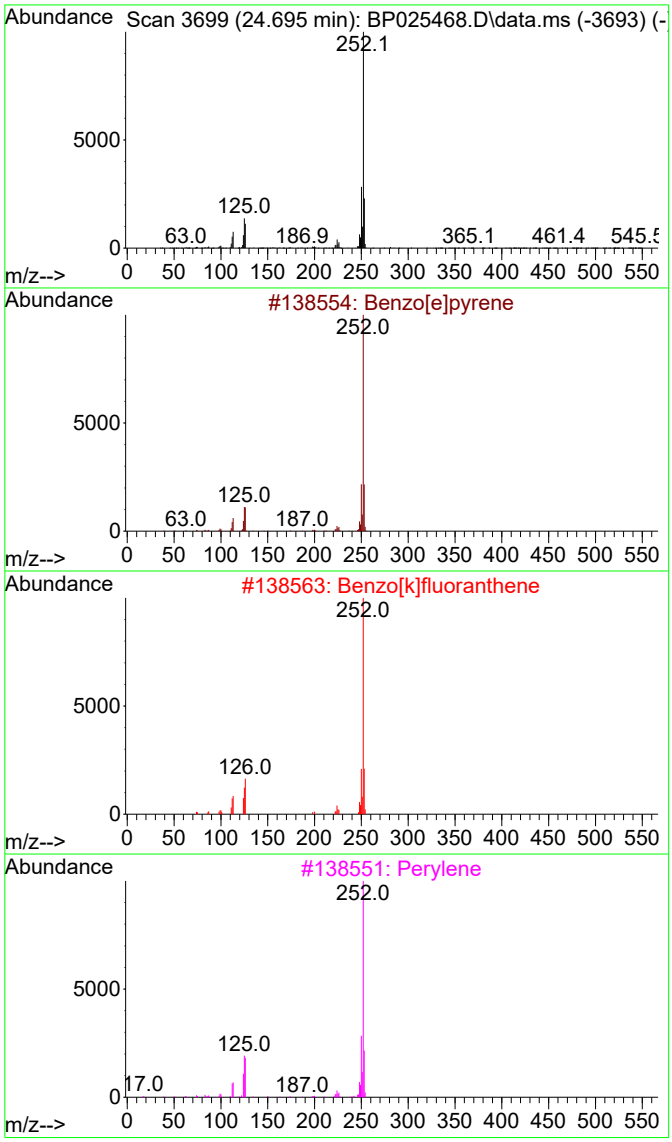
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

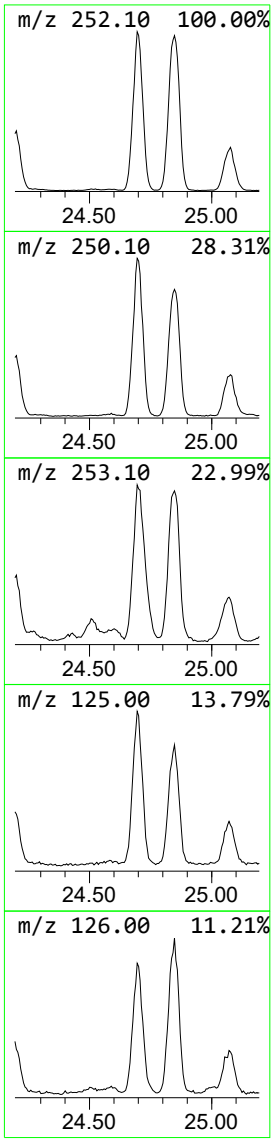
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.695	26.88 ng	3400840	Perylene-d12	24.995

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	Perylene	252	C20H12	000198-55-0	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025468.D
Acq On : 18 Aug 2025 19:39
Operator : CG/JU
Sample : Q2832-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S04

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	7.6	ng	366518	1	7.790	961511	20.0
Benzophenone	15.772	2.6	ng	232675	3	14.401	1793530	20.0
Anthracene, 2-m...	18.101	3.3	ng	352009	4	17.195	2111700	20.0
Phenanthrene, 2...	18.148	6.4	ng	678679	4	17.195	2111700	20.0
Phenanthrene, 1...	18.230	3.1	ng	327766	4	17.195	2111700	20.0
4H-Cyclopenta[d...	18.295	7.5	ng	795725	4	17.195	2111700	20.0
Naphthalene, 2-...	18.613	2.4	ng	254248	4	17.195	2111700	20.0
9,10-Anthracene...	18.654	2.7	ng	284052	4	17.195	2111700	20.0
Phenanthrene, 3...	18.925	2.2	ng	228639	4	17.195	2111700	20.0
Phenanthrene, 2...	19.054	6.3	ng	663590	4	17.195	2111700	20.0
Phenanthrene, 1...	19.107	3.7	ng	395094	4	17.195	2111700	20.0
Cyclopenta(def)...	19.189	5.7	ng	598823	4	17.195	2111700	20.0
Pyrene, 1-methyl-	20.048	3.3	ng	1190780	5	21.624	7268010	20.0
Pyrene, 4-methyl-	20.377	2.9	ng	1036360	5	21.624	7268010	20.0
7H-Benz[de]anth...	21.007	3.2	ng	1153080	5	21.624	7268010	20.0
Benzo[b]naphtho...	21.183	3.0	ng	1071620	5	21.624	7268010	20.0
Cyclopenta[cd]p...	21.277	2.9	ng	1062700	5	21.624	7268010	20.0
11H-Benzo[a]flu...	21.354	2.6	ng	942012	5	21.624	7268010	20.0
Benz[a]anthrace...	22.395	2.2	ng	796941	5	21.624	7268010	20.0
Benzo[e]pyrene	24.695	26.9	ng	3400840	6	24.995	2530440	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025537.D
Acq On : 21 Aug 2025 12:53
Operator : CG/JU
Sample : Q2832-09 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S05

Quant Time: Aug 21 13:49:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

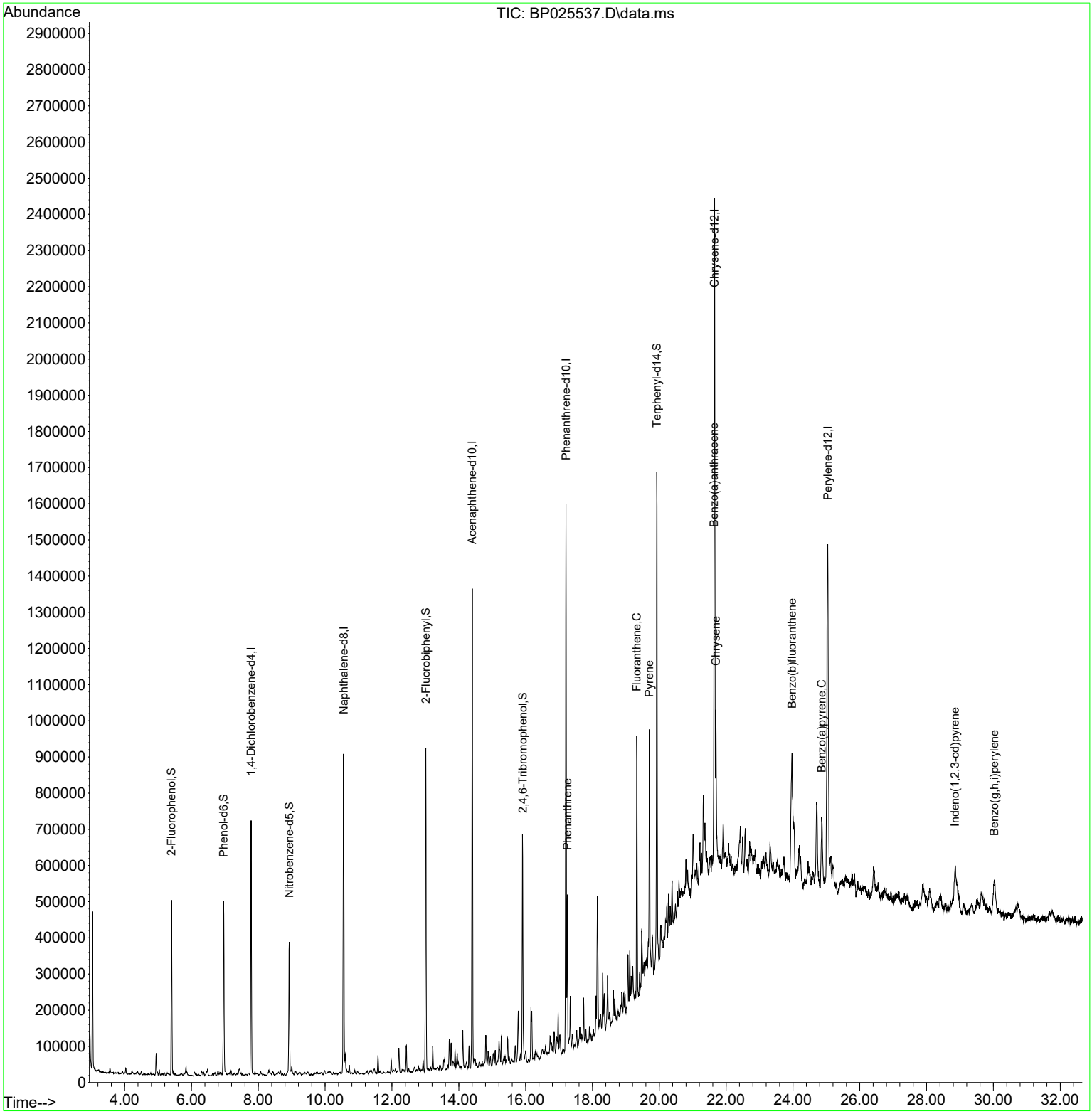
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.784	152	185117	20.000	ng		-0.01
21) Naphthalene-d8	10.554	136	725235	20.000	ng		0.00
39) Acenaphthene-d10	14.401	164	450660	20.000	ng		0.00
64) Phenanthrene-d10	17.207	188	892132	20.000	ng		0.00
76) Chrysene-d12	21.654	240	915666	20.000	ng		0.00
86) Perylene-d12	25.042	264	1087701	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.402	112	206341	18.511	ng		0.00
7) Phenol-d6	6.960	99	277731	19.434	ng		0.00
23) Nitrobenzene-d5	8.925	82	209917	14.642	ng		-0.01
42) 2,4,6-Tribromophenol	15.913	330	107686	17.753	ng		0.00
45) 2-Fluorobiphenyl	13.013	172	507527	15.391	ng		0.00
79) Terphenyl-d14	19.924	244	745273	14.891	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	17.248	178	239345	4.884	ng		99
75) Fluoranthene	19.324	202	429862	7.353	ng		99
78) Pyrene	19.701	202	387173	6.505	ng		100
81) Benzo(a)anthracene	21.636	228	247055	4.091	ng		95
83) Chrysene	21.695	228	295150	5.219	ng		97
87) Indeno(1,2,3-cd)pyrene	28.847	276	199747	2.504	ng	#	95
88) Benzo(b)fluoranthene	23.971	252	443701	6.918	ng		96
90) Benzo(a)pyrene	24.859	252	213524	3.420	ng	#	96
92) Benzo(g,h,i)perylene	30.024	276	197045	3.075	ng		98

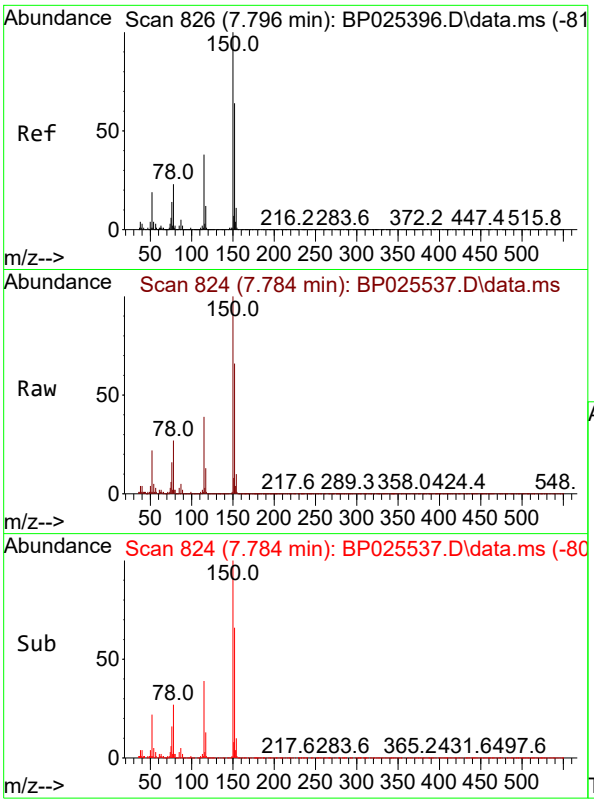
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025537.D
Acq On : 21 Aug 2025 12:53
Operator : CG/JU
Sample : Q2832-09 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S05

Quant Time: Aug 21 13:49:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



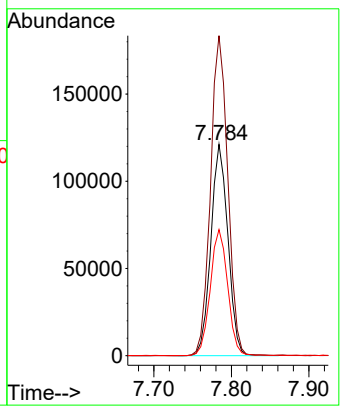


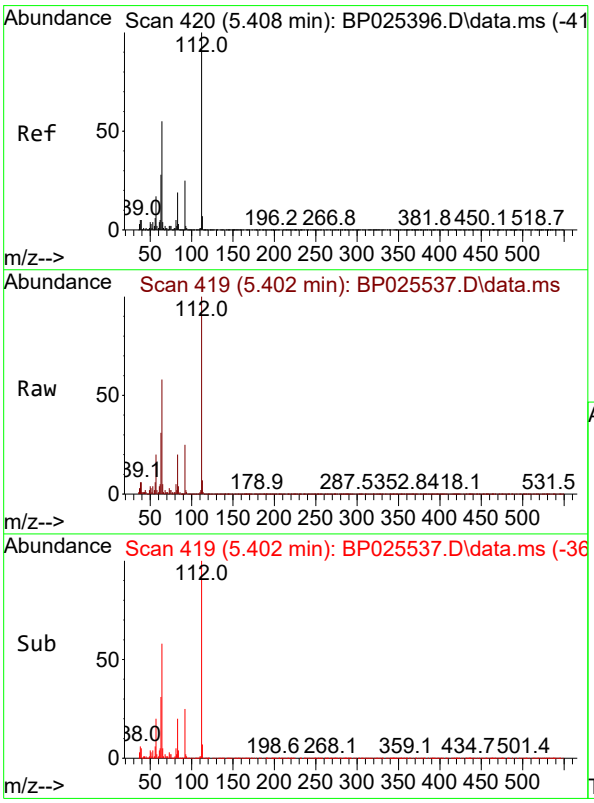
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Instrument :
BNA_P
ClientSampleId :
TG-S05

Tgt Ion:152 Resp: 185117

Ion	Ratio	Lower	Upper
152	100		
150	151.4	125.9	188.9
115	59.7	48.5	72.7

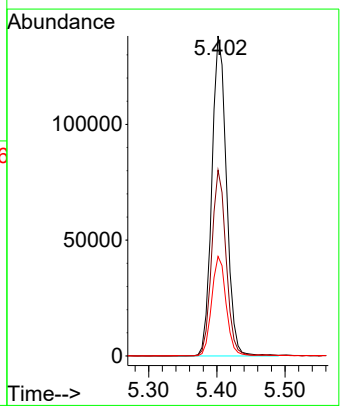


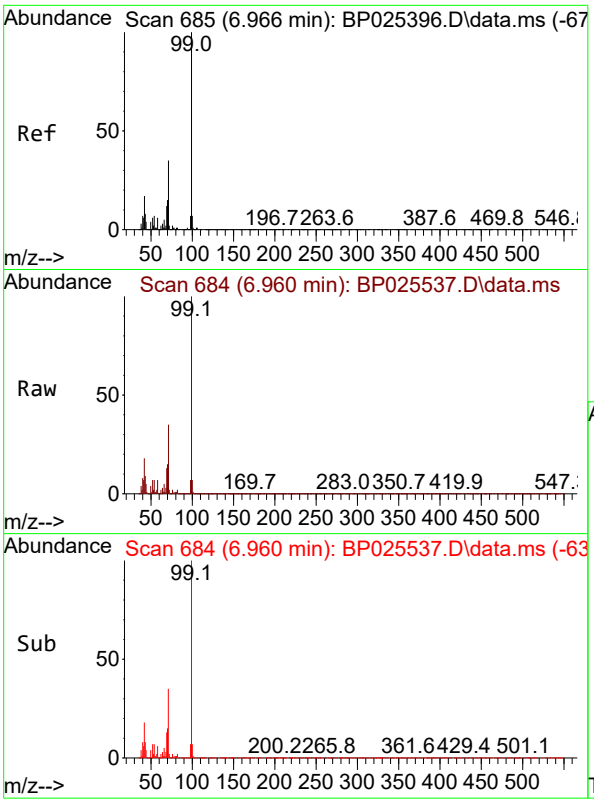


#5
2-Fluorophenol
Concen: 18.511 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Tgt Ion:112 Resp: 206341

Ion	Ratio	Lower	Upper
112	100		
64	58.1	43.8	65.8
63	31.1	22.7	34.1



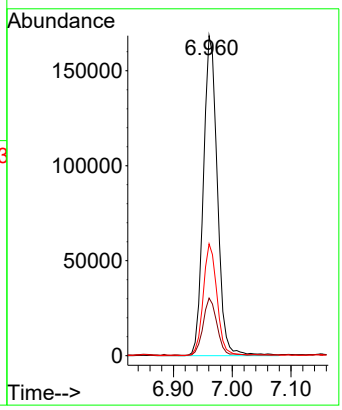


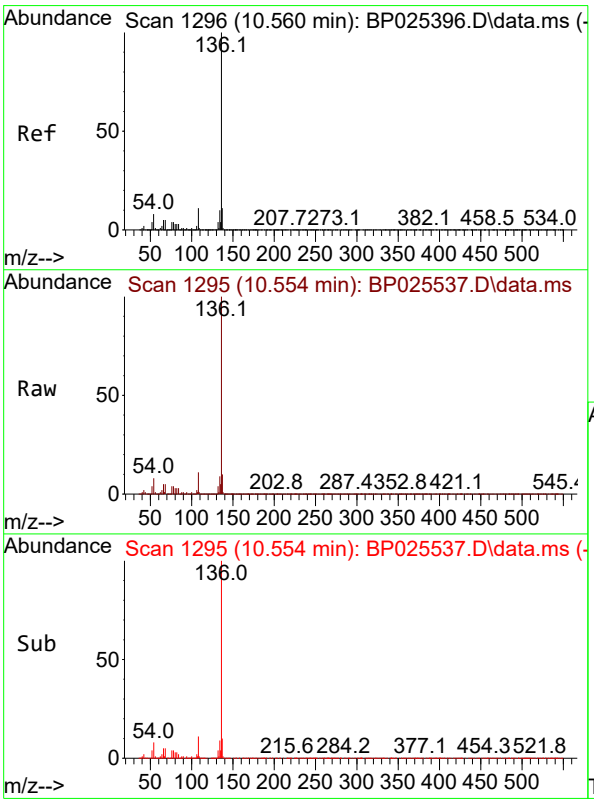
#7
Phenol-d6
Concen: 19.434 ng
RT: 6.960 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Instrument :
BNA_P
ClientSampleId :
TG-S05

Tgt Ion: 99 Resp: 277731

Ion	Ratio	Lower	Upper
99	100		
42	18.0	13.7	20.5
71	35.0	28.2	42.4

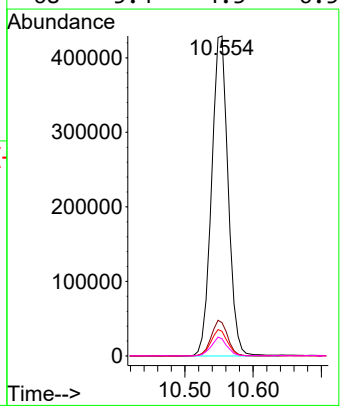


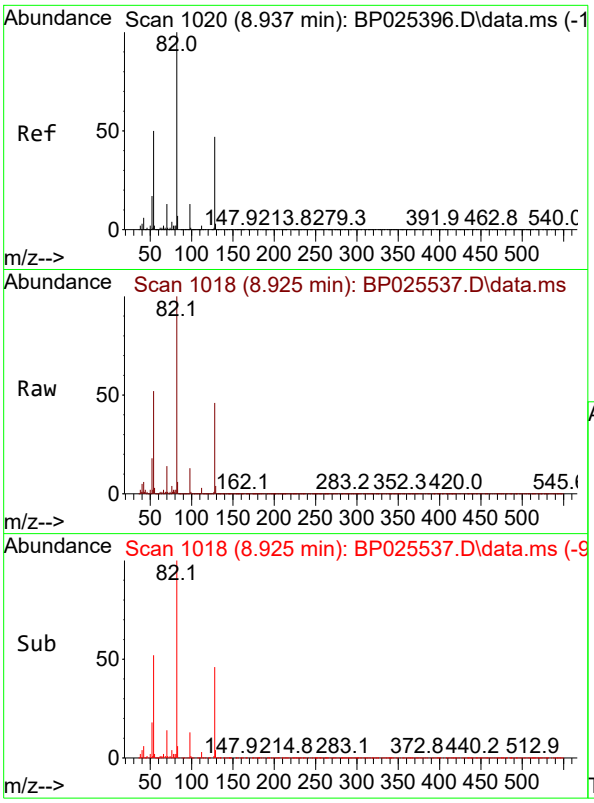


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Tgt Ion:136 Resp: 725235

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	7.7	6.0	9.0
68	5.4	4.3	6.5



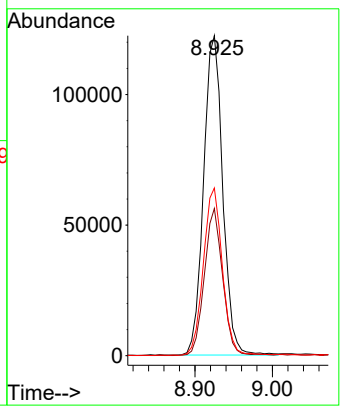


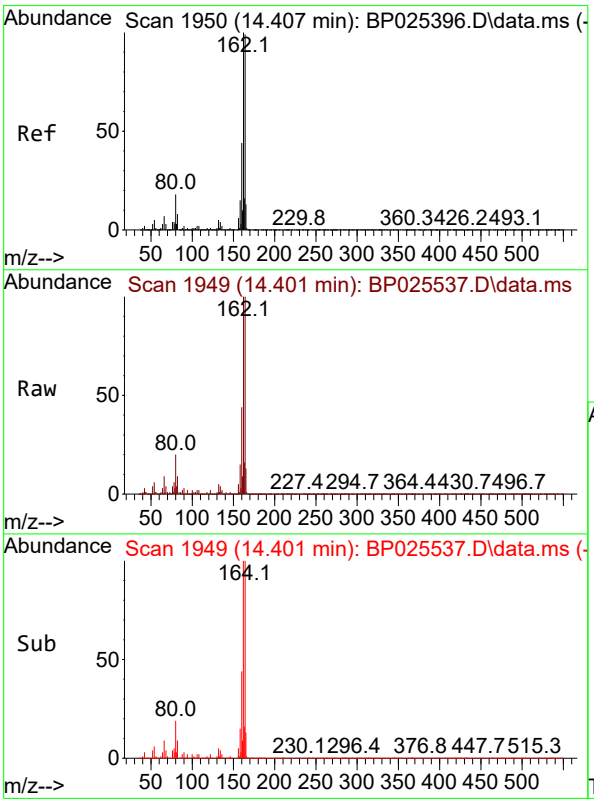
#23
Nitrobenzene-d5
Concen: 14.642 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Instrument :
BNA_P
ClientSampleId :
TG-S05

Tgt Ion: 82 Resp: 209917

Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.7	56.5
54	52.4	39.8	59.6

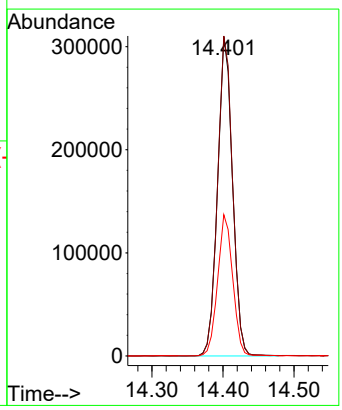


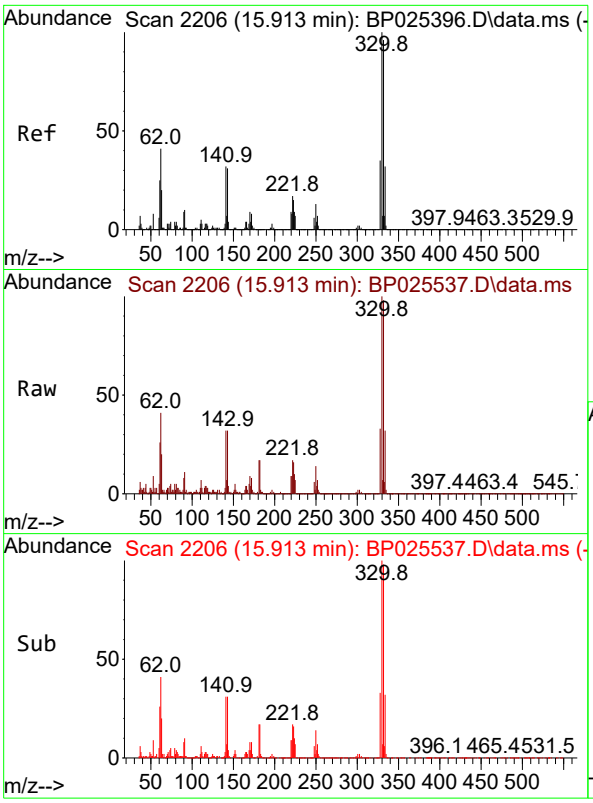


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Tgt Ion:164 Resp: 450660

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.0	121.6
160	44.2	35.4	53.2



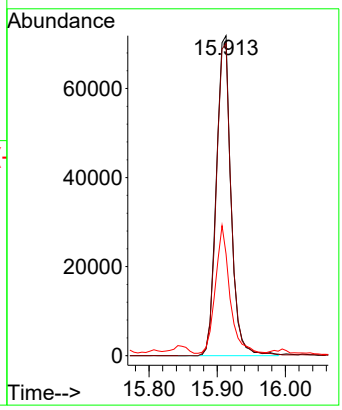


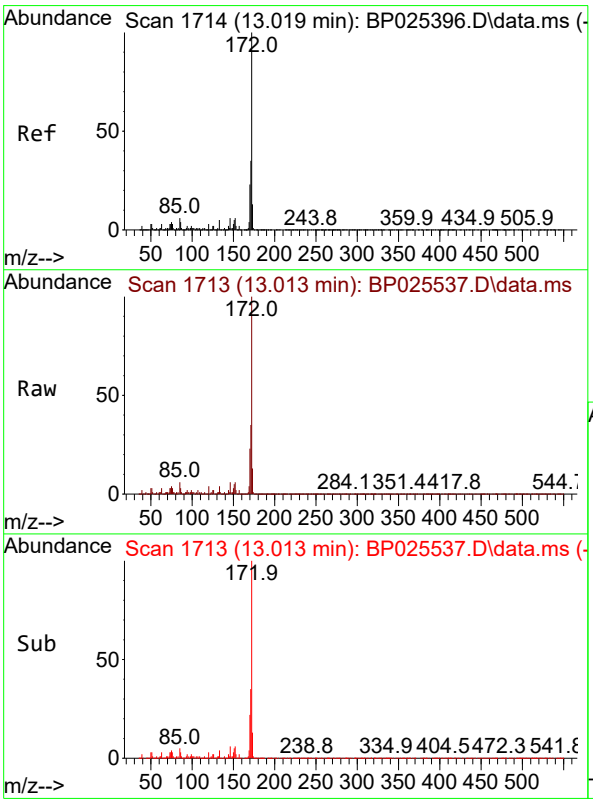
#42
2,4,6-Tribromophenol
Concen: 17.753 ng
RT: 15.913 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Instrument :
BNA_P
ClientSampleId :
TG-S05

Tgt Ion:330 Resp: 107686

Ion	Ratio	Lower	Upper
330	100		
332	98.7	77.3	115.9
141	39.1	26.6	39.8

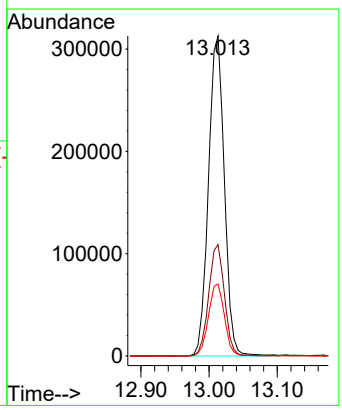


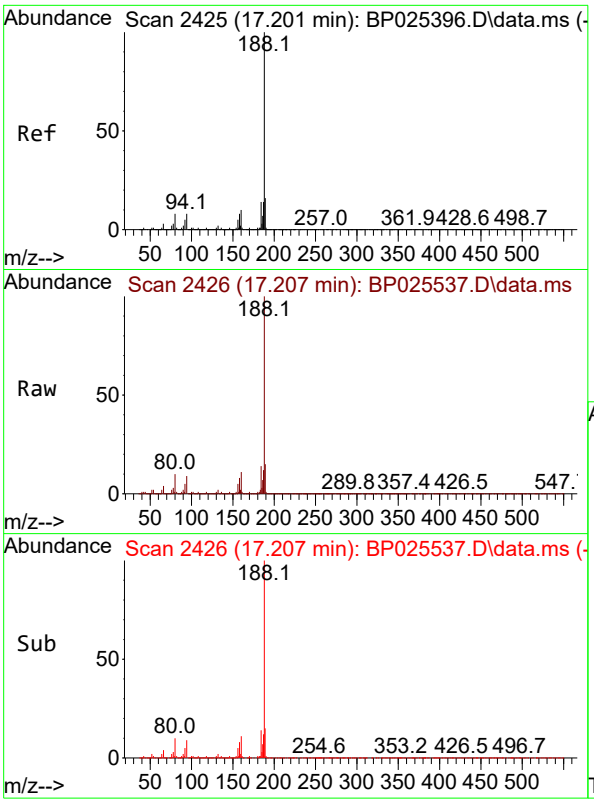


#45
2-Fluorobiphenyl
Concen: 15.391 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Tgt Ion:172 Resp: 507527

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.1	42.1
170	22.5	18.6	28.0



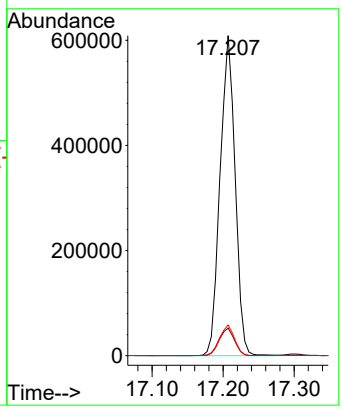


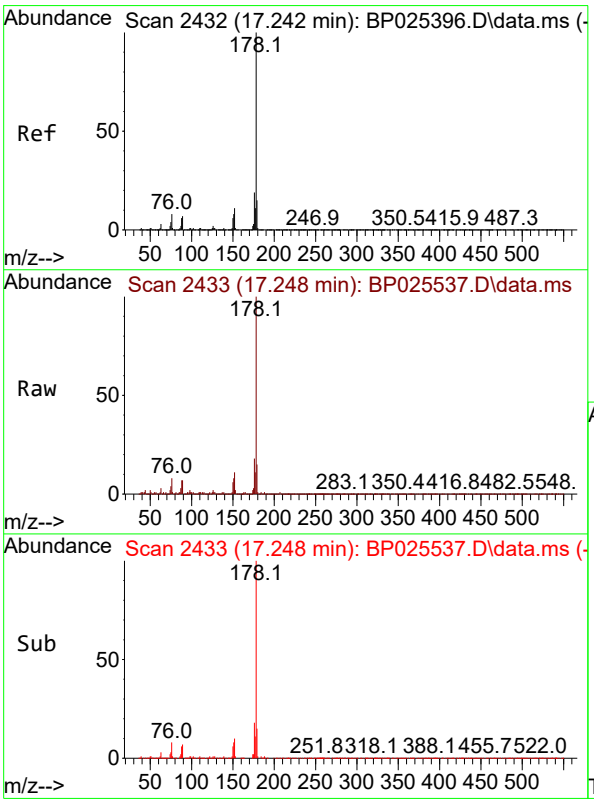
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Instrument :
BNA_P
ClientSampleId :
TG-S05

Tgt Ion:188 Resp: 892132

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.6	6.7	10.1

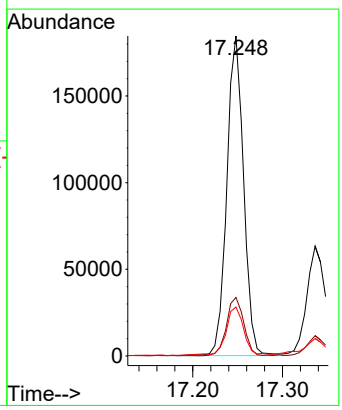


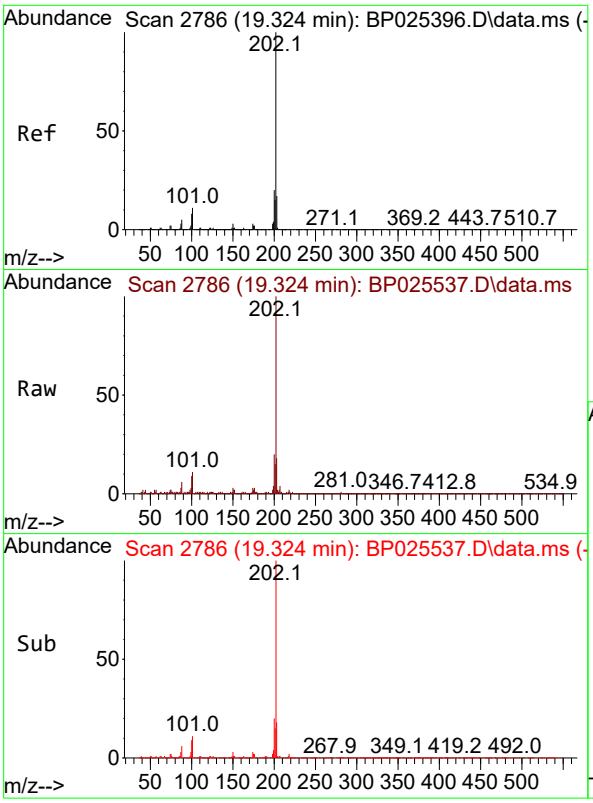


#71
Phenanthrene
Concen: 4.884 ng
RT: 17.248 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Tgt Ion:178 Resp: 239345

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.5	23.3
179	15.3	12.2	18.4



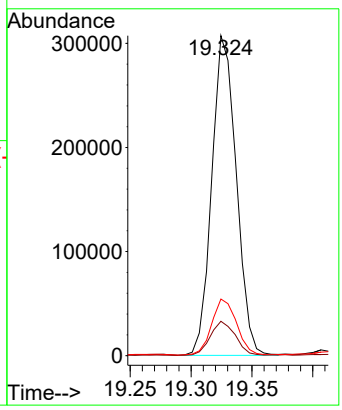


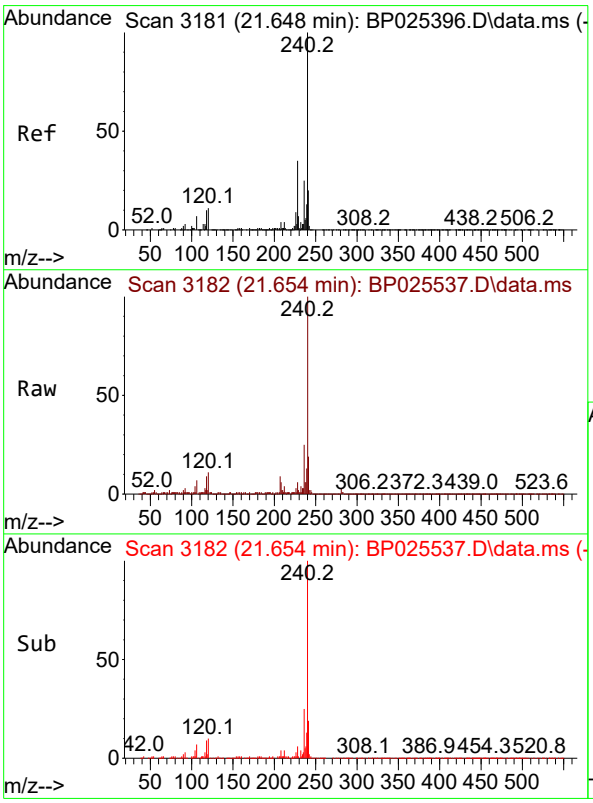
#75
Fluoranthene
Concen: 7.353 ng
RT: 19.324 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Instrument :
BNA_P
ClientSampleId :
TG-S05

Tgt Ion:202 Resp: 429862

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.1
203	17.7	0.0	37.3

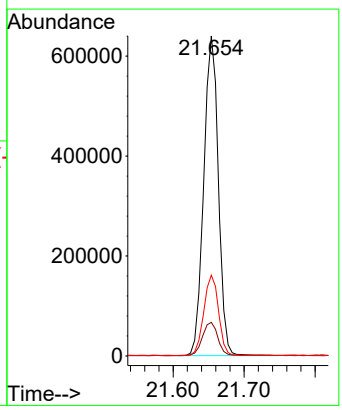


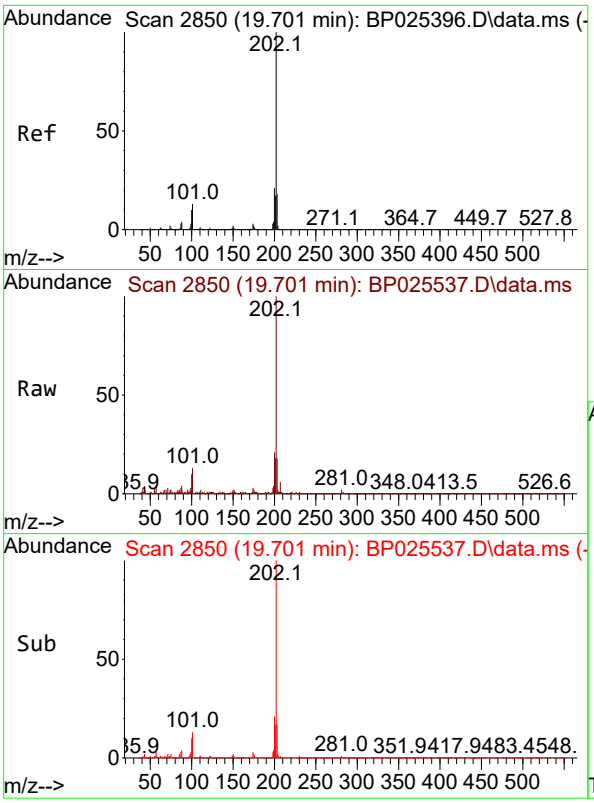


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Tgt Ion:240 Resp: 915666

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.3	19.8	29.8



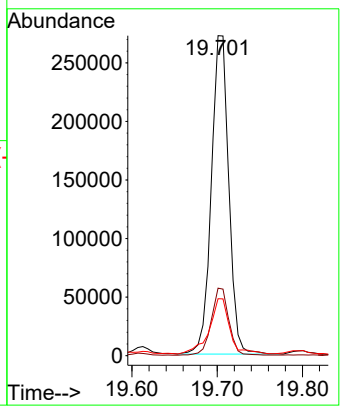


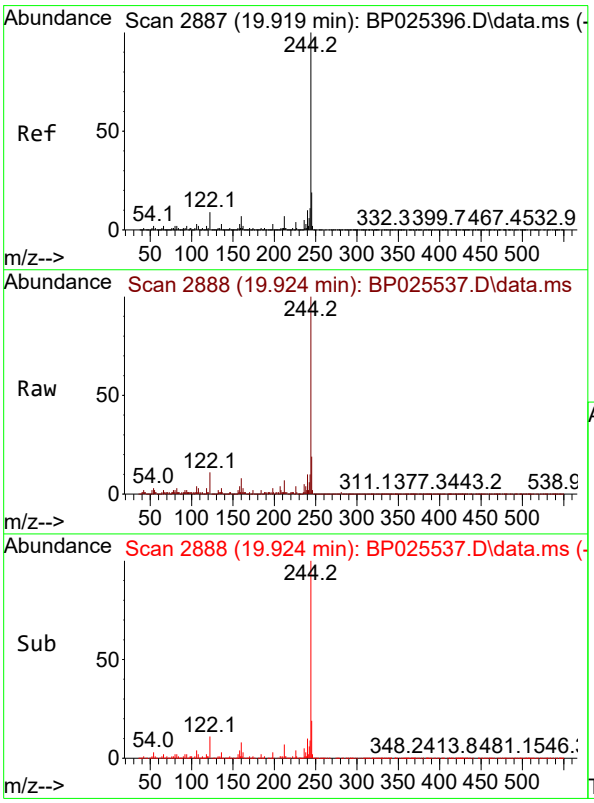
#78
Pyrene
Concen: 6.505 ng
RT: 19.701 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Instrument :
BNA_P
ClientSampleId :
TG-S05

Tgt Ion:202 Resp: 387173

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.8	14.2	21.2

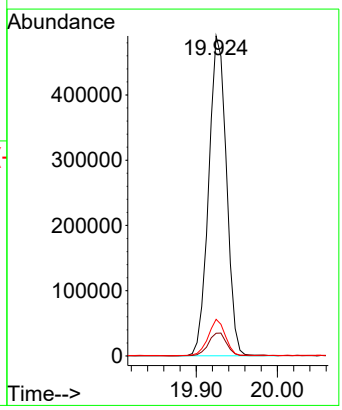


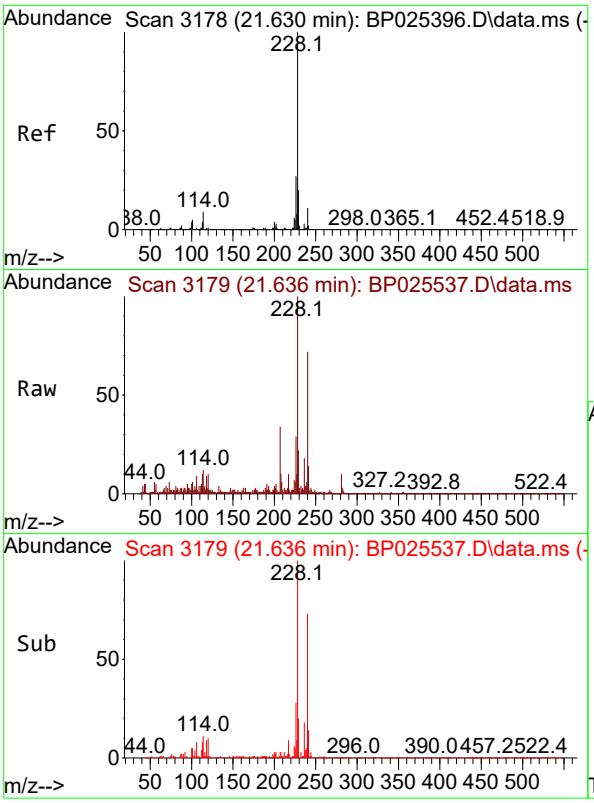


#79
Terphenyl-d14
Concen: 14.891 ng
RT: 19.924 min Scan# 2888
Delta R.T. 0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Tgt Ion:244 Resp: 745273

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	11.5	7.4	11.2#



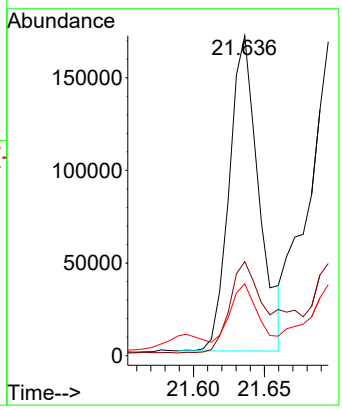


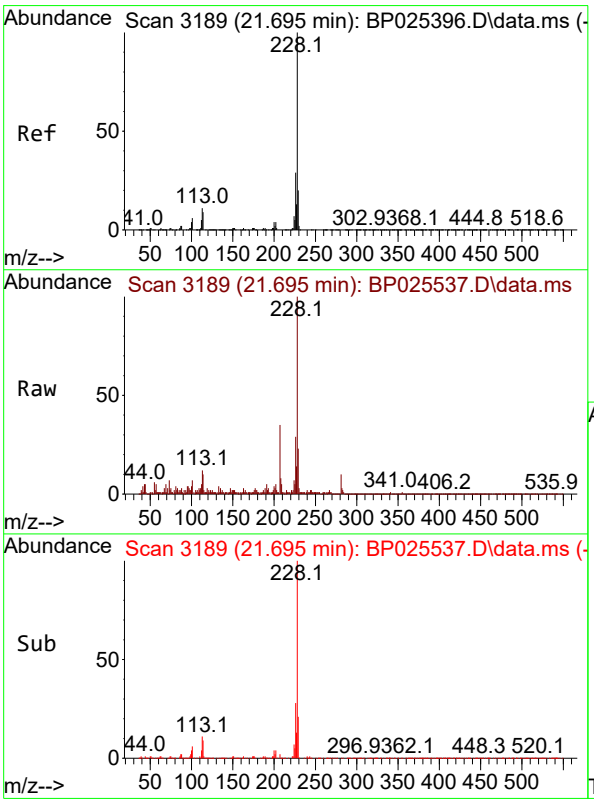
#81
Benzo(a)anthracene
Concen: 4.091 ng
RT: 21.636 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Instrument :
BNA_P
ClientSampleId :
TG-S05

Tgt Ion:228 Resp: 247055

Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.7	32.5
229	22.4	15.6	23.4

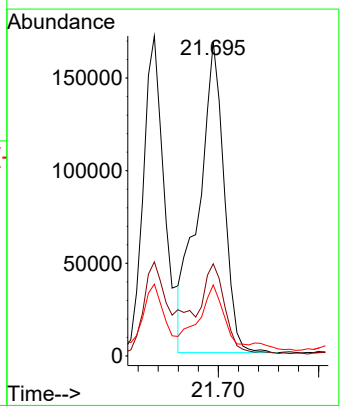


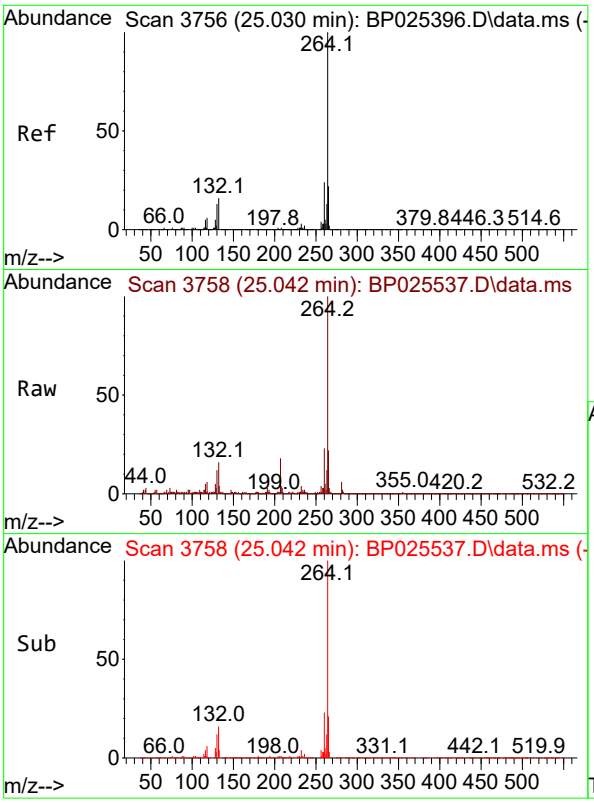


#83
Chrysene
Concen: 5.219 ng
RT: 21.695 min Scan# 3189
Delta R.T. -0.000 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Tgt Ion:228 Resp: 295150

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.2	34.8
229	22.6	15.6	23.4



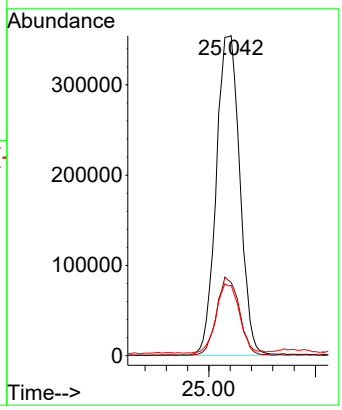


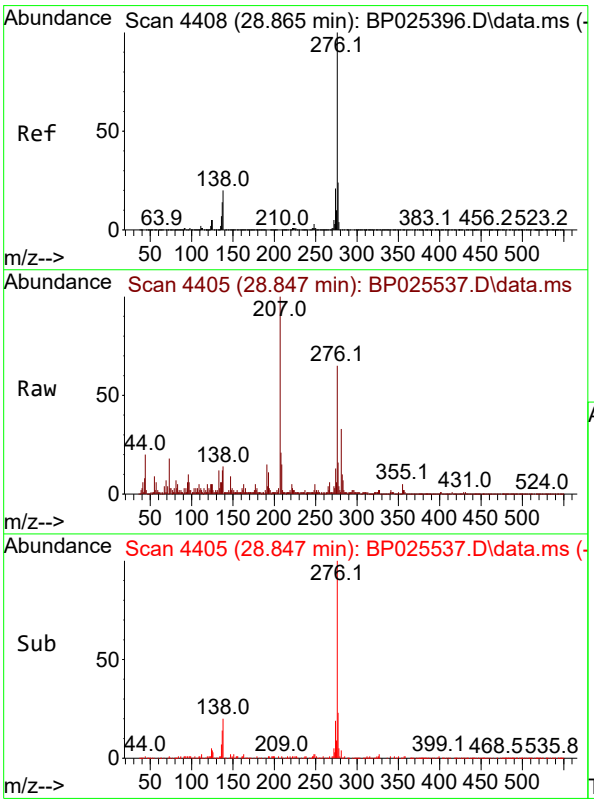
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Instrument :
BNA_P
ClientSampleId :
TG-S05

Tgt Ion:264 Resp: 1087701

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.3	28.9
265	22.0	17.4	26.0

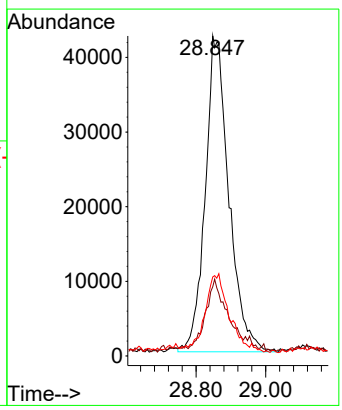


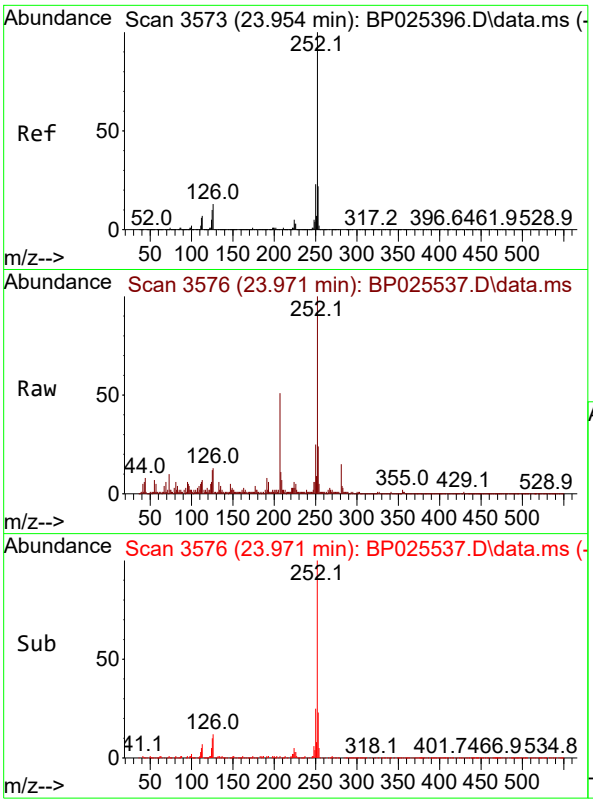


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.504 ng
RT: 28.847 min Scan# 4405
Delta R.T. -0.018 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Tgt Ion:276 Resp: 199747

Ion	Ratio	Lower	Upper
276	100		
138	19.4	12.9	19.3#
277	22.6	17.0	25.6



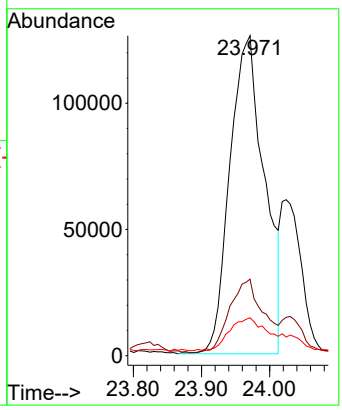


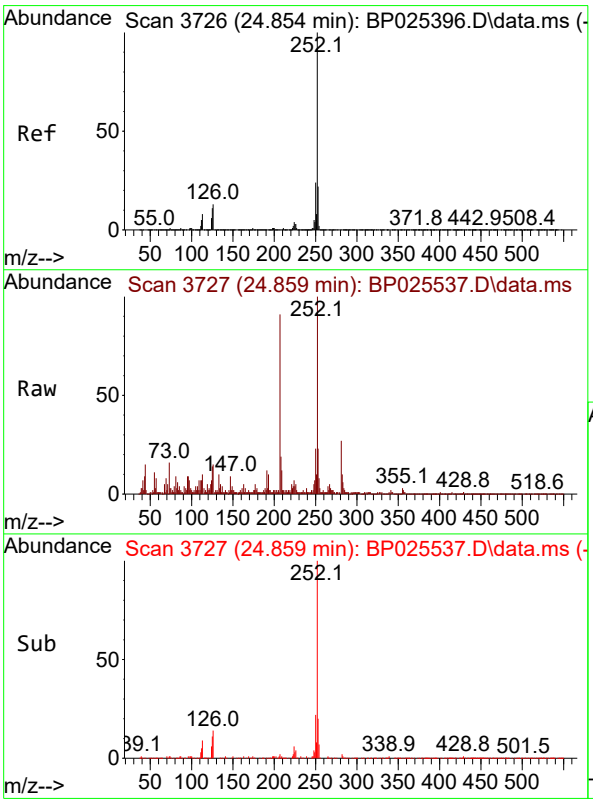
#88
Benzo(b)fluoranthene
Concen: 6.918 ng
RT: 23.971 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Instrument :
BNA_P
ClientSampleId :
TG-S05

Tgt Ion:252 Resp: 443701

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	11.9	7.9	11.9

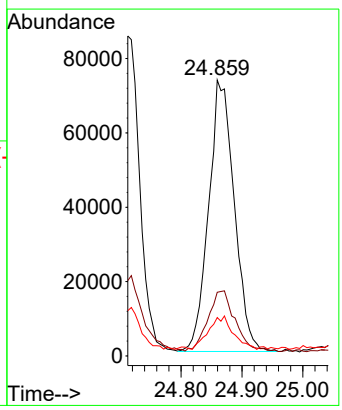


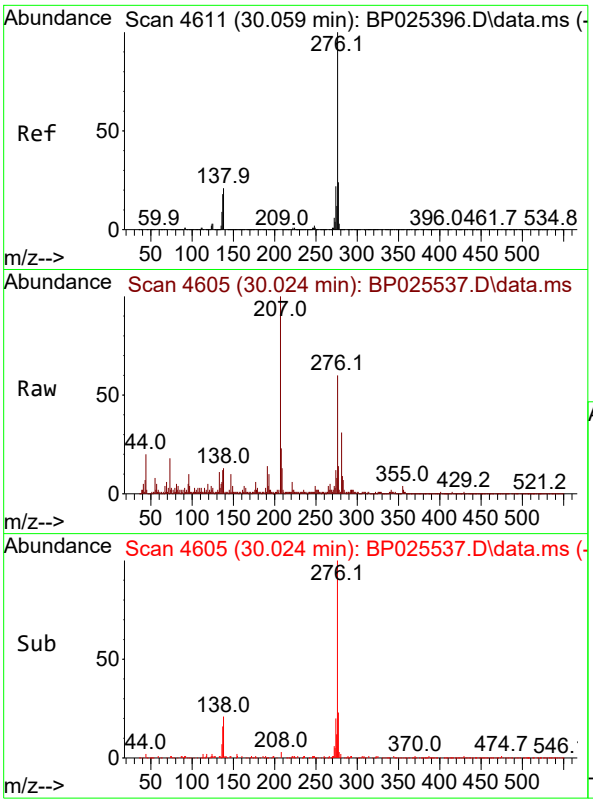


#90
Benzo(a)pyrene
Concen: 3.420 ng
RT: 24.859 min Scan# 3727
Delta R.T. 0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Tgt Ion:252 Resp: 213524

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	13.9	8.7	13.1#



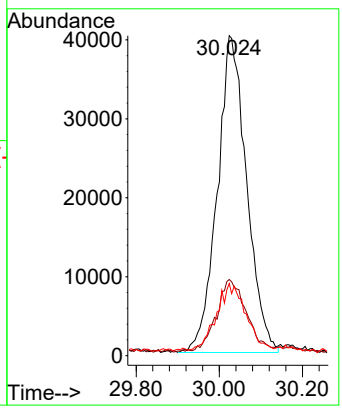


#92
Benzo(g,h,i)perylene
Concen: 3.075 ng
RT: 30.024 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Instrument :
BNA_P
ClientSampleId :
TG-S05

Tgt Ion:276 Resp: 197045

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	22.6	16.7	25.1



Sample Results: **BP025537.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025537.D
Acq On : 21 Aug 2025 12:53
Operator : CG/JU
Sample : Q2832-09 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S05

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

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

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

Signal : TIC: BP025537.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.037	12	17	27	rVB	435473	539999	16.49%	1.783%
2	4.943	335	341	346	rBV	60640	91587	2.80%	0.302%
3	5.402	413	419	427	rBV	483160	716141	21.87%	2.365%
4	5.837	486	493	496	rBV3	20678	33725	1.03%	0.111%
5	6.790	646	655	661	rBV3	13083	35844	1.09%	0.118%
6	6.960	676	684	692	rBV	479602	802470	24.51%	2.650%
7	7.443	755	766	769	rBV2	16103	39805	1.22%	0.131%
8	7.784	817	824	833	rBV	703300	1098528	33.55%	3.627%
9	8.925	1008	1018	1024	rBV	361507	609303	18.61%	2.012%
10	10.548	1286	1294	1300	rBV	882847	1522593	46.50%	5.028%
11	10.601	1300	1303	1308	rVB	46598	70360	2.15%	0.232%
12	10.719	1319	1323	1329	rVB2	23778	35827	1.09%	0.118%
13	11.472	1443	1451	1457	rBV10	13306	35603	1.09%	0.118%
14	11.584	1464	1470	1475	rBV	50356	85504	2.61%	0.282%
15	11.978	1532	1537	1542	rBV	36817	60654	1.85%	0.200%
16	12.207	1570	1576	1584	rVB	68753	130471	3.98%	0.431%
17	12.431	1608	1614	1619	rBV	73875	118369	3.62%	0.391%
18	12.672	1647	1655	1661	rBV9	14426	38190	1.17%	0.126%
19	12.931	1695	1699	1705	rVB	31823	51535	1.57%	0.170%
20	13.013	1705	1713	1722	rBV	895563	1492890	45.60%	4.930%
21	13.219	1741	1748	1753	rBV	67626	101619	3.10%	0.336%
22	13.554	1800	1805	1806	rBV2	25439	36178	1.10%	0.119%
23	13.719	1828	1833	1838	rBV2	77238	126089	3.85%	0.416%
24	13.772	1838	1842	1847	rVB	65704	87583	2.67%	0.289%
25	13.819	1847	1850	1858	rBV8	15387	33135	1.01%	0.109%
26	13.889	1858	1862	1866	rVB2	46672	67109	2.05%	0.222%
27	13.954	1866	1873	1876	rBV2	39565	71280	2.18%	0.235%
28	14.119	1896	1901	1908	rVB	100631	142732	4.36%	0.471%
29	14.231	1915	1920	1926	rVB9	16696	33490	1.02%	0.111%
30	14.307	1929	1933	1937	rVB	63156	78064	2.38%	0.258%
31	14.401	1940	1949	1955	rBV	1326389	1979410	60.46%	6.536%
32	14.807	2013	2018	2025	rVB2	79297	132760	4.05%	0.438%
33	14.878	2025	2030	2035	rVB2	40774	64716	1.98%	0.214%
34	14.948	2036	2042	2048	rVB6	27072	51636	1.58%	0.171%
35	15.031	2050	2056	2057	rBV3	32456	48808	1.49%	0.161%
36	15.089	2062	2066	2070	rVB2	39904	48538	1.48%	0.160%

Sample Results: **BP025537.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025537.D
Acq On : 21 Aug 2025 12:53
Operator : CG/JU
Sample : Q2832-09 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S05

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

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

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

37	15.207	2080	2086	2094	rVV4	57156	145680	4.45%	0.481%
38	15.272	2094	2097	2102	rVB2	75853	103169	3.15%	0.341%
39	15.460	2125	2129	2133	rBV2	64381	99158	3.03%	0.327%
40	15.501	2134	2136	2143	rVB5	21852	39943	1.22%	0.132%
41	15.689	2163	2168	2172	rBV2	45008	69840	2.13%	0.231%
42	15.778	2176	2183	2191	rVB2	138017	260236	7.95%	0.859%
43	15.907	2199	2205	2215	rBV2	624236	984798	30.08%	3.252%
44	16.001	2215	2221	2230	rVB5	32135	80078	2.45%	0.264%
45	16.160	2243	2248	2249	rBV2	146577	156367	4.78%	0.516%
46	16.183	2250	2252	2257	rVB	132177	159653	4.88%	0.527%
47	16.295	2267	2271	2276	rBV6	20870	44291	1.35%	0.146%
48	16.730	2341	2345	2350	rBV5	46718	87925	2.69%	0.290%
49	16.854	2362	2366	2373	rVB4	58678	100877	3.08%	0.333%
50	16.930	2374	2379	2383	rVV3	45292	103696	3.17%	0.342%
51	16.972	2383	2386	2390	rVV2	115293	160703	4.91%	0.531%
52	17.025	2390	2395	2403	rVB5	53388	121387	3.71%	0.401%
53	17.207	2419	2426	2430	rBV	1513500	2252062	68.78%	7.436%
54	17.248	2430	2433	2438	rVB	413657	516615	15.78%	1.706%
55	17.336	2444	2448	2454	rVB	139630	193506	5.91%	0.639%
56	17.395	2455	2458	2465	rVB6	36662	67145	2.05%	0.222%
57	17.619	2493	2496	2500	rVB	34078	39412	1.20%	0.130%
58	17.736	2513	2516	2521	rVB2	118918	132936	4.06%	0.439%
59	17.801	2525	2527	2532	rVB	37526	44629	1.36%	0.147%
60	17.907	2543	2545	2550	rVB5	37214	39843	1.22%	0.132%
61	18.107	2575	2579	2581	rBV	100088	114139	3.49%	0.377%
62	18.148	2581	2586	2593	rVB2	366656	686801	20.98%	2.268%
63	18.307	2608	2613	2617	rBV2	151435	258114	7.88%	0.852%
64	18.354	2617	2621	2628	rVB	100502	155627	4.75%	0.514%
65	18.454	2633	2638	2645	rVV	123501	193144	5.90%	0.638%
66	18.624	2664	2667	2671	rBV	73421	95418	2.91%	0.315%
67	18.666	2671	2674	2682	rVB3	58206	99527	3.04%	0.329%
68	18.936	2716	2720	2723	rBV	49611	68858	2.10%	0.227%
69	19.060	2737	2741	2746	rBV2	137320	222361	6.79%	0.734%
70	19.119	2747	2751	2755	rVV2	142908	211139	6.45%	0.697%
71	19.160	2756	2758	2762	rVV2	68466	89633	2.74%	0.296%
72	19.207	2763	2766	2773	rVB3	89961	146998	4.49%	0.485%
73	19.324	2782	2786	2795	rVB	720853	1035305	31.62%	3.419%
74	19.472	2808	2811	2818	rBV3	135833	250524	7.65%	0.827%
75	19.707	2846	2851	2860	rVB	658365	976179	29.81%	3.223%
76	19.924	2883	2888	2899	rVB	1351515	2158007	65.91%	7.126%

Sample Results: **BP025537.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025537.D
Acq On : 21 Aug 2025 12:53
Operator : CG/JU
Sample : Q2832-09 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S05

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

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

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

77	20.271	2945	2947	2952	rBV3	106804	133935	4.09%	0.442%
78	21.318	3122	3125	3130	rBV4	158106	249019	7.61%	0.822%
79	21.654	3175	3182	3186	rBV2	1817233	3274151	100.00%	10.811%
80	21.695	3187	3189	3200	rVB	407773	564333	17.24%	1.863%
81	25.042	3749	3758	3766	rVB2	887974	2584560	78.94%	8.534%

Sum of corrected areas: 30284266

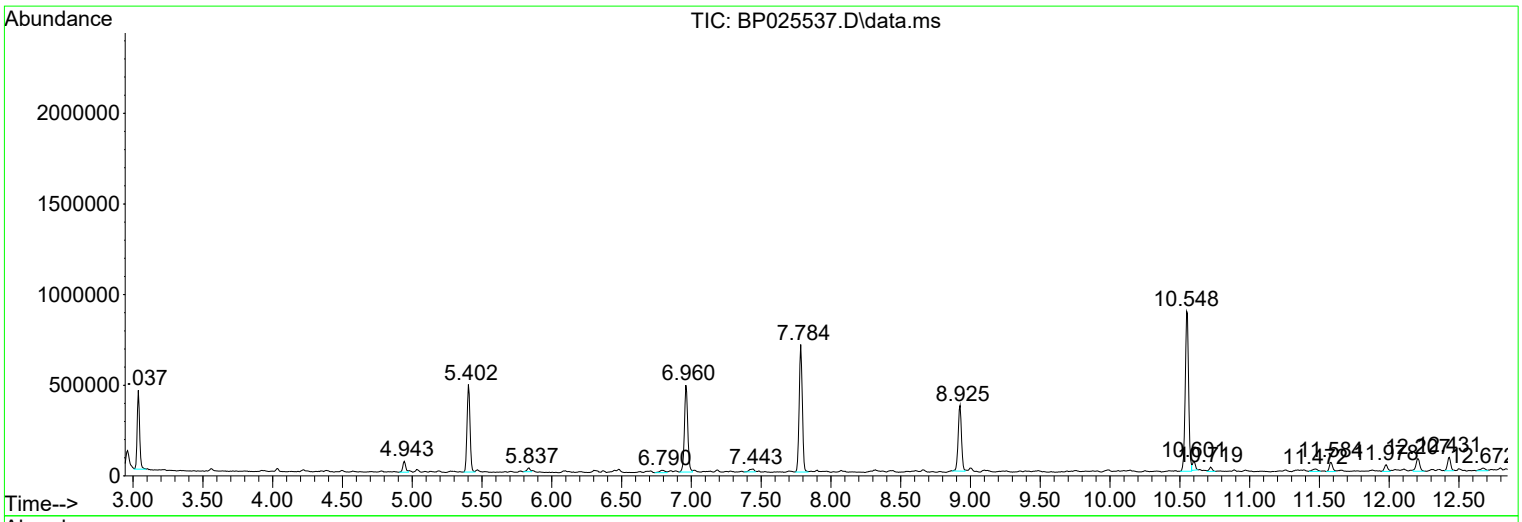
Sample Results: **BP025537.D**

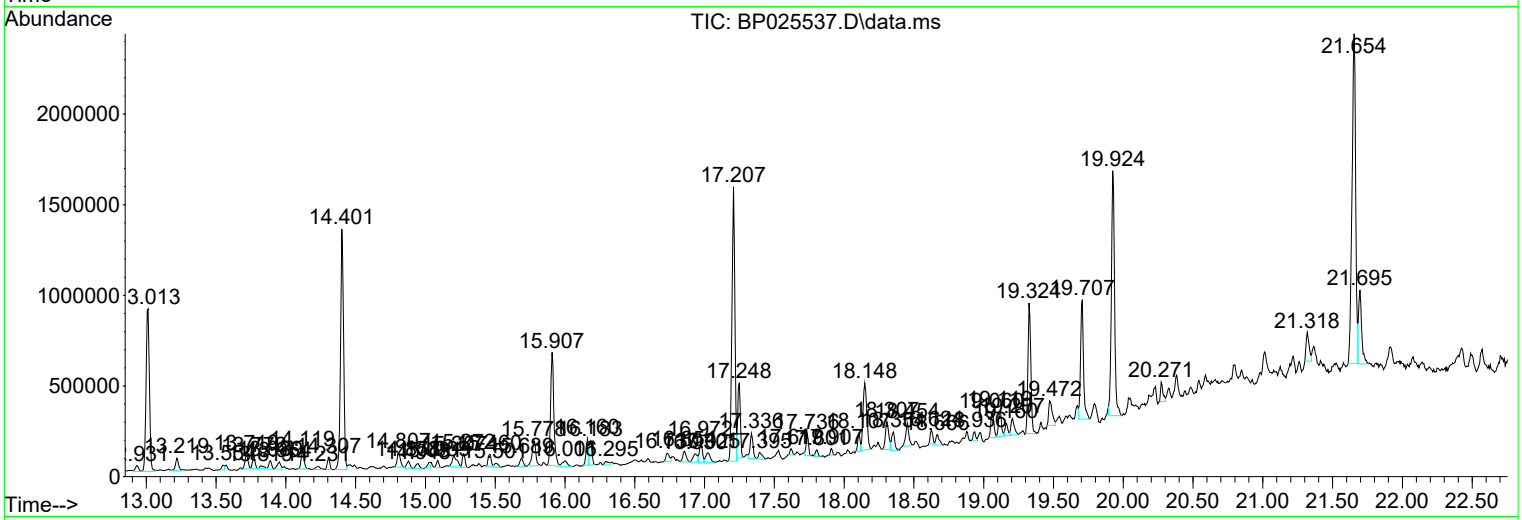
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025537.D
Acq On : 21 Aug 2025 12:53
Operator : CG/JU
Sample : Q2832-09 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

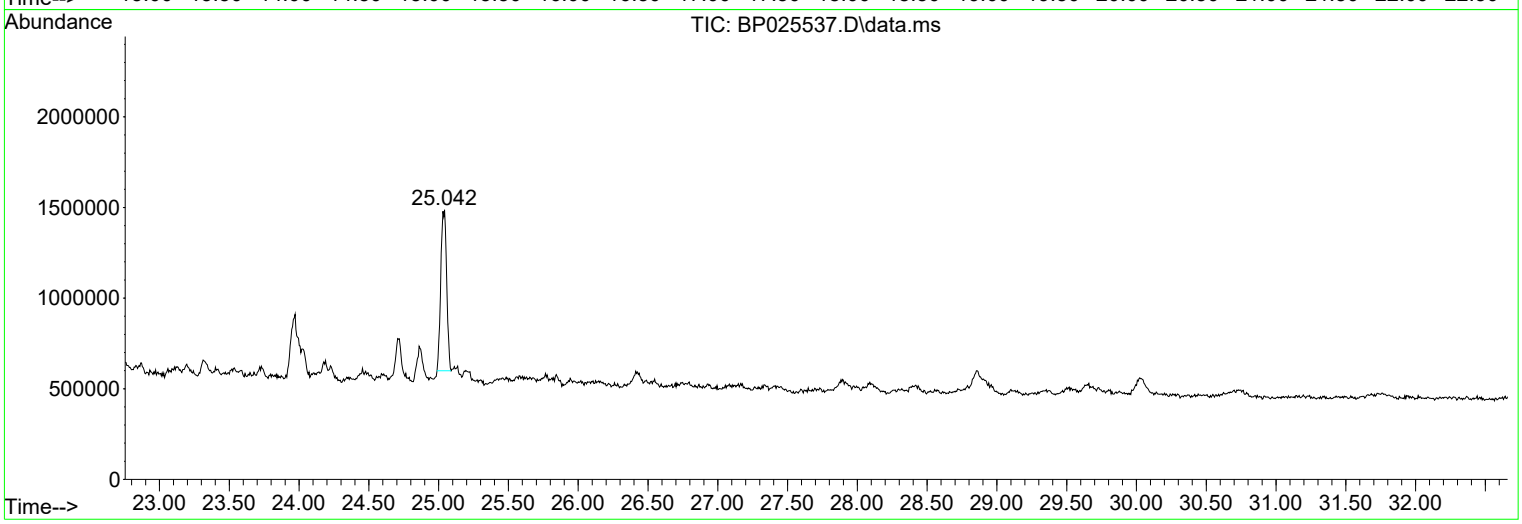
Instrument :
BNA_P
ClientSampleId :
TG-S05

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025537.D
Acq On : 21 Aug 2025 12:53
Operator : CG/JU
Sample : Q2832-09 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S05

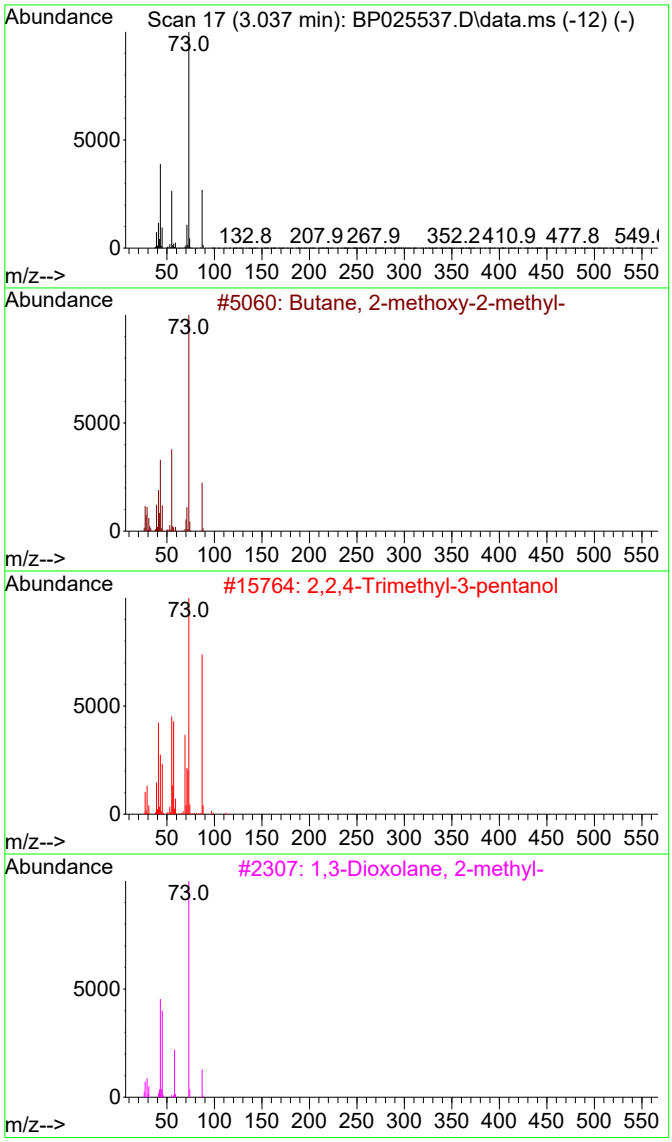
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

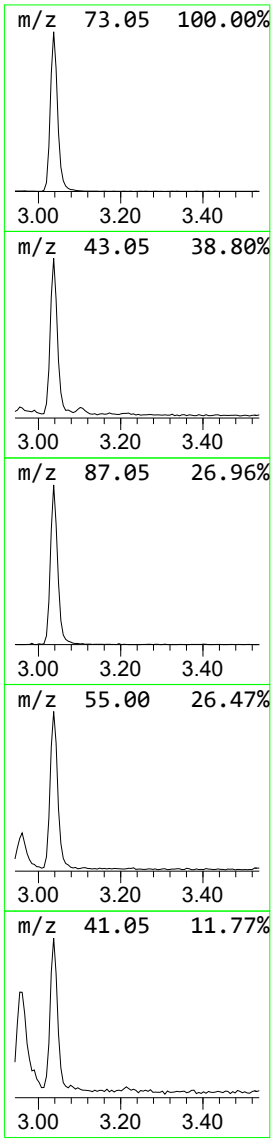
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.037	9.83 ng	539999	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025537.D
Acq On : 21 Aug 2025 12:53
Operator : CG/JU
Sample : Q2832-09 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S05

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

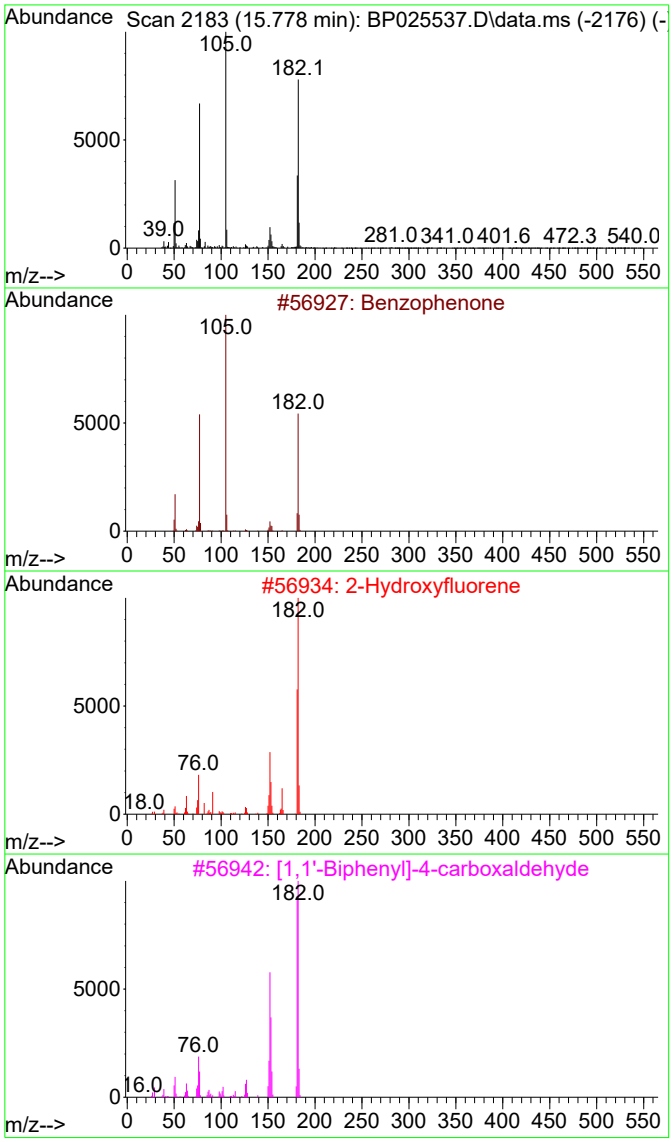
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

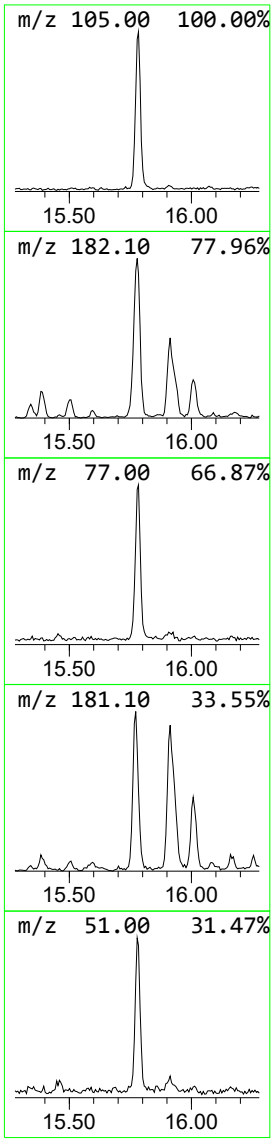
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.778	2.63 ng	260236	Acenaphthene-d10	14.401

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	93
2	2-Hydroxyfluorene	182	C13H10O	002443-58-5	53
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	53
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	47
5	Phenazine, 5,10-dihydro-	182	C12H10N2	000613-32-1	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025537.D
Acq On : 21 Aug 2025 12:53
Operator : CG/JU
Sample : Q2832-09 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S05

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

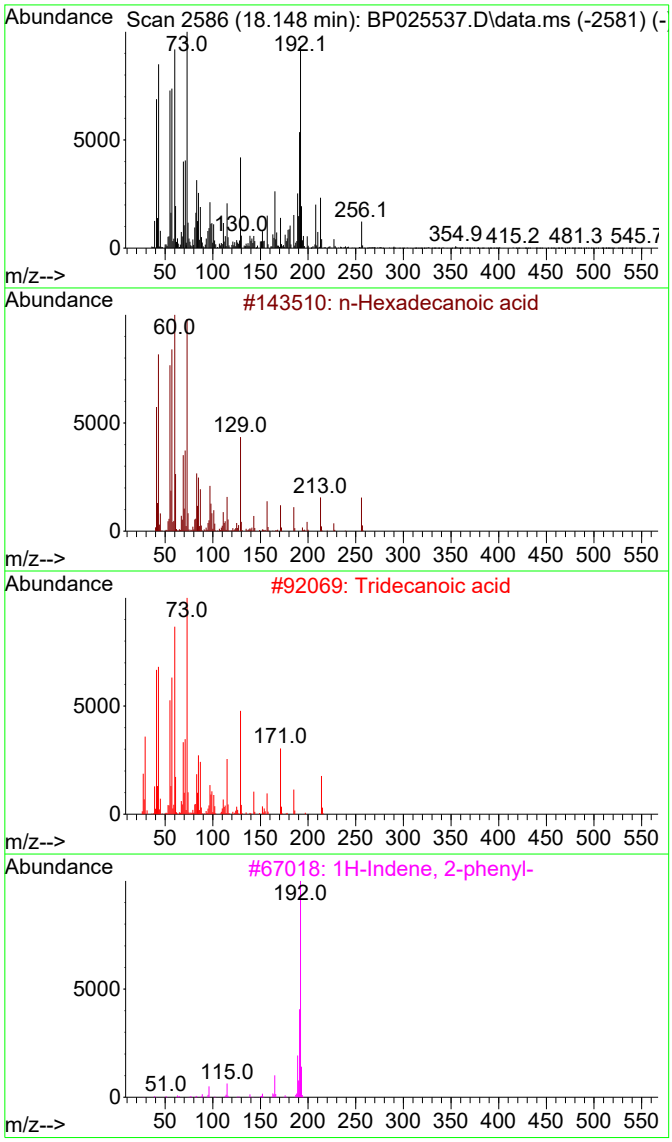
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

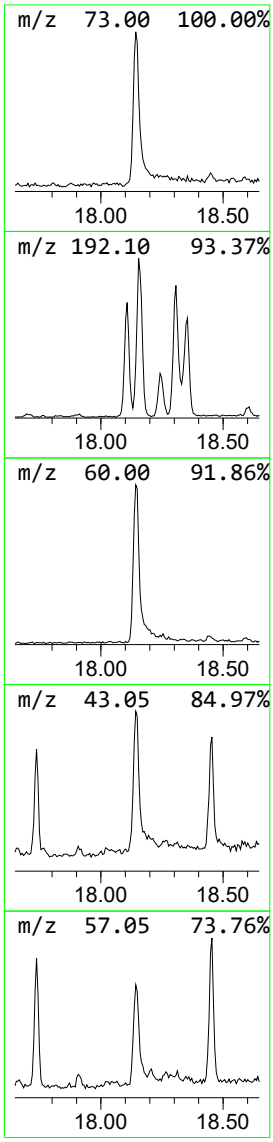
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.148	6.10 ng	686801	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	78
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	58
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	52
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025537.D
Acq On : 21 Aug 2025 12:53
Operator : CG/JU
Sample : Q2832-09 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S05

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

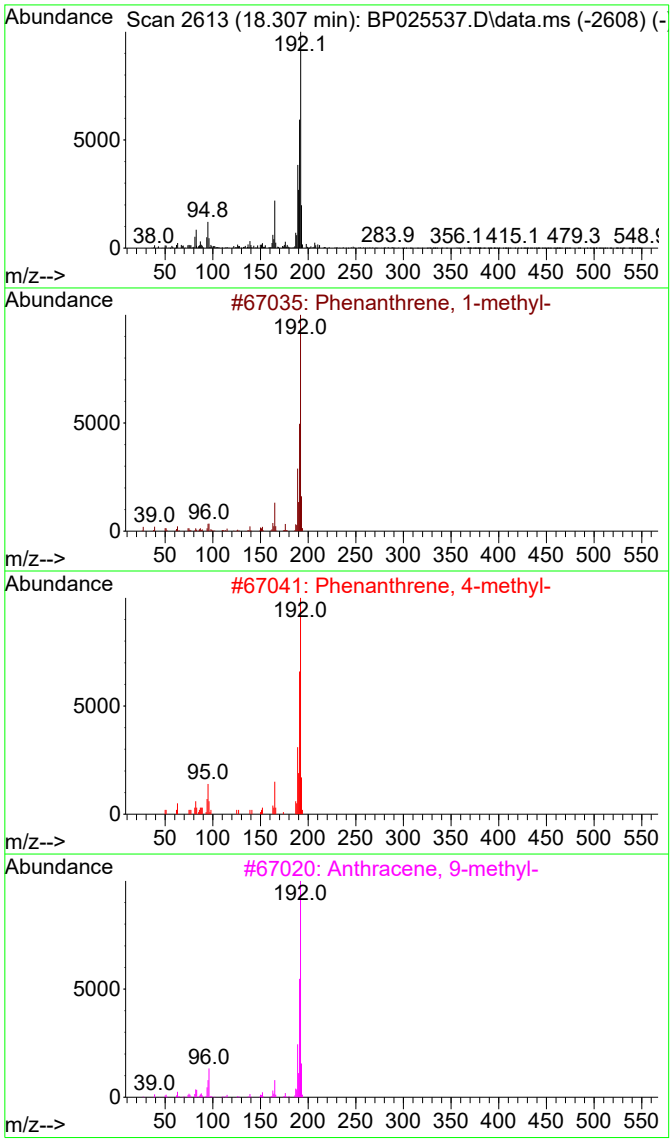
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

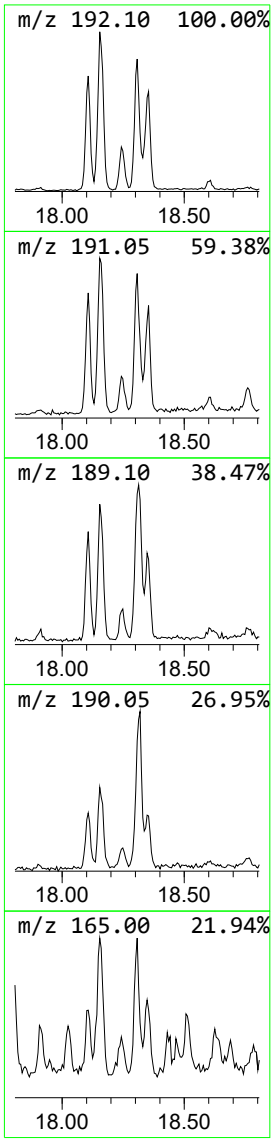
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.307	2.29 ng	258114	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025537.D
Acq On : 21 Aug 2025 12:53
Operator : CG/JU
Sample : Q2832-09 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TG-S05

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.037	9.8	ng	539999	1	7.784	1098530	20.0
Benzophenone	15.778	2.6	ng	260236	3	14.401	1979410	20.0
n-Hexadecanoic ...	18.148	6.1	ng	686801	4	17.207	2252060	20.0
Phenanthrene, 1...	18.307	2.3	ng	258114	4	17.207	2252060	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025406.D
Acq On : 14 Aug 2025 23:37
Operator : CG/JU
Sample : PB169228BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Quant Time: Aug 15 01:38:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

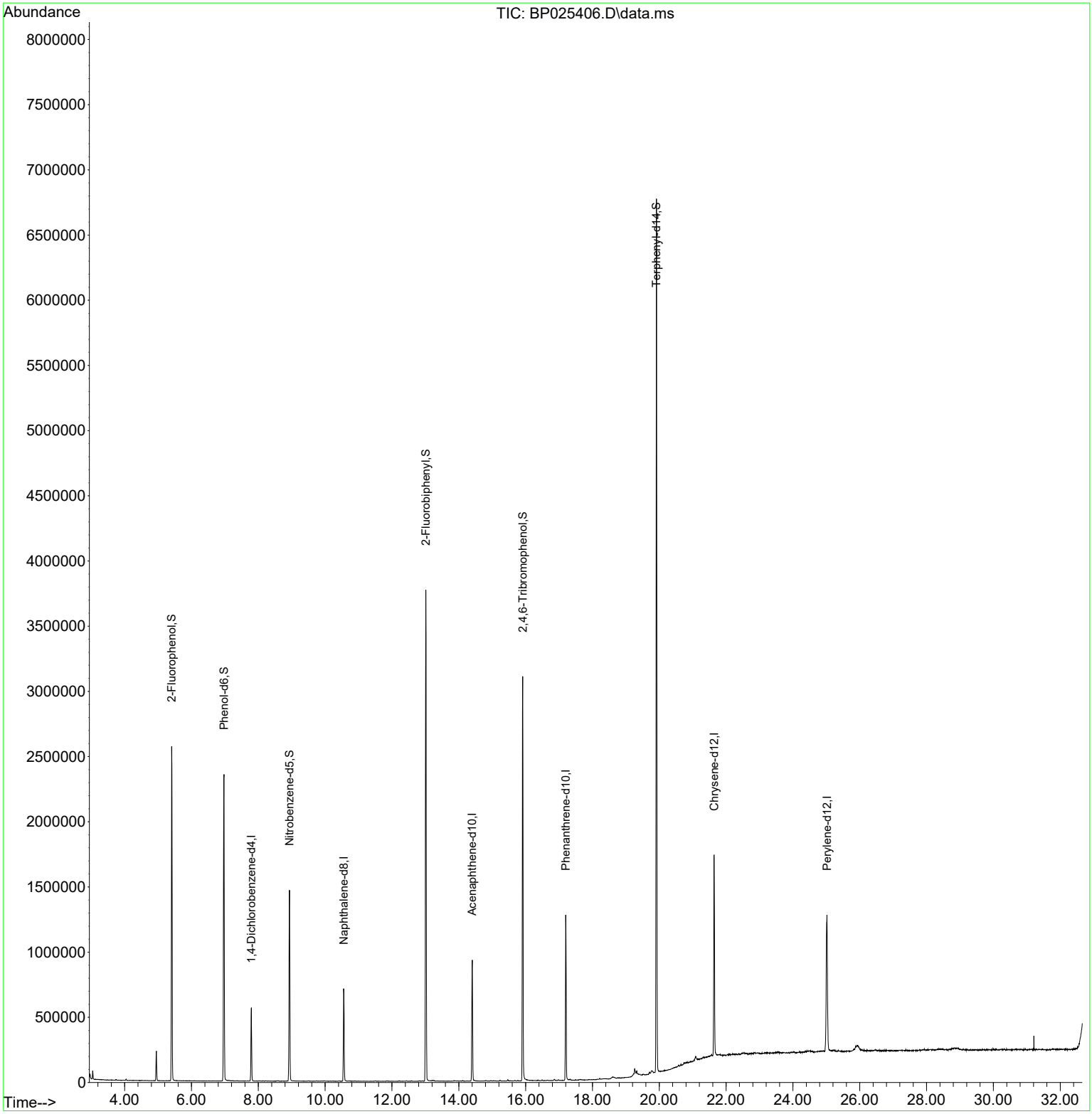
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	151255	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	580467	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	375906	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	766364	20.000	ng	0.00
76) Chrysene-d12	21.642	240	917581	20.000	ng	0.00
86) Perylene-d12	25.018	264	1039281	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1126243	123.655	ng	0.00
7) Phenol-d6	6.972	99	1380582	118.230	ng	0.00
23) Nitrobenzene-d5	8.931	82	874228	76.186	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	628097	124.137	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2062528	74.987	ng	0.00
79) Terphenyl-d14	19.913	244	3671345	73.203	ng	0.00
Target Compounds						Qvalue

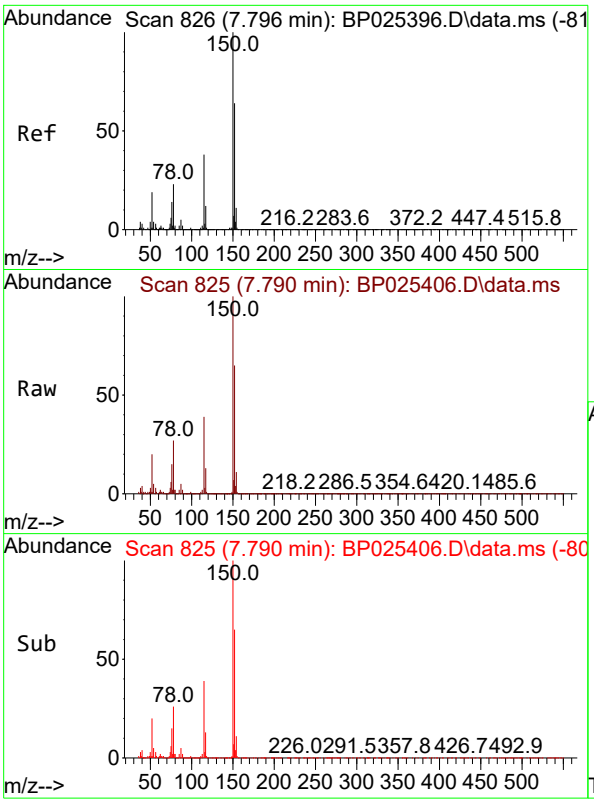
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025406.D
Acq On : 14 Aug 2025 23:37
Operator : CG/JU
Sample : PB169228BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Quant Time: Aug 15 01:38:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



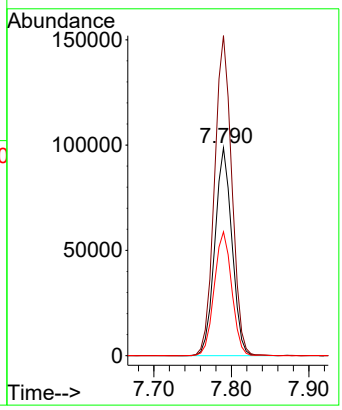


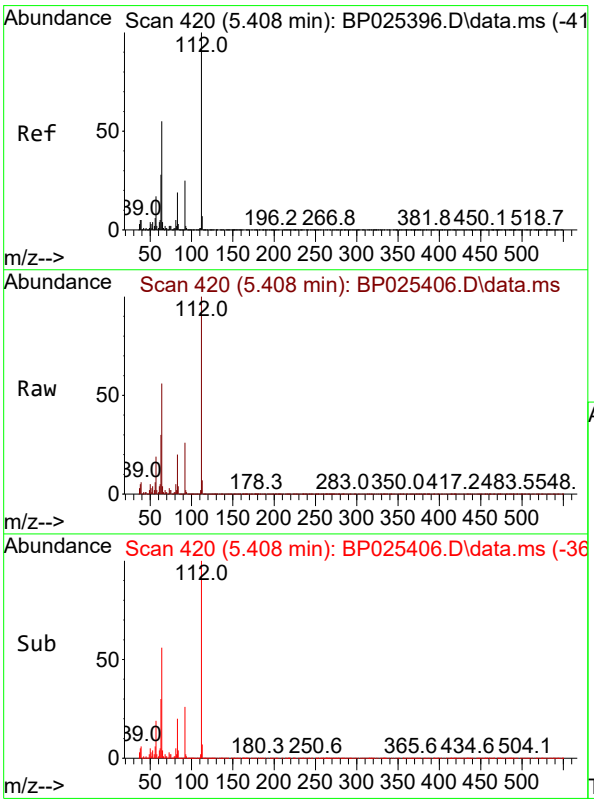
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Tgt Ion:152 Resp: 151255

Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.9	188.9
115	59.6	48.5	72.7

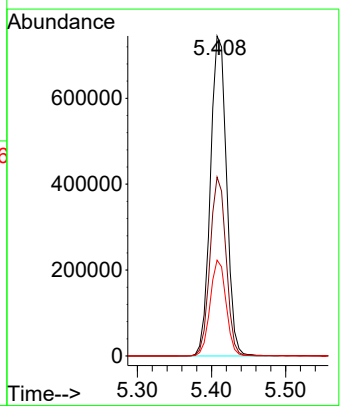


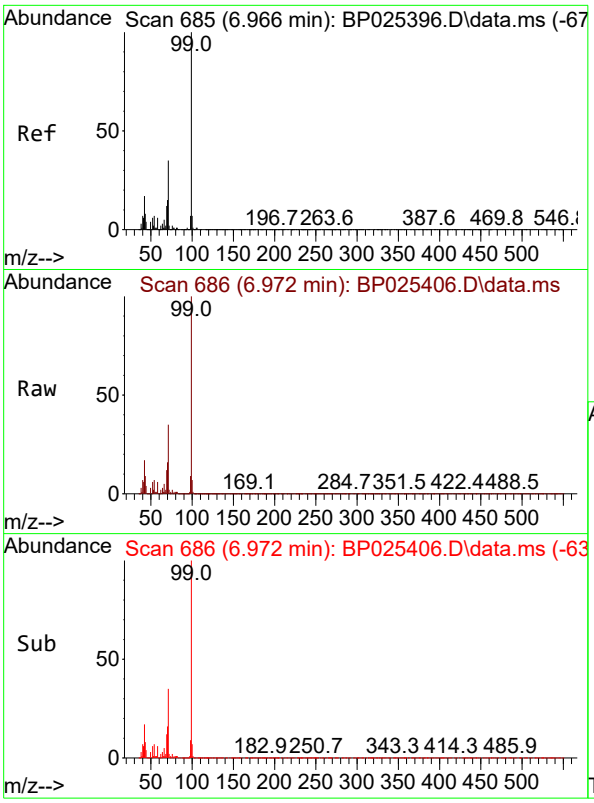


#5
2-Fluorophenol
Concen: 123.655 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Tgt Ion:112 Resp: 1126243

Ion	Ratio	Lower	Upper
112	100		
64	55.9	43.8	65.8
63	29.9	22.7	34.1



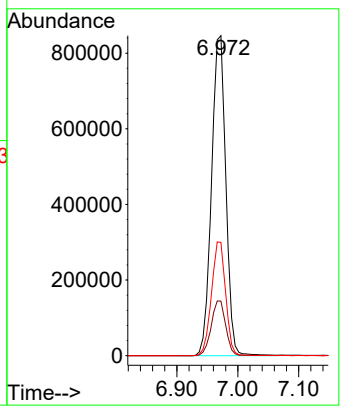


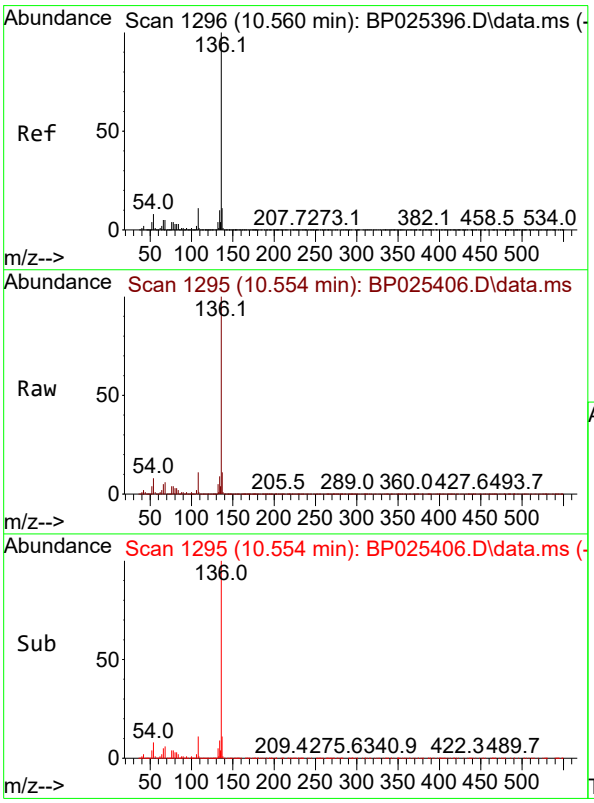
#7
Phenol-d6
Concen: 118.230 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Tgt Ion: 99 Resp: 1380582

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.7	20.5
71	35.4	28.2	42.4

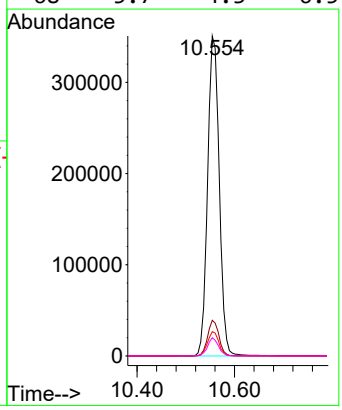


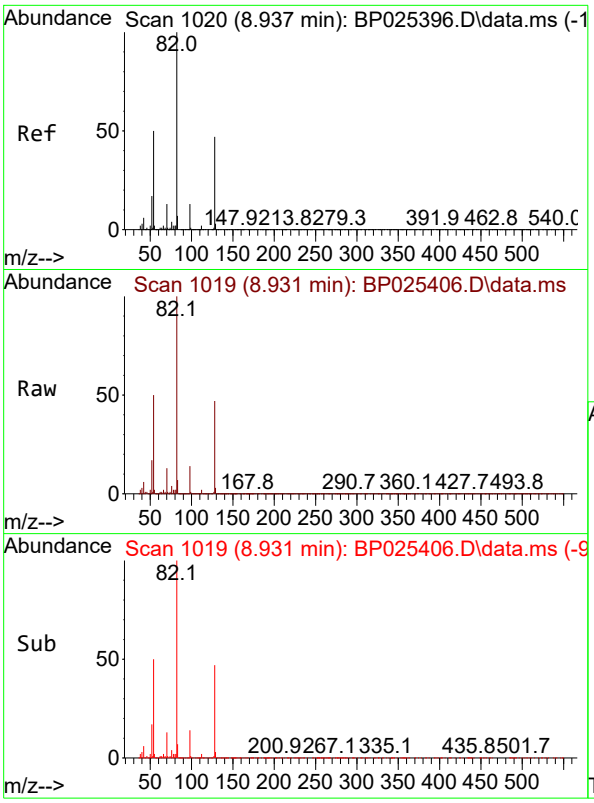


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Tgt Ion:136 Resp: 580467

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.6	6.0	9.0
68	5.7	4.3	6.5



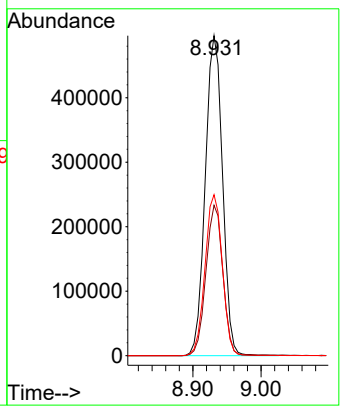


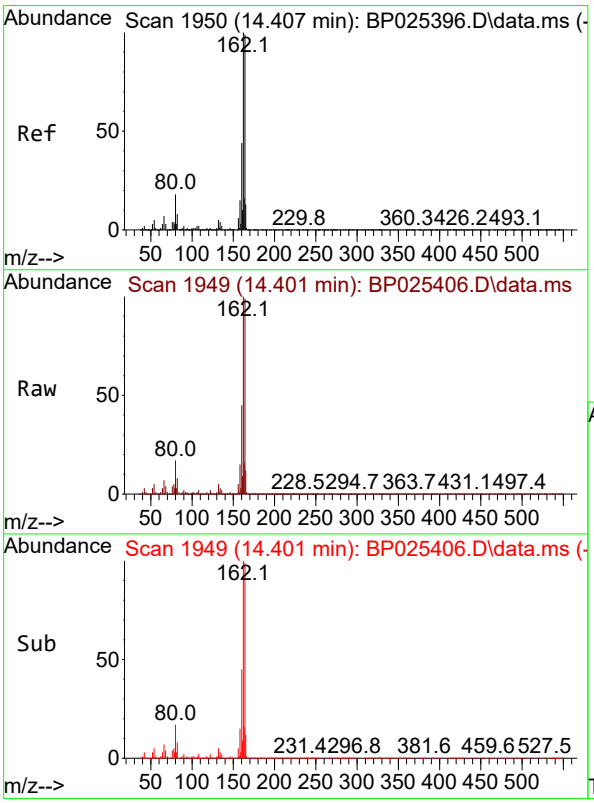
#23
Nitrobenzene-d5
Concen: 76.186 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Tgt Ion: 82 Resp: 874228

Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.7	56.5
54	50.3	39.8	59.6

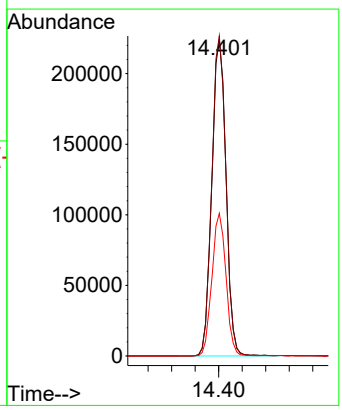


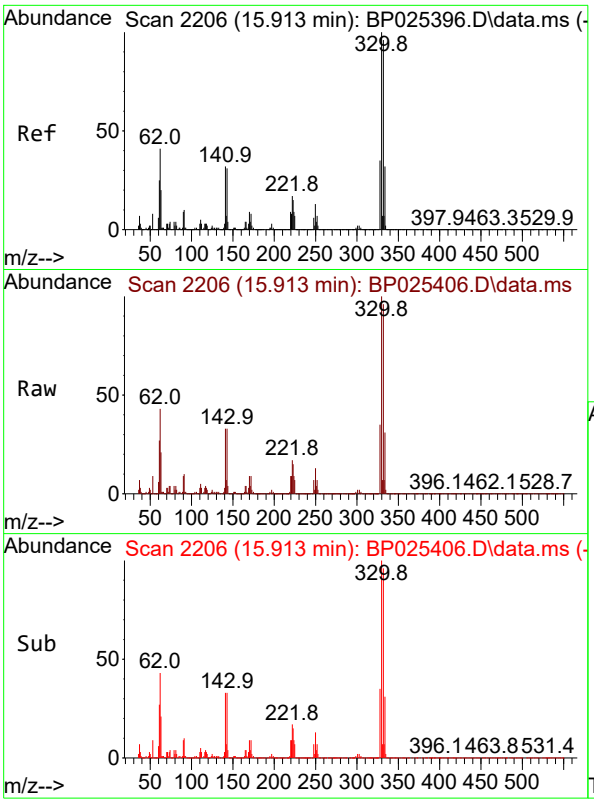


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Tgt Ion:164 Resp: 375906

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.0	121.6
160	45.0	35.4	53.2



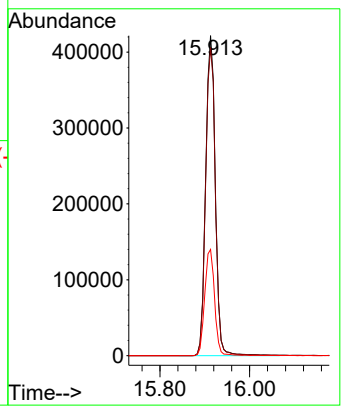


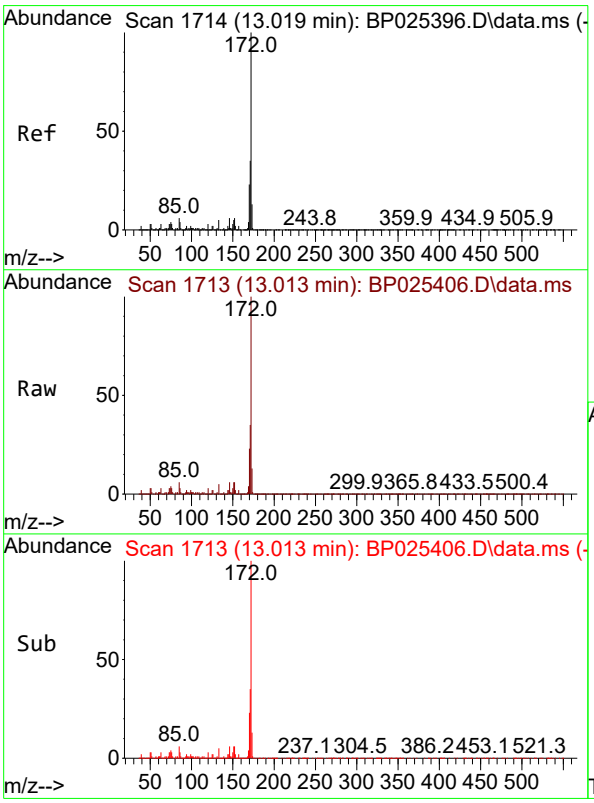
#42
2,4,6-Tribromophenol
Concen: 124.137 ng
RT: 15.913 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Tgt Ion:330 Resp: 628097

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	34.1	26.6	39.8

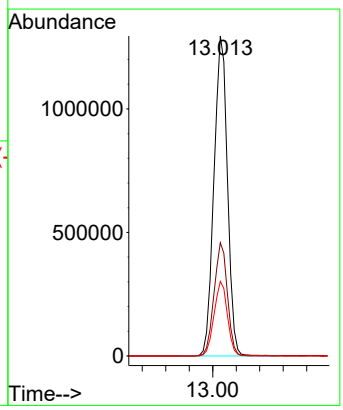


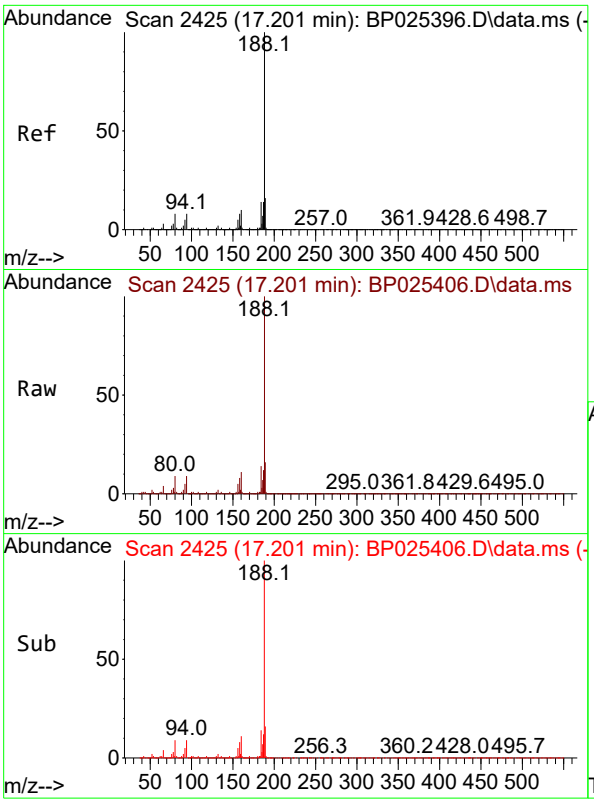


#45
2-Fluorobiphenyl
Concen: 74.987 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Tgt Ion:172 Resp: 2062528

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.1	42.1
170	23.3	18.6	28.0



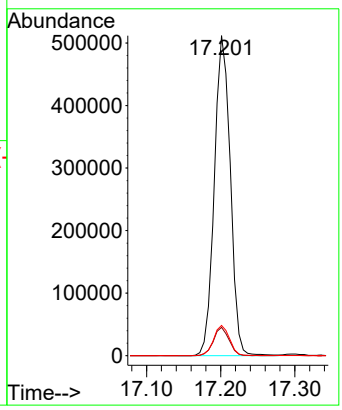


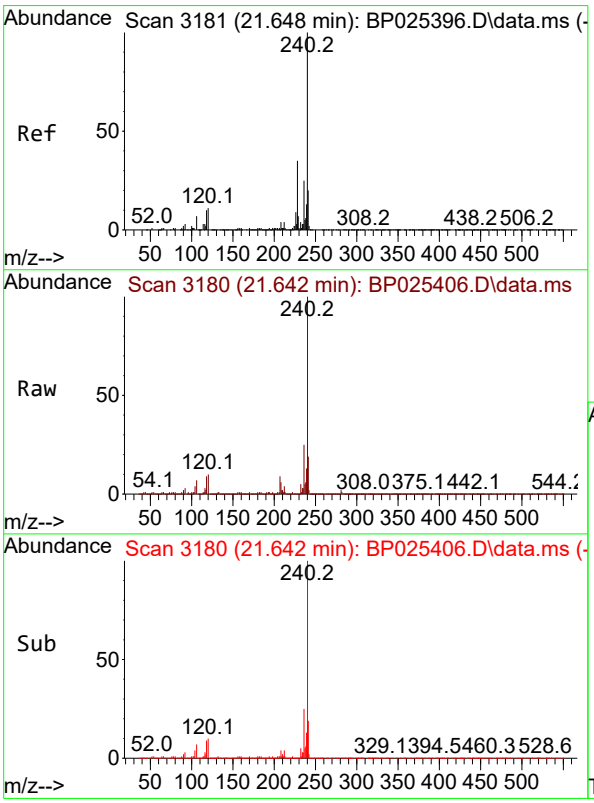
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Tgt Ion:188 Resp: 766364

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.5	6.7	10.1

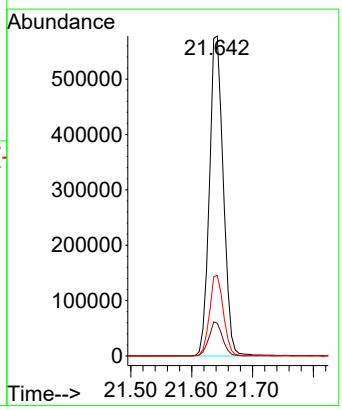


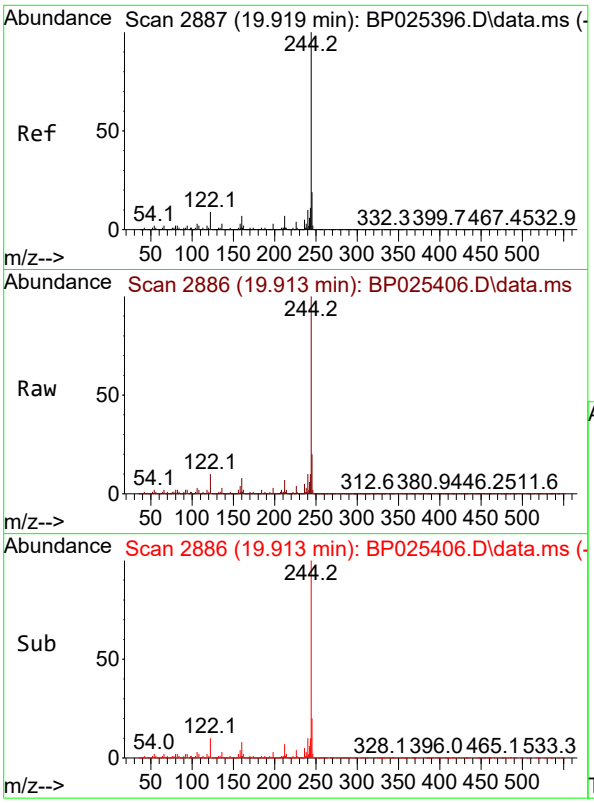


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Tgt Ion:240 Resp: 917581

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.2	19.8	29.8



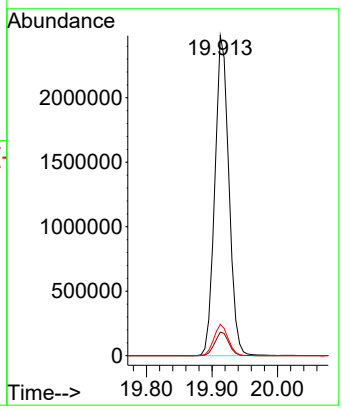


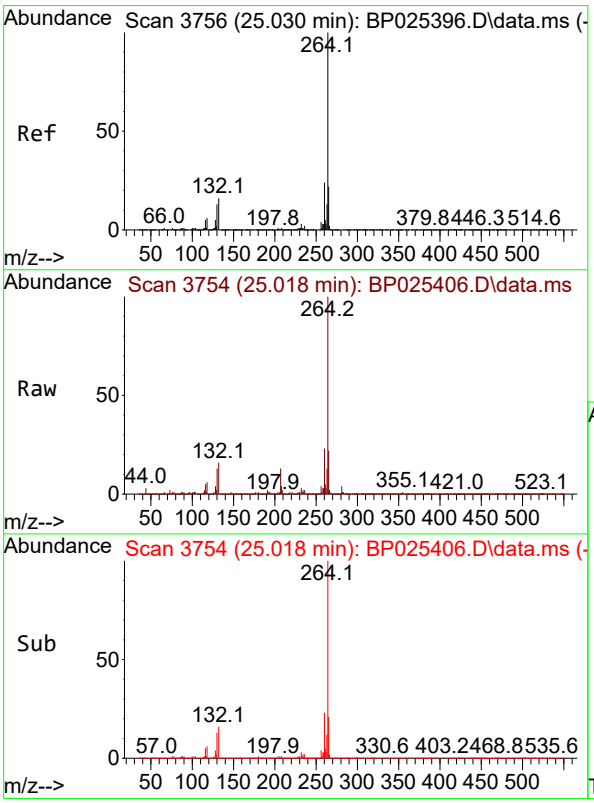
#79
Terphenyl-d14
Concen: 73.203 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Tgt Ion:244 Resp: 3671345

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.8	7.4	11.2

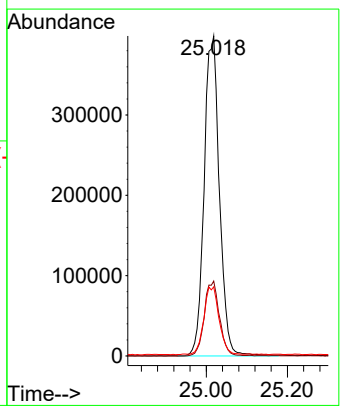




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Tgt Ion:264 Resp: 1039281

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	21.6	17.4	26.0



Sample Results: **BP025406.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025406.D
Acq On : 14 Aug 2025 23:37
Operator : CG/JU
Sample : PB169228BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169228BL

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

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

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

Signal : TIC: BP025406.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.949	336	342	349	rBV	226714	318411	3.20%	0.759%
2	5.408	413	420	431	rBV	2564528	3841230	38.62%	9.154%
3	6.972	677	686	695	rBV	2351007	3865235	38.86%	9.211%
4	7.790	817	825	834	rBV	562351	877817	8.82%	2.092%
5	8.931	1011	1019	1035	rBV	1463783	2588438	26.02%	6.169%
6	10.554	1286	1295	1312	rBV	710009	1175812	11.82%	2.802%
7	13.013	1704	1713	1729	rBV	3768883	5975830	60.07%	14.241%
8	14.401	1942	1949	1957	rBV	928824	1569054	15.77%	3.739%
9	15.913	2199	2206	2224	rBV	3102476	4715170	47.40%	11.237%
10	17.201	2416	2425	2438	rBV2	1269901	1938365	19.49%	4.619%
11	19.913	2880	2886	2900	rBV	6699452	9947409	100.00%	23.706%
12	21.642	3174	3180	3193	rVB2	1533044	2480300	24.93%	5.911%
13	25.018	3745	3754	3768	rVB	1039128	2667911	26.82%	6.358%

Sum of corrected areas: 41960982

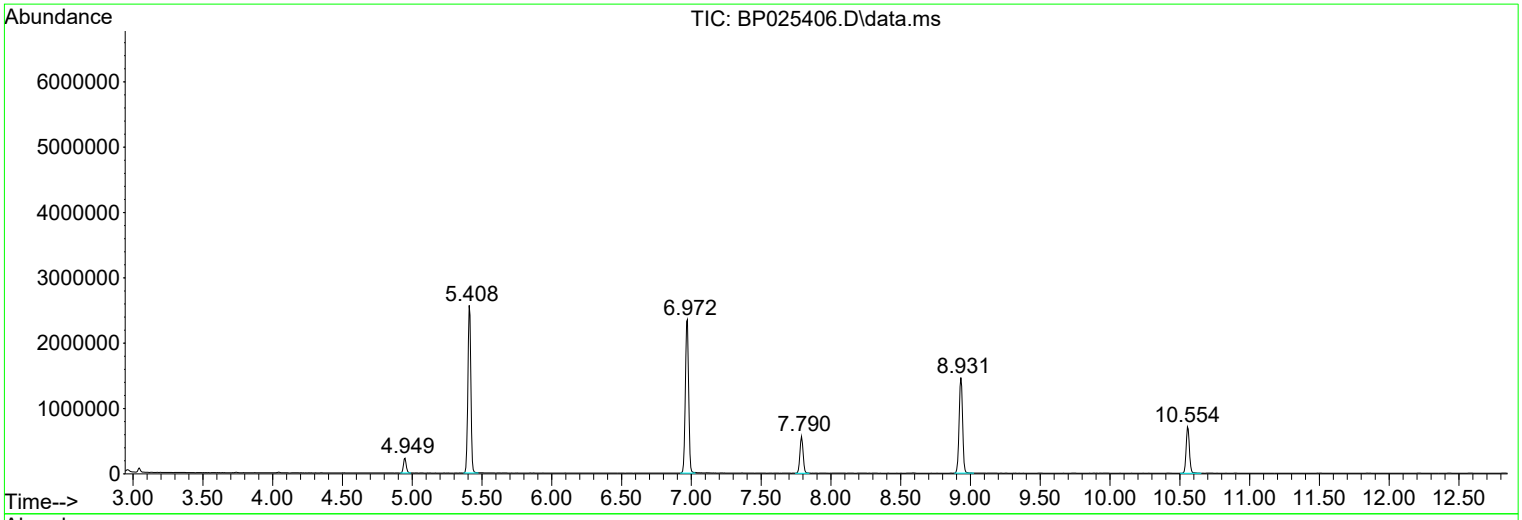
Sample Results: **BP025406.D**

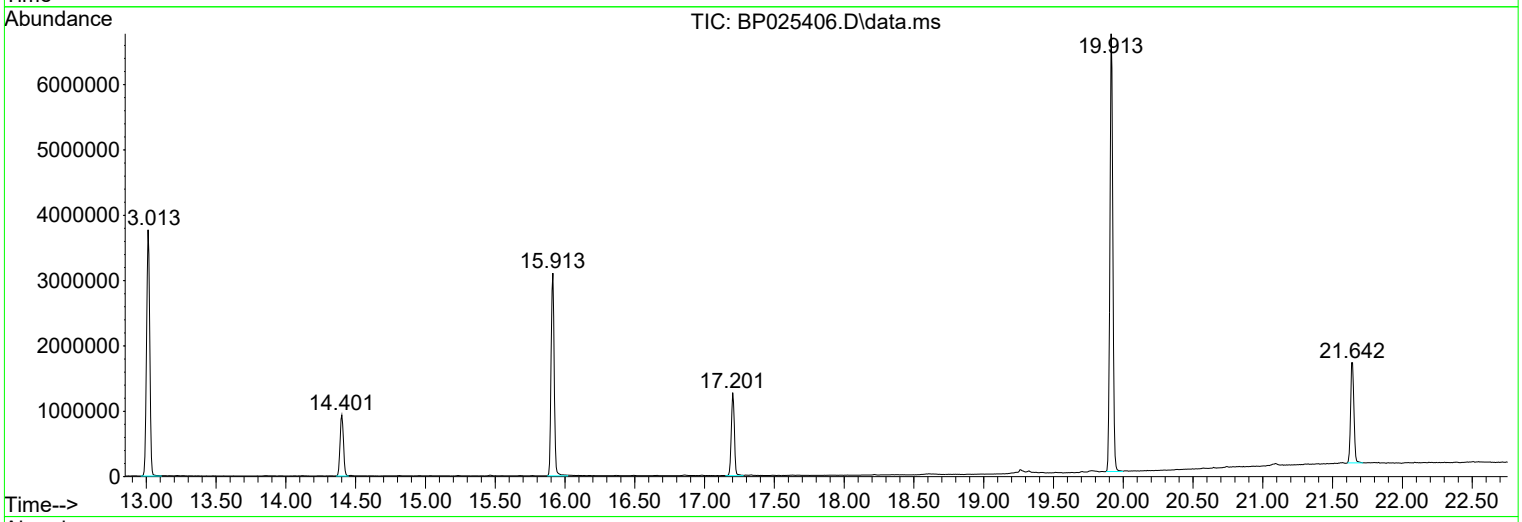
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025406.D
Acq On : 14 Aug 2025 23:37
Operator : CG/JU
Sample : PB169228BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

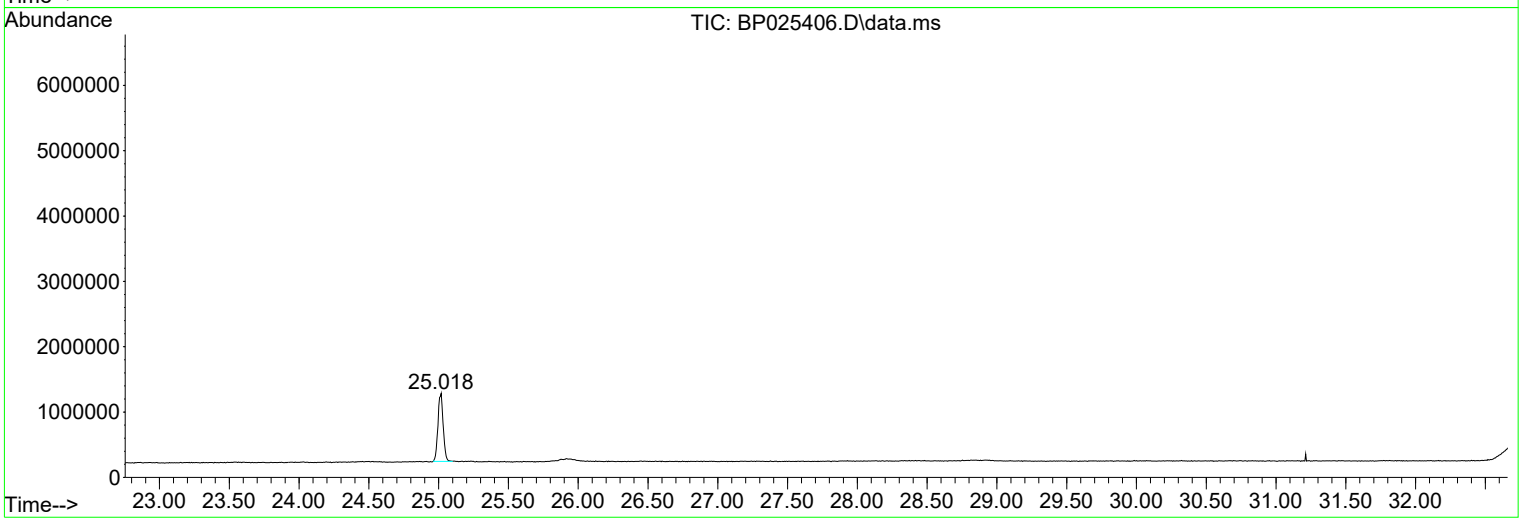
Instrument :
BNA_P
ClientSampleId :
PB169228BL

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025406.D
Acq On : 14 Aug 2025 23:37
Operator : CG/JU
Sample : PB169228BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169228BL

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

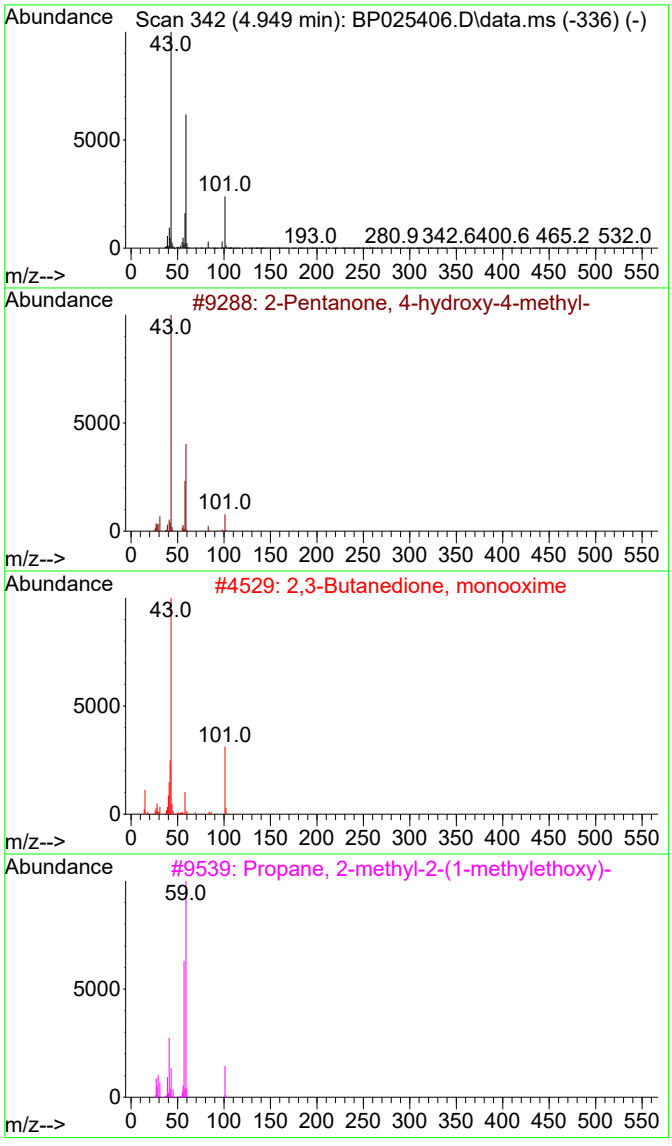
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

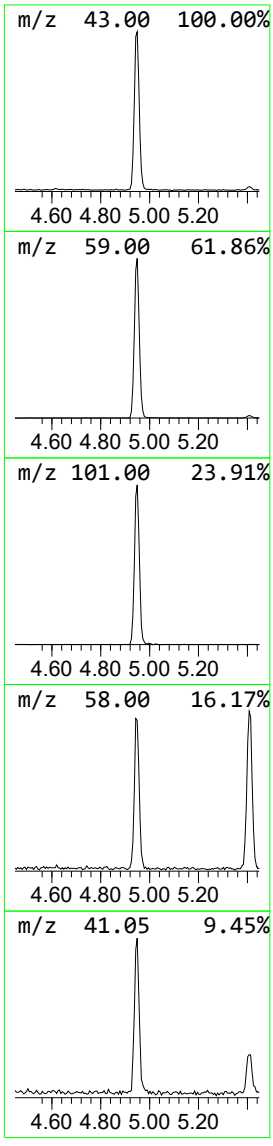
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	7.25 ng	318411	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	23
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025406.D
Acq On : 14 Aug 2025 23:37
Operator : CG/JU
Sample : PB169228BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169228BL

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.949	7.3	ng	318411	1	7.790	877817	20.0

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025407.D
Acq On : 15 Aug 2025 00:18
Operator : CG/JU
Sample : PB169228BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 15 01:38:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	147030	20.000	ng		0.00
21) Naphthalene-d8	10.554	136	606682	20.000	ng		0.00
39) Acenaphthene-d10	14.401	164	410001	20.000	ng		0.00
64) Phenanthrene-d10	17.189	188	838541	20.000	ng		-0.01
76) Chrysene-d12	21.642	240	848930	20.000	ng		0.00
86) Perylene-d12	25.018	264	946447	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	1110154	125.391	ng		0.00
7) Phenol-d6	6.972	99	1425501	125.584	ng		0.00
23) Nitrobenzene-d5	8.931	82	911194	75.976	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	707616	128.223	ng		0.00
45) 2-Fluorobiphenyl	13.013	172	2196374	73.213	ng		0.00
79) Terphenyl-d14	19.919	244	3590153	77.373	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	130883	37.741	ng		99
3) Pyridine	3.731	79	324920	34.231	ng		98
4) n-Nitrosodimethylamine	3.637	42	165173	42.209	ng		100
6) Aniline	7.125	93	571326	37.357	ng		99
8) 2-Chlorophenol	7.366	128	455193	45.561	ng		99
9) Benzaldehyde	6.937	77	212043	26.663	ng		97
10) Phenol	6.996	94	551928	46.339	ng		97
11) bis(2-Chloroethyl)ether	7.219	93	390018	42.012	ng		98
12) 1,3-Dichlorobenzene	7.684	146	460503	41.801	ng		99
13) 1,4-Dichlorobenzene	7.825	146	466980	41.472	ng		99
14) 1,2-Dichlorobenzene	8.137	146	456253	41.859	ng		98
15) Benzyl Alcohol	8.025	79	401073	44.470	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.307	45	511027	41.092	ng		100
17) 2-Methylphenol	8.225	107	386767	46.755	ng		100
18) Hexachloroethane	8.860	117	171481	41.420	ng		99
19) n-Nitroso-di-n-propyla...	8.584	70	312622	41.580	ng		98
20) 3+4-Methylphenols	8.549	107	528303	46.073	ng		97
22) Acetophenone	8.596	105	658466	43.279	ng	#	98
24) Nitrobenzene	8.972	77	468149	43.677	ng		99
25) Isophorone	9.496	82	915580	43.137	ng		99
26) 2-Nitrophenol	9.672	139	240132	43.654	ng		97
27) 2,4-Dimethylphenol	9.737	122	448325	47.393	ng		98
28) bis(2-Chloroethoxy)met...	9.966	93	546870	42.624	ng		98
29) 2,4-Dichlorophenol	10.207	162	449262	47.808	ng		98
30) 1,2,4-Trichlorobenzene	10.425	180	440470	42.758	ng		98
31) Naphthalene	10.607	128	1361279	43.171	ng		99
32) Benzoic acid	9.884	122	336308	48.155	ng		98
33) 4-Chloroaniline	10.707	127	445208	31.964	ng		99
34) Hexachlorobutadiene	10.896	225	272205	42.429	ng		98
35) Caprolactam	11.490	113	162024	47.021	ng		95
36) 4-Chloro-3-methylphenol	11.831	107	511279	47.415	ng		99
37) 2-Methylnaphthalene	12.213	142	895593	43.644	ng		100
38) 1-Methylnaphthalene	12.431	142	932869	42.748	ng		99
40) 1,2,4,5-Tetrachloroben...	12.584	216	506460	42.771	ng		98
41) Hexachlorocyclopentadiene	12.566	237	673801	94.204	ng		98
43) 2,4,6-Trichlorophenol	12.819	196	371415	46.461	ng		98

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025407.D
Acq On : 15 Aug 2025 00:18
Operator : CG/JU
Sample : PB169228BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 15 01:38:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	416860	47.579	ng	97
46) 1,1'-Biphenyl	13.225	154	1304149	43.798	ng	100
47) 2-Chloronaphthalene	13.266	162	1016595	43.855	ng	99
48) 2-Nitroaniline	13.466	65	314909	46.623	ng	96
49) Acenaphthylene	14.119	152	1706619	44.492	ng	100
50) Dimethylphthalate	13.854	163	1374506	45.780	ng	100
51) 2,6-Dinitrotoluene	13.966	165	301444	47.635	ng	99
52) Acenaphthene	14.466	154	996925	44.278	ng	100
53) 3-Nitroaniline	14.295	138	248427	34.892	ng	95
54) 2,4-Dinitrophenol	14.501	184	370101	109.516	ng	98
55) Dibenzofuran	14.801	168	1572174	44.166	ng	98
56) 4-Nitrophenol	14.619	139	563832	96.372	ng	97
57) 2,4-Dinitrotoluene	14.754	165	433702	48.036	ng	97
58) Fluorene	15.460	166	1231357	43.839	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.036	232	369543	47.768	ng	99
60) Diethylphthalate	15.236	149	1395643	45.748	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	617842	44.228	ng	100
62) 4-Nitroaniline	15.472	138	326180	44.688	ng	97
63) Azobenzene	15.754	77	1182478	45.267	ng	99
65) 4,6-Dinitro-2-methylph...	15.536	198	256489	49.069	ng	98
66) n-Nitrosodiphenylamine	15.672	169	1141054	44.624	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	406073	44.031	ng	97
68) Hexachlorobenzene	16.483	284	477112	44.629	ng	98
69) Atrazine	16.648	200	436604	45.593	ng	98
70) Pentachlorophenol	16.836	266	647332	95.922	ng	97
71) Phenanthrene	17.236	178	2049033	44.483	ng	100
72) Anthracene	17.330	178	2071926	44.046	ng	100
73) Carbazole	17.607	167	1984094	44.780	ng	99
74) Di-n-butylphthalate	18.201	149	2442996	44.814	ng	100
75) Fluoranthene	19.324	202	2426038	44.153	ng	99
77) Benzidine	19.513	184	1396799	48.212	ng	99
78) Pyrene	19.701	202	2461482	44.610	ng	100
80) Butylbenzylphthalate	20.654	149	1144283	45.758	ng	99
81) Benzo(a)anthracene	21.624	228	2552604	45.593	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	665844	31.552	ng	99
83) Chrysene	21.695	228	2383389	45.457	ng	99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1660300	45.102	ng	100
85) Di-n-octyl phthalate	22.865	149	2881260	45.504	ng	100
87) Indeno(1,2,3-cd)pyrene	28.842	276	3210651m	46.257	ng	
88) Benzo(b)fluoranthene	23.948	252	2645452	47.402	ng	98
89) Benzo(k)fluoranthene	24.007	252	2554212	45.736	ng	99
90) Benzo(a)pyrene	24.848	252	2544632	46.840	ng	99
91) Dibenzo(a,h)anthracene	28.918	278	2636878	46.488	ng	98
92) Benzo(g,h,i)perylene	30.024	276	2572611	46.141	ng	99

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

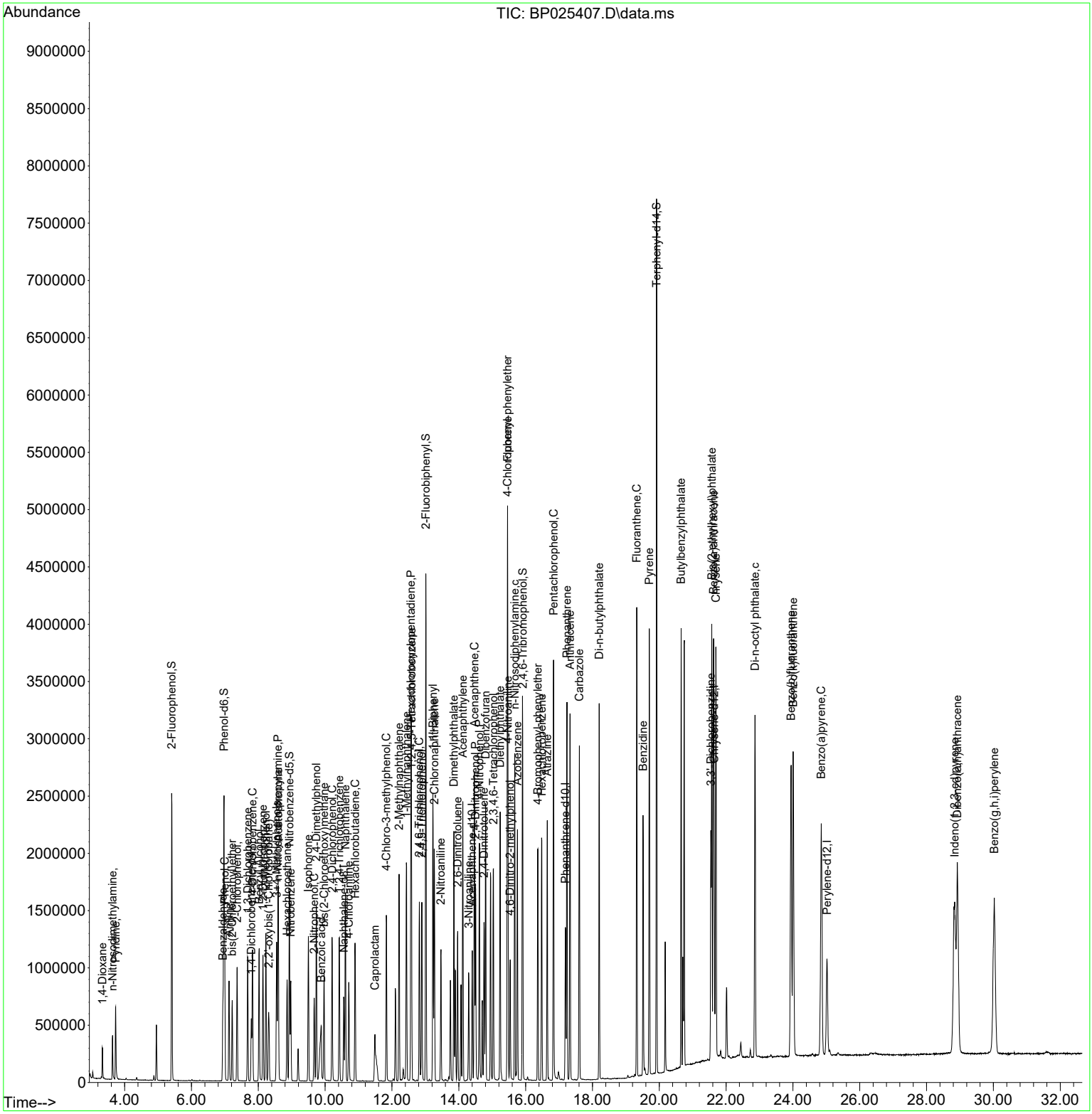
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025407.D
Acq On : 15 Aug 2025 00:18
Operator : CG/JU
Sample : PB169228BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 15 01:38:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025415.D
Acq On : 15 Aug 2025 05:48
Operator : CG/JU
Sample : Q2820-17MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 15 08:05:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	150786	20.000	ng		0.00
21) Naphthalene-d8	10.566	136	605832	20.000	ng		0.00
39) Acenaphthene-d10	14.395	164	386320	20.000	ng		-0.01
64) Phenanthrene-d10	17.195	188	780287	20.000	ng		0.00
76) Chrysene-d12	21.642	240	875377	20.000	ng		0.00
86) Perylene-d12	25.001	264	1000604	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.414	112	768113	84.597	ng		0.00
7) Phenol-d6	6.972	99	997741	85.710	ng		0.00
23) Nitrobenzene-d5	8.931	82	621723	51.912	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	441123	84.833	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	1406520	49.758	ng		0.00
79) Terphenyl-d14	19.913	244	2185634	45.681	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	127096	35.736	ng		97
3) Pyridine	3.725	79	350548	36.011	ng		97
4) n-Nitrosodimethylamine	3.637	42	171159	42.649	ng		97
6) Aniline	7.125	93	528462	33.694	ng		98
8) 2-Chlorophenol	7.366	128	452389	44.153	ng		98
9) Benzaldehyde	6.943	77	214385	26.286	ng		99
10) Phenol	6.996	94	550261	45.048	ng		96
11) bis(2-Chloroethyl)ether	7.219	93	391840	41.157	ng		99
12) 1,3-Dichlorobenzene	7.684	146	466002	41.247	ng		99
13) 1,4-Dichlorobenzene	7.825	146	475529	41.179	ng		99
14) 1,2-Dichlorobenzene	8.143	146	455238	40.725	ng		98
15) Benzyl Alcohol	8.025	79	400142	43.261	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	524406	41.117	ng		99
17) 2-Methylphenol	8.225	107	379896	44.780	ng		98
18) Hexachloroethane	8.866	117	174455	41.089	ng		96
19) n-Nitroso-di-n-propyla...	8.590	70	308676	40.032	ng		97
20) 3+4-Methylphenols	8.549	107	523056	44.480	ng		98
22) Acetophenone	8.607	105	638997	42.059	ng	#	98
24) Nitrobenzene	8.972	77	463016	43.258	ng		99
25) Isophorone	9.502	82	886621	41.831	ng		99
26) 2-Nitrophenol	9.678	139	238745	43.463	ng		98
27) 2,4-Dimethylphenol	9.737	122	434435	45.989	ng		98
28) bis(2-Chloroethoxy)met...	9.972	93	540971	42.224	ng		99
29) 2,4-Dichlorophenol	10.207	162	437774	46.651	ng		98
30) 1,2,4-Trichlorobenzene	10.425	180	433129	42.105	ng		98
31) Naphthalene	10.613	128	1330005	42.238	ng		99
32) Benzoic acid	9.884	122	311312	44.638	ng		98
33) 4-Chloroaniline	10.713	127	321033	23.081	ng		99
34) Hexachlorobutadiene	10.901	225	274233	42.806	ng		98
35) Caprolactam	11.496	113	149929	43.572	ng		99
36) 4-Chloro-3-methylphenol	11.843	107	491428	45.638	ng		98
37) 2-Methylnaphthalene	12.219	142	871694	42.539	ng		98
38) 1-Methylnaphthalene	12.437	142	902892	41.432	ng		99
40) 1,2,4,5-Tetrachloroben...	12.590	216	495028	44.368	ng		99
41) Hexachlorocyclopentadiene	12.572	237	587000	87.099	ng		99
43) 2,4,6-Trichlorophenol	12.825	196	352250	46.764	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025415.D
Acq On : 15 Aug 2025 05:48
Operator : CG/JU
Sample : Q2820-17MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 15 08:05:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	390615	47.317	ng	99
46) 1,1'-Biphenyl	13.225	154	1250868	44.583	ng	100
47) 2-Chloronaphthalene	13.272	162	963302	44.103	ng	99
48) 2-Nitroaniline	13.466	65	297760	46.787	ng	99
49) Acenaphthylene	14.119	152	1611999	44.601	ng	99
50) Dimethylphthalate	13.860	163	1254219	44.335	ng	100
51) 2,6-Dinitrotoluene	13.966	165	269670	45.226	ng	91
52) Acenaphthene	14.466	154	949405	44.752	ng	99
53) 3-Nitroaniline	14.295	138	199924	29.801	ng	93
54) 2,4-Dinitrophenol	14.507	184	307887	96.691	ng	98
55) Dibenzofuran	14.801	168	1489789	44.417	ng	99
56) 4-Nitrophenol	14.619	139	513780	93.200	ng	95
57) 2,4-Dinitrotoluene	14.760	165	399936	47.011	ng	100
58) Fluorene	15.460	166	1142677	43.175	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.031	232	334331	45.866	ng	99
60) Diethylphthalate	15.242	149	1293019	44.982	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	558984	42.468	ng	97
62) 4-Nitroaniline	15.472	138	295780	43.007	ng	96
63) Azobenzene	15.754	77	1184564	48.126	ng	98
65) 4,6-Dinitro-2-methylph...	15.537	198	221973	45.637	ng	99
66) n-Nitrosodiphenylamine	15.678	169	1035094	43.502	ng	100
67) 4-Bromophenyl-phenylether	16.378	248	374274	43.613	ng	98
68) Hexachlorobenzene	16.489	284	432625	43.489	ng	98
69) Atrazine	16.654	200	398840	44.758	ng	98
70) Pentachlorophenol	16.842	266	593177	94.460	ng	98
71) Phenanthrene	17.242	178	1900981	44.349	ng	100
72) Anthracene	17.342	178	1901911	43.450	ng	99
73) Carbazole	17.613	167	1848365	44.831	ng	99
74) Di-n-butylphthalate	18.213	149	2264177	44.635	ng	100
75) Fluoranthene	19.325	202	2274430	44.484	ng	98
77) Benzidine	19.519	184	1279852	42.841	ng	99
78) Pyrene	19.701	202	2376529	41.769	ng	99
80) Butylbenzylphthalate	20.654	149	1141667	44.274	ng	98
81) Benzo(a)anthracene	21.619	228	2561195	44.364	ng	100
82) 3,3'-Dichlorobenzidine	21.536	252	558511	25.666	ng	99
83) Chrysene	21.689	228	2409067	44.558	ng	100
84) Bis(2-ethylhexyl)phtha...	21.566	149	1670118	43.998	ng	100
85) Di-n-octyl phthalate	22.854	149	2946897	45.135	ng	100
87) Indeno(1,2,3-cd)pyrene	28.824	276	3281639m	44.721	ng	
88) Benzo(b)fluoranthene	23.930	252	2653334	44.970	ng	99
89) Benzo(k)fluoranthene	24.001	252	2664055	45.121	ng	99
90) Benzo(a)pyrene	24.830	252	2562652	44.619	ng	99
91) Dibenzo(a,h)anthracene	28.924	278	2675040	44.609	ng	98
92) Benzo(g,h,i)perylene	30.030	276	2637753	44.748	ng	98

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

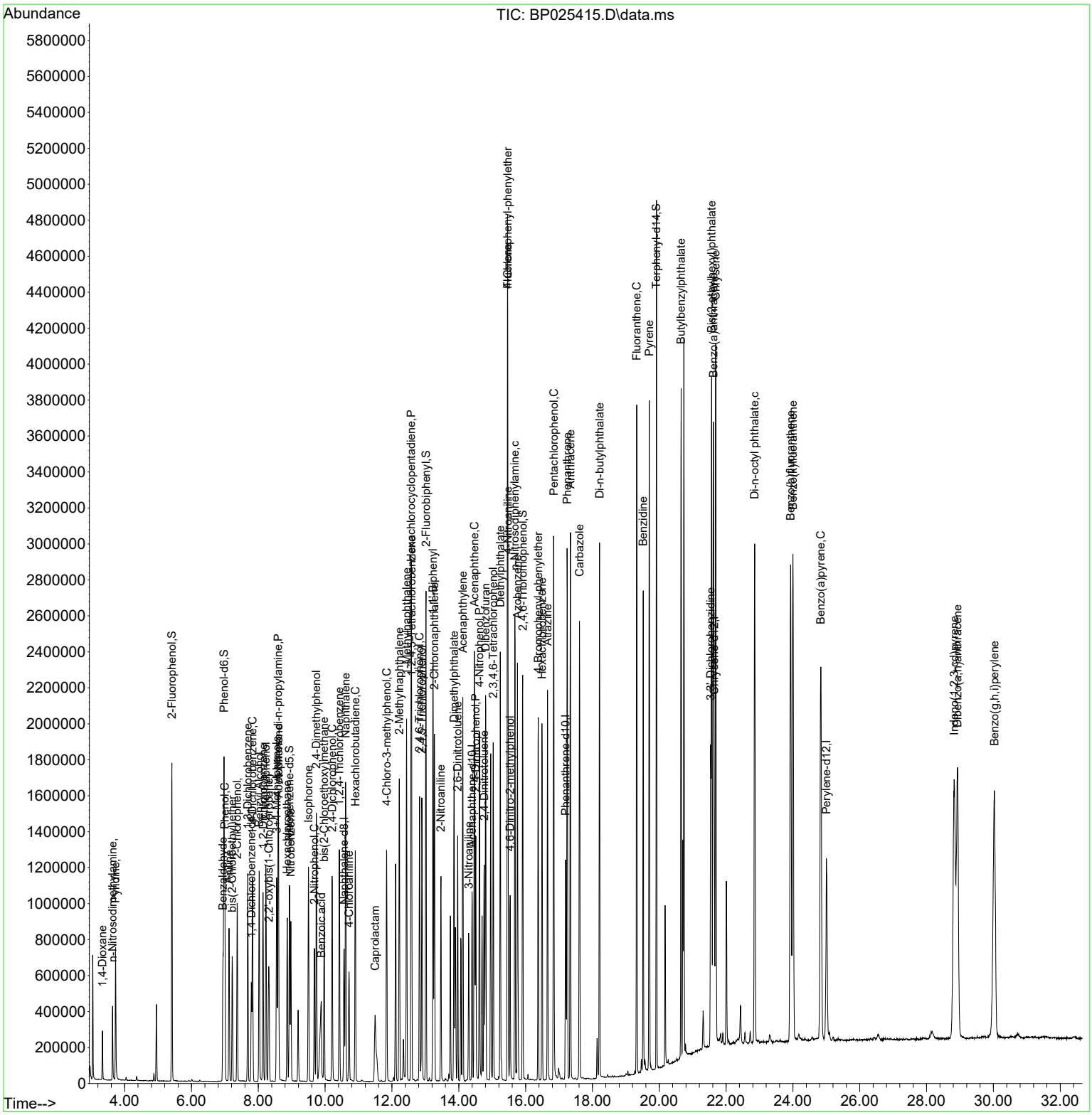
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025415.D
Acq On : 15 Aug 2025 05:48
Operator : CG/JU
Sample : Q2820-17MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 15 08:05:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025416.D
Acq On : 15 Aug 2025 06:29
Operator : CG/JU
Sample : Q2820-17MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 15 08:09:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.795	152	152229	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	611748	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	408254	20.000	ng		0.00
64) Phenanthrene-d10	17.201	188	837667	20.000	ng		0.00
76) Chrysene-d12	21.648	240	921761	20.000	ng		0.00
86) Perylene-d12	25.024	264	1086411	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.407	112	807645	88.108	ng		0.00
7) Phenol-d6	6.966	99	1053520	89.644	ng		0.00
23) Nitrobenzene-d5	8.931	82	659161	54.506	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	493086	89.731	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	1517679	50.806	ng		0.00
79) Terphenyl-d14	19.912	244	2460926	48.846	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	133387	37.150	ng		98
3) Pyridine	3.731	79	373071	37.962	ng		98
4) n-Nitrosodimethylamine	3.637	42	180846	44.636	ng		97
6) Aniline	7.125	93	562721	35.538	ng		99
8) 2-Chlorophenol	7.366	128	489929	47.363	ng		99
9) Benzaldehyde	6.937	77	223121	27.098	ng		100
10) Phenol	6.995	94	592156	48.018	ng		98
11) bis(2-Chloroethyl)ether	7.219	93	412250	42.890	ng		99
12) 1,3-Dichlorobenzene	7.684	146	492466	43.176	ng		99
13) 1,4-Dichlorobenzene	7.825	146	503812	43.215	ng		99
14) 1,2-Dichlorobenzene	8.142	146	489651	43.388	ng		99
15) Benzyl Alcohol	8.025	79	431125	46.169	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.307	45	548076	42.566	ng		98
17) 2-Methylphenol	8.225	107	403259	47.084	ng		99
18) Hexachloroethane	8.860	117	184490	43.040	ng		97
19) n-Nitroso-di-n-propyla...	8.583	70	329547	42.334	ng		99
20) 3+4-Methylphenols	8.548	107	552270	46.519	ng		96
22) Acetophenone	8.601	105	691731	45.089	ng	#	99
24) Nitrobenzene	8.966	77	492167	45.537	ng		99
25) Isophorone	9.495	82	936982	43.780	ng		98
26) 2-Nitrophenol	9.672	139	261087	47.070	ng		97
27) 2,4-Dimethylphenol	9.736	122	464398	48.685	ng		100
28) bis(2-Chloroethoxy)met...	9.966	93	571301	44.160	ng		99
29) 2,4-Dichlorophenol	10.207	162	463126	48.875	ng		97
30) 1,2,4-Trichlorobenzene	10.419	180	465232	44.788	ng		97
31) Naphthalene	10.613	128	1414587	44.490	ng		100
32) Benzoic acid	9.878	122	351527	49.917	ng		99
33) 4-Chloroaniline	10.707	127	356528	25.385	ng		99
34) Hexachlorobutadiene	10.901	225	286611	44.305	ng		97
35) Caprolactam	11.501	113	165259m	47.563	ng		
36) 4-Chloro-3-methylphenol	11.836	107	529393	48.688	ng		96
37) 2-Methylnaphthalene	12.213	142	931832	45.034	ng		98
38) 1-Methylnaphthalene	12.436	142	968839	44.028	ng		99
40) 1,2,4,5-Tetrachloroben...	12.583	216	528206	44.798	ng		98
41) Hexachlorocyclopentadiene	12.566	237	642432	90.202	ng		99
43) 2,4,6-Trichlorophenol	12.824	196	385328	48.407	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025416.D
Acq On : 15 Aug 2025 06:29
Operator : CG/JU
Sample : Q2820-17MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 15 08:09:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	422320	48.409	ng	98
46) 1,1'-Biphenyl	13.230	154	1333915	44.989	ng	98
47) 2-Chloronaphthalene	13.266	162	1048414	45.421	ng	99
48) 2-Nitroaniline	13.466	65	327216	48.653	ng	97
49) Acenaphthylene	14.124	152	1741031	45.584	ng	100
50) Dimethylphthalate	13.854	163	1353224	45.264	ng	99
51) 2,6-Dinitrotoluene	13.966	165	297925	47.281	ng	99
52) Acenaphthene	14.477	154	990506	44.181	ng	99
53) 3-Nitroaniline	14.295	138	220431	31.093	ng	97
54) 2,4-Dinitrophenol	14.513	184	345806	102.765	ng	99
55) Dibenzofuran	14.813	168	1593114	44.946	ng	98
56) 4-Nitrophenol	14.618	139	576733	98.999	ng	98
57) 2,4-Dinitrotoluene	14.771	165	438365	48.760	ng	100
58) Fluorene	15.465	166	1236469	44.209	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.036	232	374896	48.668	ng	99
60) Diethylphthalate	15.242	149	1388142	45.696	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	620466	44.606	ng	99
62) 4-Nitroaniline	15.477	138	329615	45.352	ng	95
63) Azobenzene	15.754	77	1306069	50.212	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	246584	47.224	ng	95
66) n-Nitrosodiphenylamine	15.671	169	1133759	44.385	ng	100
67) 4-Bromophenyl-phenylether	16.371	248	412290	44.752	ng	98
68) Hexachlorobenzene	16.489	284	482237	45.155	ng	98
69) Atrazine	16.648	200	444039	46.417	ng	99
70) Pentachlorophenol	16.848	266	677601	100.512	ng	96
71) Phenanthrene	17.248	178	2085270	45.316	ng	99
72) Anthracene	17.330	178	2098232	44.651	ng	99
73) Carbazole	17.612	167	2047401	46.257	ng	99
74) Di-n-butylphthalate	18.212	149	2532382	46.503	ng	100
75) Fluoranthene	19.330	202	2558146	46.606	ng	99
77) Benzidine	19.512	184	1446263	45.975	ng	100
78) Pyrene	19.706	202	2628017	43.865	ng	99
80) Butylbenzylphthalate	20.653	149	1280380	47.155	ng	97
81) Benzo(a)anthracene	21.624	228	2800265	46.064	ng	100
82) 3,3'-Dichlorobenzidine	21.536	252	640279	27.944	ng	99
83) Chrysene	21.695	228	2634967	46.284	ng	99
84) Bis(2-ethylhexyl)phtha...	21.565	149	1870070	46.787	ng	99
85) Di-n-octyl phthalate	22.853	149	3288310	47.830	ng	100
87) Indeno(1,2,3-cd)pyrene	28.835	276	3666491m	46.019	ng	
88) Benzo(b)fluoranthene	23.930	252	2936896	45.844	ng	100
89) Benzo(k)fluoranthene	24.012	252	2954085	46.081	ng	98
90) Benzo(a)pyrene	24.853	252	2891770	46.372	ng	99
91) Dibenzo(a,h)anthracene	28.912	278	2997319	46.035	ng	99
92) Benzo(g,h,i)perylene	30.024	276	2926520	45.726	ng	98

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

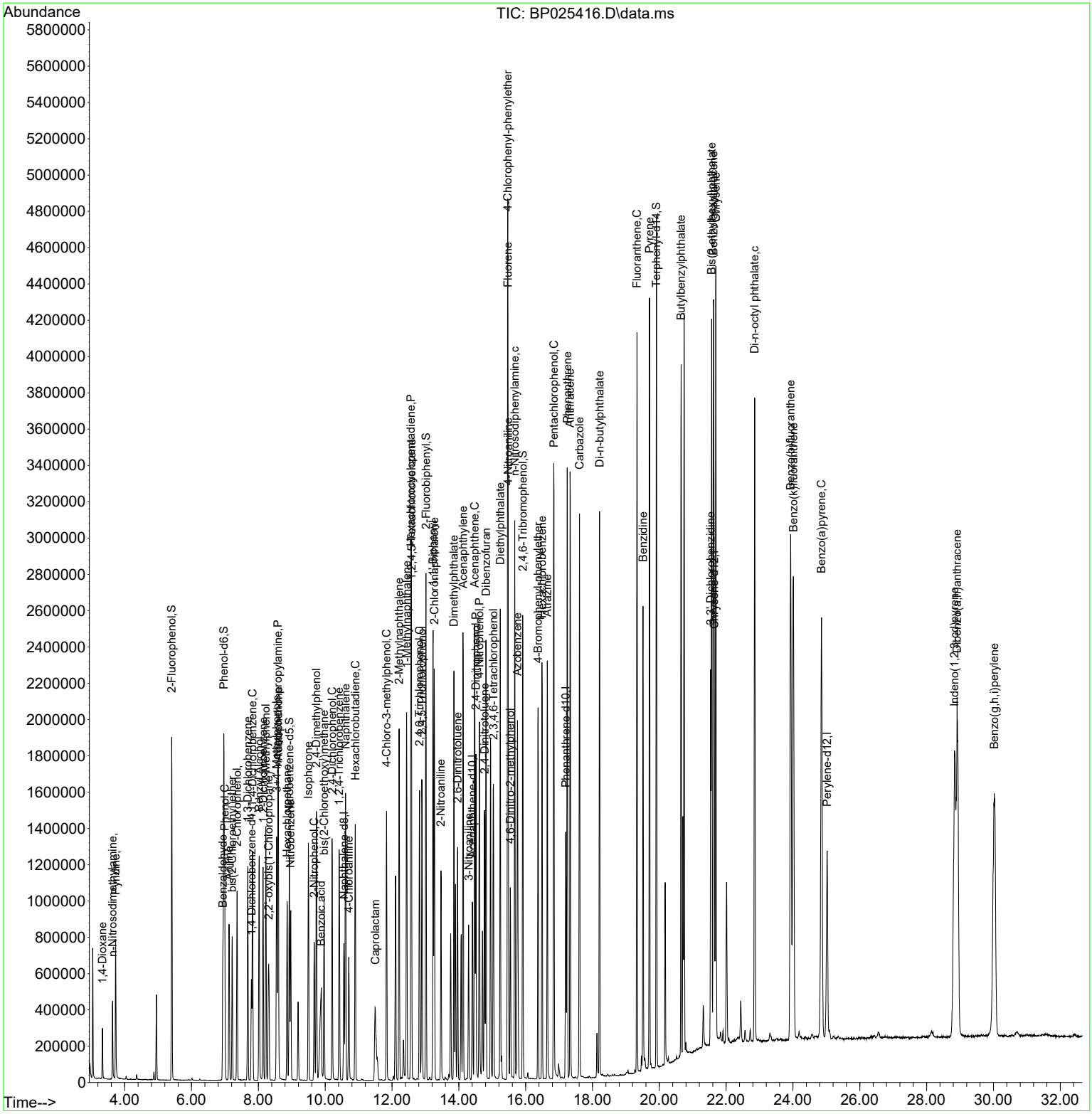
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025416.D
Acq On : 15 Aug 2025 06:29
Operator : CG/JU
Sample : Q2820-17MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 15 08:09:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



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Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p

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

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Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025403.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:33 AM	Jagrut	8/15/2025 12:49:44 PM	Peak Integrated by Software
SSTDCCC040	BP025405.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:31 AM	Jagrut	8/15/2025 12:49:46 PM	Peak Integrated by Software
PB169228BS	BP025407.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:28 AM	Jagrut	8/15/2025 12:49:48 PM	Peak Integrated by Software
Q2820-17MS	BP025415.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:24 AM	Jagrut	8/15/2025 12:49:51 PM	Peak Integrated by Software
Q2820-17MSD	BP025416.D	Caprolactam	Rahul	8/15/2025 9:34:22 AM	Jagrut	8/15/2025 12:49:53 PM	Peak Integrated by Software
Q2820-17MSD	BP025416.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:22 AM	Jagrut	8/15/2025 12:49:53 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Acenaphthene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp081825	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025455.D	Acenaphthene	Rahul	8/19/2025 8:33:39 AM	Jagrut	8/19/2025 8:38:58 AM	Peak Integrated by Software
SSTDCCC040	BP025455.D	Benzaldehyde	Rahul	8/19/2025 8:33:39 AM	Jagrut	8/19/2025 8:38:58 AM	Peak Integrated by Software
Q2832-05	BP025467.D	Benzo(k)fluoranthene	Rahul	8/19/2025 8:33:49 AM	Jagrut	8/19/2025 8:39:07 AM	Peak Integrated by Software
Q2832-05	BP025467.D	Chrysene	Rahul	8/19/2025 8:33:49 AM	Jagrut	8/19/2025 8:39:07 AM	Peak Integrated by Software
Q2832-07	BP025468.D	Benzo(k)fluoranthene	Rahul	8/19/2025 8:33:52 AM	Jagrut	8/19/2025 8:39:10 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp082025	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025504.D	Benzoic acid	Rahul	8/21/2025 2:05:22 PM	mohammad	8/22/2025 8:27:03 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP082225	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025544.D	Indeno(1,2,3-cd)pyrene	rahul	8/25/2025 10:22:13 AM	Jagrut	8/25/2025 7:03:59 PM	Peak Integrated by Software
Q2832-01	BP025547.D	Benzo(k)fluoranthene	rahul	8/25/2025 10:22:17 AM	Jagrut	8/25/2025 7:04:01 PM	Peak Integrated by Software
Q2832-03	BP025548.D	Benzo(k)fluoranthene	rahul	8/25/2025 10:22:20 AM	Jagrut	8/25/2025 7:04:03 PM	Peak Integrated by Software

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

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

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

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

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

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

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

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

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081825

Review By	Rahul	Review On	8/19/2025 8:34:05 AM				
Supervise By	Jagrut	Supervise On	8/19/2025 8:39:20 AM				
SubDirectory	BP081825	HP Acquire Method	BNA_P		HP Processing Method	bp081425	

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025454.D	18 Aug 2025 08:34	CG/JU	Ok
2	SSTDCCC040	BP025455.D	18 Aug 2025 10:39	CG/JU	Ok,M
3	PB169244BL	BP025456.D	18 Aug 2025 11:20	CG/JU	Ok
4	Q2838-05	BP025457.D	18 Aug 2025 12:06	CG/JU	Ok
5	Q2864-01	BP025458.D	18 Aug 2025 12:47	CG/JU	Ok
6	Q2838-01	BP025459.D	18 Aug 2025 13:28	CG/JU	Ok
7	Q2864-03	BP025460.D	18 Aug 2025 14:09	CG/JU	Ok
8	Q2877-01	BP025461.D	18 Aug 2025 14:50	CG/JU	Ok,M
9	Q2853-01	BP025462.D	18 Aug 2025 15:31	CG/JU	Ok
10	Q2883-01	BP025463.D	18 Aug 2025 16:13	CG/JU	Ok,M
11	Q2857-03	BP025464.D	18 Aug 2025 16:54	CG/JU	Ok,M
12	Q2876-01	BP025465.D	18 Aug 2025 17:35	CG/JU	Ok
13	Q2826-01	BP025466.D	18 Aug 2025 18:17	CG/JU	Ok
14	Q2832-05	BP025467.D	18 Aug 2025 18:58	CG/JU	Ok,M
15	Q2832-07	BP025468.D	18 Aug 2025 19:39	CG/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM				
Supervise By	mohammad	Supervise On	8/22/2025 8:27:03 AM				
SubDirectory	BP082025	HP Acquire Method	BNA_P		HP Processing Method	bp081425	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025503.D	20 Aug 2025 11:24	CG/JU	Ok
2	SSTDCCC040	BP025504.D	20 Aug 2025 12:05	CG/JU	Ok,M
3	PB169259BL	BP025505.D	20 Aug 2025 12:46	CG/JU	Not Ok
4	Q2888-01	BP025506.D	20 Aug 2025 13:30	CG/JU	Ok,M
5	Q2884-03	BP025507.D	20 Aug 2025 14:12	CG/JU	Ok
6	Q2884-01	BP025508.D	20 Aug 2025 14:53	CG/JU	Ok
7	Q2865-02	BP025509.D	20 Aug 2025 15:34	CG/JU	Ok,M
8	Q2889-01	BP025510.D	20 Aug 2025 16:15	CG/JU	Ok,M
9	DFTPP	BP025511.D	20 Aug 2025 17:04	CG/JU	Ok
10	SSTDCCC040	BP025512.D	20 Aug 2025 18:27	CG/JU	Ok
11	PB169259BL	BP025513.D	20 Aug 2025 19:08	CG/JU	Ok
12	PB169259BS	BP025514.D	20 Aug 2025 19:49	CG/JU	Ok
13	Q2819-03	BP025515.D	20 Aug 2025 20:30	CG/JU	Ok
14	Q2819-03MS	BP025516.D	20 Aug 2025 21:11	CG/JU	Ok,M
15	Q2819-03MSD	BP025517.D	20 Aug 2025 21:52	CG/JU	Ok,M
16	Q2819-09	BP025518.D	20 Aug 2025 22:32	CG/JU	Ok
17	Q2819-17	BP025519.D	20 Aug 2025 23:13	CG/JU	Ok
18	Q2819-17MS	BP025520.D	20 Aug 2025 23:54	CG/JU	Ok,M
19	Q2819-17MSD	BP025521.D	21 Aug 2025 00:35	CG/JU	Ok,M
20	Q2814-18RE	BP025522.D	21 Aug 2025 01:15	CG/JU	Confirms
21	Q2820-23	BP025523.D	21 Aug 2025 01:56	CG/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:03 AM		
SubDirectory	BP082025	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2819-02	BP025524.D	21 Aug 2025 02:37	CG/JU	Ok
23	Q2815-10	BP025525.D	21 Aug 2025 03:18	CG/JU	Ok
24	SSTDCCC040	BP025526.D	21 Aug 2025 03:59	CG/JU	Ok
25	DFTPP	BP025527.D	21 Aug 2025 06:01	CG/JU	Ok
26	SSTDCCC040	BP025528.D	21 Aug 2025 06:42	CG/JU	Ok
27	PB169285BL	BP025529.D	21 Aug 2025 07:23	CG/JU	Ok
28	PB169285BS	BP025530.D	21 Aug 2025 08:03	CG/JU	Ok,M
29	Q2873-01	BP025531.D	21 Aug 2025 08:44	CG/JU	Ok
30	Q2873-01MS	BP025532.D	21 Aug 2025 09:25	CG/JU	Ok,M
31	Q2873-01MSD	BP025533.D	21 Aug 2025 10:06	CG/JU	Ok,M
32	Q2819-10	BP025534.D	21 Aug 2025 10:50	CG/JU	ReRun
33	Q2819-11	BP025535.D	21 Aug 2025 11:31	CG/JU	ReRun
34	Q2819-12	BP025536.D	21 Aug 2025 12:12	CG/JU	Ok
35	Q2832-09	BP025537.D	21 Aug 2025 12:53	CG/JU	Ok
36	Q2897-01	BP025538.D	21 Aug 2025 13:34	CG/JU	Ok,M
37	Q2819-04	BP025539.D	21 Aug 2025 14:15	CG/JU	ReRun
38	Q2819-16	BP025540.D	21 Aug 2025 14:56	CG/JU	Ok
39	Q2820-15	BP025541.D	21 Aug 2025 15:37	CG/JU	Ok
40	SSTDCCC040	BP025542.D	21 Aug 2025 17:11	CG/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082225

Review By	rahul	Review On	8/25/2025 10:24:30 AM		
Supervise By	Jagrut	Supervise On	8/25/2025 7:04:22 PM		
SubDirectory	BP082225	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

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

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

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

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

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

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

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

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081825

Review By	Rahul	Review On	8/19/2025 8:34:05 AM		
Supervise By	Jagrut	Supervise On	8/19/2025 8:39:20 AM		
SubDirectory	BP081825	HP Acquire Method	BNA_P	HP Processing Method	bp081425

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025454.D	18 Aug 2025 08:34		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025455.D	18 Aug 2025 10:39		CG/JU	Ok,M
3	PB169244BL	PB169244BL	BP025456.D	18 Aug 2025 11:20	End CCC missing.- Use for Non-DOD Projects.	CG/JU	Ok
4	Q2838-05	TP-10	BP025457.D	18 Aug 2025 12:06		CG/JU	Ok
5	Q2864-01	LAW-25-122-126	BP025458.D	18 Aug 2025 12:47		CG/JU	Ok
6	Q2838-01	TP-11	BP025459.D	18 Aug 2025 13:28		CG/JU	Ok
7	Q2864-03	LAW-25-113-121	BP025460.D	18 Aug 2025 14:09		CG/JU	Ok
8	Q2877-01	EO-02-08142025	BP025461.D	18 Aug 2025 14:50		CG/JU	Ok,M
9	Q2853-01	TR-05-081325	BP025462.D	18 Aug 2025 15:31		CG/JU	Ok
10	Q2883-01	RBR2520553	BP025463.D	18 Aug 2025 16:13		CG/JU	Ok,M
11	Q2857-03	72-12002	BP025464.D	18 Aug 2025 16:54		CG/JU	Ok,M
12	Q2876-01	CL-02-08142025	BP025465.D	18 Aug 2025 17:35		CG/JU	Ok
13	Q2826-01	WC1	BP025466.D	18 Aug 2025 18:17		CG/JU	Ok
14	Q2832-05	TG-S03	BP025467.D	18 Aug 2025 18:58		CG/JU	Ok,M
15	Q2832-07	TG-S04	BP025468.D	18 Aug 2025 19:39		CG/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:03 AM		
SubDirectory	BP082025	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025503.D	20 Aug 2025 11:24		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025504.D	20 Aug 2025 12:05		CG/JU	Ok,M
3	PB169259BL	PB169259BL	BP025505.D	20 Aug 2025 12:46	Analyzed for contamination check	CG/JU	Not Ok
4	Q2888-01	VNJ-210	BP025506.D	20 Aug 2025 13:30		CG/JU	Ok,M
5	Q2884-03	302	BP025507.D	20 Aug 2025 14:12		CG/JU	Ok
6	Q2884-01	VNJ-232	BP025508.D	20 Aug 2025 14:53		CG/JU	Ok
7	Q2865-02	ARS10-0047	BP025509.D	20 Aug 2025 15:34		CG/JU	Ok,M
8	Q2889-01	PL-02-081525	BP025510.D	20 Aug 2025 16:15		CG/JU	Ok,M
9	DFTPP	DFTPP	BP025511.D	20 Aug 2025 17:04		CG/JU	Ok
10	SSTDCCC040	SSTDCCC040	BP025512.D	20 Aug 2025 18:27		CG/JU	Ok
11	PB169259BL	PB169259BL	BP025513.D	20 Aug 2025 19:08		CG/JU	Ok
12	PB169259BS	PB169259BS	BP025514.D	20 Aug 2025 19:49		CG/JU	Ok
13	Q2819-03	22BP-W	BP025515.D	20 Aug 2025 20:30		CG/JU	Ok
14	Q2819-03MS	22BP-WMS	BP025516.D	20 Aug 2025 21:11		CG/JU	Ok,M
15	Q2819-03MSD	22BP-WMSD	BP025517.D	20 Aug 2025 21:52		CG/JU	Ok,M
16	Q2819-09	84SB-E	BP025518.D	20 Aug 2025 22:32		CG/JU	Ok
17	Q2819-17	38M-N	BP025519.D	20 Aug 2025 23:13		CG/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:03 AM		
SubDirectory	BP082025	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2819-17MS	38M-NMS	BP025520.D	20 Aug 2025 23:54		CG/JU	Ok,M
19	Q2819-17MSD	38M-NMSD	BP025521.D	21 Aug 2025 00:35		CG/JU	Ok,M
20	Q2814-18RE	TW-518R-NRE	BP025522.D	21 Aug 2025 01:15	Surrogate Fail	CG/JU	Confirms
21	Q2820-23	22M-E	BP025523.D	21 Aug 2025 01:56		CG/JU	Ok
22	Q2819-02	22BP-E	BP025524.D	21 Aug 2025 02:37		CG/JU	Ok
23	Q2815-10	TW-88H-S	BP025525.D	21 Aug 2025 03:18		CG/JU	Ok
24	SSTDCCC040	SSTDCCC040EC	BP025526.D	21 Aug 2025 03:59		CG/JU	Ok
25	DFTPP	DFTPP	BP025527.D	21 Aug 2025 06:01		CG/JU	Ok
26	SSTDCCC040	SSTDCCC040	BP025528.D	21 Aug 2025 06:42		CG/JU	Ok
27	PB169285BL	PB169285BL	BP025529.D	21 Aug 2025 07:23		CG/JU	Ok
28	PB169285BS	PB169285BS	BP025530.D	21 Aug 2025 08:03		CG/JU	Ok,M
29	Q2873-01	DRILL CUTTING 1-3 C	BP025531.D	21 Aug 2025 08:44		CG/JU	Ok
30	Q2873-01MS	DRILL CUTTING 1-3 C	BP025532.D	21 Aug 2025 09:25		CG/JU	Ok,M
31	Q2873-01MSD	DRILL CUTTING 1-3 C	BP025533.D	21 Aug 2025 10:06		CG/JU	Ok,M
32	Q2819-10	84SB-S	BP025534.D	21 Aug 2025 10:50	Surrogate Fail	CG/JU	ReRun
33	Q2819-11	84SB-W	BP025535.D	21 Aug 2025 11:31	Surrogate Fail	CG/JU	ReRun
34	Q2819-12	17M-S	BP025536.D	21 Aug 2025 12:12		CG/JU	Ok
35	Q2832-09	TG-S05	BP025537.D	21 Aug 2025 12:53		CG/JU	Ok
36	Q2897-01	HD-02-08182025	BP025538.D	21 Aug 2025 13:34		CG/JU	Ok,M

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:03 AM		
SubDirectory	BP082025	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	Q2819-04	22BP-S	BP025539.D	21 Aug 2025 14:15	Surrogate Fail	CG/JU	ReRun
38	Q2819-16	38M-S	BP025540.D	21 Aug 2025 14:56		CG/JU	Ok
39	Q2820-15	10P-S	BP025541.D	21 Aug 2025 15:37		CG/JU	Ok
40	SSTDCCC040	SSTDCCC040EC	BP025542.D	21 Aug 2025 17:11		CG/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082225

Review By	rahul	Review On	8/25/2025 10:24:30 AM		
Supervise By	Jagrut	Supervise On	8/25/2025 7:04:22 PM		
SubDirectory	BP082225	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169228

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/13/2025
Matrix :	Solid			**Extraction Start Time :**	09:05
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	08/13/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:15
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2626
Baked Na2SO4	N/A	EP2632
Sand	N/A	E3951
Methylene Chloride	N/A	E3954
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
8/13/25	RS (Extraction)	RC/SVOC
12:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169228

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 08/13/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169228BL	SBLK228	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1			U1-1
PB169228BS	SLCS228	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1			2
Q2820-10	SOIL-DUP-2	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1	E		3
Q2820-11	10PC-W	SVOC-TCL BNA -20	30.09	N/A	ritesh	RUPESH	1	E		4
Q2820-12	10PC-S	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1	E		5
Q2820-13	10P-W	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1	E		6
Q2820-14	10P-E	SVOC-TCL BNA -20	30.08	N/A	ritesh	RUPESH	1	E		U2-1
Q2820-15	10P-S	SVOC-TCL BNA -20	30.06	N/A	ritesh	RUPESH	1	E		2
Q2820-16	10P-N	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1	E		3
Q2820-17	88H-E	SVOC-TCL BNA -20	30.07	N/A	ritesh	RUPESH	1	E		4
Q2820-17MS	88H-EMS	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1	E		5
Q2820-17MSD	88H-EMSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1	E		6
Q2820-18	88H-N	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1	E		U3-1
Q2820-19	88H-W	SVOC-TCL BNA -20	30.08	N/A	ritesh	RUPESH	1	E		2
Q2820-20	88H-S	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1	E		3
Q2820-21	22M-N	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1	E		4
Q2820-22	22M-W	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1	E		5
Q2832-01	TG-S01	SVOC-TCL BNA -20	30.07	N/A	ritesh	RUPESH	1	F		6
Q2832-03	TG-S02	SVOC-TCL BNA -20	30.09	N/A	ritesh	RUPESH	1	F		U6-1
Q2832-05	TG-S03	SVOC-TCL BNA -20	30.06	N/A	ritesh	RUPESH	1	F		2
Q2832-07	TG-S04	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1	F		3
Q2832-09	TG-S05	SVOC-TCL BNA -20	30.08	N/A	ritesh	RUPESH	1	F		4
Q2838-01	TP-11	SVOC-TCL BNA -20	50.02	N/A	ritesh	RUPESH	1	B		5
Q2838-05	TP-10	SVOC-TCL BNA -20	50.05	N/A	ritesh	RUPESH	1	B		6

RS 8/13

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

189236 9:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3820 **WorkList ID :** 191244 **Department :** Extraction **Date :** 08-13-2025 08:33:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2820-10	SOIL-DUP-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-11	10PC-W	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-12	10PC-S	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-13	10P-W	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-14	10P-E	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-15	10P-S	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-16	10P-N	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-17	88H-E	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/08/2025	8270E
Q2820-18	88H-N	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/08/2025	8270E
Q2820-19	88H-W	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/08/2025	8270E
Q2820-20	88H-S	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/08/2025	8270E
Q2820-21	22M-N	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/08/2025	8270E
Q2820-22	22M-W	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/08/2025	8270E
Q2832-01	TG-S01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	J21	08/11/2025	8270E
Q2832-03	TG-S02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	J21	08/11/2025	8270E
Q2832-05	TG-S03	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	J21	08/11/2025	8270E
Q2832-07	TG-S04	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	J21	08/11/2025	8270E
Q2832-09	TG-S05	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	J21	08/12/2025	8270E
Q2838-01	TP-11	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D21	08/12/2025	8270E
Q2838-05	TP-10	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D21	08/12/2025	8270E

Date/Time 08/13/25 9:00
Raw Sample Received by: RJ (CERL-Lab)
Raw Sample Relinquished by:

Date/Time 08/13/25 9:30
Raw Sample Received by:
Raw Sample Relinquished by: RJ (CERL-Lab)

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

LAB CHRONICLE

OrderID:	Q2832	**OrderDate:**	8/12/2025 9:37:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	J21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2832-01	**TG-S01**	**SOIL**			**08/11/25**			**08/12/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/22/25	
Q2832-02	**TG-S01**	**TCLP**			**08/11/25**			**08/12/25**
			TCLP BNA	8270E		08/14/25	08/16/25	
Q2832-03	**TG-S02**	**SOIL**			**08/11/25**			**08/12/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/22/25	
Q2832-04	**TG-S02**	**TCLP**			**08/11/25**			**08/12/25**
			TCLP BNA	8270E		08/14/25	08/16/25	
Q2832-05	**TG-S03**	**SOIL**			**08/11/25**			**08/12/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/18/25	
Q2832-06	**TG-S03**	**TCLP**			**08/11/25**			**08/12/25**
			TCLP BNA	8270E		08/14/25	08/16/25	
Q2832-07	**TG-S04**	**SOIL**			**08/11/25**			**08/12/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/18/25	
Q2832-08	**TG-S04**	**TCLP**			**08/11/25**			**08/12/25**
			TCLP BNA	8270E		08/14/25	08/16/25	
Q2832-09	**TG-S05**	**SOIL**			**08/12/25**			**08/12/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/21/25	
Q2832-10	**TG-S05**	**TCLP**			**08/12/25**			**08/12/25**
			TCLP BNA	8270E		08/14/25	08/18/25	