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

Hit Summary Sheet
SW-846

SDG No.: Q3649

Client: HDR, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**B5-0.0-0.5-20251114**								
Q3649-01	B5-0.0-0.5-20251114	SOIL	1-Heneicosanol	*	82.300	J	0	0	ug/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Benzophenone	*	180.000	J	0	0	ug/Kg
			Total Tics :		**262.30**				
			Total Concentration:		**262.30**				
Client ID :	**DUPE-0.0-0.5-20251114**								
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Phenanthrene		230.000		24.1	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Fluoranthene		400.000		34.6	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Pyrene		280.000		41.5	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo(a)anthracene		180.000	J	26.5	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Chrysene		200.000		22.9	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Bis(2-ethylhexyl)phthalate		110.000	J	68.2	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo(b)fluoranthene		260.000		21.9	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo(k)fluoranthene		100.000	J	25.8	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo(a)pyrene		170.000	J	34	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo(g,h,i)perylene		90.600	J	29.6	200	ug/Kg
			Total Svoc :		**2,020.60**				
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo[e]pyrene	*	120.000	J	0	0	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzophenone	*	160.000	J	0	0	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	n-Hexadecanoic acid	*	240.000	J	0	0	ug/Kg
			Total Tics :		**520.00**				
			Total Concentration:		**2,540.60**				
Client ID :	**B4-0.0-0.5-20251114**								
Q3649-06	B4-0.0-0.5-20251114	SOIL	Benzophenone	*	100.000	J	0	0	ug/Kg
			Total Tics :		**100.00**				
			Total Concentration:		**100.00**				
Client ID :	**B3-0.0-0.5-20251114**								
Q3649-08	B3-0.0-0.5-20251114	SOIL	Benzophenone	*	290.000	J	0	0	ug/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Heptadecyl heptafluorobutyrate	*	150.000	J	0	0	ug/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	n-Hexadecanoic acid	*	200.000	J	0	0	ug/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Phenol, 4,4-(1-methylethylidene)b	*	180.000	J	0	0	ug/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Z-5-Nonadecene	*	99.000	J	0	0	ug/Kg
			Total Tics :		**919.00**				
			Total Concentration:		**919.00**				

SAMPLE DATA

Raw Data: **BG064794.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B5-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-01	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	90.6
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	170	U	1	170	360	ug/Kg	11/17/25 21:28	PB170576
108-95-2	Phenol	24.4	U	1	24.4	190	ug/Kg	11/17/25 21:28	PB170576
111-44-4	bis(2-Chloroethyl)ether	26.8	U	1	26.8	190	ug/Kg	11/17/25 21:28	PB170576
95-57-8	2-Chlorophenol	26.9	U	1	26.9	190	ug/Kg	11/17/25 21:28	PB170576
95-48-7	2-Methylphenol	33.0	U	1	33.0	190	ug/Kg	11/17/25 21:28	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	41.3	U	1	41.3	190	ug/Kg	11/17/25 21:28	PB170576
98-86-2	Acetophenone	32.5	U	1	32.5	190	ug/Kg	11/17/25 21:28	PB170576
65794-96-9	3+4-Methylphenols	45.3	U	1	45.3	360	ug/Kg	11/17/25 21:28	PB170576
621-64-7	n-Nitroso-di-n-propylamine	52.2	U	1	52.2	88.2	ug/Kg	11/17/25 21:28	PB170576
67-72-1	Hexachloroethane	19.4	U	1	19.4	190	ug/Kg	11/17/25 21:28	PB170576
98-95-3	Nitrobenzene	20.2	U	1	20.2	190	ug/Kg	11/17/25 21:28	PB170576
78-59-1	Isophorone	36.2	U	1	36.2	190	ug/Kg	11/17/25 21:28	PB170576
88-75-5	2-Nitrophenol	64.2	U	1	64.2	190	ug/Kg	11/17/25 21:28	PB170576
105-67-9	2,4-Dimethylphenol	71.4	U	1	71.4	190	ug/Kg	11/17/25 21:28	PB170576
111-91-1	bis(2-Chloroethoxy)methane	34.0	U	1	34.0	190	ug/Kg	11/17/25 21:28	PB170576
120-83-2	2,4-Dichlorophenol	31.2	U	1	31.2	190	ug/Kg	11/17/25 21:28	PB170576
91-20-3	Naphthalene	25.0	U	1	25.0	190	ug/Kg	11/17/25 21:28	PB170576
106-47-8	4-Chloroaniline	39.0	UQ	1	39.0	190	ug/Kg	11/17/25 21:28	PB170576
87-68-3	Hexachlorobutadiene	27.9	U	1	27.9	190	ug/Kg	11/17/25 21:28	PB170576
105-60-2	Caprolactam	57.4	U	1	57.4	360	ug/Kg	11/17/25 21:28	PB170576
59-50-7	4-Chloro-3-methylphenol	31.6	U	1	31.6	190	ug/Kg	11/17/25 21:28	PB170576
91-57-6	2-Methylnaphthalene	28.2	U	1	28.2	190	ug/Kg	11/17/25 21:28	PB170576
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	360	ug/Kg	11/17/25 21:28	PB170576
88-06-2	2,4,6-Trichlorophenol	21.8	U	1	21.8	190	ug/Kg	11/17/25 21:28	PB170576
95-95-4	2,4,5-Trichlorophenol	32.1	U	1	32.1	190	ug/Kg	11/17/25 21:28	PB170576
92-52-4	1,1-Biphenyl	24.0	U	1	24.0	190	ug/Kg	11/17/25 21:28	PB170576
91-58-7	2-Chloronaphthalene	24.8	U	1	24.8	190	ug/Kg	11/17/25 21:28	PB170576
88-74-4	2-Nitroaniline	53.0	U	1	53.0	190	ug/Kg	11/17/25 21:28	PB170576
131-11-3	Dimethylphthalate	29.9	U	1	29.9	190	ug/Kg	11/17/25 21:28	PB170576
208-96-8	Acenaphthylene	31.9	U	1	31.9	190	ug/Kg	11/17/25 21:28	PB170576
606-20-2	2,6-Dinitrotoluene	37.0	U	1	37.0	190	ug/Kg	11/17/25 21:28	PB170576
99-09-2	3-Nitroaniline	50.7	UQ	1	50.7	190	ug/Kg	11/17/25 21:28	PB170576
83-32-9	Acenaphthene	23.5	U	1	23.5	190	ug/Kg	11/17/25 21:28	PB170576
51-28-5	2,4-Dinitrophenol	250	U	1	250	360	ug/Kg	11/17/25 21:28	PB170576
100-02-7	4-Nitrophenol	120	U	1	120	360	ug/Kg	11/17/25 21:28	PB170576
132-64-9	Dibenzofuran	25.0	U	1	25.0	190	ug/Kg	11/17/25 21:28	PB170576
121-14-2	2,4-Dinitrotoluene	55.2	U	1	55.2	190	ug/Kg	11/17/25 21:28	PB170576
84-66-2	Diethylphthalate	31.2	U	1	31.2	190	ug/Kg	11/17/25 21:28	PB170576
7005-72-3	4-Chlorophenyl-phenylether	29.4	U	1	29.4	190	ug/Kg	11/17/25 21:28	PB170576
86-73-7	Fluorene	27.9	U	1	27.9	190	ug/Kg	11/17/25 21:28	PB170576
100-01-6	4-Nitroaniline	70.8	U	1	70.8	190	ug/Kg	11/17/25 21:28	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1	110	360	ug/Kg	11/17/25 21:28	PB170576

Raw Data: **BG064794.D**

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

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B5-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-01	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	90.6
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	36.3	U	1	36.3	190	ug/Kg	11/17/25 21:28	PB170576
101-55-3	4-Bromophenyl-phenylether	30.6	U	1	30.6	190	ug/Kg	11/17/25 21:28	PB170576
118-74-1	Hexachlorobenzene	27.9	U	1	27.9	190	ug/Kg	11/17/25 21:28	PB170576
1912-24-9	Atrazine	37.5	U	1	37.5	190	ug/Kg	11/17/25 21:28	PB170576
87-86-5	Pentachlorophenol	56.5	U	1	56.5	360	ug/Kg	11/17/25 21:28	PB170576
85-01-8	Phenanthrene	23.0	U	1	23.0	190	ug/Kg	11/17/25 21:28	PB170576
120-12-7	Anthracene	36.7	U	1	36.7	190	ug/Kg	11/17/25 21:28	PB170576
86-74-8	Carbazole	34.4	U	1	34.4	190	ug/Kg	11/17/25 21:28	PB170576
84-74-2	Di-n-butylphthalate	52.8	U	1	52.8	190	ug/Kg	11/17/25 21:28	PB170576
206-44-0	Fluoranthene	33.1	U	1	33.1	190	ug/Kg	11/17/25 21:28	PB170576
129-00-0	Pyrene	39.7	U	1	39.7	190	ug/Kg	11/17/25 21:28	PB170576
85-68-7	Butylbenzylphthalate	78.7	U	1	78.7	190	ug/Kg	11/17/25 21:28	PB170576
91-94-1	3,3-Dichlorobenzidine	40.5	UQ	1	40.5	360	ug/Kg	11/17/25 21:28	PB170576
56-55-3	Benzo(a)anthracene	25.4	U	1	25.4	190	ug/Kg	11/17/25 21:28	PB170576
218-01-9	Chrysene	21.9	U	1	21.9	190	ug/Kg	11/17/25 21:28	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	65.3	U	1	65.3	190	ug/Kg	11/17/25 21:28	PB170576
117-84-0	Di-n-octyl phthalate	95.7	U	1	95.7	360	ug/Kg	11/17/25 21:28	PB170576
205-99-2	Benzo(b)fluoranthene	20.9	U	1	20.9	190	ug/Kg	11/17/25 21:28	PB170576
207-08-9	Benzo(k)fluoranthene	24.7	U	1	24.7	190	ug/Kg	11/17/25 21:28	PB170576
50-32-8	Benzo(a)pyrene	32.5	U	1	32.5	190	ug/Kg	11/17/25 21:28	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	32.1	U	1	32.1	190	ug/Kg	11/17/25 21:28	PB170576
53-70-3	Dibenzo(a,h)anthracene	30.2	U	1	30.2	190	ug/Kg	11/17/25 21:28	PB170576
191-24-2	Benzo(g,h,i)perylene	28.3	U	1	28.3	190	ug/Kg	11/17/25 21:28	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	28.2	U	1	28.2	190	ug/Kg	11/17/25 21:28	PB170576
123-91-1	1,4-Dioxane	49.8	U	1	49.8	190	ug/Kg	11/17/25 21:28	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	30.2	U	1	30.2	190	ug/Kg	11/17/25 21:28	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	62.0			30 (10) - 130 (105)	41%	SPK: 150		
13127-88-3	Phenol-d6	73.3			30 (10) - 130 (103)	49%	SPK: 150		
4165-60-0	Nitrobenzene-d5	47.5			30 (10) - 130 (108)	47%	SPK: 100		
321-60-8	2-Fluorobiphenyl	50.5			30 (10) - 130 (108)	51%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	37.2	*		30 (10) - 130 (116)	25%	SPK: 150		
1718-51-0	Terphenyl-d14	53.7			30 (10) - 130 (109)	54%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	35600							
1146-65-2	Naphthalene-d8	134000							
15067-26-2	Acenaphthene-d10	106000							
1517-22-2	Phenanthrene-d10	262000							
1719-03-5	Chrysene-d12	348000							
1520-96-3	Perylene-d12	360000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	180	J			16.1	ug/Kg		
015594-90-8	1-Heneicosanol	82.3	J			21.4	ug/Kg		

Raw Data: **BG064794.D**

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

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B5-0.0-0.5-20251114			SDG No.:	Q3649
Lab Sample ID:	Q3649-01			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	90.6
Sample Wt/Vol:	30.04 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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: **BF144272.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-03	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86.5
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	180	U	1	180	380	ug/Kg	11/17/25 17:28	PB170576
108-95-2	Phenol	25.5	U	1	25.5	200	ug/Kg	11/17/25 17:28	PB170576
111-44-4	bis(2-Chloroethyl)ether	28.0	U	1	28.0	200	ug/Kg	11/17/25 17:28	PB170576
95-57-8	2-Chlorophenol	28.1	U	1	28.1	200	ug/Kg	11/17/25 17:28	PB170576
95-48-7	2-Methylphenol	34.5	U	1	34.5	200	ug/Kg	11/17/25 17:28	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	43.2	U	1	43.2	200	ug/Kg	11/17/25 17:28	PB170576
98-86-2	Acetophenone	34.0	U	1	34.0	200	ug/Kg	11/17/25 17:28	PB170576
65794-96-9	3+4-Methylphenols	47.4	U	1	47.4	380	ug/Kg	11/17/25 17:28	PB170576
621-64-7	n-Nitroso-di-n-propylamine	54.6	U	1	54.6	92.2	ug/Kg	11/17/25 17:28	PB170576
67-72-1	Hexachloroethane	20.3	U	1	20.3	200	ug/Kg	11/17/25 17:28	PB170576
98-95-3	Nitrobenzene	21.1	U	1	21.1	200	ug/Kg	11/17/25 17:28	PB170576
78-59-1	Isophorone	37.8	U	1	37.8	200	ug/Kg	11/17/25 17:28	PB170576
88-75-5	2-Nitrophenol	67.1	U	1	67.1	200	ug/Kg	11/17/25 17:28	PB170576
105-67-9	2,4-Dimethylphenol	74.7	U	1	74.7	200	ug/Kg	11/17/25 17:28	PB170576
111-91-1	bis(2-Chloroethoxy)methane	35.5	U	1	35.5	200	ug/Kg	11/17/25 17:28	PB170576
120-83-2	2,4-Dichlorophenol	32.6	U	1	32.6	200	ug/Kg	11/17/25 17:28	PB170576
91-20-3	Naphthalene	26.2	U	1	26.2	200	ug/Kg	11/17/25 17:28	PB170576
106-47-8	4-Chloroaniline	40.8	UQ	1	40.8	200	ug/Kg	11/17/25 17:28	PB170576
87-68-3	Hexachlorobutadiene	29.2	U	1	29.2	200	ug/Kg	11/17/25 17:28	PB170576
105-60-2	Caprolactam	60.1	U	1	60.1	380	ug/Kg	11/17/25 17:28	PB170576
59-50-7	4-Chloro-3-methylphenol	33.1	U	1	33.1	200	ug/Kg	11/17/25 17:28	PB170576
91-57-6	2-Methylnaphthalene	29.5	U	1	29.5	200	ug/Kg	11/17/25 17:28	PB170576
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	380	ug/Kg	11/17/25 17:28	PB170576
88-06-2	2,4,6-Trichlorophenol	22.8	U	1	22.8	200	ug/Kg	11/17/25 17:28	PB170576
95-95-4	2,4,5-Trichlorophenol	33.5	U	1	33.5	200	ug/Kg	11/17/25 17:28	PB170576
92-52-4	1,1-Biphenyl	25.1	U	1	25.1	200	ug/Kg	11/17/25 17:28	PB170576
91-58-7	2-Chloronaphthalene	25.9	U	1	25.9	200	ug/Kg	11/17/25 17:28	PB170576
88-74-4	2-Nitroaniline	55.4	U	1	55.4	200	ug/Kg	11/17/25 17:28	PB170576
131-11-3	Dimethylphthalate	31.2	U	1	31.2	200	ug/Kg	11/17/25 17:28	PB170576
208-96-8	Acenaphthylene	33.3	U	1	33.3	200	ug/Kg	11/17/25 17:28	PB170576
606-20-2	2,6-Dinitrotoluene	38.7	U	1	38.7	200	ug/Kg	11/17/25 17:28	PB170576
99-09-2	3-Nitroaniline	53.0	UQ	1	53.0	200	ug/Kg	11/17/25 17:28	PB170576
83-32-9	Acenaphthene	24.6	U	1	24.6	200	ug/Kg	11/17/25 17:28	PB170576
51-28-5	2,4-Dinitrophenol	260	U	1	260	380	ug/Kg	11/17/25 17:28	PB170576
100-02-7	4-Nitrophenol	120	U	1	120	380	ug/Kg	11/17/25 17:28	PB170576
132-64-9	Dibenzofuran	26.2	U	1	26.2	200	ug/Kg	11/17/25 17:28	PB170576
121-14-2	2,4-Dinitrotoluene	57.7	U	1	57.7	200	ug/Kg	11/17/25 17:28	PB170576
84-66-2	Diethylphthalate	32.6	U	1	32.6	200	ug/Kg	11/17/25 17:28	PB170576
7005-72-3	4-Chlorophenyl-phenylether	30.8	U	1	30.8	200	ug/Kg	11/17/25 17:28	PB170576
86-73-7	Fluorene	29.2	U	1	29.2	200	ug/Kg	11/17/25 17:28	PB170576
100-01-6	4-Nitroaniline	74.0	U	1	74.0	200	ug/Kg	11/17/25 17:28	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	380	ug/Kg	11/17/25 17:28	PB170576

Raw Data: **BF144272.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-03	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86.5
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	37.9	U	1	37.9	200	ug/Kg	11/17/25 17:28	PB170576
101-55-3	4-Bromophenyl-phenylether	32.0	U	1	32.0	200	ug/Kg	11/17/25 17:28	PB170576
118-74-1	Hexachlorobenzene	29.2	U	1	29.2	200	ug/Kg	11/17/25 17:28	PB170576
1912-24-9	Atrazine	39.2	U	1	39.2	200	ug/Kg	11/17/25 17:28	PB170576
87-86-5	Pentachlorophenol	59.1	U	1	59.1	380	ug/Kg	11/17/25 17:28	PB170576
85-01-8	Phenanthrene	230		1	24.1	200	ug/Kg	11/17/25 17:28	PB170576
120-12-7	Anthracene	38.4	U	1	38.4	200	ug/Kg	11/17/25 17:28	PB170576
86-74-8	Carbazole	36.0	U	1	36.0	200	ug/Kg	11/17/25 17:28	PB170576
84-74-2	Di-n-butylphthalate	55.2	U	1	55.2	200	ug/Kg	11/17/25 17:28	PB170576
206-44-0	Fluoranthene	400		1	34.6	200	ug/Kg	11/17/25 17:28	PB170576
129-00-0	Pyrene	280		1	41.5	200	ug/Kg	11/17/25 17:28	PB170576
85-68-7	Butylbenzylphthalate	82.3	U	1	82.3	200	ug/Kg	11/17/25 17:28	PB170576
91-94-1	3,3-Dichlorobenzidine	42.3	UQ	1	42.3	380	ug/Kg	11/17/25 17:28	PB170576
56-55-3	Benzo(a)anthracene	180	J	1	26.5	200	ug/Kg	11/17/25 17:28	PB170576
218-01-9	Chrysene	200		1	22.9	200	ug/Kg	11/17/25 17:28	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	110	J	1	68.2	200	ug/Kg	11/17/25 17:28	PB170576
117-84-0	Di-n-octyl phthalate	100	U	1	100	380	ug/Kg	11/17/25 17:28	PB170576
205-99-2	Benzo(b)fluoranthene	260		1	21.9	200	ug/Kg	11/17/25 17:28	PB170576
207-08-9	Benzo(k)fluoranthene	100	J	1	25.8	200	ug/Kg	11/17/25 17:28	PB170576
50-32-8	Benzo(a)pyrene	170	J	1	34.0	200	ug/Kg	11/17/25 17:28	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	33.5	U	1	33.5	200	ug/Kg	11/17/25 17:28	PB170576
53-70-3	Dibenzo(a,h)anthracene	31.6	U	1	31.6	200	ug/Kg	11/17/25 17:28	PB170576
191-24-2	Benzo(g,h,i)perylene	90.6	J	1	29.6	200	ug/Kg	11/17/25 17:28	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	29.5	U	1	29.5	200	ug/Kg	11/17/25 17:28	PB170576
123-91-1	1,4-Dioxane	52.1	U	1	52.1	200	ug/Kg	11/17/25 17:28	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	31.6	U	1	31.6	200	ug/Kg	11/17/25 17:28	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	65.4			30 (10) - 130 (105)	44%	SPK: 150		
13127-88-3	Phenol-d6	63.5			30 (10) - 130 (103)	42%	SPK: 150		
4165-60-0	Nitrobenzene-d5	45.2			30 (10) - 130 (108)	45%	SPK: 100		
321-60-8	2-Fluorobiphenyl	48.3			30 (10) - 130 (108)	48%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	58.0			30 (10) - 130 (116)	39%	SPK: 150		
1718-51-0	Terphenyl-d14	38.4			30 (10) - 130 (109)	38%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	54900							
1146-65-2	Naphthalene-d8	198000							
15067-26-2	Acenaphthene-d10	98300							
1517-22-2	Phenanthrene-d10	160000							
1719-03-5	Chrysene-d12	127000							
1520-96-3	Perylene-d12	117000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	160	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	240	J			11.9	ug/Kg		

Raw Data: **BF144272.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-03	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86.5
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000192-97-2	Benzo[e]pyrene	120	J			15.4	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: **BG064792.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-06	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	91.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	170	U	1	170	360	ug/Kg	11/17/25 20:07	PB170576
108-95-2	Phenol	24.1	U	1	24.1	190	ug/Kg	11/17/25 20:07	PB170576
111-44-4	bis(2-Chloroethyl)ether	26.5	U	1	26.5	190	ug/Kg	11/17/25 20:07	PB170576
95-57-8	2-Chlorophenol	26.7	U	1	26.7	190	ug/Kg	11/17/25 20:07	PB170576
95-48-7	2-Methylphenol	32.7	U	1	32.7	190	ug/Kg	11/17/25 20:07	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	41.0	U	1	41.0	190	ug/Kg	11/17/25 20:07	PB170576
98-86-2	Acetophenone	32.2	U	1	32.2	190	ug/Kg	11/17/25 20:07	PB170576
65794-96-9	3+4-Methylphenols	44.9	U	1	44.9	360	ug/Kg	11/17/25 20:07	PB170576
621-64-7	n-Nitroso-di-n-propylamine	51.8	U	1	51.8	87.4	ug/Kg	11/17/25 20:07	PB170576
67-72-1	Hexachloroethane	19.2	U	1	19.2	190	ug/Kg	11/17/25 20:07	PB170576
98-95-3	Nitrobenzene	20.0	U	1	20.0	190	ug/Kg	11/17/25 20:07	PB170576
78-59-1	Isophorone	35.8	U	1	35.8	190	ug/Kg	11/17/25 20:07	PB170576
88-75-5	2-Nitrophenol	63.6	U	1	63.6	190	ug/Kg	11/17/25 20:07	PB170576
105-67-9	2,4-Dimethylphenol	70.8	U	1	70.8	190	ug/Kg	11/17/25 20:07	PB170576
111-91-1	bis(2-Chloroethoxy)methane	33.6	U	1	33.6	190	ug/Kg	11/17/25 20:07	PB170576
120-83-2	2,4-Dichlorophenol	30.9	U	1	30.9	190	ug/Kg	11/17/25 20:07	PB170576
91-20-3	Naphthalene	24.8	U	1	24.8	190	ug/Kg	11/17/25 20:07	PB170576
106-47-8	4-Chloroaniline	38.7	UQ	1	38.7	190	ug/Kg	11/17/25 20:07	PB170576
87-68-3	Hexachlorobutadiene	27.6	U	1	27.6	190	ug/Kg	11/17/25 20:07	PB170576
105-60-2	Caprolactam	56.9	U	1	56.9	360	ug/Kg	11/17/25 20:07	PB170576
59-50-7	4-Chloro-3-methylphenol	31.3	U	1	31.3	190	ug/Kg	11/17/25 20:07	PB170576
91-57-6	2-Methylnaphthalene	28.0	U	1	28.0	190	ug/Kg	11/17/25 20:07	PB170576
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	360	ug/Kg	11/17/25 20:07	PB170576
88-06-2	2,4,6-Trichlorophenol	21.6	U	1	21.6	190	ug/Kg	11/17/25 20:07	PB170576
95-95-4	2,4,5-Trichlorophenol	31.8	U	1	31.8	190	ug/Kg	11/17/25 20:07	PB170576
92-52-4	1,1-Biphenyl	23.8	U	1	23.8	190	ug/Kg	11/17/25 20:07	PB170576
91-58-7	2-Chloronaphthalene	24.6	U	1	24.6	190	ug/Kg	11/17/25 20:07	PB170576
88-74-4	2-Nitroaniline	52.5	U	1	52.5	190	ug/Kg	11/17/25 20:07	PB170576
131-11-3	Dimethylphthalate	29.6	U	1	29.6	190	ug/Kg	11/17/25 20:07	PB170576
208-96-8	Acenaphthylene	31.6	U	1	31.6	190	ug/Kg	11/17/25 20:07	PB170576
606-20-2	2,6-Dinitrotoluene	36.7	U	1	36.7	190	ug/Kg	11/17/25 20:07	PB170576
99-09-2	3-Nitroaniline	50.2	UQ	1	50.2	190	ug/Kg	11/17/25 20:07	PB170576
83-32-9	Acenaphthene	23.3	U	1	23.3	190	ug/Kg	11/17/25 20:07	PB170576
51-28-5	2,4-Dinitrophenol	250	U	1	250	360	ug/Kg	11/17/25 20:07	PB170576
100-02-7	4-Nitrophenol	120	U	1	120	360	ug/Kg	11/17/25 20:07	PB170576
132-64-9	Dibenzofuran	24.8	U	1	24.8	190	ug/Kg	11/17/25 20:07	PB170576
121-14-2	2,4-Dinitrotoluene	54.7	U	1	54.7	190	ug/Kg	11/17/25 20:07	PB170576
84-66-2	Diethylphthalate	30.9	U	1	30.9	190	ug/Kg	11/17/25 20:07	PB170576
7005-72-3	4-Chlorophenyl-phenylether	29.2	U	1	29.2	190	ug/Kg	11/17/25 20:07	PB170576
86-73-7	Fluorene	27.6	U	1	27.6	190	ug/Kg	11/17/25 20:07	PB170576
100-01-6	4-Nitroaniline	70.1	U	1	70.1	190	ug/Kg	11/17/25 20:07	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1	110	360	ug/Kg	11/17/25 20:07	PB170576

Raw Data: **BG064792.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-06	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	91.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	35.9	U	1	35.9	190	ug/Kg	11/17/25 20:07	PB170576
101-55-3	4-Bromophenyl-phenylether	30.4	U	1	30.4	190	ug/Kg	11/17/25 20:07	PB170576
118-74-1	Hexachlorobenzene	27.6	U	1	27.6	190	ug/Kg	11/17/25 20:07	PB170576
1912-24-9	Atrazine	37.1	U	1	37.1	190	ug/Kg	11/17/25 20:07	PB170576
87-86-5	Pentachlorophenol	56.0	U	1	56.0	360	ug/Kg	11/17/25 20:07	PB170576
85-01-8	Phenanthrene	22.8	U	1	22.8	190	ug/Kg	11/17/25 20:07	PB170576
120-12-7	Anthracene	36.4	U	1	36.4	190	ug/Kg	11/17/25 20:07	PB170576
86-74-8	Carbazole	34.1	U	1	34.1	190	ug/Kg	11/17/25 20:07	PB170576
84-74-2	Di-n-butylphthalate	52.3	U	1	52.3	190	ug/Kg	11/17/25 20:07	PB170576
206-44-0	Fluoranthene	32.8	U	1	32.8	190	ug/Kg	11/17/25 20:07	PB170576
129-00-0	Pyrene	39.3	U	1	39.3	190	ug/Kg	11/17/25 20:07	PB170576
85-68-7	Butylbenzylphthalate	78.0	U	1	78.0	190	ug/Kg	11/17/25 20:07	PB170576
91-94-1	3,3-Dichlorobenzidine	40.1	UQ	1	40.1	360	ug/Kg	11/17/25 20:07	PB170576
56-55-3	Benzo(a)anthracene	25.1	U	1	25.1	190	ug/Kg	11/17/25 20:07	PB170576
218-01-9	Chrysene	21.7	U	1	21.7	190	ug/Kg	11/17/25 20:07	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	64.7	U	1	64.7	190	ug/Kg	11/17/25 20:07	PB170576
117-84-0	Di-n-octyl phthalate	94.8	U	1	94.8	360	ug/Kg	11/17/25 20:07	PB170576
205-99-2	Benzo(b)fluoranthene	20.8	U	1	20.8	190	ug/Kg	11/17/25 20:07	PB170576
207-08-9	Benzo(k)fluoranthene	24.5	U	1	24.5	190	ug/Kg	11/17/25 20:07	PB170576
50-32-8	Benzo(a)pyrene	32.2	U	1	32.2	190	ug/Kg	11/17/25 20:07	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	31.8	U	1	31.8	190	ug/Kg	11/17/25 20:07	PB170576
53-70-3	Dibenzo(a,h)anthracene	29.9	U	1	29.9	190	ug/Kg	11/17/25 20:07	PB170576
191-24-2	Benzo(g,h,i)perylene	28.1	U	1	28.1	190	ug/Kg	11/17/25 20:07	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	28.0	U	1	28.0	190	ug/Kg	11/17/25 20:07	PB170576
123-91-1	1,4-Dioxane	49.4	U	1	49.4	190	ug/Kg	11/17/25 20:07	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	29.9	U	1	29.9	190	ug/Kg	11/17/25 20:07	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	64.5			30 (10) - 130 (105)	43%	SPK: 150		
13127-88-3	Phenol-d6	63.1			30 (10) - 130 (103)	42%	SPK: 150		
4165-60-0	Nitrobenzene-d5	41.4			30 (10) - 130 (108)	41%	SPK: 100		
321-60-8	2-Fluorobiphenyl	42.8			30 (10) - 130 (108)	43%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	66.3			30 (10) - 130 (116)	44%	SPK: 150		
1718-51-0	Terphenyl-d14	44.7			30 (10) - 130 (109)	45%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	33200							
1146-65-2	Naphthalene-d8	121000							
15067-26-2	Acenaphthene-d10	93400							
1517-22-2	Phenanthrene-d10	234000							
1719-03-5	Chrysene-d12	328000							
1520-96-3	Perylene-d12	336000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	100	J			16.1	ug/Kg		

Raw Data: **BG064792.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114			SDG No.:	Q3649
Lab Sample ID:	Q3649-06			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	91.4
Sample Wt/Vol:	30.05 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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: **BG064795.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-08	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	180	U	1	180	380	ug/Kg	11/17/25 22:09	PB170576
108-95-2	Phenol	25.6	U	1	25.6	200	ug/Kg	11/17/25 22:09	PB170576
111-44-4	bis(2-Chloroethyl)ether	28.2	U	1	28.2	200	ug/Kg	11/17/25 22:09	PB170576
95-57-8	2-Chlorophenol	28.3	U	1	28.3	200	ug/Kg	11/17/25 22:09	PB170576
95-48-7	2-Methylphenol	34.7	U	1	34.7	200	ug/Kg	11/17/25 22:09	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	43.5	U	1	43.5	200	ug/Kg	11/17/25 22:09	PB170576
98-86-2	Acetophenone	34.2	U	1	34.2	200	ug/Kg	11/17/25 22:09	PB170576
65794-96-9	3+4-Methylphenols	47.7	U	1	47.7	380	ug/Kg	11/17/25 22:09	PB170576
621-64-7	n-Nitroso-di-n-propylamine	55.0	U	1	55.0	92.8	ug/Kg	11/17/25 22:09	PB170576
67-72-1	Hexachloroethane	20.4	U	1	20.4	200	ug/Kg	11/17/25 22:09	PB170576
98-95-3	Nitrobenzene	21.2	U	1	21.2	200	ug/Kg	11/17/25 22:09	PB170576
78-59-1	Isophorone	38.0	U	1	38.0	200	ug/Kg	11/17/25 22:09	PB170576
88-75-5	2-Nitrophenol	67.5	U	1	67.5	200	ug/Kg	11/17/25 22:09	PB170576
105-67-9	2,4-Dimethylphenol	75.1	U	1	75.1	200	ug/Kg	11/17/25 22:09	PB170576
111-91-1	bis(2-Chloroethoxy)methane	35.7	U	1	35.7	200	ug/Kg	11/17/25 22:09	PB170576
120-83-2	2,4-Dichlorophenol	32.8	U	1	32.8	200	ug/Kg	11/17/25 22:09	PB170576
91-20-3	Naphthalene	26.3	U	1	26.3	200	ug/Kg	11/17/25 22:09	PB170576
106-47-8	4-Chloroaniline	41.1	UQ	1	41.1	200	ug/Kg	11/17/25 22:09	PB170576
87-68-3	Hexachlorobutadiene	29.3	U	1	29.3	200	ug/Kg	11/17/25 22:09	PB170576
105-60-2	Caprolactam	60.4	U	1	60.4	380	ug/Kg	11/17/25 22:09	PB170576
59-50-7	4-Chloro-3-methylphenol	33.3	U	1	33.3	200	ug/Kg	11/17/25 22:09	PB170576
91-57-6	2-Methylnaphthalene	29.7	U	1	29.7	200	ug/Kg	11/17/25 22:09	PB170576
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	380	ug/Kg	11/17/25 22:09	PB170576
88-06-2	2,4,6-Trichlorophenol	23.0	U	1	23.0	200	ug/Kg	11/17/25 22:09	PB170576
95-95-4	2,4,5-Trichlorophenol	33.7	U	1	33.7	200	ug/Kg	11/17/25 22:09	PB170576
92-52-4	1,1-Biphenyl	25.3	U	1	25.3	200	ug/Kg	11/17/25 22:09	PB170576
91-58-7	2-Chloronaphthalene	26.1	U	1	26.1	200	ug/Kg	11/17/25 22:09	PB170576
88-74-4	2-Nitroaniline	55.8	U	1	55.8	200	ug/Kg	11/17/25 22:09	PB170576
131-11-3	Dimethylphthalate	31.4	U	1	31.4	200	ug/Kg	11/17/25 22:09	PB170576
208-96-8	Acenaphthylene	33.5	U	1	33.5	200	ug/Kg	11/17/25 22:09	PB170576
606-20-2	2,6-Dinitrotoluene	39.0	U	1	39.0	200	ug/Kg	11/17/25 22:09	PB170576
99-09-2	3-Nitroaniline	53.3	UQ	1	53.3	200	ug/Kg	11/17/25 22:09	PB170576
83-32-9	Acenaphthene	24.7	U	1	24.7	200	ug/Kg	11/17/25 22:09	PB170576
51-28-5	2,4-Dinitrophenol	270	U	1	270	380	ug/Kg	11/17/25 22:09	PB170576
100-02-7	4-Nitrophenol	120	U	1	120	380	ug/Kg	11/17/25 22:09	PB170576
132-64-9	Dibenzofuran	26.3	U	1	26.3	200	ug/Kg	11/17/25 22:09	PB170576
121-14-2	2,4-Dinitrotoluene	58.1	U	1	58.1	200	ug/Kg	11/17/25 22:09	PB170576
84-66-2	Diethylphthalate	32.8	U	1	32.8	200	ug/Kg	11/17/25 22:09	PB170576
7005-72-3	4-Chlorophenyl-phenylether	31.0	U	1	31.0	200	ug/Kg	11/17/25 22:09	PB170576
86-73-7	Fluorene	29.3	U	1	29.3	200	ug/Kg	11/17/25 22:09	PB170576
100-01-6	4-Nitroaniline	74.5	U	1	74.5	200	ug/Kg	11/17/25 22:09	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	380	ug/Kg	11/17/25 22:09	PB170576

Raw Data: **BG064795.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-08	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	38.2	U	1	38.2	200	ug/Kg	11/17/25 22:09	PB170576
101-55-3	4-Bromophenyl-phenylether	32.2	U	1	32.2	200	ug/Kg	11/17/25 22:09	PB170576
118-74-1	Hexachlorobenzene	29.3	U	1	29.3	200	ug/Kg	11/17/25 22:09	PB170576
1912-24-9	Atrazine	39.4	U	1	39.4	200	ug/Kg	11/17/25 22:09	PB170576
87-86-5	Pentachlorophenol	59.5	U	1	59.5	380	ug/Kg	11/17/25 22:09	PB170576
85-01-8	Phenanthrene	24.2	U	1	24.2	200	ug/Kg	11/17/25 22:09	PB170576
120-12-7	Anthracene	38.6	U	1	38.6	200	ug/Kg	11/17/25 22:09	PB170576
86-74-8	Carbazole	36.2	U	1	36.2	200	ug/Kg	11/17/25 22:09	PB170576
84-74-2	Di-n-butylphthalate	55.5	U	1	55.5	200	ug/Kg	11/17/25 22:09	PB170576
206-44-0	Fluoranthene	34.8	U	1	34.8	200	ug/Kg	11/17/25 22:09	PB170576
129-00-0	Pyrene	41.7	U	1	41.7	200	ug/Kg	11/17/25 22:09	PB170576
85-68-7	Butylbenzylphthalate	82.8	U	1	82.8	200	ug/Kg	11/17/25 22:09	PB170576
91-94-1	3,3-Dichlorobenzidine	42.6	UQ	1	42.6	380	ug/Kg	11/17/25 22:09	PB170576
56-55-3	Benzo(a)anthracene	26.7	U	1	26.7	200	ug/Kg	11/17/25 22:09	PB170576
218-01-9	Chrysene	23.1	U	1	23.1	200	ug/Kg	11/17/25 22:09	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	68.7	U	1	68.7	200	ug/Kg	11/17/25 22:09	PB170576
117-84-0	Di-n-octyl phthalate	100	U	1	100	380	ug/Kg	11/17/25 22:09	PB170576
205-99-2	Benzo(b)fluoranthene	22.0	U	1	22.0	200	ug/Kg	11/17/25 22:09	PB170576
207-08-9	Benzo(k)fluoranthene	26.0	U	1	26.0	200	ug/Kg	11/17/25 22:09	PB170576
50-32-8	Benzo(a)pyrene	34.2	U	1	34.2	200	ug/Kg	11/17/25 22:09	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	33.7	U	1	33.7	200	ug/Kg	11/17/25 22:09	PB170576
53-70-3	Dibenzo(a,h)anthracene	31.8	U	1	31.8	200	ug/Kg	11/17/25 22:09	PB170576
191-24-2	Benzo(g,h,i)perylene	29.8	U	1	29.8	200	ug/Kg	11/17/25 22:09	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	29.7	U	1	29.7	200	ug/Kg	11/17/25 22:09	PB170576
123-91-1	1,4-Dioxane	52.4	U	1	52.4	200	ug/Kg	11/17/25 22:09	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	31.8	U	1	31.8	200	ug/Kg	11/17/25 22:09	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	121			30 (10) - 130 (105)	81%	SPK: 150		
13127-88-3	Phenol-d6	120			30 (10) - 130 (103)	80%	SPK: 150		
4165-60-0	Nitrobenzene-d5	77.8			30 (10) - 130 (108)	78%	SPK: 100		
321-60-8	2-Fluorobiphenyl	77.8			30 (10) - 130 (108)	78%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	123			30 (10) - 130 (116)	82%	SPK: 150		
1718-51-0	Terphenyl-d14	79.1			30 (10) - 130 (109)	79%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	36100							
1146-65-2	Naphthalene-d8	135000							
15067-26-2	Acenaphthene-d10	107000							
1517-22-2	Phenanthrene-d10	269000							
1719-03-5	Chrysene-d12	356000							
1520-96-3	Perylene-d12	358000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	290	J			16.1	ug/Kg		
000057-10-3	n-Hexadecanoic acid	200	J			18.4	ug/Kg		

Raw Data: **BG064795.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114			SDG No.:	Q3649
Lab Sample ID:	Q3649-08			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	86
Sample Wt/Vol:	30.08 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000080-05-7	Phenol, 4,4-(1-methylethylidene)b	180	J			19.9	ug/Kg		
959085-66-6	Heptadecyl heptafluorobutyrate	150	J			21.4	ug/Kg		
1000131-11-8	Z-5-Nonadecene	99.0	J			24.1	ug/Kg		

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

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

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q3649

Client: HDR, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170576BL	PB170576BL	2-Fluorophenol	150	125	83		30 (10)	130 (105)
		Phenol-d6	150	124	83		30 (10)	130 (103)
		Nitrobenzene-d5	100	89.2	89		30 (10)	130 (108)
		2-Fluorobiphenyl	100	84.9	85		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	142	94		30 (10)	130 (116)
		Terphenyl-d14	100	98.3	98		30 (10)	130 (109)
PB170576BS	PB170576BS	2-Fluorophenol	150	115	77		30 (10)	130 (105)
		Phenol-d6	150	115	77		30 (10)	130 (103)
		Nitrobenzene-d5	100	80.0	80		30 (10)	130 (108)
		2-Fluorobiphenyl	100	79.2	79		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	118	79		30 (10)	130 (116)
		Terphenyl-d14	100	82.5	82		30 (10)	130 (109)
Q3649-01	B5-0.0-0.5-20251114	2-Fluorophenol	150	62.0	41		30 (10)	130 (105)
		Phenol-d6	150	73.3	49		30 (10)	130 (103)
		Nitrobenzene-d5	100	47.5	47		30 (10)	130 (108)
		2-Fluorobiphenyl	100	50.5	51		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	37.2	25	*	30 (10)	130 (116)
		Terphenyl-d14	100	53.7	54		30 (10)	130 (109)
Q3649-03	DUPE-0.0-0.5-20251114	2-Fluorophenol	150	65.4	44		30 (10)	130 (105)
		Phenol-d6	150	63.5	42		30 (10)	130 (103)
		Nitrobenzene-d5	100	45.2	45		30 (10)	130 (108)
		2-Fluorobiphenyl	100	48.3	48		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	58.0	39		30 (10)	130 (116)
		Terphenyl-d14	100	38.4	38		30 (10)	130 (109)
Q3649-06	B4-0.0-0.5-20251114	2-Fluorophenol	150	64.5	43		30 (10)	130 (105)
		Phenol-d6	150	63.1	42		30 (10)	130 (103)
		Nitrobenzene-d5	100	41.4	41		30 (10)	130 (108)
		2-Fluorobiphenyl	100	42.8	43		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	66.3	44		30 (10)	130 (116)
		Terphenyl-d14	100	44.7	45		30 (10)	130 (109)
Q3649-08	B3-0.0-0.5-20251114	2-Fluorophenol	150	121	81		30 (10)	130 (105)
		Phenol-d6	150	120	80		30 (10)	130 (103)
		Nitrobenzene-d5	100	77.8	78		30 (10)	130 (108)
		2-Fluorobiphenyl	100	77.8	78		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	123	82		30 (10)	130 (116)
		Terphenyl-d14	100	79.1	79		30 (10)	130 (109)
Q3649-08MS	B3-0.0-0.5-20251114MS	2-Fluorophenol	150	111	74		30 (10)	130 (105)
		Phenol-d6	150	115	77		30 (10)	130 (103)
		Nitrobenzene-d5	100	72.6	73		30 (10)	130 (108)
		2-Fluorobiphenyl	100	71.8	72		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	111	74		30 (10)	130 (116)
		Terphenyl-d14	100	75.6	76		30 (10)	130 (109)
Q3649-08MSD	B3-0.0-0.5-20251114MSD	2-Fluorophenol	150	107	71		30 (10)	130 (105)
		Phenol-d6	150	111	74		30 (10)	130 (103)
		Nitrobenzene-d5	100	68.7	69		30 (10)	130 (108)
		2-Fluorobiphenyl	100	64.2	64		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	104	69		30 (10)	130 (116)
		Terphenyl-d14	100	72.2	72		30 (10)	130 (109)

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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.: Q3649 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BG064796.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3649-08MS		**Client Sample ID: B3-0.0-0.5-20251114MS**									
Benzaldehyde	1900	0	1300	ug/Kg	68				20 (20)	160 (111)	
Phenol	1900	0	2000	ug/Kg	105				20 (51)	160 (122)	
bis(2-Chloroethyl)ether	1900	0	1800	ug/Kg	95				70 (67)	130 (110)	
2-Chlorophenol	1900	0	1900	ug/Kg	100				70 (67)	130 (119)	
2-Methylphenol	1900	0	1900	ug/Kg	100				70 (68)	130 (116)	
2,2-oxybis(1-Chloropropane)	1900	0	1700	ug/Kg	89				70 (59)	130 (113)	
Acetophenone	1900	0	1800	ug/Kg	95				70 (55)	130 (128)	
3+4-Methylphenols	1900	0	1900	ug/Kg	100				20 (70)	160 (111)	
N-Nitroso-di-n-propylamine	1900	0	1800	ug/Kg	95				70 (59)	130 (119)	
Hexachloroethane	1900	0	1800	ug/Kg	95				20 (65)	160 (115)	
Nitrobenzene	1900	0	1800	ug/Kg	95				70 (66)	130 (120)	
Isophorone	1900	0	1800	ug/Kg	95				70 (67)	130 (113)	
2-Nitrophenol	1900	0	2000	ug/Kg	105				70 (69)	130 (135)	
2,4-Dimethylphenol	1900	0	1900	ug/Kg	100				70 (63)	130 (151)	
bis(2-Chloroethoxy)methane	1900	0	1900	ug/Kg	100				70 (70)	130 (112)	
2,4-Dichlorophenol	1900	0	2000	ug/Kg	105				70 (70)	130 (121)	
Naphthalene	1900	0	1800	ug/Kg	95				70 (66)	130 (113)	
4-Chloroaniline	1900	0	450	ug/Kg	24	*			70 (10)	130 (100)	
Hexachlorobutadiene	1900	0	1700	ug/Kg	89				70 (67)	130 (118)	
Caprolactam	1900	0	1900	ug/Kg	100				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1900	0	2000	ug/Kg	105				70 (71)	130 (118)	
2-Methylnaphthalene	1900	0	1600	ug/Kg	84				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3900	0	3500	ug/Kg	90				20 (16)	160 (175)	
2,4,6-Trichlorophenol	1900	0	1900	ug/Kg	100				70 (67)	130 (128)	
2,4,5-Trichlorophenol	1900	0	1900	ug/Kg	100				70 (69)	130 (123)	
1,1-Biphenyl	1900	0	1900	ug/Kg	100				70 (69)	130 (126)	
2-Chloronaphthalene	1900	0	1800	ug/Kg	95				70 (71)	130 (113)	
2-Nitroaniline	1900	0	2000	ug/Kg	105				70 (73)	130 (125)	
Dimethylphthalate	1900	0	1800	ug/Kg	95				70 (72)	130 (116)	
Acenaphthylene	1900	0	1900	ug/Kg	100				70 (69)	130 (128)	
2,6-Dinitrotoluene	1900	0	2000	ug/Kg	105				70 (67)	130 (141)	
3-Nitroaniline	1900	0	810	ug/Kg	43	*			70 (28)	130 (102)	
Acenaphthene	1900	0	2100	ug/Kg	111				70 (70)	130 (121)	
2,4-Dinitrophenol	3900	0	3800	ug/Kg	97				20 (10)	160 (164)	
4-Nitrophenol	3900	0	4100	ug/Kg	105				20 (49)	160 (133)	
Dibenzofuran	1900	0	1800	ug/Kg	95				70 (71)	130 (111)	
2,4-Dinitrotoluene	1900	0	2000	ug/Kg	105				70 (73)	130 (130)	
Diethylphthalate	1900	0	1800	ug/Kg	95				70 (73)	130 (116)	
4-Chlorophenyl-phenylether	1900	0	1800	ug/Kg	95				70 (72)	130 (112)	
Fluorene	1900	0	1800	ug/Kg	95				70 (67)	130 (114)	
4-Nitroaniline	1900	0	1800	ug/Kg	95				70 (61)	130 (128)	
4,6-Dinitro-2-methylphenol	1900	0	2200	ug/Kg	116				70 (25)	130 (163)	
N-Nitrosodiphenylamine	1900	0	1900	ug/Kg	100				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1900	0	1900	ug/Kg	100				70 (65)	130 (121)	
Hexachlorobenzene	1900	0	1800	ug/Kg	95				70 (67)	130 (118)	
Atrazine	1900	0	1900	ug/Kg	100				70 (79)	130 (127)	

( ) = 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.: Q3649 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BG064796.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3900	0	3900	ug/Kg	100				20 (39)	160 (145)	
Phenanthrene	1900	0	1900	ug/Kg	100				70 (52)	130 (128)	
Anthracene	1900	0	1900	ug/Kg	100				70 (62)	130 (124)	
Carbazole	1900	0	1900	ug/Kg	100				70 (73)	130 (115)	
Di-n-butylphthalate	1900	0	1900	ug/Kg	100				70 (72)	130 (129)	
Fluoranthene	1900	0	1800	ug/Kg	95				70 (31)	130 (152)	
Pyrene	1900	0	2000	ug/Kg	105				70 (37)	130 (122)	
Butylbenzylphthalate	1900	0	2000	ug/Kg	105				70 (59)	130 (151)	
3,3-Dichlorobenzidine	1900	0	770	ug/Kg	41	*			70 (10)	130 (116)	
Benzo(a)anthracene	1900	0	1800	ug/Kg	95				70 (53)	130 (119)	
Chrysene	1900	0	1800	ug/Kg	95				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1900	0	1900	ug/Kg	100				70 (64)	130 (139)	
Di-n-octyl phthalate	1900	0	1900	ug/Kg	100				70 (51)	130 (156)	
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100				70 (52)	130 (117)	
Benzo(k)fluoranthene	1900	0	1900	ug/Kg	100				70 (57)	130 (134)	
Benzo(a)pyrene	1900	0	1900	ug/Kg	100				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1900	0	2000	ug/Kg	105				70 (48)	130 (129)	
Dibenz(a,h)anthracene	1900	0	2000	ug/Kg	105				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1900	0	2000	ug/Kg	105				70 (40)	130 (133)	
1,2,4,5-Tetrachlorobenzene	1900	0	1800	ug/Kg	95				70 (65)	130 (132)	
1,4-Dioxane	1900	0	1600	ug/Kg	84				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1900	0	2000	ug/Kg	105				70 (56)	130 (141)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BG064797.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3649-08MSD		**Client Sample ID: B3-0.0-0.5-20251114MSD**									
Benzaldehyde	1900	0	1200	ug/Kg	63		8		20 (20)	160 (111)	30 (20)
Phenol	1900	0	1900	ug/Kg	100		5		20 (51)	160 (122)	30 (20)
bis(2-Chloroethyl)ether	1900	0	1700	ug/Kg	89		7		70 (67)	130 (110)	30 (20)
2-Chlorophenol	1900	0	1800	ug/Kg	95		5		70 (67)	130 (119)	30 (20)
2-Methylphenol	1900	0	1800	ug/Kg	95		5		70 (68)	130 (116)	30 (20)
2,2-oxybis(1-Chloropropane)	1900	0	1600	ug/Kg	84		6		70 (59)	130 (113)	30 (20)
Acetophenone	1900	0	1700	ug/Kg	89		7		70 (55)	130 (128)	30 (20)
3+4-Methylphenols	1900	0	1800	ug/Kg	95		5		20 (70)	160 (111)	30 (20)
N-Nitroso-di-n-propylamine	1900	0	1700	ug/Kg	89		7		70 (59)	130 (119)	30 (20)
Hexachloroethane	1900	0	1700	ug/Kg	89		7		20 (65)	160 (115)	30 (20)
Nitrobenzene	1900	0	1700	ug/Kg	89		7		70 (66)	130 (120)	30 (20)
Isophorone	1900	0	1700	ug/Kg	89		7		70 (67)	130 (113)	30 (20)
2-Nitrophenol	1900	0	1800	ug/Kg	95		10		70 (69)	130 (135)	30 (16)
2,4-Dimethylphenol	1900	0	1800	ug/Kg	95		5		70 (63)	130 (151)	30 (20)
bis(2-Chloroethoxy)methane	1900	0	1700	ug/Kg	89		12		70 (70)	130 (112)	30 (20)
2,4-Dichlorophenol	1900	0	1900	ug/Kg	100		5		70 (70)	130 (121)	30 (20)
Naphthalene	1900	0	1700	ug/Kg	89		7		70 (66)	130 (113)	30 (20)
4-Chloroaniline	1900	0	400	ug/Kg	21	*	13		70 (10)	130 (100)	30 (25)
Hexachlorobutadiene	1900	0	1600	ug/Kg	84		6		70 (67)	130 (118)	30 (16)
Caprolactam	1900	0	1800	ug/Kg	95		5		20 (51)	160 (134)	30 (25)
4-Chloro-3-methylphenol	1900	0	1800	ug/Kg	95		10		70 (71)	130 (118)	30 (20)
2-Methylnaphthalene	1900	0	1500	ug/Kg	79		6		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3900	0	3100	ug/Kg	79		13		20 (16)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1900	0	1800	ug/Kg	95		5		70 (67)	130 (128)	30 (16)
2,4,5-Trichlorophenol	1900	0	1800	ug/Kg	95		5		70 (69)	130 (123)	30 (16)
1,1-Biphenyl	1900	0	1700	ug/Kg	89		12		70 (69)	130 (126)	30 (20)
2-Chloronaphthalene	1900	0	1700	ug/Kg	89		7		70 (71)	130 (113)	30 (20)
2-Nitroaniline	1900	0	1700	ug/Kg	89		16		70 (73)	130 (125)	30 (16)
Dimethylphthalate	1900	0	1700	ug/Kg	89		7		70 (72)	130 (116)	30 (20)
Acenaphthylene	1900	0	1700	ug/Kg	89		12		70 (69)	130 (128)	30 (15)
2,6-Dinitrotoluene	1900	0	1900	ug/Kg	100		5		70 (67)	130 (141)	30 (20)
3-Nitroaniline	1900	0	770	ug/Kg	41	*	5		70 (28)	130 (102)	30 (20)
Acenaphthene	1900	0	1900	ug/Kg	100		10		70 (70)	130 (121)	30 (16)
2,4-Dinitrophenol	3900	0	3600	ug/Kg	92		5		20 (10)	160 (164)	30 (30)
4-Nitrophenol	3900	0	3800	ug/Kg	97		8		20 (49)	160 (133)	30 (20)
Dibenzofuran	1900	0	1700	ug/Kg	89		7		70 (71)	130 (111)	30 (20)
2,4-Dinitrotoluene	1900	0	1800	ug/Kg	95		10		70 (73)	130 (130)	30 (20)
Diethylphthalate	1900	0	1700	ug/Kg	89		7		70 (73)	130 (116)	30 (20)
4-Chlorophenyl-phenylether	1900	0	1600	ug/Kg	84		12		70 (72)	130 (112)	30 (20)
Fluorene	1900	0	1700	ug/Kg	89		7		70 (67)	130 (114)	30 (20)
4-Nitroaniline	1900	0	1700	ug/Kg	89		7		70 (61)	130 (128)	30 (20)
4,6-Dinitro-2-methylphenol	1900	0	2000	ug/Kg	105		10		70 (25)	130 (163)	30 (30)
N-Nitrosodiphenylamine	1900	0	1800	ug/Kg	95		5		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1900	0	1700	ug/Kg	89		12		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1900	0	1700	ug/Kg	89		7		70 (67)	130 (118)	30 (20)
Atrazine	1900	0	1700	ug/Kg	89		12		70 (79)	130 (127)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BG064797.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	3900	0	3600	ug/Kg	92		8		20 (39)	160 (145)	30 (20)
Phenanthrene	1900	0	1700	ug/Kg	89		12		70 (52)	130 (128)	30 (20)
Anthracene	1900	0	1700	ug/Kg	89		12		70 (62)	130 (124)	30 (20)
Carbazole	1900	0	1700	ug/Kg	89		12		70 (73)	130 (115)	30 (20)
Di-n-butylphthalate	1900	0	1700	ug/Kg	89		12		70 (72)	130 (129)	30 (20)
Fluoranthene	1900	0	1600	ug/Kg	84		12		70 (31)	130 (152)	30 (20)
Pyrene	1900	0	1900	ug/Kg	100		5		70 (37)	130 (122)	30 (27)
Butylbenzylphthalate	1900	0	1800	ug/Kg	95		10		70 (59)	130 (151)	30 (20)
3,3-Dichlorobenzidine	1900	0	720	ug/Kg	38	*	8		70 (10)	130 (116)	30 (20)
Benzo(a)anthracene	1900	0	1700	ug/Kg	89		7		70 (53)	130 (119)	30 (20)
Chrysene	1900	0	1700	ug/Kg	89		7		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1900	0	1800	ug/Kg	95		5		70 (64)	130 (139)	30 (20)
Di-n-octyl phthalate	1900	0	1700	ug/Kg	89		12		70 (51)	130 (156)	30 (20)
Benzo(b)fluoranthene	1900	0	1700	ug/Kg	89		12		70 (52)	130 (117)	30 (20)
Benzo(k)fluoranthene	1900	0	1700	ug/Kg	89		12		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1900	0	1800	ug/Kg	95		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1900	0	1800	ug/Kg	95		10		70 (48)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1900	0	1900	ug/Kg	100		5		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1900	0	1800	ug/Kg	95		10		70 (40)	130 (133)	30 (20)
1,2,4,5-Tetrachlorobenzene	1900	0	1700	ug/Kg	89		7		70 (65)	130 (132)	30 (20)
1,4-Dioxane	1900	0	1400	ug/Kg	74		13		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1900	0	1900	ug/Kg	100		5		70 (56)	130 (141)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** 8270E

Client: HDR, Inc. **DataFile:** BF144265.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170576BS	Benzaldehyde	1700	890	ug/Kg	52				20 (10)	160 (133)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				70 (60)	130 (101)	
	2-Chlorophenol	1700	1400	ug/Kg	82				70 (65)	130 (112)	
	2-Methylphenol	1700	1400	ug/Kg	82				70 (74)	130 (105)	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				70 (51)	130 (100)	
	Acetophenone	1700	1600	ug/Kg	94				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1400	ug/Kg	82				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	1400	ug/Kg	82				70 (75)	130 (100)	
	Isophorone	1700	1400	ug/Kg	82				70 (59)	130 (99)	
	2-Nitrophenol	1700	1400	ug/Kg	82				70 (75)	130 (113)	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				70 (61)	130 (130)	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	830	ug/Kg	49		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				70 (68)	130 (108)	
	Caprolactam	1700	1500	ug/Kg	88				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				70 (74)	130 (106)	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	2800	ug/Kg	85				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				70 (74)	130 (110)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (71)	130 (110)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (70)	130 (103)	
	2-Nitroaniline	1700	1500	ug/Kg	88				70 (66)	130 (101)	
	Dimethylphthalate	1700	1500	ug/Kg	88				70 (76)	130 (101)	
	Acenaphthylene	1700	1600	ug/Kg	94				70 (76)	130 (111)	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				70 (78)	130 (116)	
	3-Nitroaniline	1700	1000	ug/Kg	59		*		70 (28)	130 (100)	
	Acenaphthene	1700	1500	ug/Kg	88				70 (73)	130 (105)	
	2,4-Dinitrophenol	3300	2500	ug/Kg	76				20 (59)	160 (137)	
	4-Nitrophenol	3300	2300	ug/Kg	70				20 (60)	160 (124)	
	Dibenzofuran	1700	1400	ug/Kg	82				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				70 (78)	130 (115)	
	Diethylphthalate	1700	1400	ug/Kg	82				70 (76)	130 (104)	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				70 (73)	130 (101)	
	Fluorene	1700	1400	ug/Kg	82				70 (75)	130 (99)	
	4-Nitroaniline	1700	1300	ug/Kg	76				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				70 (66)	130 (102)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** 8270E

Client: HDR, Inc. **DataFile:** BF144265.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170576BS	Hexachlorobenzene	1700	1500	ug/Kg	88				70 (64)	130 (98)	
	Atrazine	1700	1500	ug/Kg	88				70 (71)	130 (122)	
	Pentachlorophenol	3300	2800	ug/Kg	85				20 (56)	160 (129)	
	Phenanthrene	1700	1500	ug/Kg	88				70 (75)	130 (100)	
	Anthracene	1700	1400	ug/Kg	82				70 (75)	130 (103)	
	Carbazole	1700	1400	ug/Kg	82				70 (76)	130 (103)	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				70 (76)	130 (110)	
	Fluoranthene	1700	1400	ug/Kg	82				70 (73)	130 (105)	
	Pyrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1400	ug/Kg	82				70 (75)	130 (120)	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65		*		70 (31)	130 (94)	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (75)	130 (104)	
	Chrysene	1700	1400	ug/Kg	82				70 (75)	130 (103)	
	bis(2-Ethylhexyl)phthalate	1700	1300	ug/Kg	76				70 (77)	130 (113)	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				70 (76)	130 (110)	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				70 (75)	130 (108)	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				70 (79)	130 (109)	
	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	1600	ug/Kg	94				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				70 (53)	130 (101)	
	1,4-Dioxane	1700	1200	ug/Kg	71				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (71)	130 (118)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170576BL

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3649

Lab File ID: BF144264.D | Lab Sample ID: PB170576BL

Instrument ID: BNA_F | Date Extracted: 11/17/2025

Matrix: (soil/water) SOIL | Date Analyzed: 11/17/2025

Level: (low/med) LOW | Time Analyzed: 13:21

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170576BS	PB170576BS	BF144265.D	11/17/2025
DUPE-0.0-0.5-20251114	Q3649-03	BF144272.D	11/17/2025
B4-0.0-0.5-20251114	Q3649-06	BG064792.D	11/17/2025
B5-0.0-0.5-20251114	Q3649-01	BG064794.D	11/17/2025
B3-0.0-0.5-20251114	Q3649-08	BG064795.D	11/17/2025
B3-0.0-0.5-20251114MS	Q3649-08MS	BG064796.D	11/17/2025
B3-0.0-0.5-20251114MSD	Q3649-08MSD	BG064797.D	11/17/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3649

Lab File ID: BF144168.D DFTPP Injection Date: 11/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	24.5
70	Less than 2.0% of mass 69	0.1 (0.6) 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	5.2
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	15.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF144169.D	11/05/2025	12:50
SSTDICC005	SSTDICC005	BF144170.D	11/05/2025	13:20
SSTDICC010	SSTDICC010	BF144171.D	11/05/2025	13:50
SSTDICC020	SSTDICC020	BF144172.D	11/05/2025	14:20
SSTDICCC040	SSTDICCC040	BF144173.D	11/05/2025	14:50
SSTDICC050	SSTDICC050	BF144174.D	11/05/2025	15:49
SSTDICC060	SSTDICC060	BF144175.D	11/05/2025	16:19
SSTDICC080	SSTDICC080	BF144176.D	11/05/2025	16:49

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3649

Lab File ID: BF144262.D DFTPP Injection Date: 11/17/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.7) 1
69	Mass 69 relative abundance	24.5
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.1
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	16.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144263.D	11/17/2025	12:52
PB170576BL	PB170576BL	BF144264.D	11/17/2025	13:21
PB170576BS	PB170576BS	BF144265.D	11/17/2025	13:52
DUPE-0.0-0.5-20251114	Q3649-03	BF144272.D	11/17/2025	17:28

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3649

Lab File ID: BG064744.D DFTPP Injection Date: 11/12/2025

Instrument ID: BNA_G DFTPP Injection Time: 10:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	25.2
70	Less than 2.0% of mass 69	0.1 (0.2) 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	4.9
441	Present, but less than mass 443	16
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064745.D	11/12/2025	11:17
SSTDICC005	SSTDICC005	BG064746.D	11/12/2025	11:58
SSTDICC010	SSTDICC010	BG064747.D	11/12/2025	12:39
SSTDICC020	SSTDICC020	BG064748.D	11/12/2025	13:20
SSTDICCC040	SSTDICCC040	BG064749.D	11/12/2025	14:00
SSTDICC050	SSTDICC050	BG064750.D	11/12/2025	14:41
SSTDICC060	SSTDICC060	BG064751.D	11/12/2025	15:23
SSTDICC080	SSTDICC080	BG064752.D	11/12/2025	16:04

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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3649

Lab File ID: BG064783.D | DFTPP Injection Date: 11/17/2025

Instrument ID: BNA_G | DFTPP Injection Time: 12:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.9) 1
69	Mass 69 relative abundance	23.3
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	6.1
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064784.D	11/17/2025	13:23
B4-0.0-0.5-20251114	Q3649-06	BG064792.D	11/17/2025	20:07
B5-0.0-0.5-20251114	Q3649-01	BG064794.D	11/17/2025	21:28
B3-0.0-0.5-20251114	Q3649-08	BG064795.D	11/17/2025	22:09
B3-0.0-0.5-20251114MS	Q3649-08MS	BG064796.D	11/17/2025	22:50
B3-0.0-0.5-20251114MSD	Q3649-08MSD	BG064797.D	11/17/2025	23:31

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3649

Client ID : SSTDCCC040 Date Analyzed: 11/17/2025

Lab File ID: BF144263.D Time Analyzed: 12:52

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	51819	6.869	191465	8.15	106334	9.90
	UPPER LIMIT	103638	7.369	382930	8.651	212668	10.404
	LOWER LIMIT	25909.5	6.369	95732.5	7.651	53167	9.404
	EPA SAMPLE NO.						
01	PB170576BL	66285	6.86	255338	8.15	147126	9.90
02	PB170576BS	57508	6.87	224965	8.15	126893	9.91
03	DUPE-0.0-0.5-20251114	54942	6.87	197870	8.15	98301	9.90

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.: Q3649

Client ID: SSTDCCC040 Date Analyzed: 11/17/2025

Lab File ID: BF144263.D Time Analyzed: 12:52

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	166797	11.398	104164	14.045	157386	15.527
	UPPER LIMIT	333594	11.898	208328	14.545	314772	16.027
	LOWER LIMIT	83398.5	10.898	52082	13.545	78693	15.027
	EPA SAMPLE NO.						
01	PB170576BL	272429	11.40	161260	14.05	184176	15.53
02	PB170576BS	214778	11.40	127678	14.05	154286	15.53
03	DUPE-0.0-0.5-20251114	159918	11.40	126617	14.05	116785	15.53

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.: Q3649

Client ID : SSTDCCC040 Date Analyzed: 11/17/2025

Lab File ID: BG064784.D Time Analyzed: 13:23

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	39415	8.17	157593	10.98	128699	14.77
	UPPER LIMIT	78830	8.67	315186	11.484	257398	15.274
	LOWER LIMIT	19707.5	7.67	78796.5	10.484	64349.5	14.274
	EPA SAMPLE NO.						
01	B5-0.0-0.5-20251114	35573	8.16	134204	10.98	105983	14.77
02	B4-0.0-0.5-20251114	33180	8.17	121269	10.98	93445	14.78
03	B3-0.0-0.5-20251114	36122	8.16	135327	10.98	107446	14.77
04	B3-0.0-0.5-20251114MS	35648	8.17	137981	10.98	109267	14.77
05	B3-0.0-0.5-20251114MSD	39734	8.16	157606	10.98	130879	14.77

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.: Q3649

Client ID: SSTDCCC040 Date Analyzed: 11/17/2025

Lab File ID: BG064784.D Time Analyzed: 13:23

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	344592	17.506	431754	21.76	428890	25.021
	UPPER LIMIT	689184	18.006	863508	22.26	857780	25.521
	LOWER LIMIT	172296	17.006	215877	21.26	214445	24.521
	EPA SAMPLE NO.						
01	B5-0.0-0.5-20251114	261717	17.50	348460	21.75	360076	25.01
02	B4-0.0-0.5-20251114	234373	17.50	327722	21.75	336150	25.01
03	B3-0.0-0.5-20251114	269264	17.50	355916	21.75	358460	25.01
04	B3-0.0-0.5-20251114MS	264688	17.50	332562	21.76	341639	25.01
05	B3-0.0-0.5-20251114MSD	316710	17.50	371983	21.75	376972	25.01

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

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

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

QC SAMPLE DATA

Raw Data: **BF144264.D**

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

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170576BL	SDG No.:	Q3649
Lab Sample ID:	PB170576BL	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	160	U	1	160	330	ug/Kg	11/17/25 13:21	PB170576
108-95-2	Phenol	22.1	U	1	22.1	170	ug/Kg	11/17/25 13:21	PB170576
111-44-4	bis(2-Chloroethyl)ether	24.3	U	1	24.3	170	ug/Kg	11/17/25 13:21	PB170576
95-57-8	2-Chlorophenol	24.4	U	1	24.4	170	ug/Kg	11/17/25 13:21	PB170576
95-48-7	2-Methylphenol	29.9	U	1	29.9	170	ug/Kg	11/17/25 13:21	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	1	37.5	170	ug/Kg	11/17/25 13:21	PB170576
98-86-2	Acetophenone	29.5	U	1	29.5	170	ug/Kg	11/17/25 13:21	PB170576
65794-96-9	3+4-Methylphenols	41.1	U	1	41.1	330	ug/Kg	11/17/25 13:21	PB170576
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	1	47.4	79.9	ug/Kg	11/17/25 13:21	PB170576
67-72-1	Hexachloroethane	17.6	U	1	17.6	170	ug/Kg	11/17/25 13:21	PB170576
98-95-3	Nitrobenzene	18.3	U	1	18.3	170	ug/Kg	11/17/25 13:21	PB170576
78-59-1	Isophorone	32.8	U	1	32.8	170	ug/Kg	11/17/25 13:21	PB170576
88-75-5	2-Nitrophenol	58.1	U	1	58.1	170	ug/Kg	11/17/25 13:21	PB170576
105-67-9	2,4-Dimethylphenol	64.7	U	1	64.7	170	ug/Kg	11/17/25 13:21	PB170576
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	1	30.8	170	ug/Kg	11/17/25 13:21	PB170576
120-83-2	2,4-Dichlorophenol	28.3	U	1	28.3	170	ug/Kg	11/17/25 13:21	PB170576
91-20-3	Naphthalene	22.7	U	1	22.7	170	ug/Kg	11/17/25 13:21	PB170576
106-47-8	4-Chloroaniline	35.4	U	1	35.4	170	ug/Kg	11/17/25 13:21	PB170576
87-68-3	Hexachlorobutadiene	25.3	U	1	25.3	170	ug/Kg	11/17/25 13:21	PB170576
105-60-2	Caprolactam	52.0	U	1	52.0	330	ug/Kg	11/17/25 13:21	PB170576
59-50-7	4-Chloro-3-methylphenol	28.7	U	1	28.7	170	ug/Kg	11/17/25 13:21	PB170576
91-57-6	2-Methylnaphthalene	25.6	U	1	25.6	170	ug/Kg	11/17/25 13:21	PB170576
77-47-4	Hexachlorocyclopentadiene	120	U	1	120	330	ug/Kg	11/17/25 13:21	PB170576
88-06-2	2,4,6-Trichlorophenol	19.8	U	1	19.8	170	ug/Kg	11/17/25 13:21	PB170576
95-95-4	2,4,5-Trichlorophenol	29.1	U	1	29.1	170	ug/Kg	11/17/25 13:21	PB170576
92-52-4	1,1-Biphenyl	21.8	U	1	21.8	170	ug/Kg	11/17/25 13:21	PB170576
91-58-7	2-Chloronaphthalene	22.5	U	1	22.5	170	ug/Kg	11/17/25 13:21	PB170576
88-74-4	2-Nitroaniline	48.1	U	1	48.1	170	ug/Kg	11/17/25 13:21	PB170576
131-11-3	Dimethylphthalate	27.1	U	1	27.1	170	ug/Kg	11/17/25 13:21	PB170576
208-96-8	Acenaphthylene	28.9	U	1	28.9	170	ug/Kg	11/17/25 13:21	PB170576
606-20-2	2,6-Dinitrotoluene	33.6	U	1	33.6	170	ug/Kg	11/17/25 13:21	PB170576
99-09-2	3-Nitroaniline	46.0	U	1	46.0	170	ug/Kg	11/17/25 13:21	PB170576
83-32-9	Acenaphthene	21.3	U	1	21.3	170	ug/Kg	11/17/25 13:21	PB170576
51-28-5	2,4-Dinitrophenol	230	U	1	230	330	ug/Kg	11/17/25 13:21	PB170576
100-02-7	4-Nitrophenol	110	U	1	110	330	ug/Kg	11/17/25 13:21	PB170576
132-64-9	Dibenzofuran	22.7	U	1	22.7	170	ug/Kg	11/17/25 13:21	PB170576
121-14-2	2,4-Dinitrotoluene	50.0	U	1	50.0	170	ug/Kg	11/17/25 13:21	PB170576
84-66-2	Diethylphthalate	28.3	U	1	28.3	170	ug/Kg	11/17/25 13:21	PB170576
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	1	26.7	170	ug/Kg	11/17/25 13:21	PB170576
86-73-7	Fluorene	25.3	U	1	25.3	170	ug/Kg	11/17/25 13:21	PB170576
100-01-6	4-Nitroaniline	64.1	U	1	64.1	170	ug/Kg	11/17/25 13:21	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1	100	330	ug/Kg	11/17/25 13:21	PB170576

Raw Data: **BF144264.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170576BL			SDG No.:	Q3649
Lab Sample ID:	PB170576BL			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	32.9	U	1	32.9	170	ug/Kg	11/17/25 13:21	PB170576
101-55-3	4-Bromophenyl-phenylether	27.8	U	1	27.8	170	ug/Kg	11/17/25 13:21	PB170576
118-74-1	Hexachlorobenzene	25.3	U	1	25.3	170	ug/Kg	11/17/25 13:21	PB170576
1912-24-9	Atrazine	34.0	U	1	34.0	170	ug/Kg	11/17/25 13:21	PB170576
87-86-5	Pentachlorophenol	51.2	U	1	51.2	330	ug/Kg	11/17/25 13:21	PB170576
85-01-8	Phenanthrene	20.9	U	1	20.9	170	ug/Kg	11/17/25 13:21	PB170576
120-12-7	Anthracene	33.3	U	1	33.3	170	ug/Kg	11/17/25 13:21	PB170576
86-74-8	Carbazole	31.2	U	1	31.2	170	ug/Kg	11/17/25 13:21	PB170576
84-74-2	Di-n-butylphthalate	47.9	U	1	47.9	170	ug/Kg	11/17/25 13:21	PB170576
206-44-0	Fluoranthene	30.0	U	1	30.0	170	ug/Kg	11/17/25 13:21	PB170576
129-00-0	Pyrene	36.0	U	1	36.0	170	ug/Kg	11/17/25 13:21	PB170576
85-68-7	Butylbenzylphthalate	71.3	U	1	71.3	170	ug/Kg	11/17/25 13:21	PB170576
91-94-1	3,3-Dichlorobenzidine	36.7	U	1	36.7	330	ug/Kg	11/17/25 13:21	PB170576
56-55-3	Benzo(a)anthracene	23.0	U	1	23.0	170	ug/Kg	11/17/25 13:21	PB170576
218-01-9	Chrysene	19.9	U	1	19.9	170	ug/Kg	11/17/25 13:21	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	59.1	U	1	59.1	170	ug/Kg	11/17/25 13:21	PB170576
117-84-0	Di-n-octyl phthalate	86.7	U	1	86.7	330	ug/Kg	11/17/25 13:21	PB170576
205-99-2	Benzo(b)fluoranthene	19.0	U	1	19.0	170	ug/Kg	11/17/25 13:21	PB170576
207-08-9	Benzo(k)fluoranthene	22.4	U	1	22.4	170	ug/Kg	11/17/25 13:21	PB170576
50-32-8	Benzo(a)pyrene	29.5	U	1	29.5	170	ug/Kg	11/17/25 13:21	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	1	29.1	170	ug/Kg	11/17/25 13:21	PB170576
53-70-3	Dibenzo(a,h)anthracene	27.4	U	1	27.4	170	ug/Kg	11/17/25 13:21	PB170576
191-24-2	Benzo(g,h,i)perylene	25.7	U	1	25.7	170	ug/Kg	11/17/25 13:21	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	1	25.6	170	ug/Kg	11/17/25 13:21	PB170576
123-91-1	1,4-Dioxane	45.2	U	1	45.2	170	ug/Kg	11/17/25 13:21	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	1	27.4	170	ug/Kg	11/17/25 13:21	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	125			30 (10) - 130 (105)	83%	SPK: 150		
13127-88-3	Phenol-d6	124			30 (10) - 130 (103)	83%	SPK: 150		
4165-60-0	Nitrobenzene-d5	89.2			30 (10) - 130 (108)	89%	SPK: 100		
321-60-8	2-Fluorobiphenyl	84.9			30 (10) - 130 (108)	85%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	142			30 (10) - 130 (116)	94%	SPK: 150		
1718-51-0	Terphenyl-d14	98.3			30 (10) - 130 (109)	98%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	66300							
1146-65-2	Naphthalene-d8	255000							
15067-26-2	Acenaphthene-d10	147000							
1517-22-2	Phenanthrene-d10	272000							
1719-03-5	Chrysene-d12	161000							
1520-96-3	Perylene-d12	184000							
TENTATIVE IDENTIFIED COMPOUNDS									
000630-04-6	Hentriacontane	78.6	J			16.0	ug/Kg		
000630-01-3	Hexacosane	94.2	J			16.5	ug/Kg		

Raw Data: **BF144264.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170576BL			SDG No.:	Q3649
Lab Sample ID:	PB170576BL			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
007098-22-8	Tetratetracontane	76.3	J			17.1	ug/Kg		
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	190	J			17.2	ug/Kg		
000629-99-2	Pentacosane	79.3	J			17.8	ug/Kg		

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

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

Raw Data: **BF144265.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170576BS	SDG No.:	Q3649
Lab Sample ID:	PB170576BS	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	890		1	160	330	ug/Kg	11/17/25 13:52	PB170576
108-95-2	Phenol	1400		1	22.1	170	ug/Kg	11/17/25 13:52	PB170576
111-44-4	bis(2-Chloroethyl)ether	1400		1	24.3	170	ug/Kg	11/17/25 13:52	PB170576
95-57-8	2-Chlorophenol	1400		1	24.4	170	ug/Kg	11/17/25 13:52	PB170576
95-48-7	2-Methylphenol	1400		1	29.9	170	ug/Kg	11/17/25 13:52	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	1400		1	37.5	170	ug/Kg	11/17/25 13:52	PB170576
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	11/17/25 13:52	PB170576
65794-96-9	3+4-Methylphenols	1400		1	41.1	330	ug/Kg	11/17/25 13:52	PB170576
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	11/17/25 13:52	PB170576
67-72-1	Hexachloroethane	1400		1	17.6	170	ug/Kg	11/17/25 13:52	PB170576
98-95-3	Nitrobenzene	1400		1	18.3	170	ug/Kg	11/17/25 13:52	PB170576
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	11/17/25 13:52	PB170576
88-75-5	2-Nitrophenol	1400		1	58.2	170	ug/Kg	11/17/25 13:52	PB170576
105-67-9	2,4-Dimethylphenol	1600		1	64.8	170	ug/Kg	11/17/25 13:52	PB170576
111-91-1	bis(2-Chloroethoxy)methane	1400		1	30.8	170	ug/Kg	11/17/25 13:52	PB170576
120-83-2	2,4-Dichlorophenol	1400		1	28.3	170	ug/Kg	11/17/25 13:52	PB170576
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	11/17/25 13:52	PB170576
106-47-8	4-Chloroaniline	830		1	35.4	170	ug/Kg	11/17/25 13:52	PB170576
87-68-3	Hexachlorobutadiene	1400		1	25.3	170	ug/Kg	11/17/25 13:52	PB170576
105-60-2	Caprolactam	1500		1	52.1	330	ug/Kg	11/17/25 13:52	PB170576
59-50-7	4-Chloro-3-methylphenol	1400		1	28.7	170	ug/Kg	11/17/25 13:52	PB170576
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	11/17/25 13:52	PB170576
77-47-4	Hexachlorocyclopentadiene	2800	E	1	120	330	ug/Kg	11/17/25 13:52	PB170576
88-06-2	2,4,6-Trichlorophenol	1400		1	19.8	170	ug/Kg	11/17/25 13:52	PB170576
95-95-4	2,4,5-Trichlorophenol	1400		1	29.1	170	ug/Kg	11/17/25 13:52	PB170576
92-52-4	1,1-Biphenyl	1500		1	21.8	170	ug/Kg	11/17/25 13:52	PB170576
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	11/17/25 13:52	PB170576
88-74-4	2-Nitroaniline	1500		1	48.1	170	ug/Kg	11/17/25 13:52	PB170576
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	11/17/25 13:52	PB170576
208-96-8	Acenaphthylene	1600		1	28.9	170	ug/Kg	11/17/25 13:52	PB170576
606-20-2	2,6-Dinitrotoluene	1600		1	33.6	170	ug/Kg	11/17/25 13:52	PB170576
99-09-2	3-Nitroaniline	1000		1	46.0	170	ug/Kg	11/17/25 13:52	PB170576
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	11/17/25 13:52	PB170576
51-28-5	2,4-Dinitrophenol	2500		1	230	330	ug/Kg	11/17/25 13:52	PB170576
100-02-7	4-Nitrophenol	2300		1	110	330	ug/Kg	11/17/25 13:52	PB170576
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	11/17/25 13:52	PB170576
121-14-2	2,4-Dinitrotoluene	1500		1	50.1	170	ug/Kg	11/17/25 13:52	PB170576
84-66-2	Diethylphthalate	1400		1	28.3	170	ug/Kg	11/17/25 13:52	PB170576
7005-72-3	4-Chlorophenyl-phenylether	1400		1	26.7	170	ug/Kg	11/17/25 13:52	PB170576
86-73-7	Fluorene	1400		1	25.3	170	ug/Kg	11/17/25 13:52	PB170576
100-01-6	4-Nitroaniline	1300		1	64.2	170	ug/Kg	11/17/25 13:52	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	1400		1	100	330	ug/Kg	11/17/25 13:52	PB170576

Raw Data: **BF144265.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170576BS			SDG No.:	Q3649
Lab Sample ID:	PB170576BS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	11/17/25 13:52	PB170576
101-55-3	4-Bromophenyl-phenylether	1400		1	27.8	170	ug/Kg	11/17/25 13:52	PB170576
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	11/17/25 13:52	PB170576
1912-24-9	Atrazine	1500		1	34.0	170	ug/Kg	11/17/25 13:52	PB170576
87-86-5	Pentachlorophenol	2800	E	1	51.3	330	ug/Kg	11/17/25 13:52	PB170576
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	11/17/25 13:52	PB170576
120-12-7	Anthracene	1400		1	33.3	170	ug/Kg	11/17/25 13:52	PB170576
86-74-8	Carbazole	1400		1	31.2	170	ug/Kg	11/17/25 13:52	PB170576
84-74-2	Di-n-butylphthalate	1400		1	47.9	170	ug/Kg	11/17/25 13:52	PB170576
206-44-0	Fluoranthene	1400		1	30.0	170	ug/Kg	11/17/25 13:52	PB170576
129-00-0	Pyrene	1500		1	36.0	170	ug/Kg	11/17/25 13:52	PB170576
85-68-7	Butylbenzylphthalate	1400		1	71.4	170	ug/Kg	11/17/25 13:52	PB170576
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	330	ug/Kg	11/17/25 13:52	PB170576
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	11/17/25 13:52	PB170576
218-01-9	Chrysene	1400		1	19.9	170	ug/Kg	11/17/25 13:52	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	1300		1	59.2	170	ug/Kg	11/17/25 13:52	PB170576
117-84-0	Di-n-octyl phthalate	1400		1	86.7	330	ug/Kg	11/17/25 13:52	PB170576
205-99-2	Benzo(b)fluoranthene	1700		1	19.0	170	ug/Kg	11/17/25 13:52	PB170576
207-08-9	Benzo(k)fluoranthene	1600		1	22.4	170	ug/Kg	11/17/25 13:52	PB170576
50-32-8	Benzo(a)pyrene	1700		1	29.5	170	ug/Kg	11/17/25 13:52	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	29.1	170	ug/Kg	11/17/25 13:52	PB170576
53-70-3	Dibenzo(a,h)anthracene	1500		1	27.4	170	ug/Kg	11/17/25 13:52	PB170576
191-24-2	Benzo(g,h,i)perylene	1600		1	25.7	170	ug/Kg	11/17/25 13:52	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		1	25.6	170	ug/Kg	11/17/25 13:52	PB170576
123-91-1	1,4-Dioxane	1200		1	45.2	170	ug/Kg	11/17/25 13:52	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	1500		1	27.4	170	ug/Kg	11/17/25 13:52	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	115			30 (10) - 130 (105)	77%	SPK: 150		
13127-88-3	Phenol-d6	115			30 (10) - 130 (103)	77%	SPK: 150		
4165-60-0	Nitrobenzene-d5	80.0			30 (10) - 130 (108)	80%	SPK: 100		
321-60-8	2-Fluorobiphenyl	79.2			30 (10) - 130 (108)	79%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	118			30 (10) - 130 (116)	79%	SPK: 150		
1718-51-0	Terphenyl-d14	82.5			30 (10) - 130 (109)	82%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	57500							
1146-65-2	Naphthalene-d8	225000							
15067-26-2	Acenaphthene-d10	127000							
1517-22-2	Phenanthrene-d10	215000							
1719-03-5	Chrysene-d12	128000							
1520-96-3	Perylene-d12	154000							

Raw Data: **BF144265.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170576BS			SDG No.:	Q3649
Lab Sample ID:	PB170576BS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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: **BG064796.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MS	SDG No.:	Q3649
Lab Sample ID:	Q3649-08MS	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1300		1	180	380	ug/Kg	11/17/25 22:50	PB170576
108-95-2	Phenol	2000		1	25.7	200	ug/Kg	11/17/25 22:50	PB170576
111-44-4	bis(2-Chloroethyl)ether	1800		1	28.2	200	ug/Kg	11/17/25 22:50	PB170576
95-57-8	2-Chlorophenol	1900		1	28.3	200	ug/Kg	11/17/25 22:50	PB170576
95-48-7	2-Methylphenol	1900		1	34.7	200	ug/Kg	11/17/25 22:50	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	1700		1	43.5	200	ug/Kg	11/17/25 22:50	PB170576
98-86-2	Acetophenone	1800		1	34.3	200	ug/Kg	11/17/25 22:50	PB170576
65794-96-9	3+4-Methylphenols	1900		1	47.7	380	ug/Kg	11/17/25 22:50	PB170576
621-64-7	n-Nitroso-di-n-propylamine	1800		1	55.0	92.9	ug/Kg	11/17/25 22:50	PB170576
67-72-1	Hexachloroethane	1800		1	20.4	200	ug/Kg	11/17/25 22:50	PB170576
98-95-3	Nitrobenzene	1800		1	21.3	200	ug/Kg	11/17/25 22:50	PB170576
78-59-1	Isophorone	1800		1	38.1	200	ug/Kg	11/17/25 22:50	PB170576
88-75-5	2-Nitrophenol	2000		1	67.6	200	ug/Kg	11/17/25 22:50	PB170576
105-67-9	2,4-Dimethylphenol	1900		1	75.2	200	ug/Kg	11/17/25 22:50	PB170576
111-91-1	bis(2-Chloroethoxy)methane	1900		1	35.8	200	ug/Kg	11/17/25 22:50	PB170576
120-83-2	2,4-Dichlorophenol	2000		1	32.9	200	ug/Kg	11/17/25 22:50	PB170576
91-20-3	Naphthalene	1800		1	26.4	200	ug/Kg	11/17/25 22:50	PB170576
106-47-8	4-Chloroaniline	450		1	41.1	200	ug/Kg	11/17/25 22:50	PB170576
87-68-3	Hexachlorobutadiene	1700		1	29.4	200	ug/Kg	11/17/25 22:50	PB170576
105-60-2	Caprolactam	1900		1	60.5	380	ug/Kg	11/17/25 22:50	PB170576
59-50-7	4-Chloro-3-methylphenol	2000		1	33.3	200	ug/Kg	11/17/25 22:50	PB170576
91-57-6	2-Methylnaphthalene	1600		1	29.7	200	ug/Kg	11/17/25 22:50	PB170576
77-47-4	Hexachlorocyclopentadiene	3500	E	1	130	380	ug/Kg	11/17/25 22:50	PB170576
88-06-2	2,4,6-Trichlorophenol	1900		1	23.0	200	ug/Kg	11/17/25 22:50	PB170576
95-95-4	2,4,5-Trichlorophenol	1900		1	33.8	200	ug/Kg	11/17/25 22:50	PB170576
92-52-4	1,1-Biphenyl	1900		1	25.3	200	ug/Kg	11/17/25 22:50	PB170576
91-58-7	2-Chloronaphthalene	1800		1	26.1	200	ug/Kg	11/17/25 22:50	PB170576
88-74-4	2-Nitroaniline	2000		1	55.9	200	ug/Kg	11/17/25 22:50	PB170576
131-11-3	Dimethylphthalate	1800		1	31.5	200	ug/Kg	11/17/25 22:50	PB170576
208-96-8	Acenaphthylene	1900		1	33.6	200	ug/Kg	11/17/25 22:50	PB170576
606-20-2	2,6-Dinitrotoluene	2000		1	39.0	200	ug/Kg	11/17/25 22:50	PB170576
99-09-2	3-Nitroaniline	810		1	53.4	200	ug/Kg	11/17/25 22:50	PB170576
83-32-9	Acenaphthene	2100		1	24.7	200	ug/Kg	11/17/25 22:50	PB170576
51-28-5	2,4-Dinitrophenol	3800	E	1	270	380	ug/Kg	11/17/25 22:50	PB170576
100-02-7	4-Nitrophenol	4100	E	1	120	380	ug/Kg	11/17/25 22:50	PB170576
132-64-9	Dibenzofuran	1800		1	26.4	200	ug/Kg	11/17/25 22:50	PB170576
121-14-2	2,4-Dinitrotoluene	2000		1	58.2	200	ug/Kg	11/17/25 22:50	PB170576
84-66-2	Diethylphthalate	1800		1	32.9	200	ug/Kg	11/17/25 22:50	PB170576
7005-72-3	4-Chlorophenyl-phenylether	1800		1	31.0	200	ug/Kg	11/17/25 22:50	PB170576
86-73-7	Fluorene	1800		1	29.4	200	ug/Kg	11/17/25 22:50	PB170576
100-01-6	4-Nitroaniline	1800		1	74.6	200	ug/Kg	11/17/25 22:50	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	2200		1	120	380	ug/Kg	11/17/25 22:50	PB170576

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MS	SDG No.:	Q3649
Lab Sample ID:	Q3649-08MS	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1900		1	38.2	200	ug/Kg	11/17/25 22:50	PB170576
101-55-3	4-Bromophenyl-phenylether	1900		1	32.3	200	ug/Kg	11/17/25 22:50	PB170576
118-74-1	Hexachlorobenzene	1800		1	29.4	200	ug/Kg	11/17/25 22:50	PB170576
1912-24-9	Atrazine	1900		1	39.5	200	ug/Kg	11/17/25 22:50	PB170576
87-86-5	Pentachlorophenol	3900	E	1	59.6	380	ug/Kg	11/17/25 22:50	PB170576
85-01-8	Phenanthrene	1900		1	24.3	200	ug/Kg	11/17/25 22:50	PB170576
120-12-7	Anthracene	1900		1	38.7	200	ug/Kg	11/17/25 22:50	PB170576
86-74-8	Carbazole	1900		1	36.2	200	ug/Kg	11/17/25 22:50	PB170576
84-74-2	Di-n-butylphthalate	1900		1	55.6	200	ug/Kg	11/17/25 22:50	PB170576
206-44-0	Fluoranthene	1800		1	34.8	200	ug/Kg	11/17/25 22:50	PB170576
129-00-0	Pyrene	2000		1	41.8	200	ug/Kg	11/17/25 22:50	PB170576
85-68-7	Butylbenzylphthalate	2000		1	82.9	200	ug/Kg	11/17/25 22:50	PB170576
91-94-1	3,3-Dichlorobenzidine	770		1	42.6	380	ug/Kg	11/17/25 22:50	PB170576
56-55-3	Benzo(a)anthracene	1800		1	26.7	200	ug/Kg	11/17/25 22:50	PB170576
218-01-9	Chrysene	1800		1	23.1	200	ug/Kg	11/17/25 22:50	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	1900		1	68.7	200	ug/Kg	11/17/25 22:50	PB170576
117-84-0	Di-n-octyl phthalate	1900		1	100	380	ug/Kg	11/17/25 22:50	PB170576
205-99-2	Benzo(b)fluoranthene	1900		1	22.1	200	ug/Kg	11/17/25 22:50	PB170576
207-08-9	Benzo(k)fluoranthene	1900		1	26.0	200	ug/Kg	11/17/25 22:50	PB170576
50-32-8	Benzo(a)pyrene	1900		1	34.3	200	ug/Kg	11/17/25 22:50	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	2000		1	33.8	200	ug/Kg	11/17/25 22:50	PB170576
53-70-3	Dibenzo(a,h)anthracene	2000		1	31.8	200	ug/Kg	11/17/25 22:50	PB170576
191-24-2	Benzo(g,h,i)perylene	2000		1	29.8	200	ug/Kg	11/17/25 22:50	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		1	29.7	200	ug/Kg	11/17/25 22:50	PB170576
123-91-1	1,4-Dioxane	1600		1	52.5	200	ug/Kg	11/17/25 22:50	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	2000		1	31.8	200	ug/Kg	11/17/25 22:50	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	111			30 (10) - 130 (105)	74%	SPK: 150		
13127-88-3	Phenol-d6	115			30 (10) - 130 (103)	77%	SPK: 150		
4165-60-0	Nitrobenzene-d5	72.6			30 (10) - 130 (108)	73%	SPK: 100		
321-60-8	2-Fluorobiphenyl	71.8			30 (10) - 130 (108)	72%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	111			30 (10) - 130 (116)	74%	SPK: 150		
1718-51-0	Terphenyl-d14	75.6			30 (10) - 130 (109)	76%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	35600							
1146-65-2	Naphthalene-d8	138000							
15067-26-2	Acenaphthene-d10	109000							
1517-22-2	Phenanthrene-d10	265000							
1719-03-5	Chrysene-d12	333000							
1520-96-3	Perylene-d12	342000							

Raw Data: **BG064796.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MS			SDG No.:	Q3649
Lab Sample ID:	Q3649-08MS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	86
Sample Wt/Vol:	30.04 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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: **BG064797.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MSD	SDG No.:	Q3649
Lab Sample ID:	Q3649-08MSD	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1200		1	180	380	ug/Kg	11/17/25 23:31	PB170576
108-95-2	Phenol	1900		1	25.7	200	ug/Kg	11/17/25 23:31	PB170576
111-44-4	bis(2-Chloroethyl)ether	1700		1	28.2	200	ug/Kg	11/17/25 23:31	PB170576
95-57-8	2-Chlorophenol	1800		1	28.4	200	ug/Kg	11/17/25 23:31	PB170576
95-48-7	2-Methylphenol	1800		1	34.7	200	ug/Kg	11/17/25 23:31	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	1600		1	43.6	200	ug/Kg	11/17/25 23:31	PB170576
98-86-2	Acetophenone	1700		1	34.3	200	ug/Kg	11/17/25 23:31	PB170576
65794-96-9	3+4-Methylphenols	1800		1	47.8	380	ug/Kg	11/17/25 23:31	PB170576
621-64-7	n-Nitroso-di-n-propylamine	1700		1	55.1	93.0	ug/Kg	11/17/25 23:31	PB170576
67-72-1	Hexachloroethane	1700		1	20.5	200	ug/Kg	11/17/25 23:31	PB170576
98-95-3	Nitrobenzene	1700		1	21.3	200	ug/Kg	11/17/25 23:31	PB170576
78-59-1	Isophorone	1700		1	38.1	200	ug/Kg	11/17/25 23:31	PB170576
88-75-5	2-Nitrophenol	1800		1	67.6	200	ug/Kg	11/17/25 23:31	PB170576
105-67-9	2,4-Dimethylphenol	1800		1	75.3	200	ug/Kg	11/17/25 23:31	PB170576
111-91-1	bis(2-Chloroethoxy)methane	1700		1	35.8	200	ug/Kg	11/17/25 23:31	PB170576
120-83-2	2,4-Dichlorophenol	1900		1	32.9	200	ug/Kg	11/17/25 23:31	PB170576
91-20-3	Naphthalene	1700		1	26.4	200	ug/Kg	11/17/25 23:31	PB170576
106-47-8	4-Chloroaniline	400		1	41.1	200	ug/Kg	11/17/25 23:31	PB170576
87-68-3	Hexachlorobutadiene	1600		1	29.4	200	ug/Kg	11/17/25 23:31	PB170576
105-60-2	Caprolactam	1800		1	60.5	380	ug/Kg	11/17/25 23:31	PB170576
59-50-7	4-Chloro-3-methylphenol	1800		1	33.3	200	ug/Kg	11/17/25 23:31	PB170576
91-57-6	2-Methylnaphthalene	1500		1	29.7	200	ug/Kg	11/17/25 23:31	PB170576
77-47-4	Hexachlorocyclopentadiene	3100	E	1	130	380	ug/Kg	11/17/25 23:31	PB170576
88-06-2	2,4,6-Trichlorophenol	1800		1	23.0	200	ug/Kg	11/17/25 23:31	PB170576
95-95-4	2,4,5-Trichlorophenol	1800		1	33.8	200	ug/Kg	11/17/25 23:31	PB170576
92-52-4	1,1-Biphenyl	1700		1	25.3	200	ug/Kg	11/17/25 23:31	PB170576
91-58-7	2-Chloronaphthalene	1700		1	26.1	200	ug/Kg	11/17/25 23:31	PB170576
88-74-4	2-Nitroaniline	1700		1	55.9	200	ug/Kg	11/17/25 23:31	PB170576
131-11-3	Dimethylphthalate	1700		1	31.5	200	ug/Kg	11/17/25 23:31	PB170576
208-96-8	Acenaphthylene	1700		1	33.6	200	ug/Kg	11/17/25 23:31	PB170576
606-20-2	2,6-Dinitrotoluene	1900		1	39.0	200	ug/Kg	11/17/25 23:31	PB170576
99-09-2	3-Nitroaniline	770		1	53.5	200	ug/Kg	11/17/25 23:31	PB170576
83-32-9	Acenaphthene	1900		1	24.8	200	ug/Kg	11/17/25 23:31	PB170576
51-28-5	2,4-Dinitrophenol	3600	E	1	270	380	ug/Kg	11/17/25 23:31	PB170576
100-02-7	4-Nitrophenol	3800	E	1	120	380	ug/Kg	11/17/25 23:31	PB170576
132-64-9	Dibenzofuran	1700		1	26.4	200	ug/Kg	11/17/25 23:31	PB170576
121-14-2	2,4-Dinitrotoluene	1800		1	58.2	200	ug/Kg	11/17/25 23:31	PB170576
84-66-2	Diethylphthalate	1700		1	32.9	200	ug/Kg	11/17/25 23:31	PB170576
7005-72-3	4-Chlorophenyl-phenylether	1600		1	31.0	200	ug/Kg	11/17/25 23:31	PB170576
86-73-7	Fluorene	1700		1	29.4	200	ug/Kg	11/17/25 23:31	PB170576
100-01-6	4-Nitroaniline	1700		1	74.6	200	ug/Kg	11/17/25 23:31	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	2000		1	120	380	ug/Kg	11/17/25 23:31	PB170576

Raw Data: **BG064797.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MSD	SDG No.:	Q3649
Lab Sample ID:	Q3649-08MSD	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1800		1	38.2	200	ug/Kg	11/17/25 23:31	PB170576
101-55-3	4-Bromophenyl-phenylether	1700		1	32.3	200	ug/Kg	11/17/25 23:31	PB170576
118-74-1	Hexachlorobenzene	1700		1	29.4	200	ug/Kg	11/17/25 23:31	PB170576
1912-24-9	Atrazine	1700		1	39.5	200	ug/Kg	11/17/25 23:31	PB170576
87-86-5	Pentachlorophenol	3600	E	1	59.6	380	ug/Kg	11/17/25 23:31	PB170576
85-01-8	Phenanthrene	1700		1	24.3	200	ug/Kg	11/17/25 23:31	PB170576
120-12-7	Anthracene	1700		1	38.7	200	ug/Kg	11/17/25 23:31	PB170576
86-74-8	Carbazole	1700		1	36.3	200	ug/Kg	11/17/25 23:31	PB170576
84-74-2	Di-n-butylphthalate	1700		1	55.7	200	ug/Kg	11/17/25 23:31	PB170576
206-44-0	Fluoranthene	1600		1	34.9	200	ug/Kg	11/17/25 23:31	PB170576
129-00-0	Pyrene	1900		1	41.8	200	ug/Kg	11/17/25 23:31	PB170576
85-68-7	Butylbenzylphthalate	1800		1	83.0	200	ug/Kg	11/17/25 23:31	PB170576
91-94-1	3,3-Dichlorobenzidine	720		1	42.6	380	ug/Kg	11/17/25 23:31	PB170576
56-55-3	Benzo(a)anthracene	1700		1	26.7	200	ug/Kg	11/17/25 23:31	PB170576
218-01-9	Chrysene	1700		1	23.1	200	ug/Kg	11/17/25 23:31	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	1800		1	68.8	200	ug/Kg	11/17/25 23:31	PB170576
117-84-0	Di-n-octyl phthalate	1700		1	100	380	ug/Kg	11/17/25 23:31	PB170576
205-99-2	Benzo(b)fluoranthene	1700		1	22.1	200	ug/Kg	11/17/25 23:31	PB170576
207-08-9	Benzo(k)fluoranthene	1700		1	26.0	200	ug/Kg	11/17/25 23:31	PB170576
50-32-8	Benzo(a)pyrene	1800		1	34.3	200	ug/Kg	11/17/25 23:31	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	1800		1	33.8	200	ug/Kg	11/17/25 23:31	PB170576
53-70-3	Dibenzo(a,h)anthracene	1900		1	31.8	200	ug/Kg	11/17/25 23:31	PB170576
191-24-2	Benzo(g,h,i)perylene	1800		1	29.9	200	ug/Kg	11/17/25 23:31	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		1	29.7	200	ug/Kg	11/17/25 23:31	PB170576
123-91-1	1,4-Dioxane	1400		1	52.5	200	ug/Kg	11/17/25 23:31	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	1900		1	31.8	200	ug/Kg	11/17/25 23:31	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	107			30 (10) - 130 (105)	71%	SPK: 150		
13127-88-3	Phenol-d6	111			30 (10) - 130 (103)	74%	SPK: 150		
4165-60-0	Nitrobenzene-d5	68.7			30 (10) - 130 (108)	69%	SPK: 100		
321-60-8	2-Fluorobiphenyl	64.2			30 (10) - 130 (108)	64%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	104			30 (10) - 130 (116)	69%	SPK: 150		
1718-51-0	Terphenyl-d14	72.2			30 (10) - 130 (109)	72%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	39700							
1146-65-2	Naphthalene-d8	158000							
15067-26-2	Acenaphthene-d10	131000							
1517-22-2	Phenanthrene-d10	317000							
1719-03-5	Chrysene-d12	372000							
1520-96-3	Perylene-d12	377000							

Raw Data: **BG064797.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MSD			SDG No.:	Q3649
Lab Sample ID:	Q3649-08MSD			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	86
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 05 18:37:33 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF144169.D 5 =BF144170.D 10 =BF144171.D 20 =BF144172.D 40 =BF144173.D 50 =BF144174.D 60 =BF144175.D 80 =BF1441
76.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.526	0.487	0.518	0.554	0.500	0.573	0.540	0.528	5.68
3)		Pyridine		1.374	1.406	1.491	1.520	1.378	1.607	1.543	1.474	6.12
4)		n-Nitrosodimet...			0.719	0.726	0.775	0.723	0.868	0.810	0.770	7.79
5)	S	2-Fluorophenol		1.332	1.303	1.316	1.315	1.157	1.330	1.193	1.278	5.62
6)		Aniline		2.194	2.169	2.114	2.067	1.841	2.139	1.920	2.063	6.46
7)	S	Phenol-d6		1.566	1.518	1.511	1.460	1.281	1.461	1.339	1.448	7.08
8)		2-Chlorophenol		1.242	1.309	1.292	1.281	1.152	1.293	1.204	1.253	4.59
9)		Benzaldehyde			1.033	0.917	0.816	0.672	0.786	0.683	0.818	16.99
10)	C	Phenol		1.845	1.896	1.840	1.858	1.562	1.790	1.594	1.769	7.60
11)		bis(2-Chloroet...		1.278	1.333	1.342	1.316	1.155	1.341	1.259	1.289	5.22
12)		1,3-Dichlorobe...		1.677	1.573	1.583	1.541	1.397	1.586	1.468	1.547	5.86
13)	C	1,4-Dichlorobe...		1.669	1.563	1.583	1.591	1.372	1.604	1.464	1.549	6.40
14)		1,2-Dichlorobe...		1.651	1.510	1.488	1.485	1.325	1.533	1.404	1.485	6.88
15)		Benzyl Alcohol			1.140	1.188	1.161	1.050	1.197	1.145	1.147	4.61
16)		2,2'-oxybis(1-...		2.408	2.470	2.496	2.418	2.147	2.442	2.238	2.374	5.50
17)		2-Methylphenol		1.031	1.054	1.007	1.033	0.895	1.002	0.958	0.997	5.44
18)		Hexachloroethane		0.512	0.513	0.532	0.532	0.467	0.543	0.504	0.515	4.90
19)	P	n-Nitroso-di-n...	0.998	1.010	1.023	0.996	0.950	0.813	0.937	0.900	0.953	7.38
20)		3+4-Methylphenols			1.330	1.223	1.215	1.030	1.175	1.080	1.175	9.16
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.479	0.464	0.434	0.434	0.380	0.421	0.391	0.429	8.34
23)	S	Nitrobenzene-d5		0.343	0.352	0.349	0.360	0.321	0.361	0.338	0.346	4.07
24)		Nitrobenzene		0.370	0.390	0.376	0.388	0.342	0.398	0.368	0.376	4.90
25)		Isophorone		0.659	0.668	0.669	0.673	0.581	0.675	0.659	0.655	5.05
26)	C	2-Nitrophenol		0.167	0.187	0.191	0.197	0.174	0.200	0.186	0.186	6.47
27)		2,4-Dimethylph...		0.281	0.278	0.265	0.298	0.260	0.295	0.275	0.279	5.08
28)		bis(2-Chloroet...		0.426	0.417	0.412	0.423	0.372	0.423	0.390	0.409	5.02
29)	C	2,4-Dichloroph...		0.334	0.342	0.330	0.331	0.289	0.326	0.297	0.322	6.20
30)		1,2,4-Trichlor...		0.350	0.349	0.332	0.337	0.296	0.335	0.312	0.330	5.96
31)		Naphthalene		1.019	1.008	0.982	0.969	0.850	0.952	0.880	0.951	6.71
32)		Benzoic acid			0.268	0.220	0.180	0.165	0.190	0.204	0.204	17.90
33)		4-Chloroaniline		0.358	0.364	0.355	0.362	0.309	0.355	0.326	0.347	6.07
34)	C	Hexachlorobuta...		0.256	0.250	0.252	0.259	0.232	0.254	0.238	0.249	4.03
35)		Caprolactam			0.094	0.093	0.092	0.075	0.087	0.088	0.088	8.10
36)	C	4-Chloro-3-met...		0.283	0.307	0.304	0.297	0.259	0.290	0.277	0.288	5.77
37)		2-Methylnaphth...		0.702	0.672	0.665	0.647	0.559	0.623	0.583	0.636	7.98
38)		1-Methylnaphth...		0.667	0.681	0.632	0.620	0.536	0.600	0.561	0.614	8.61

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.677	0.662	0.659	0.675	0.588	0.716	0.611	0.655	6.57
41)	P	Hexachlorocycl...		0.121	0.142	0.200	0.204	0.253	0.248	0.195	27.78
42)	S	2,4,6-Tribromo...	0.242	0.257	0.257	0.265	0.227	0.261	0.249	0.251	5.27
43)	C	2,4,6-Trichlor...	0.440	0.449	0.449	0.456	0.409	0.489	0.431	0.446	5.49
44)		2,4,5-Trichlor...	0.497	0.489	0.497	0.489	0.438	0.502	0.456	0.481	5.05
45)	S	2-Fluorobiphenyl	1.598	1.428	1.361	1.350	1.177	1.381	1.183	1.354	10.72
46)		1,1'-Biphenyl	1.535	1.446	1.425	1.408	1.239	1.450	1.270	1.396	7.52
47)		2-Chloronaphth...	1.303	1.216	1.206	1.204	1.068	1.252	1.087	1.191	7.12
48)		2-Nitroaniline	0.302	0.347	0.349	0.361	0.326	0.374	0.345	0.344	6.84
49)		Acenaphthylene	1.727	1.686	1.677	1.645	1.440	1.678	1.506	1.623	6.57
50)		Dimethylphthalate	1.437	1.343	1.359	1.345	1.168	1.375	1.247	1.325	6.71
51)		2,6-Dinitrotol...	0.251	0.271	0.271	0.276	0.252	0.290	0.266	0.268	5.16
52)	C	Acenaphthene	1.138	1.162	1.120	1.096	0.956	1.117	1.007	1.085	6.90
53)		3-Nitroaniline	0.271	0.301	0.302	0.315	0.264	0.316	0.283	0.293	7.07
54)	P	2,4-Dinitrophenol		0.202	0.166	0.140	0.133	0.168	0.164	0.162	14.99
55)		Dibenzofuran	1.644	1.600	1.586	1.551	1.337	1.562	1.359	1.520	7.99
56)	P	4-Nitrophenol		0.273	0.202	0.204	0.185	0.211	0.198	0.212	14.64
57)		2,4-Dinitrotol...	0.322	0.377	0.372	0.385	0.328	0.377	0.353	0.359	7.07
58)		Fluorene	1.295	1.223	1.197	1.180	0.997	1.149	1.048	1.156	8.88
59)		2,3,4,6-Tetrac...	0.308	0.347	0.336	0.358	0.316	0.372	0.345	0.340	6.58
60)		Diethylphthalate	1.294	1.273	1.254	1.254	1.075	1.237	1.163	1.221	6.27
61)		4-Chlorophenyl...	0.711	0.701	0.678	0.685	0.570	0.659	0.605	0.658	7.92
62)		4-Nitroaniline	0.273	0.290	0.293	0.288	0.254	0.288	0.268	0.279	5.10
63)		Azobenzene	1.157	1.203	1.145	1.164	0.995	1.197	1.096	1.137	6.33
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.147	0.138	0.130	0.120	0.142	0.138	0.136	6.99
66)	c	n-Nitrosodiphe...	0.695	0.676	0.635	0.646	0.577	0.660	0.614	0.643	6.12
67)		4-Bromophenyl-...	0.264	0.260	0.255	0.263	0.228	0.266	0.252	0.255	5.18
68)		Hexachlorobenzene	0.306	0.306	0.305	0.300	0.273	0.319	0.296	0.301	4.74
69)		Atrazine	0.215	0.211	0.215	0.206	0.180	0.210	0.196	0.205	6.26
70)	C	Pentachlorophenol		0.135	0.144	0.156	0.137	0.162	0.165	0.150	8.76
71)		Phenanthrene	1.103	1.042	0.986	1.009	0.892	1.003	0.937	0.996	6.87
72)		Anthracene	1.120	1.059	1.027	1.022	0.897	1.027	0.936	1.013	7.37
73)		Carbazole	0.938	0.917	0.882	0.878	0.762	0.854	0.794	0.861	7.36
74)		Di-n-butylphth...	1.075	1.101	1.077	1.070	0.917	1.059	0.986	1.041	6.27
75)	C	Fluoranthene	1.117	1.066	1.053	1.054	0.910	1.043	0.958	1.029	6.84
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.707	0.519	0.624	0.512	0.635	0.553	0.592	12.98
78)		Pyrene	1.763	1.745	1.631	1.704	1.372	1.569	1.504	1.613	8.79
79)	S	Terphenyl-d14	1.403	1.415	1.274	1.317	1.042	1.208	1.155	1.259	10.71
80)		Butylbenzylpht...	0.565	0.590	0.550	0.590	0.499	0.570	0.549	0.559	5.60
81)		Benzo(a)anthra...	1.455	1.340	1.330	1.430	1.290	1.493	1.366	1.386	5.37
82)		3,3'-Dichlorob...		0.453	0.461	0.482	0.441	0.532	0.481	0.475	6.77
83)		Chrysene	1.276	1.245	1.279	1.403	1.164	1.326	1.263	1.280	5.72
84)		Bis(2-ethylhex...	0.773	0.739	0.755	0.816	0.705	0.803	0.764	0.765	4.92
85)	c	Di-n-octyl pht...		1.163	1.272	1.410	1.269	1.442	1.364	1.320	7.91

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.450	1.411	1.447	1.485	1.311	1.521	1.425	1.436	4.62
88)		Benzo(b)fluora...	1.199	1.133	1.114	1.233	1.002	1.134	1.143	1.137	6.40
89)		Benzo(k)fluora...	1.077	1.094	1.083	1.041	0.999	1.134	1.021	1.064	4.36
90)	C	Benzo(a)pyrene	1.064	1.050	1.058	1.077	0.963	1.103	1.029	1.049	4.23
91)		Dibenzo(a,h)an...	1.155	1.155	1.175	1.198	1.040	1.209	1.138	1.153	4.85
92)		Benzo(g,h,i)pe...	1.095	1.125	1.153	1.191	1.028	1.228	1.150	1.139	5.70

(#) = Out of Range

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 12 17:10:56 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064745.D 5 =BG064746.D 10 =BG064747.D 20 =BG064748.D 40 =BG064749.D 50 =BG064750.D 60 =BG064751.D 80 =BG0647
52.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.441	0.455	0.445	0.468	0.452	0.420	0.422	0.443	3.90
3)		Pyridine		1.269	1.297	1.315	1.365	1.355	1.344	1.303	1.321	2.62
4)		n-Nitrosodimet...			0.657	0.664	0.687	0.690	0.672	0.665	0.672	1.95
5)	S	2-Fluorophenol		1.084	1.128	1.165	1.170	1.181	1.151	1.140	1.145	2.85
6)		Aniline		1.783	2.001	2.105	2.109	2.125	2.034	2.057	2.030	5.82
7)	S	Phenol-d6		1.388	1.466	1.539	1.580	1.616	1.535	1.540	1.523	4.95
8)		2-Chlorophenol		1.208	1.221	1.268	1.303	1.318	1.225	1.261	1.258	3.36
9)		Benzaldehyde			1.027	0.980	1.029	0.949	1.004	0.994	0.997	3.01
10)	C	Phenol		1.501	1.584	1.666	1.711	1.774	1.669	1.698	1.657	5.40
11)		bis(2-Chloroet...		1.093	1.141	1.224	1.234	1.224	1.164	1.176	1.179	4.39
12)		1,3-Dichlorobe...		1.410	1.423	1.487	1.492	1.467	1.412	1.440	1.447	2.38
13)	C	1,4-Dichlorobe...		1.434	1.461	1.529	1.501	1.485	1.448	1.456	1.474	2.26
14)		1,2-Dichlorobe...		1.416	1.371	1.444	1.475	1.447	1.429	1.419	1.429	2.27
15)		Benzyl Alcohol			1.055	1.229	1.305	1.338	1.276	1.300	1.250	8.18
16)		2,2'-oxybis(1-...		2.713	2.796	2.959	2.834	2.861	2.687	2.692	2.792	3.63
17)		2-Methylphenol		1.072	1.149	1.196	1.218	1.234	1.156	1.185	1.173	4.61
18)		Hexachloroethane		0.584	0.549	0.572	0.563	0.550	0.541	0.548	0.558	2.76
19)	P	n-Nitroso-di-n...	0.924	0.875	1.015	1.116	1.097	1.138	1.036	1.039	1.030	8.93
20)		3+4-Methylphenols			1.480	1.628	1.649	1.670	1.602	1.610	1.607	4.14
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.465	0.536	0.581	0.561	0.555	0.547	0.571	0.545	7.02
23)	S	Nitrobenzene-d5		0.371	0.378	0.410	0.414	0.416	0.411	0.433	0.405	5.47
24)		Nitrobenzene		0.353	0.398	0.431	0.415	0.417	0.415	0.432	0.409	6.62
25)		Isophorone		0.723	0.760	0.796	0.767	0.785	0.777	0.784	0.770	3.13
26)	C	2-Nitrophenol		0.133	0.175	0.189	0.193	0.194	0.197	0.206	0.184	13.12
27)		2,4-Dimethylph...		0.309	0.301	0.336	0.331	0.334	0.336	0.338	0.327	4.55
28)		bis(2-Chloroet...		0.383	0.419	0.444	0.425	0.432	0.423	0.435	0.423	4.63
29)	C	2,4-Dichloroph...		0.283	0.331	0.367	0.364	0.371	0.365	0.373	0.351	9.39
30)		1,2,4-Trichlor...		0.408	0.417	0.443	0.424	0.418	0.419	0.435	0.423	2.83
31)		Naphthalene		1.076	1.163	1.170	1.141	1.123	1.120	1.145	1.134	2.79
32)		Benzoic acid			0.135	0.166	0.204	0.221	0.255	0.248	0.205	22.85
33)		4-Chloroaniline		0.357	0.452	0.477	0.471	0.472	0.466	0.479	0.454	9.61
34)	C	Hexachlorobuta...		0.365	0.353	0.370	0.366	0.358	0.357	0.374	0.363	2.14
35)		Caprolactam			0.090	0.104	0.103	0.114	0.107	0.111	0.105	8.03
36)	C	4-Chloro-3-met...		0.348	0.388	0.399	0.390	0.402	0.402	0.404	0.390	5.07
37)		2-Methylnaphth...		0.820	0.842	0.902	0.844	0.850	0.835	0.846	0.848	3.03
38)		1-Methylnaphth...		0.844	0.841	0.880	0.834	0.835	0.820	0.845	0.843	2.20

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG111225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.756	0.746	0.811	0.782	0.759	0.789	0.806	0.778	3.25
41)	P	Hexachlorocycl...		0.478	0.547	0.560	0.557	0.592	0.612	0.558	8.28
42)	S	2,4,6-Tribromo...	0.346	0.384	0.410	0.386	0.398	0.403	0.404	0.390	5.53
43)	C	2,4,6-Trichlor...	0.386	0.432	0.472	0.465	0.474	0.481	0.487	0.457	7.90
44)		2,4,5-Trichlor...	0.467	0.460	0.546	0.521	0.520	0.531	0.543	0.512	6.82
45)	S	2-Fluorobiphenyl	1.403	1.445	1.509	1.420	1.400	1.434	1.422	1.433	2.58
46)		1,1'-Biphenyl	1.416	1.417	1.498	1.428	1.405	1.441	1.449	1.436	2.17
47)		2-Chloronaphth...	1.124	1.112	1.167	1.120	1.116	1.138	1.146	1.132	1.74
48)		2-Nitroaniline	0.291	0.345	0.373	0.371	0.383	0.391	0.394	0.364	9.94
49)		Acenaphthylene	1.839	1.928	1.996	1.930	1.932	1.967	1.942	1.933	2.51
50)		Dimethylphthalate	1.535	1.569	1.654	1.549	1.580	1.592	1.581	1.580	2.42
51)		2,6-Dinitrotol...	0.265	0.281	0.313	0.305	0.317	0.322	0.325	0.304	7.36
52)	C	Acenaphthene	1.072	1.104	1.169	1.166	1.177	1.213	1.212	1.159	4.56
53)		3-Nitroaniline	0.247	0.277	0.301	0.306	0.320	0.326	0.323	0.300	9.57
54)	P	2,4-Dinitrophenol		0.060	0.114	0.169	0.189	0.198	0.221	0.158	38.04
55)		Dibenzofuran	1.897	1.991	1.994	1.867	1.892	1.889	1.885	1.916	2.75
56)	P	4-Nitrophenol		0.181	0.224	0.241	0.257	0.261	0.264	0.238	13.24
57)		2,4-Dinitrotol...	0.376	0.426	0.477	0.462	0.472	0.489	0.489	0.456	9.08
58)		Fluorene	1.481	1.569	1.595	1.471	1.462	1.475	1.469	1.503	3.65
59)		2,3,4,6-Tetrac...	0.418	0.480	0.521	0.501	0.536	0.543	0.539	0.506	8.85
60)		Diethylphthalate	1.443	1.521	1.585	1.492	1.532	1.520	1.501	1.513	2.84
61)		4-Chlorophenyl...	0.892	0.927	0.940	0.880	0.882	0.894	0.899	0.902	2.53
62)		4-Nitroaniline	0.245	0.288	0.318	0.320	0.335	0.335	0.334	0.311	10.71
63)		Azobenzene	1.244	1.292	1.309	1.235	1.250	1.255	1.227	1.259	2.40
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.073	0.099	0.117	0.121	0.126	0.131	0.111	19.44
66)	c	n-Nitrosodiphe...	0.483	0.531	0.544	0.538	0.519	0.528	0.524	0.524	3.79
67)		4-Bromophenyl-...	0.241	0.263	0.269	0.269	0.259	0.269	0.267	0.263	3.86
68)		Hexachlorobenzene	0.312	0.312	0.326	0.320	0.318	0.317	0.323	0.318	1.67
69)		Atrazine	0.245	0.251	0.257	0.253	0.254	0.253	0.256	0.253	1.53
70)	C	Pentachlorophenol		0.088	0.138	0.160	0.177	0.187	0.193	0.157	24.85
71)		Phenanthrene	1.075	1.118	1.123	1.099	1.081	1.090	1.074	1.094	1.84
72)		Anthracene	1.098	1.122	1.152	1.113	1.099	1.113	1.114	1.116	1.62
73)		Carbazole	0.926	0.987	0.982	0.971	0.944	0.955	0.950	0.959	2.27
74)		Di-n-butylphth...	0.998	1.107	1.105	1.077	1.076	1.070	1.059	1.070	3.41
75)	C	Fluoranthene	1.508	1.558	1.531	1.494	1.461	1.475	1.448	1.496	2.61
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.674	0.631	0.561	0.618	0.552	0.557	0.599	8.29
78)		Pyrene	1.076	1.089	1.145	1.111	1.164	1.136	1.125	1.121	2.78
79)	S	Terphenyl-d14	1.018	1.028	1.060	1.012	1.040	0.993	0.967	1.017	3.01
80)		Butylbenzylpht...	0.377	0.391	0.402	0.391	0.404	0.397	0.398	0.394	2.37
81)		Benzo(a)anthra...	1.338	1.371	1.395	1.379	1.357	1.334	1.346	1.360	1.66
82)		3,3'-Dichlorob...		0.501	0.518	0.517	0.507	0.479	0.481	0.501	3.35
83)		Chrysene	1.266	1.292	1.301	1.309	1.267	1.275	1.264	1.282	1.44
84)		Bis(2-ethylhex...	0.582	0.581	0.598	0.583	0.571	0.564	0.553	0.576	2.54
85)	c	Di-n-octyl pht...		0.993	1.026	1.038	0.983	0.974	0.962	0.996	2.99

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG111225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.262	1.324	1.388	1.399	1.404	1.404	1.438	1.374	4.38
88)		Benzo(b)fluora...	1.190	1.250	1.299	1.291	1.279	1.304	1.296	1.273	3.21
89)		Benzo(k)fluora...	1.245	1.296	1.321	1.249	1.279	1.256	1.305	1.279	2.32
90)	C	Benzo(a)pyrene	1.131	1.176	1.197	1.191	1.182	1.189	1.199	1.181	1.99
91)		Dibenzo(a,h)an...	1.026	1.092	1.128	1.151	1.155	1.147	1.180	1.126	4.60
92)		Benzo(g,h,i)pe...	1.000	1.044	1.091	1.105	1.108	1.104	1.131	1.083	4.19

(#) = 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: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_F Calibration Date/Time: 11/17/2025 12:52

Lab File ID: BF144263.D Init. Calib. Date(s): 11/05/2025 11/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:50 16:49

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.288		0.8	
Benzaldehyde	0.818	0.948		15.9	
Phenol-d6	1.448	1.397		-3.5	
Phenol	1.769	1.747		-1.2	20.0
bis(2-Chloroethyl)ether	1.289	1.229		-4.7	
2-Chlorophenol	1.253	1.228		-2.0	
2-Methylphenol	0.997	0.962		-3.5	
2,2-oxybis(1-Chloropropane)	2.374	2.236		-5.8	
Acetophenone	0.429	0.417		-2.8	
3+4-Methylphenols	1.175	1.137		-3.2	
n-Nitroso-di-n-propylamine	0.953	0.882	0.050	-7.4	
Nitrobenzene-d5	0.346	0.347		0.3	
Hexachloroethane	0.515	0.497		-3.5	
Nitrobenzene	0.376	0.369		-1.9	
Isophorone	0.655	0.616		-6.0	
2-Nitrophenol	0.186	0.190		2.2	20.0
2,4-Dimethylphenol	0.279	0.283		1.4	
bis(2-Chloroethoxy)methane	0.409	0.399		-2.4	
2,4-Dichlorophenol	0.322	0.319		-0.9	20.0
Naphthalene	0.951	0.934		-1.8	
4-Chloroaniline	0.347	0.342		-1.4	
Hexachlorobutadiene	0.249	0.240		-3.6	20.0
Caprolactam	0.088	0.083		-5.7	
4-Chloro-3-methylphenol	0.288	0.284		-1.4	20.0
2-Methylnaphthalene	0.636	0.625		-1.7	
Hexachlorocyclopentadiene	0.195	0.203	0.050	4.1	
2,4,6-Trichlorophenol	0.446	0.429		-3.8	20.0
2-Fluorobiphenyl	1.354	1.309		-3.3	
2,4,5-Trichlorophenol	0.481	0.462		-4.0	
1,1-Biphenyl	1.396	1.346		-3.6	
2-Chloronaphthalene	1.191	1.146		-3.8	
2-Nitroaniline	0.344	0.335		-2.6	
Dimethylphthalate	1.325	1.232		-7.0	
Acenaphthylene	1.623	1.574		-3.0	
2,6-Dinitrotoluene	0.268	0.259		-3.4	
3-Nitroaniline	0.293	0.276		-5.8	
Acenaphthene	1.085	1.050		-3.2	20.0
2,4-Dinitrophenol	0.162	0.177	0.050	9.3	
4-Nitrophenol	0.212	0.194	0.050	-8.5	

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_F Calibration Date/Time: 11/17/2025 12:52

Lab File ID: BF144263.D Init. Calib. Date(s): 11/05/2025 11/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:50 16:49

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.520	1.452		-4.5	
2,4-Dinitrotoluene	0.359	0.334		-7.0	
Diethylphthalate	1.221	1.093		-10.5	
4-Chlorophenyl-phenylether	0.658	0.610		-7.3	
Fluorene	1.156	1.102		-4.7	
4-Nitroaniline	0.279	0.248		-11.1	
4,6-Dinitro-2-methylphenol	0.136	0.112		-17.6	
n-Nitrosodiphenylamine	0.643	0.657		2.2	20.0
2,4,6-Tribromophenol	0.251	0.225		-10.4	
4-Bromophenyl-phenylether	0.255	0.248		-2.7	
Hexachlorobenzene	0.301	0.291		-3.3	
Atrazine	0.205	0.175		-14.6	
Pentachlorophenol	0.150	0.159		6.0	20.0
Phenanthrene	0.996	0.975		-2.1	
Anthracene	1.013	0.968		-4.4	
Carbazole	0.861	0.794		-7.8	
Di-n-butylphthalate	1.041	0.882		-15.3	
Fluoranthene	1.029	0.909		-11.7	20.0
Pyrene	1.613	1.489		-7.7	
Terphenyl-d14	1.259	1.128		-10.4	
Butylbenzylphthalate	0.559	0.482		-13.8	
3,3-Dichlorobenzidine	0.475	0.503		5.9	
Benzo(a)anthracene	1.386	1.430		3.2	
Chrysene	1.280	1.212		-5.3	
Bis(2-ethylhexyl)phthalate	0.765	0.635		-17.0	
Di-n-octyl phthalate	1.320	1.270		-3.8	20.0
Benzo(b)fluoranthene	1.137	1.167		2.6	
Benzo(k)fluoranthene	1.064	0.913		-14.2	
Benzo(a)pyrene	1.049	1.003		-4.4	20.0
Indeno(1,2,3-cd)pyrene	1.436	1.372		-4.5	
Dibenzo(a,h)anthracene	1.153	1.095		-5.0	
Benzo(g,h,i)perylene	1.139	1.078		-5.4	
1,2,4,5-Tetrachlorobenzene	0.655	0.638		-2.6	
1,4-Dioxane	0.528	0.529		0.2	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.314		-7.6	

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_G Calibration Date/Time: 11/17/2025 13:23

Lab File ID: BG064784.D Init. Calib. Date(s): 11/12/2025 11/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:17 16:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.171		2.3	
Benzaldehyde	0.997	0.958		-3.9	
Phenol-d6	1.523	1.626		6.8	
Phenol	1.657	1.757		6.0	20.0
bis(2-Chloroethyl)ether	1.179	1.221		3.6	
2-Chlorophenol	1.258	1.329		5.6	
2-Methylphenol	1.173	1.235		5.3	
2,2-oxybis(1-Chloropropane)	2.792	2.755		-1.3	
Acetophenone	0.545	0.564		3.5	
3+4-Methylphenols	1.607	1.688		5.0	
n-Nitroso-di-n-propylamine	1.030	1.098	0.050	6.6	
Nitrobenzene-d5	0.405	0.419		3.5	
Hexachloroethane	0.558	0.554		-0.7	
Nitrobenzene	0.409	0.429		4.9	
Isophorone	0.770	0.777		0.9	
2-Nitrophenol	0.184	0.199		8.2	20.0
2,4-Dimethylphenol	0.327	0.342		4.6	
bis(2-Chloroethoxy)methane	0.423	0.446		5.4	
2,4-Dichlorophenol	0.351	0.375		6.8	20.0
Naphthalene	1.134	1.150		1.4	
4-Chloroaniline	0.454	0.480		5.7	
Hexachlorobutadiene	0.363	0.356		-1.9	20.0
Caprolactam	0.105	0.116		10.5	
4-Chloro-3-methylphenol	0.390	0.410		5.1	20.0
2-Methylnaphthalene	0.848	0.857		1.1	
Hexachlorocyclopentadiene	0.558	0.514	0.050	-7.9	
2,4,6-Trichlorophenol	0.457	0.473		3.5	20.0
2-Fluorobiphenyl	1.433	1.411		-1.5	
2,4,5-Trichlorophenol	0.512	0.536		4.7	
1,1-Biphenyl	1.436	1.424		-0.8	
2-Chloronaphthalene	1.132	1.136		0.4	
2-Nitroaniline	0.364	0.392		7.7	
Dimethylphthalate	1.580	1.594		0.9	
Acenaphthylene	1.933	1.969		1.9	
2,6-Dinitrotoluene	0.304	0.322		5.9	
3-Nitroaniline	0.300	0.334		11.3	
Acenaphthene	1.159	1.215		4.8	20.0
2,4-Dinitrophenol	0.158	0.188	0.050	19.0	
4-Nitrophenol	0.238	0.275	0.050	15.5	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_G Calibration Date/Time: 11/17/2025 13:23

Lab File ID: BG064784.D Init. Calib. Date(s): 11/12/2025 11/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:17 16:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.916	1.950		1.8	
2,4-Dinitrotoluene	0.456	0.508		11.4	
Diethylphthalate	1.513	1.563		3.3	
4-Chlorophenyl-phenylether	0.902	0.910		0.9	
Fluorene	1.503	1.520		1.1	
4-Nitroaniline	0.311	0.352		13.2	
4,6-Dinitro-2-methylphenol	0.111	0.119		7.2	
n-Nitrosodiphenylamine	0.524	0.519		-1.0	20.0
2,4,6-Tribromophenol	0.390	0.407		4.4	
4-Bromophenyl-phenylether	0.263	0.254		-3.4	
Hexachlorobenzene	0.318	0.306		-3.8	
Atrazine	0.253	0.248		-2.0	
Pentachlorophenol	0.157	0.178		13.4	20.0
Phenanthrene	1.094	1.079		-1.4	
Anthracene	1.116	1.114		-0.2	
Carbazole	0.959	0.965		0.6	
Di-n-butylphthalate	1.070	1.054		-1.5	
Fluoranthene	1.496	1.468		-1.9	20.0
Pyrene	1.121	1.199		7.0	
Terphenyl-d14	1.017	1.055		3.7	
Butylbenzylphthalate	0.394	0.412		4.6	
3,3-Dichlorobenzidine	0.501	0.464		-7.4	
Benzo(a)anthracene	1.360	1.351		-0.7	
Chrysene	1.282	1.288		0.5	
Bis(2-ethylhexyl)phthalate	0.576	0.568		-1.4	
Di-n-octyl phthalate	0.996	0.953		-4.3	20.0
Benzo(b)fluoranthene	1.273	1.244		-2.3	
Benzo(k)fluoranthene	1.279	1.279		0.0	
Benzo(a)pyrene	1.181	1.179		-0.2	20.0
Indeno(1,2,3-cd)pyrene	1.374	1.407		2.4	
Dibenzo(a,h)anthracene	1.126	1.153		2.4	
Benzo(g,h,i)perylene	1.083	1.120		3.4	
1,2,4,5-Tetrachlorobenzene	0.778	0.767		-1.4	
1,4-Dioxane	0.443	0.432		-2.5	20.0
2,3,4,6-Tetrachlorophenol	0.506	0.543		7.3	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Time: Nov 18 00:24:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

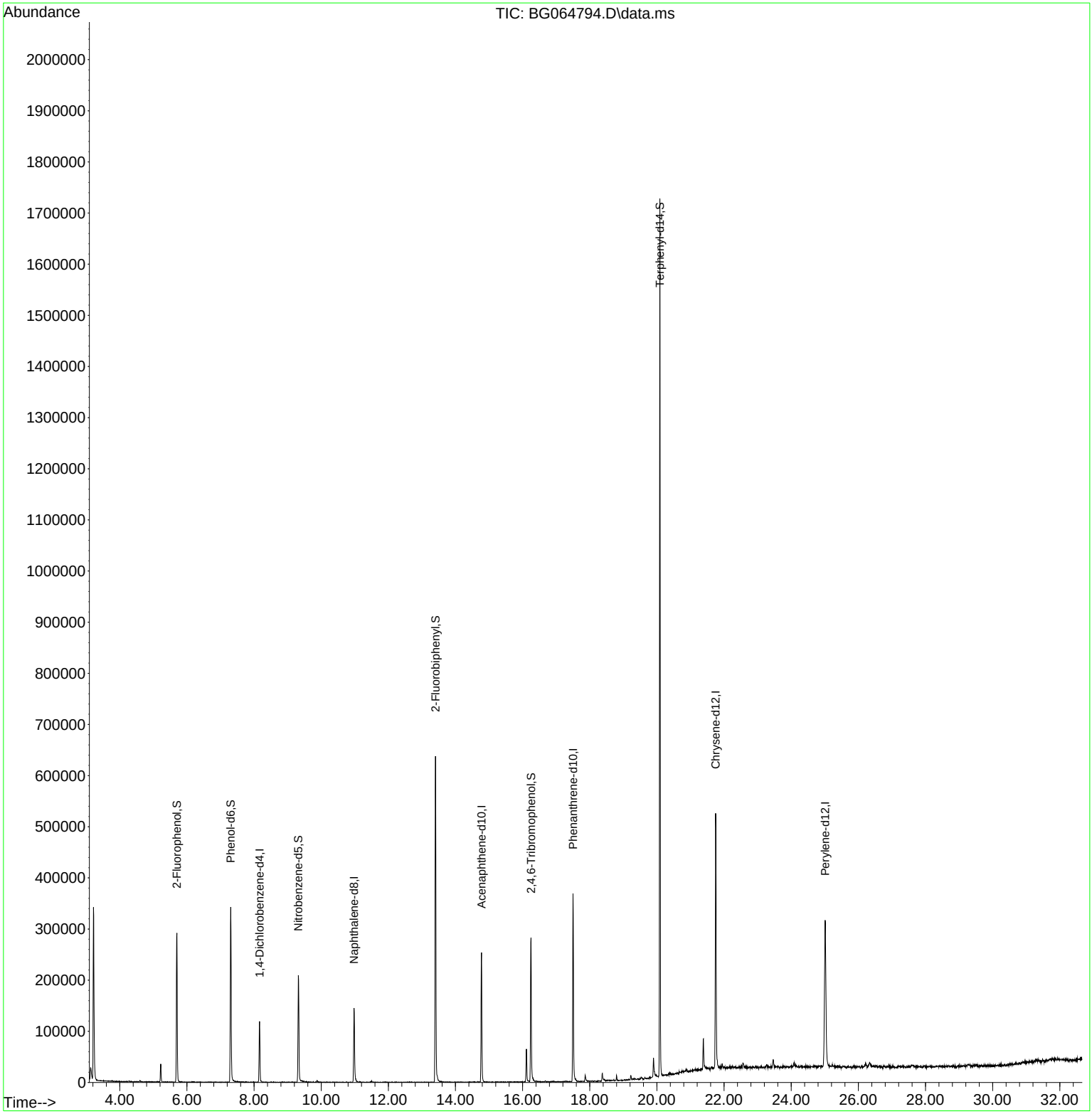
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	35573	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	134204	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	105983	20.000	ng	0.00
64) Phenanthrene-d10	17.501	188	261717	20.000	ng	0.00
76) Chrysene-d12	21.749	240	348460	20.000	ng	0.00
86) Perylene-d12	25.009	264	360076	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	126212	61.955	ng	0.00
7) Phenol-d6	7.307	99	198726	73.344	ng	0.00
23) Nitrobenzene-d5	9.322	82	128818	47.459	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	76928	37.217	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	383889	50.542	ng	0.00
79) Terphenyl-d14	20.086	244	951230	53.698	ng	0.00
Target Compounds						Qvalue

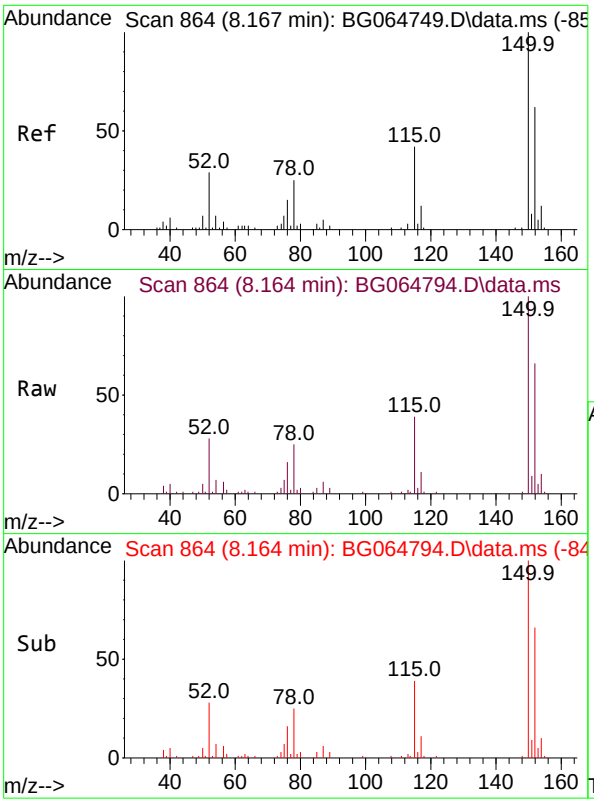
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Time: Nov 18 00:24:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



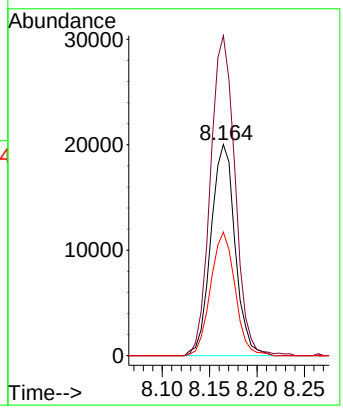


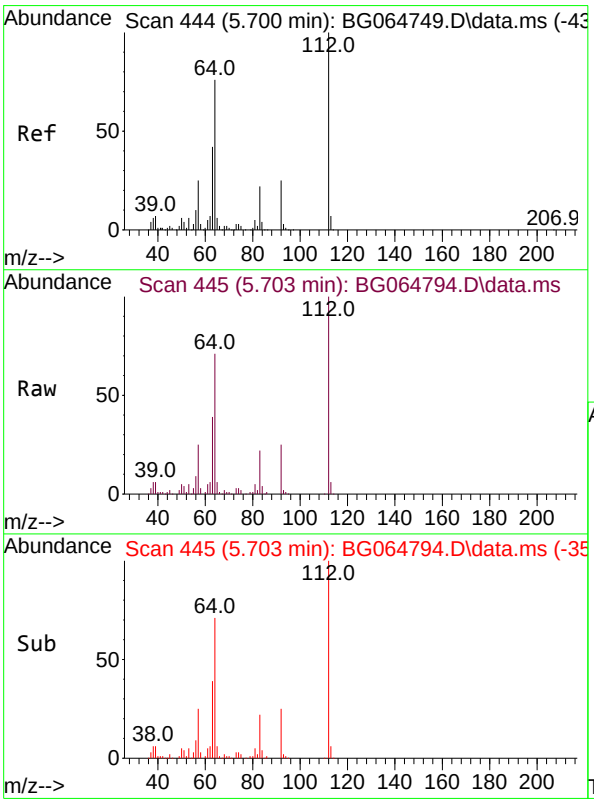
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion:152 Resp: 35573

Ion	Ratio	Lower	Upper
152	100		
150	151.6	129.2	193.8
115	58.5	53.7	80.5

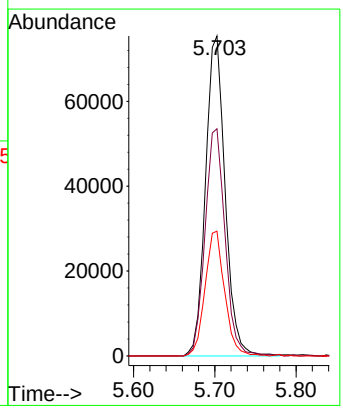


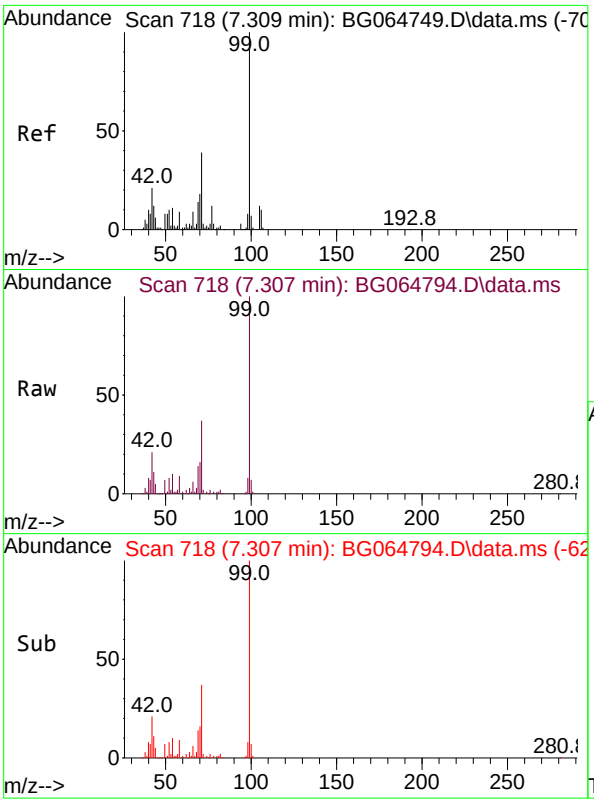


#5
2-Fluorophenol
Concen: 61.955 ng
RT: 5.703 min Scan# 445
Delta R.T. 0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:112 Resp: 126212

Ion	Ratio	Lower	Upper
112	100		
64	71.0	61.0	91.4
63	39.0	33.3	49.9



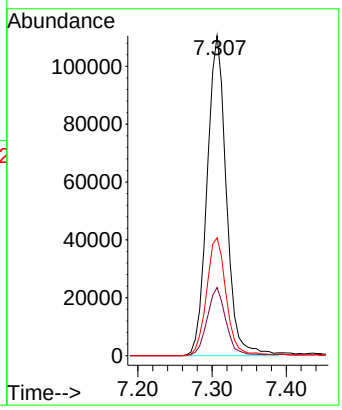


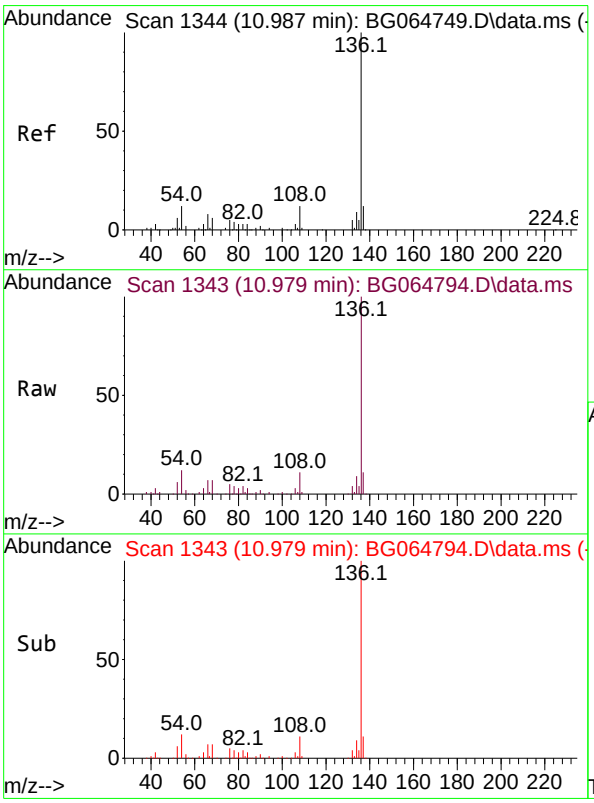
#7
Phenol-d6
Concen: 73.344 ng
RT: 7.307 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion: 99 Resp: 198726

Ion	Ratio	Lower	Upper
99	100		
42	21.3	16.8	25.2
71	36.8	31.1	46.7

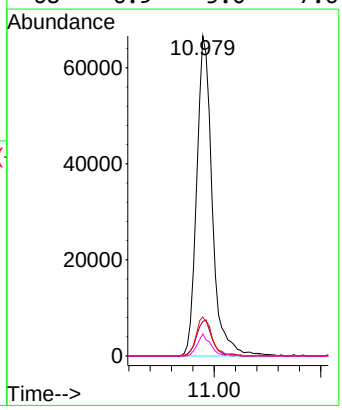


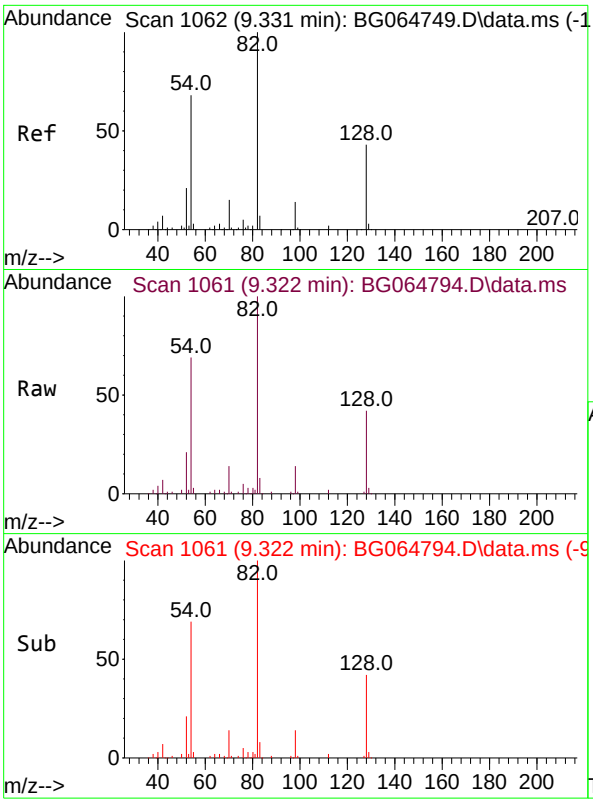


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:136 Resp: 134204

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	12.1	9.3	13.9
68	6.9	5.0	7.6



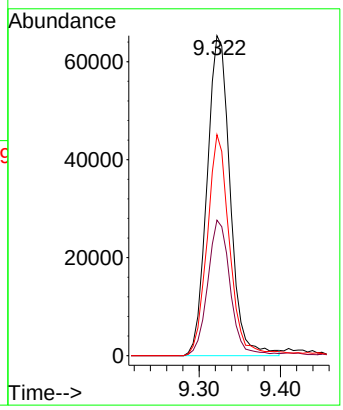


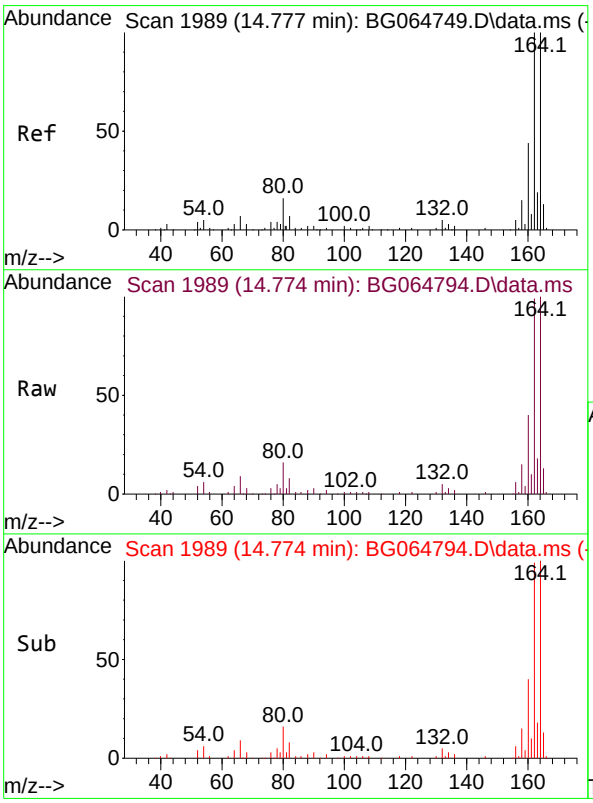
#23
Nitrobenzene-d5
Concen: 47.459 ng
RT: 9.322 min Scan# 10
Delta R.T. -0.009 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion: 82 Resp: 128818

Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.1	51.1
54	69.0	54.3	81.5

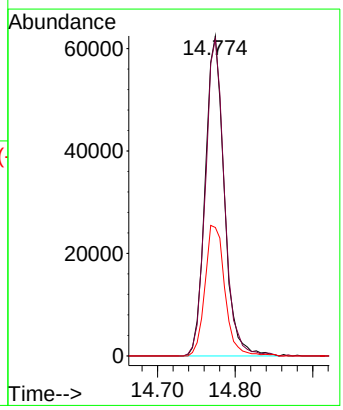


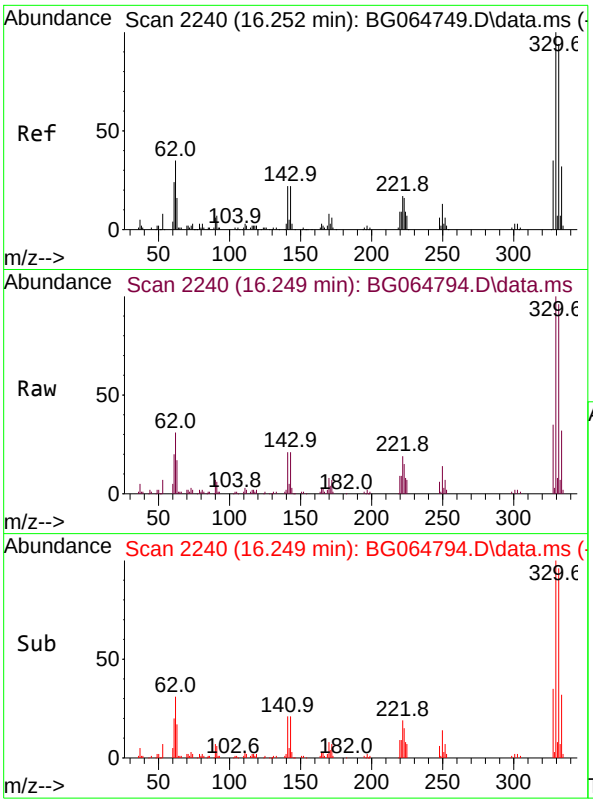


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:164 Resp: 105983

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.8	119.6
160	40.1	34.9	52.3



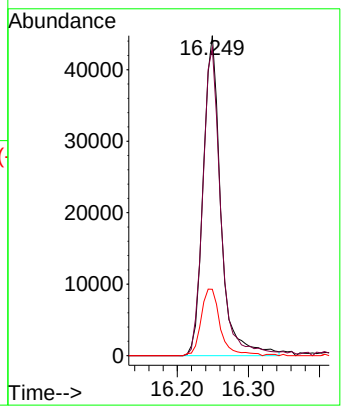


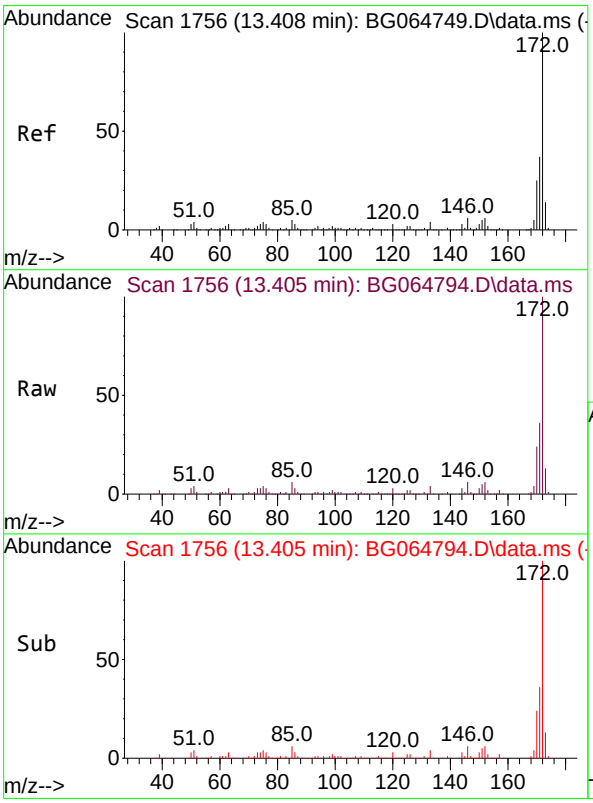
#42
2,4,6-Tribromophenol
Concen: 37.217 ng
RT: 16.249 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion:330 Resp: 76928

Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.0	115.6
141	22.5	18.2	27.2

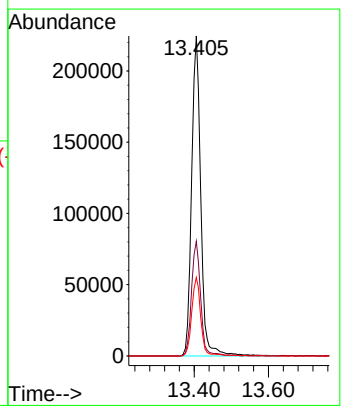


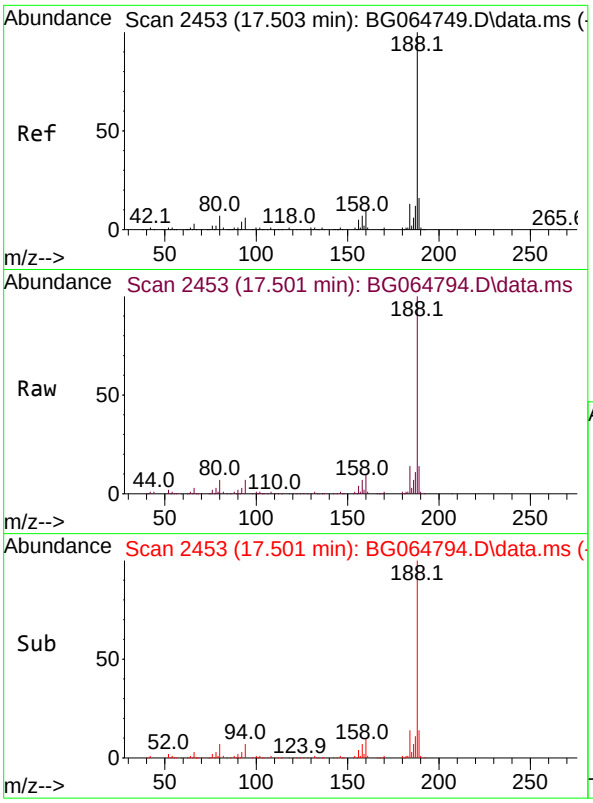


#45
2-Fluorobiphenyl
Concen: 50.542 ng
RT: 13.405 min Scan# 1756
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:172 Resp: 383889

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.9	44.9
170	24.5	19.8	29.6



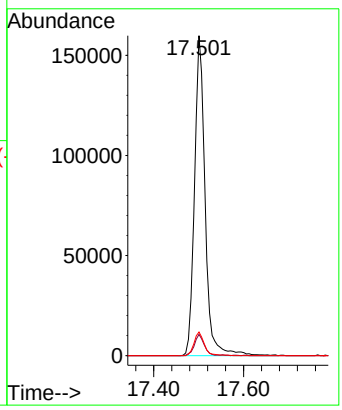


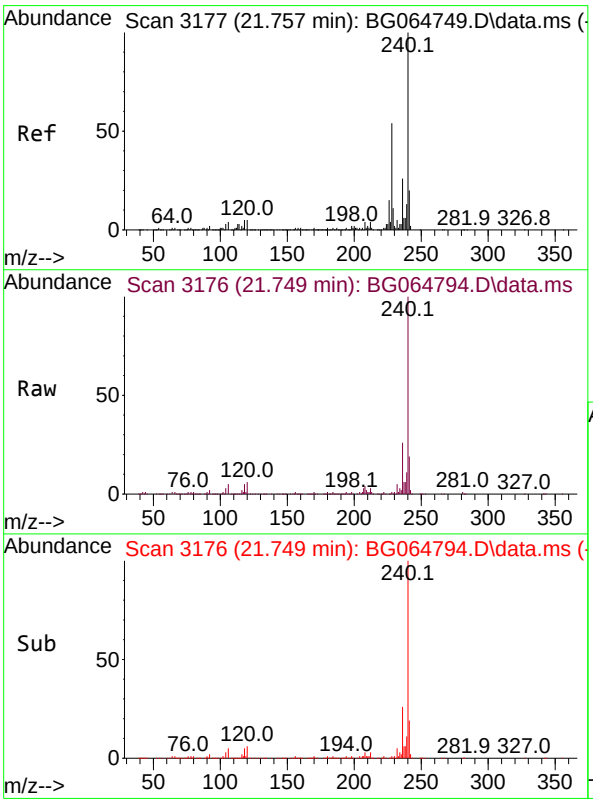
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.501 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion:188 Resp: 261717

Ion	Ratio	Lower	Upper
188	100		
94	6.6	4.7	7.1
80	7.4	5.4	8.2

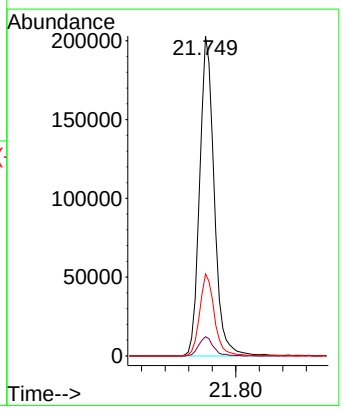


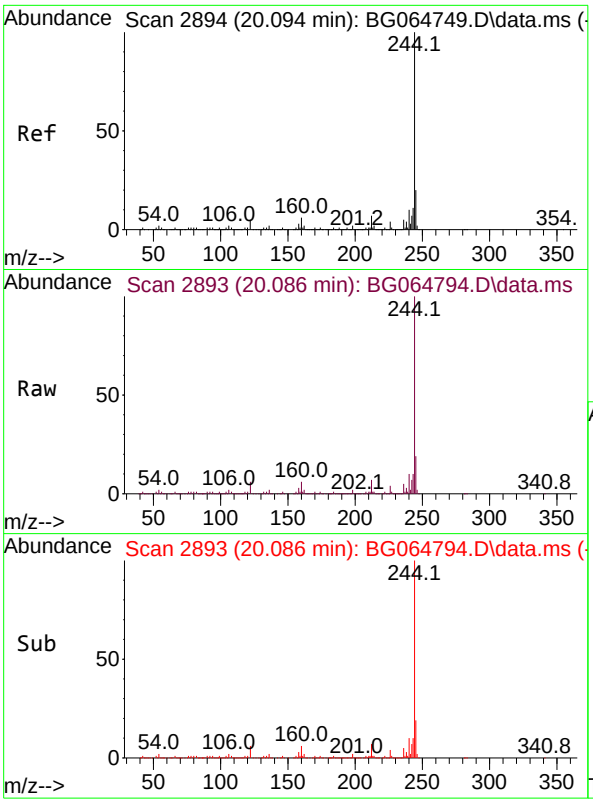


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.009 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:240 Resp: 348460

Ion	Ratio	Lower	Upper
240	100		
120	6.0	4.2	6.4
236	25.6	20.8	31.2



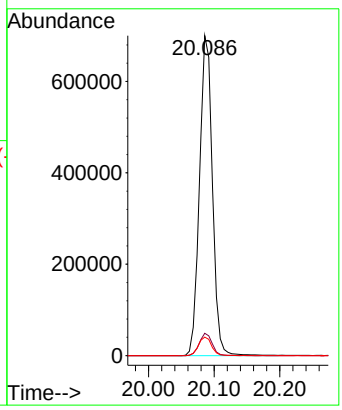


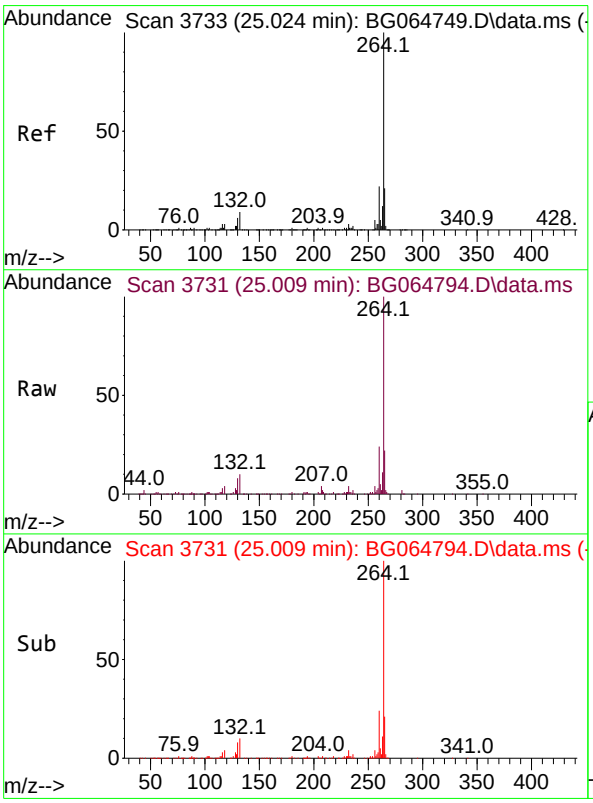
#79
Terphenyl-d14
Concen: 53.698 ng
RT: 20.086 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion:244 Resp: 951230

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	5.8	4.3	6.5

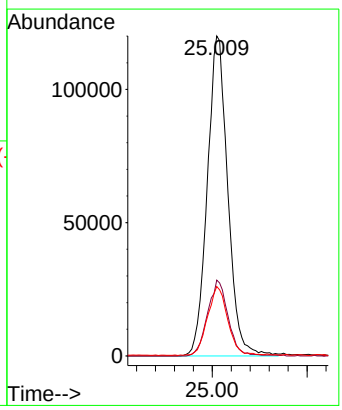




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 3731
Delta R.T. -0.014 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:264 Resp: 360076

Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.2	25.8
265	21.7	16.6	25.0



Sample Results: **BG064794.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

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_G\Methods\8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064794.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.135	3	8	17	rBV2	22553	54514	2.35%	0.561%
2	3.217	17	22	39	rVB	338655	595669	25.65%	6.133%
3	5.221	355	363	372	rBV	35511	56515	2.43%	0.582%
4	5.703	438	445	459	rBV	291265	493051	21.23%	5.076%
5	7.307	708	718	731	rBV	342665	629308	27.10%	6.479%
6	8.164	857	864	871	rBV	118749	208732	8.99%	2.149%
7	9.322	1053	1061	1072	rBV	209050	402586	17.34%	4.145%
8	10.979	1334	1343	1356	rBV	145212	288858	12.44%	2.974%
9	13.405	1748	1756	1770	rBV	637618	1068149	46.00%	10.997%
10	14.774	1982	1989	1999	rBV	252702	425253	18.31%	4.378%
11	16.114	2210	2217	2224	rBV	64357	105785	4.56%	1.089%
12	16.249	2233	2240	2250	rBV	281169	483723	20.83%	4.980%
13	17.501	2446	2453	2465	rBV2	367991	593602	25.56%	6.111%
14	17.865	2510	2515	2525	rBV4	12619	25554	1.10%	0.263%
15	18.376	2596	2602	2607	rBV5	15929	29018	1.25%	0.299%
16	19.898	2856	2861	2872	rBV	36991	69628	3.00%	0.717%
17	20.086	2887	2893	2903	rBV	1715755	2322080	100.00%	23.907%
18	21.384	3109	3114	3119	rBV2	59348	97977	4.22%	1.009%
19	21.749	3170	3176	3191	rVB2	497375	875809	37.72%	9.017%
20	23.464	3463	3468	3473	rVB5	15934	32096	1.38%	0.330%
21	25.009	3721	3731	3747	rVB	285022	855063	36.82%	8.803%

Sum of corrected areas: 9712970

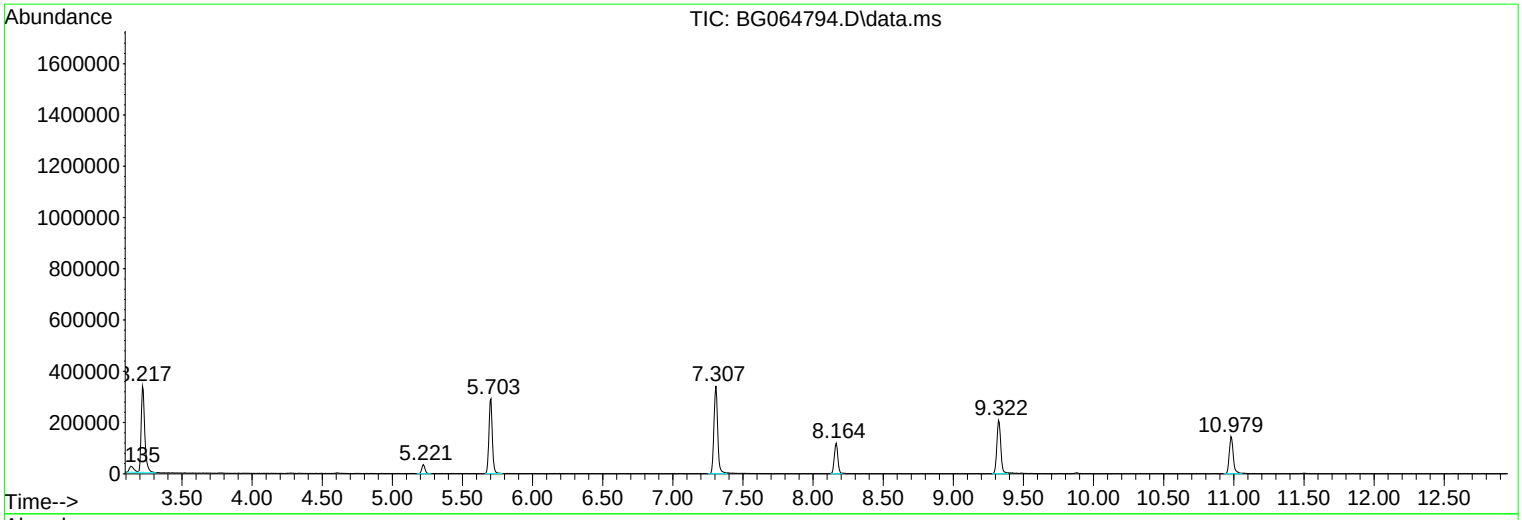
Sample Results: **BG064794.D**

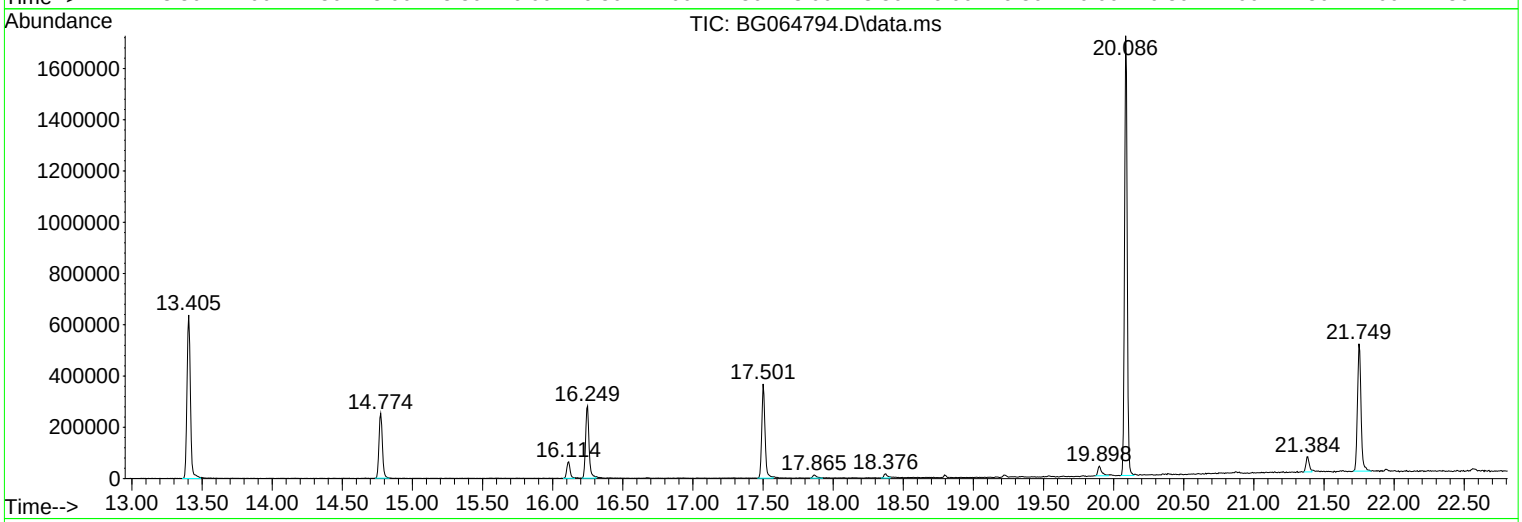
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

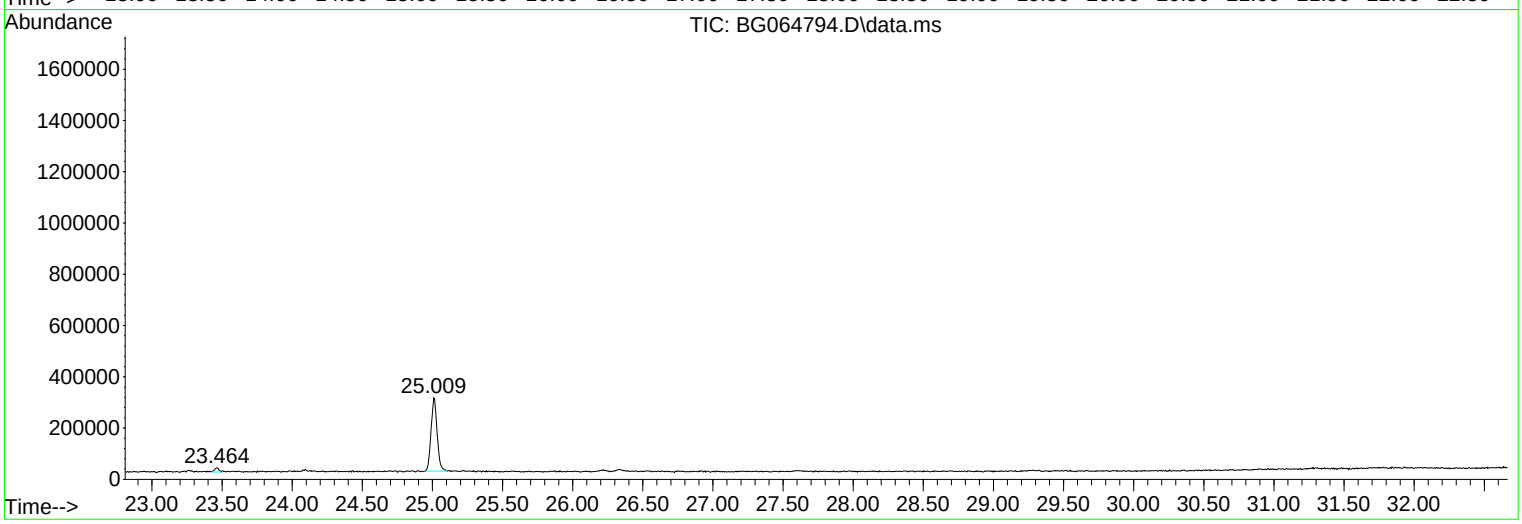
Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.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_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

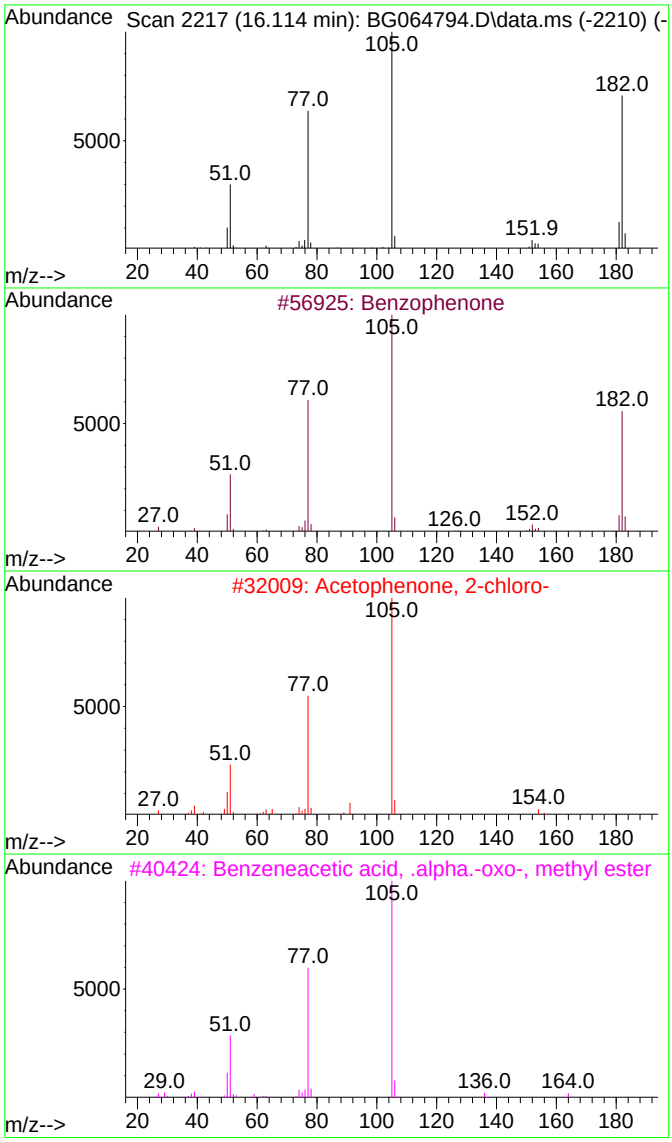
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

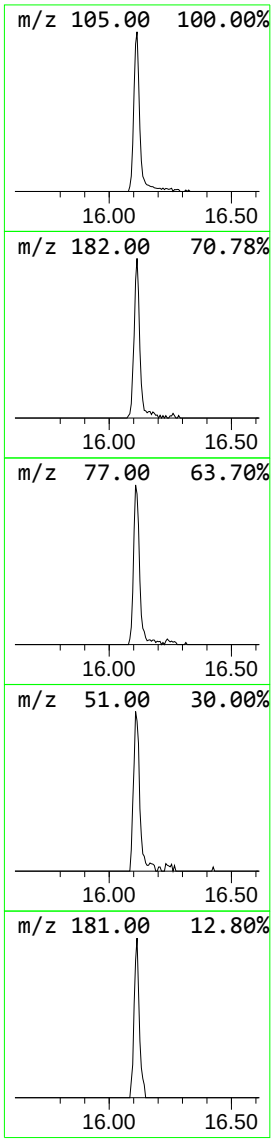
****

Peak Number 4 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.114	4.98 ng	105785	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	49
4	S-Benzoyl(thiohydroxylamine)	153	C7H7NOS	025740-80-1	47
5	Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

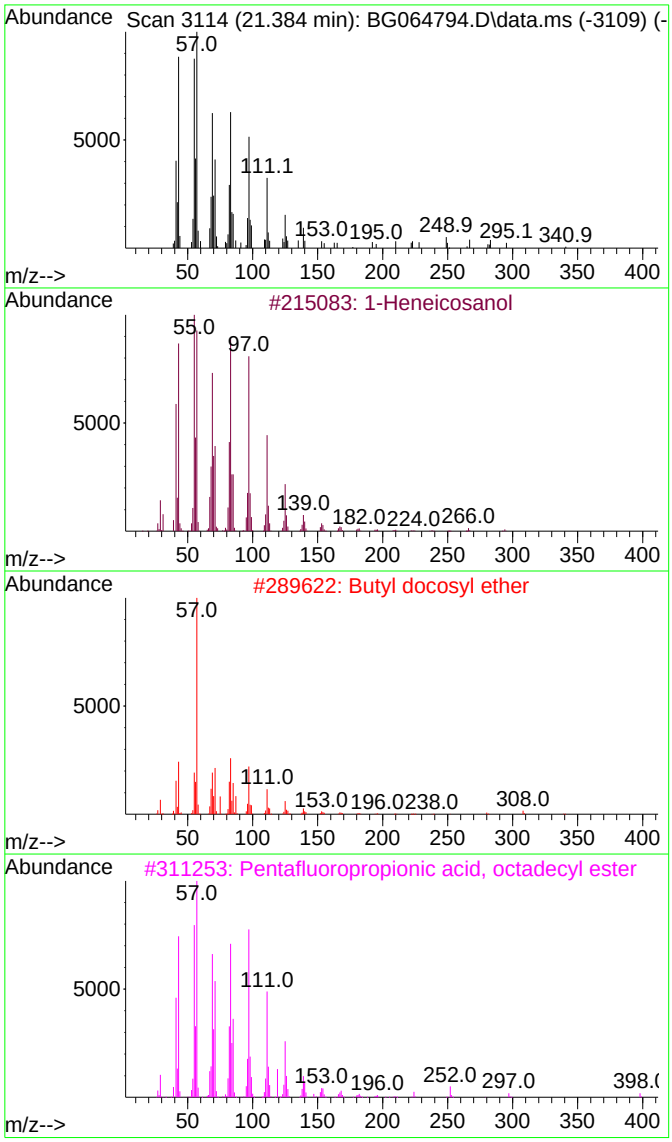
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

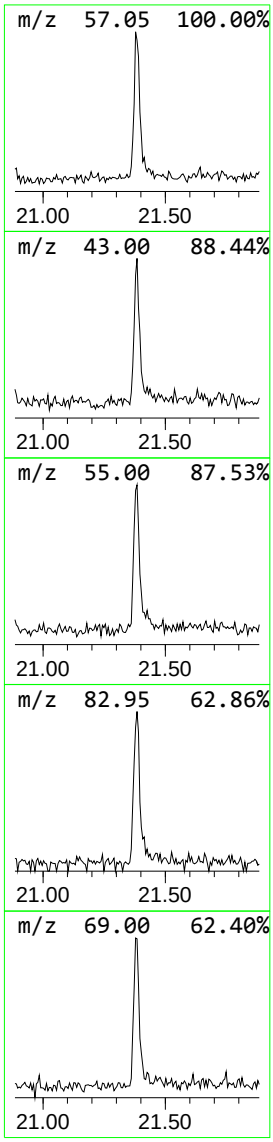
****

Peak Number 5 1-Heneicosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.384	2.24 ng	97977	Chrysene-d12	21.749

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Butyl docosyl ether	382	C26H54O	1000406-40-8	91
3	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	91
4	Eicosyl trifluoroacetate	394	C22H41F3O2	1000351-75-2	91
5	Octacosanol	410	C28H58O	000557-61-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.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
Benzophenone	16.114	5.0	ng	105785	3	14.774	425253	20.0
1-Heneicosanol	21.384	2.2	ng	97977	5	21.749	875809	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

Quant Time: Nov 17 17:50:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	54942	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	197870	20.000	ng		0.00
39) Acenaphthene-d10	9.904	164	98301	20.000	ng		-0.01
64) Phenanthrene-d10	11.398	188	159918	20.000	ng		0.00
76) Chrysene-d12	14.045	240	126617	20.000	ng		0.00
86) Perylene-d12	15.527	264	116785	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	229673	65.416	ng		0.00
7) Phenol-d6	6.498	99	252538	63.481	ng		0.00
23) Nitrobenzene-d5	7.428	82	154937	45.224	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	71557	58.008	ng		0.00
45) 2-Fluorobiphenyl	9.222	172	321411	48.291	ng		0.00
79) Terphenyl-d14	12.986	244	306084	38.398	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.422	178	48193	6.053	ng		99
75) Fluoranthene	12.616	202	84892	10.321	ng		98
78) Pyrene	12.845	202	75242	7.370	ng		99
81) Benzo(a)anthracene	14.033	228	41490	4.728	ng		95
83) Chrysene	14.068	228	41260	5.093	ng		95
84) Bis(2-ethylhexyl)phtha...	14.015	149	13645	2.817	ng		100
88) Benzo(b)fluoranthene	15.092	252	45766m	6.893	ng		
89) Benzo(k)fluoranthene	15.110	252	16564m	2.665	ng		
90) Benzo(a)pyrene	15.462	252	26697	4.359	ng	#	91
92) Benzo(g,h,i)perylene	17.480	276	15681	2.359	ng		96

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

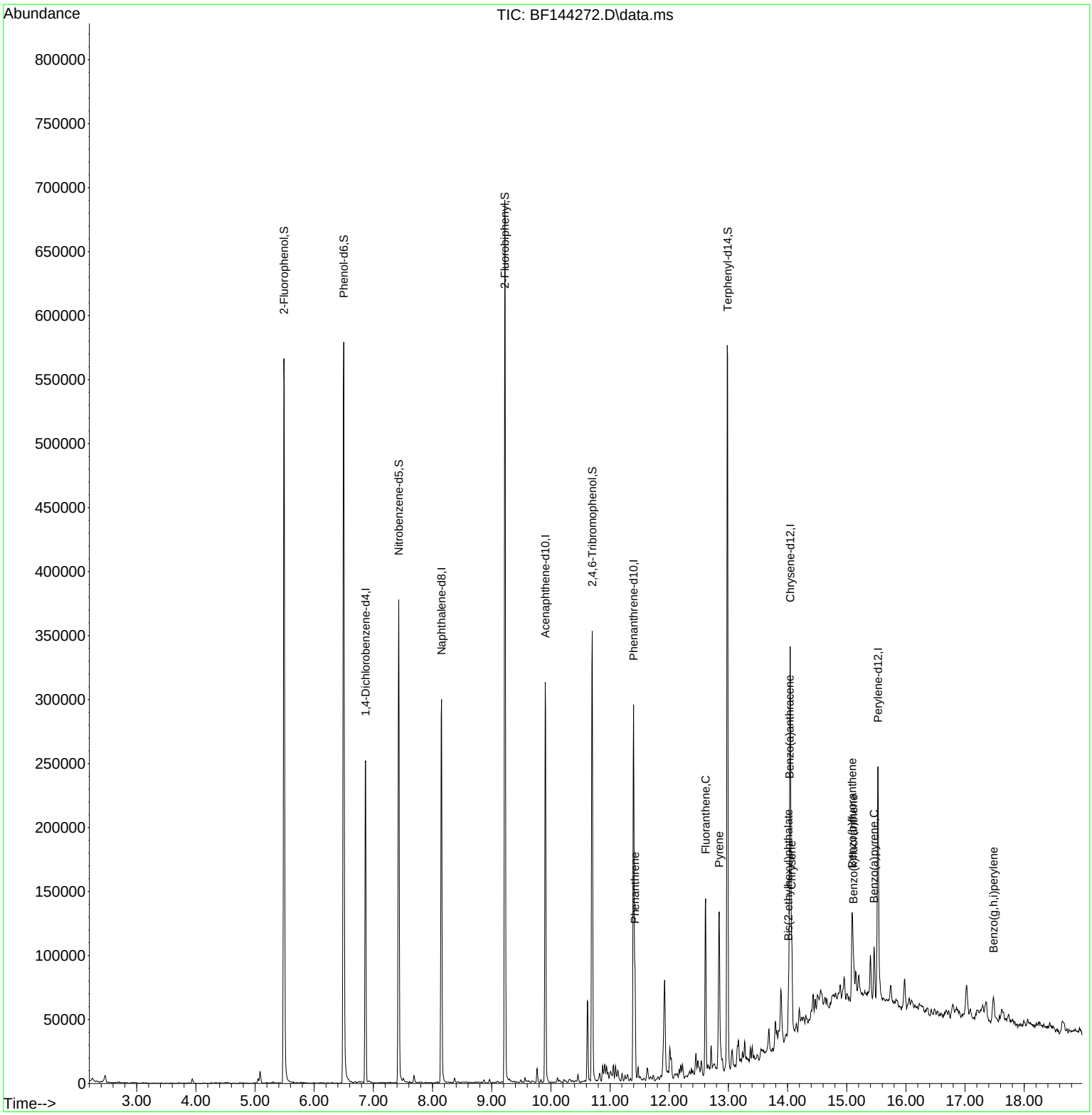
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

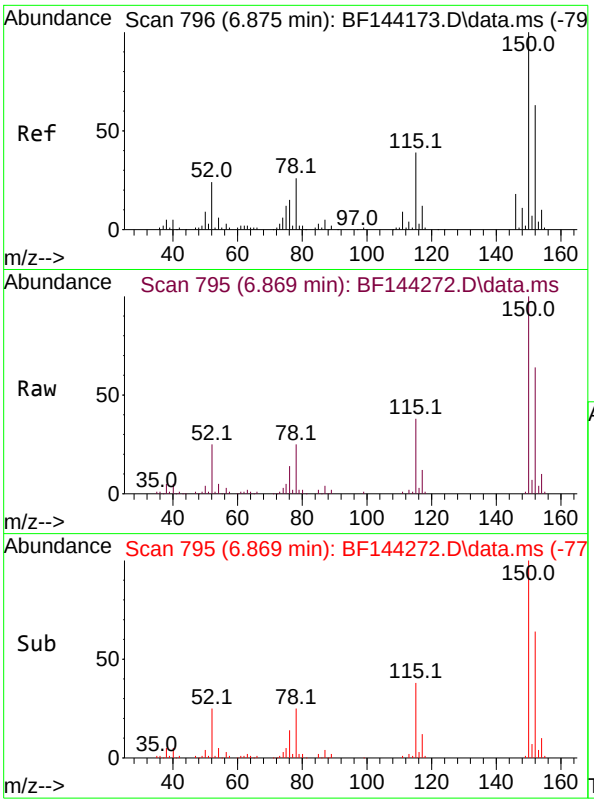
Quant Time: Nov 17 17:50:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

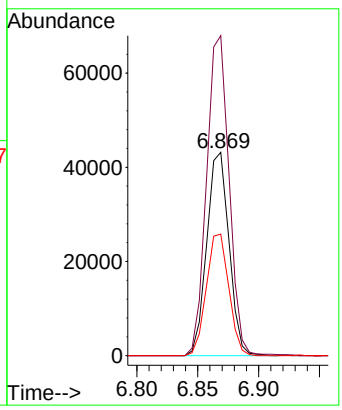




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:152 Resp: 5494

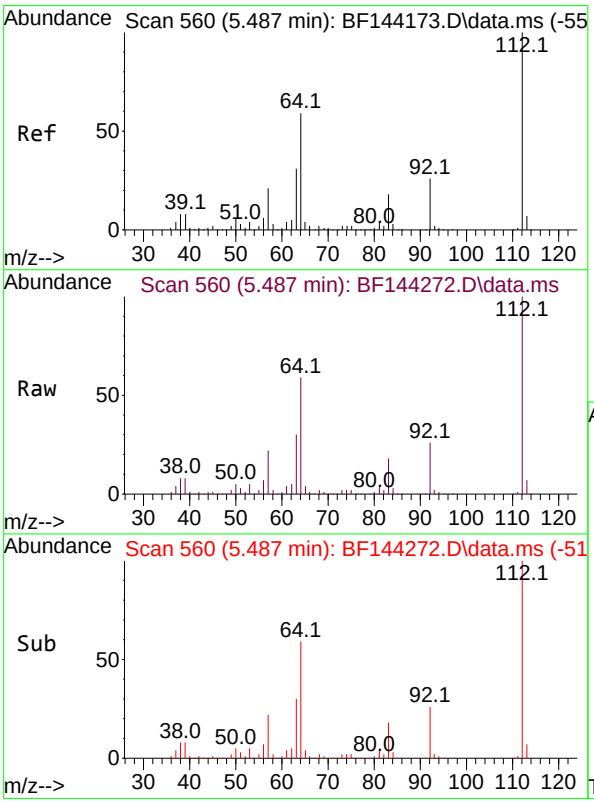
Ion	Ratio	Lower	Upper
152	100		
150	157.5	127.4	191.0
115	59.8	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

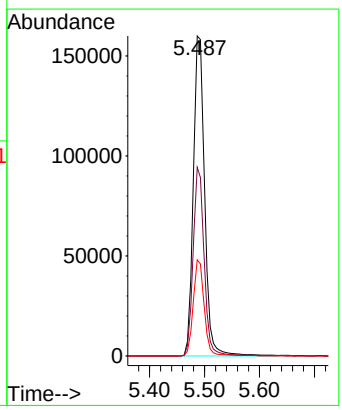
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

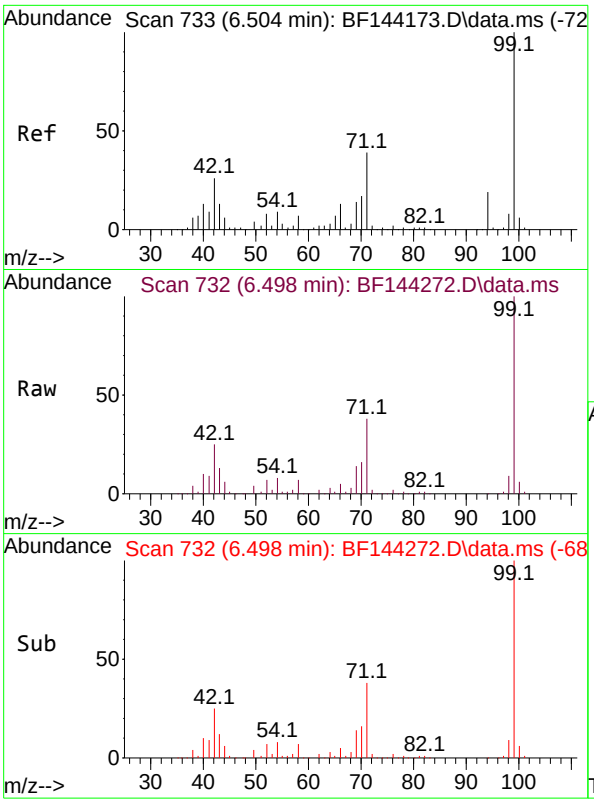


#5
2-Fluorophenol
Concen: 65.416 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:112 Resp: 229673

Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.2	70.8
63	30.0	24.4	36.6

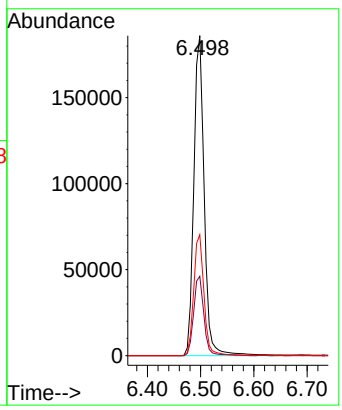




#7
Phenol-d6
Concen: 63.481 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion: 99 Resp: 25253

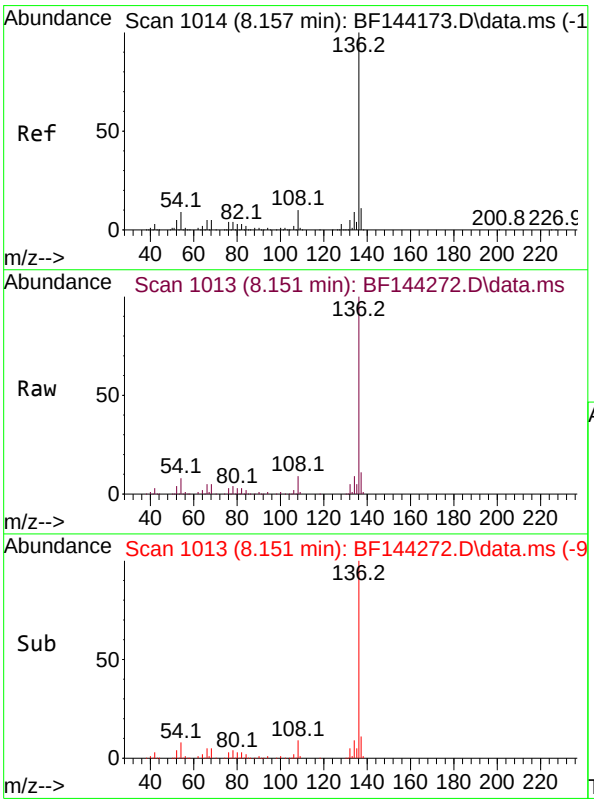
Ion	Ratio	Lower	Upper
99	100		
42	24.8	20.9	31.3
71	37.8	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations
APPROVED

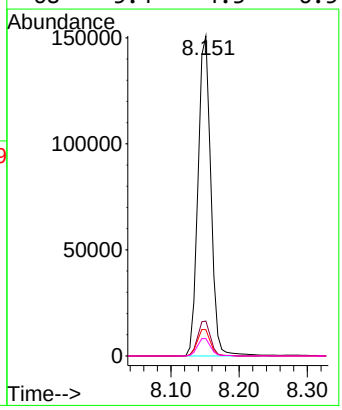
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

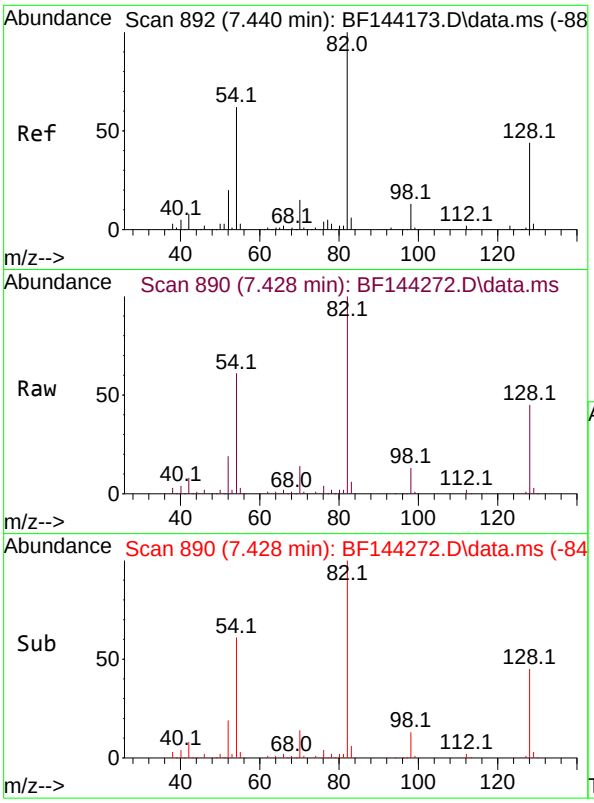


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:136 Resp: 197870

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.2	7.0	10.6
68	5.4	4.3	6.5

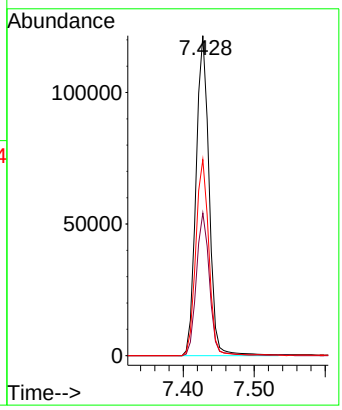




#23
Nitrobenzene-d5
Concen: 45.224 ng
RT: 7.428 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion: 82 Resp: 15493

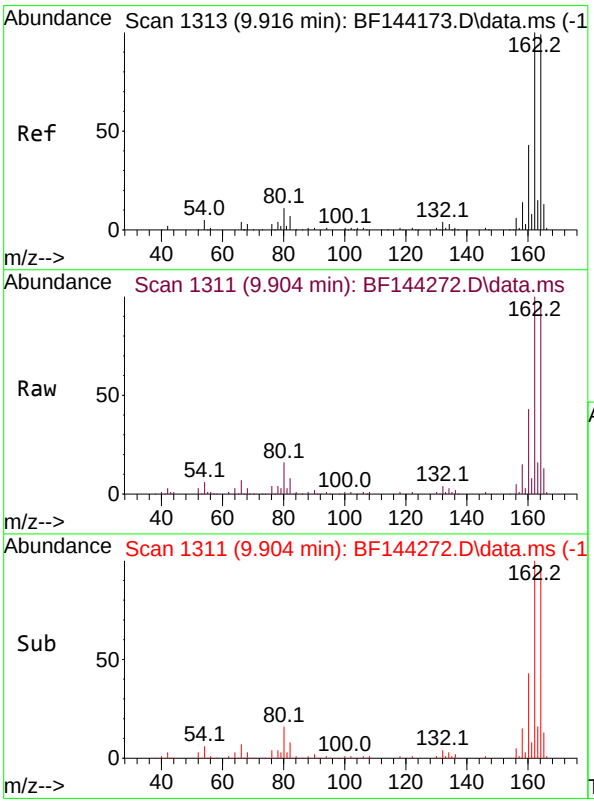
Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.7	52.1
54	61.3	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations
APPROVED

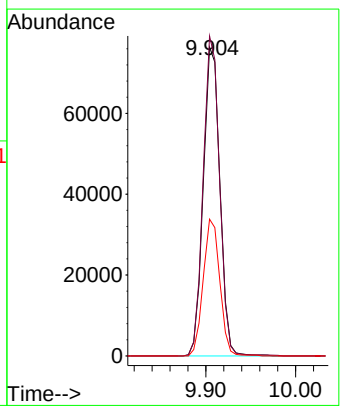
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

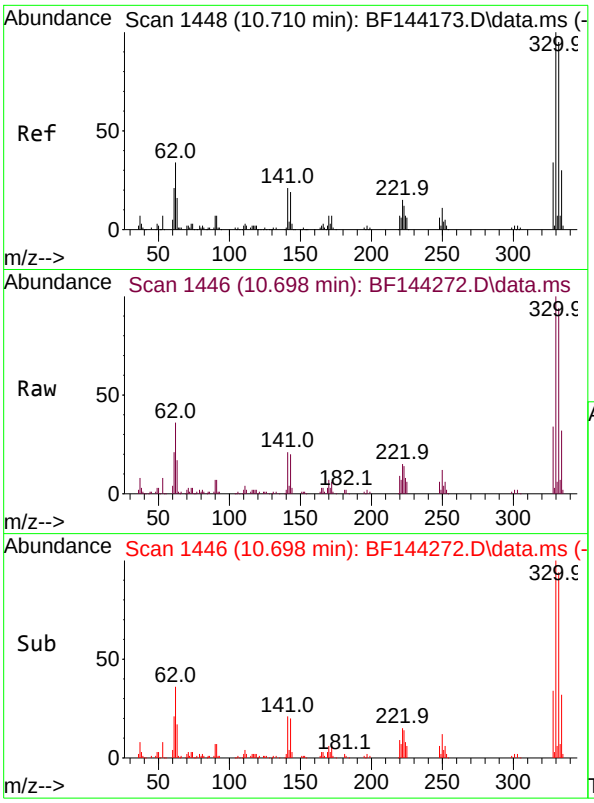


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:164 Resp: 98301

Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.1	121.7
160	44.3	34.5	51.7

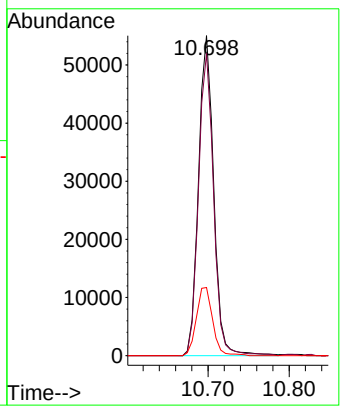




#42
2,4,6-Tribromophenol
Concen: 58.008 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:330 Resp: 7155

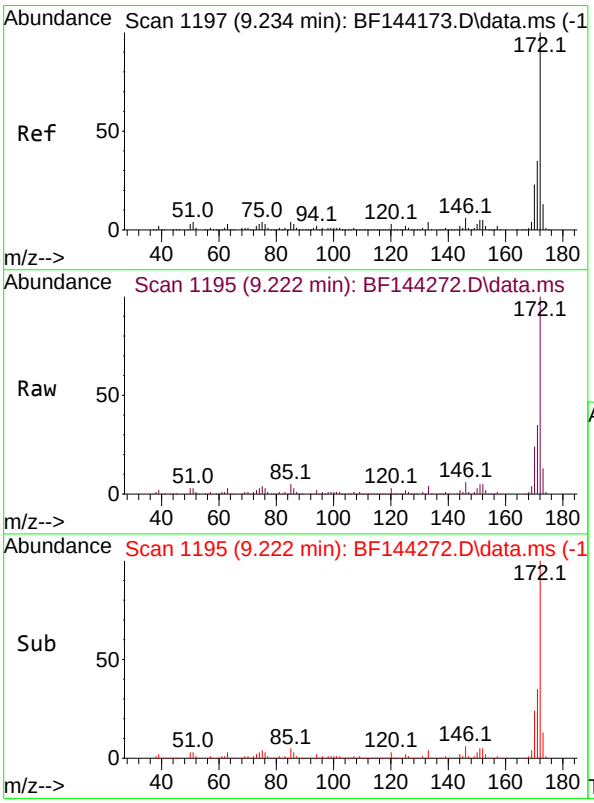
Ion	Ratio	Lower	Upper
330	100		
332	93.9	76.7	115.1
141	22.7	17.8	26.8



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations
APPROVED

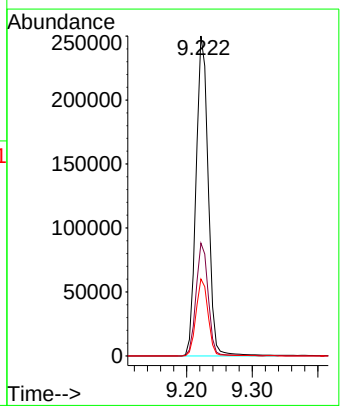
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

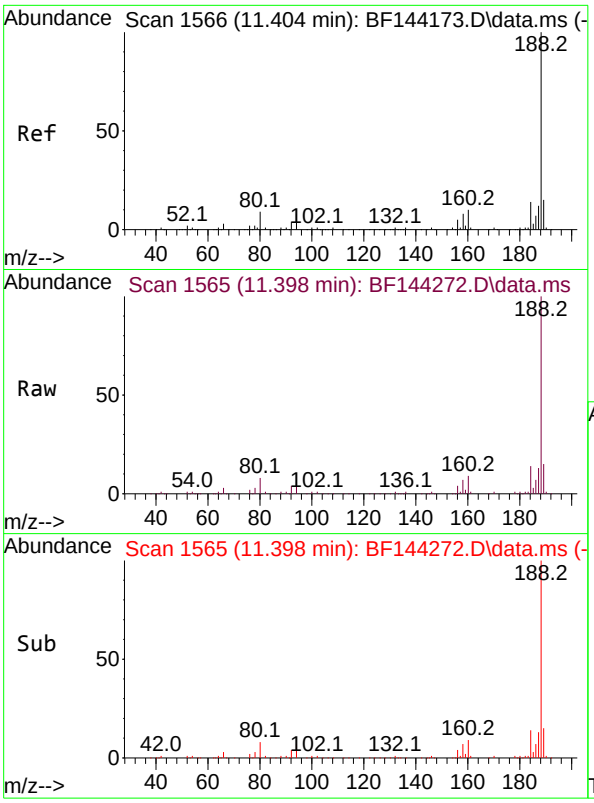


#45
2-Fluorobiphenyl
Concen: 48.291 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:172 Resp: 321411

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	24.1	18.6	28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

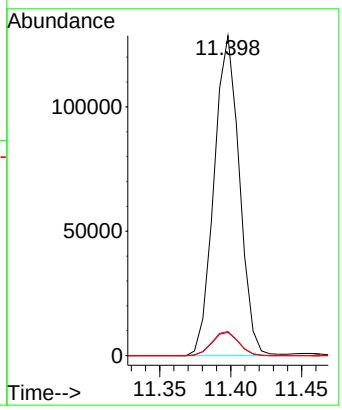
Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

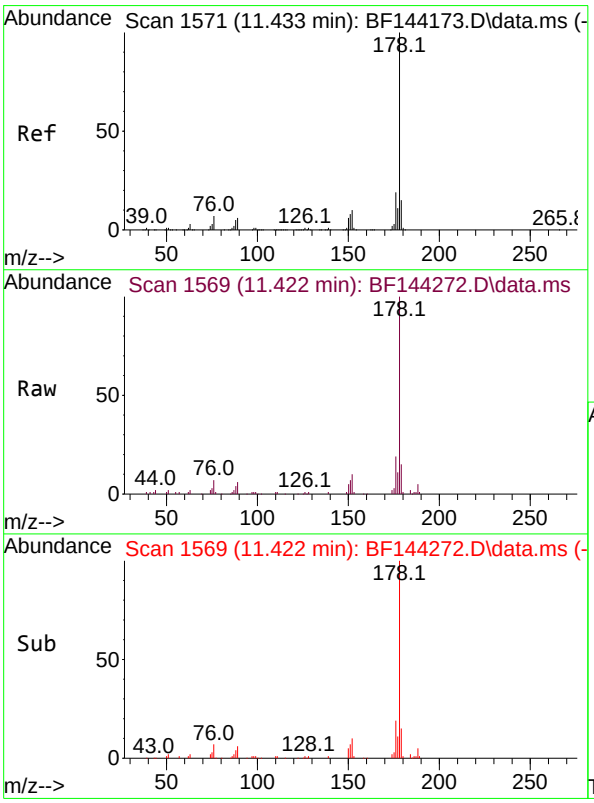
Tgt Ion:188 Resp: 15991

Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.2	9.2
80	7.5	6.9	10.3

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

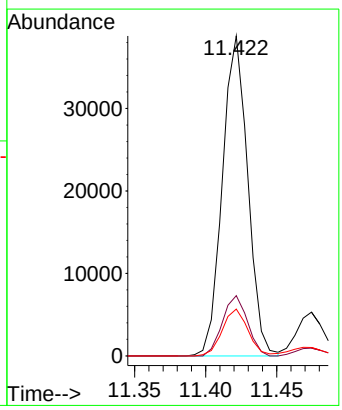


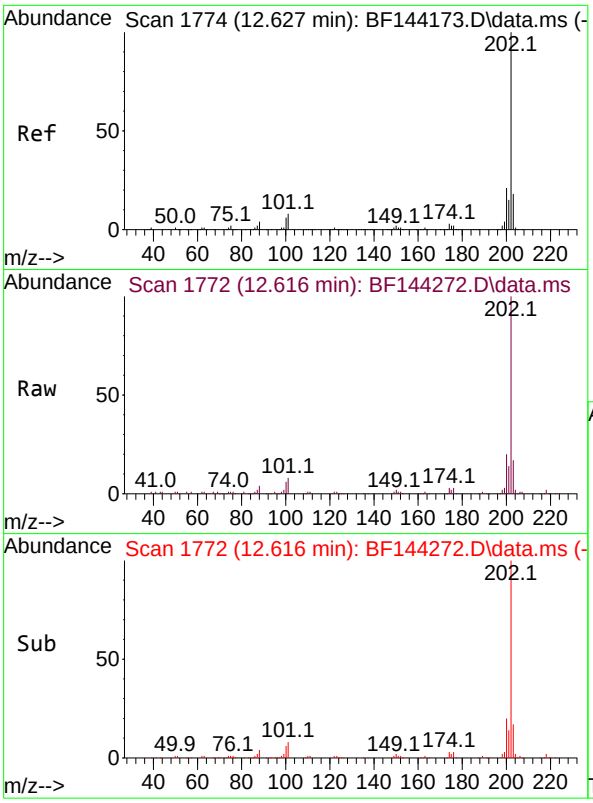


#71
Phenanthrene
Concen: 6.053 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:178 Resp: 48193

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	14.6	12.2	18.4

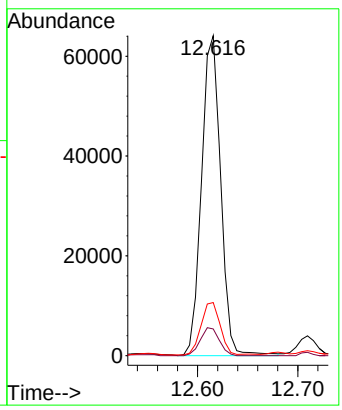




#75
Fluoranthene
Concen: 10.321 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:202 Resp: 8489

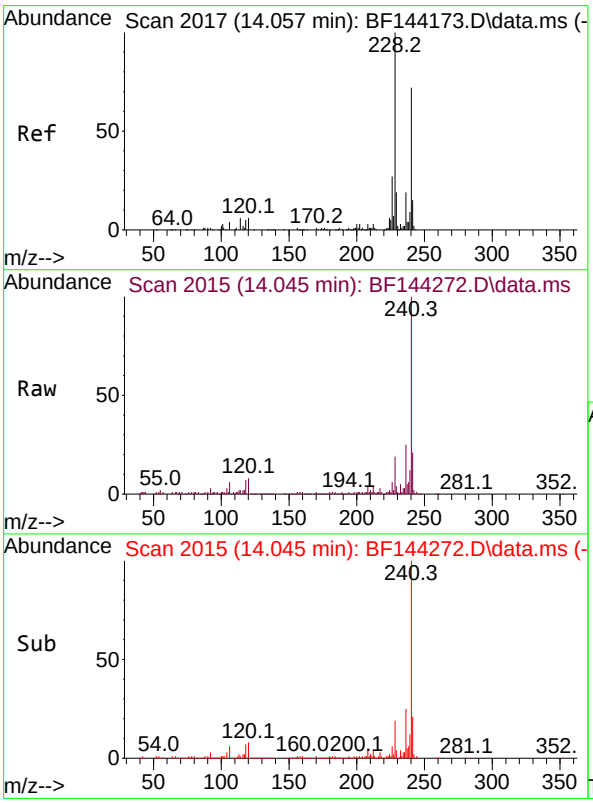
Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	27.9
203	16.6	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

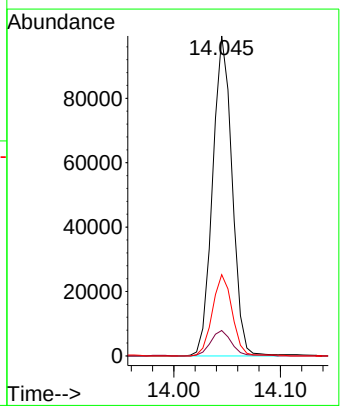
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

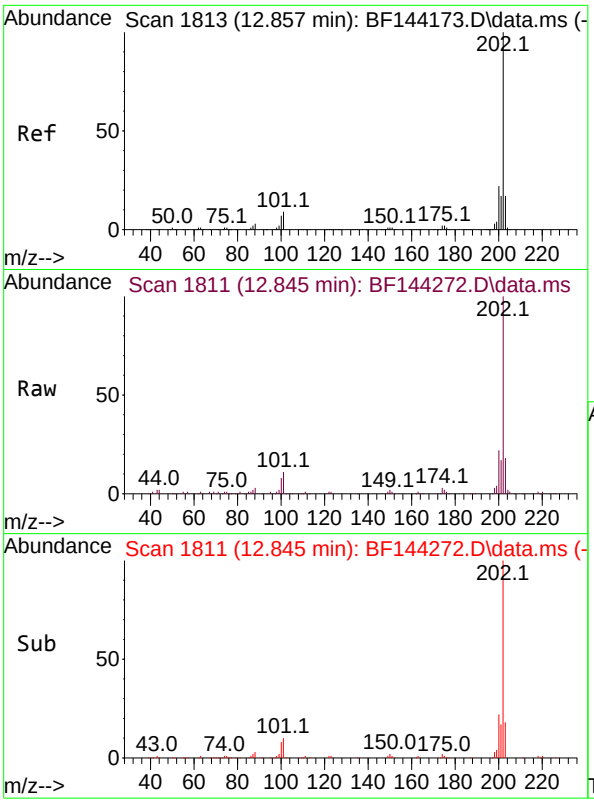


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:240 Resp: 126617

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.6	10.0
236	25.4	21.4	32.2

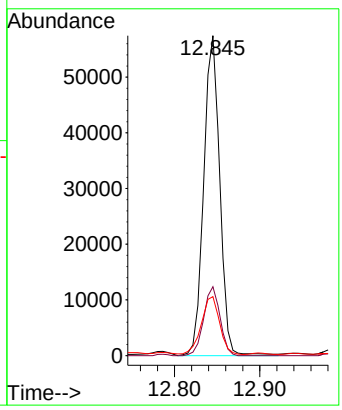




#78
Pyrene
Concen: 7.370 ng
RT: 12.845 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:202 Resp: 7524

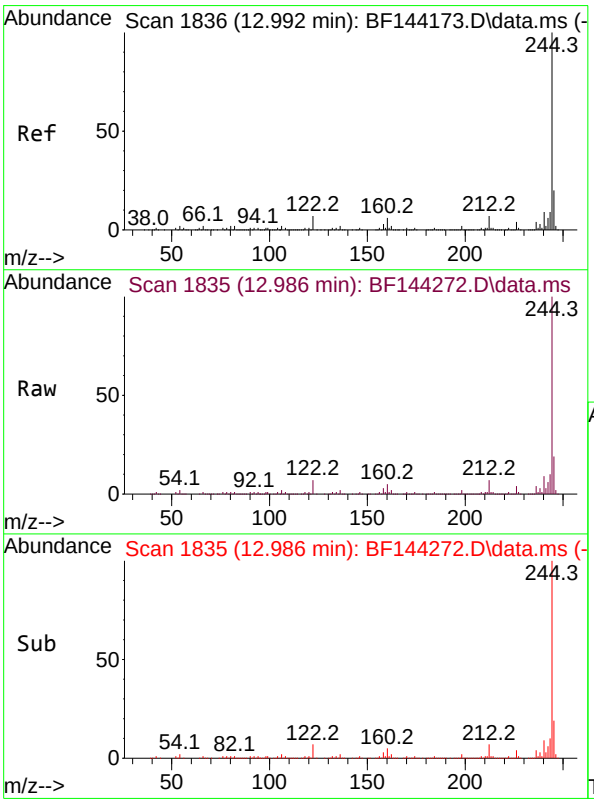
Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	18.4	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations
APPROVED

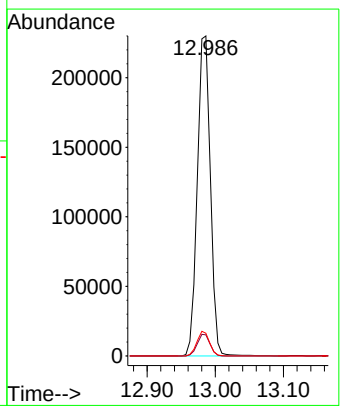
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

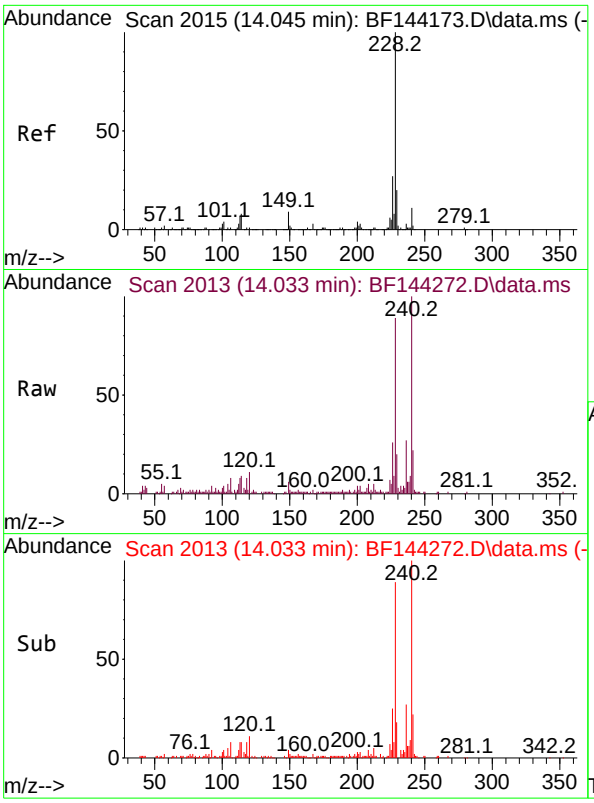


#79
Terphenyl-d14
Concen: 38.398 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:244 Resp: 306084

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	7.1	5.6	8.4

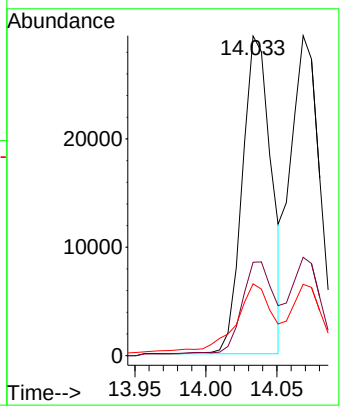




#81
Benzo(a)anthracene
Concen: 4.728 ng
RT: 14.033 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:228 Resp: 4149

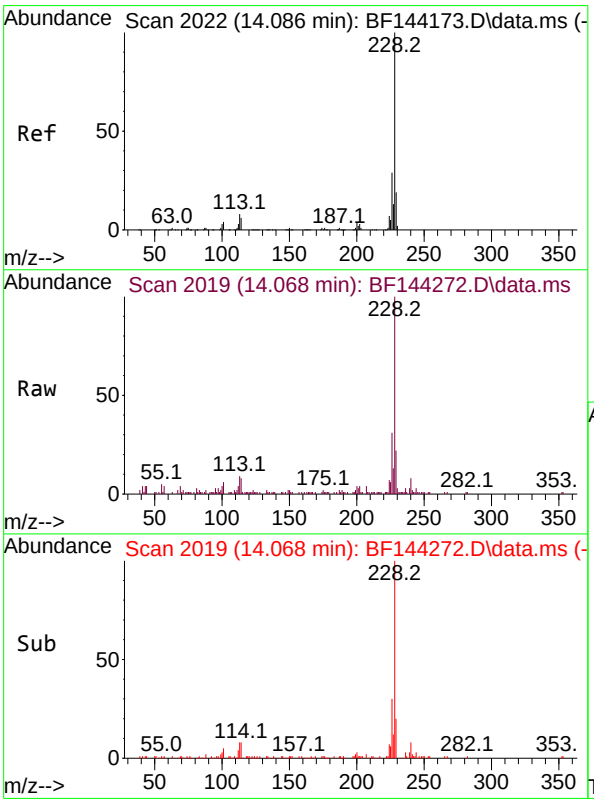
Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.8	32.8
229	22.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

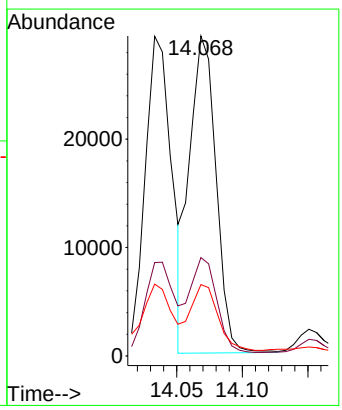
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

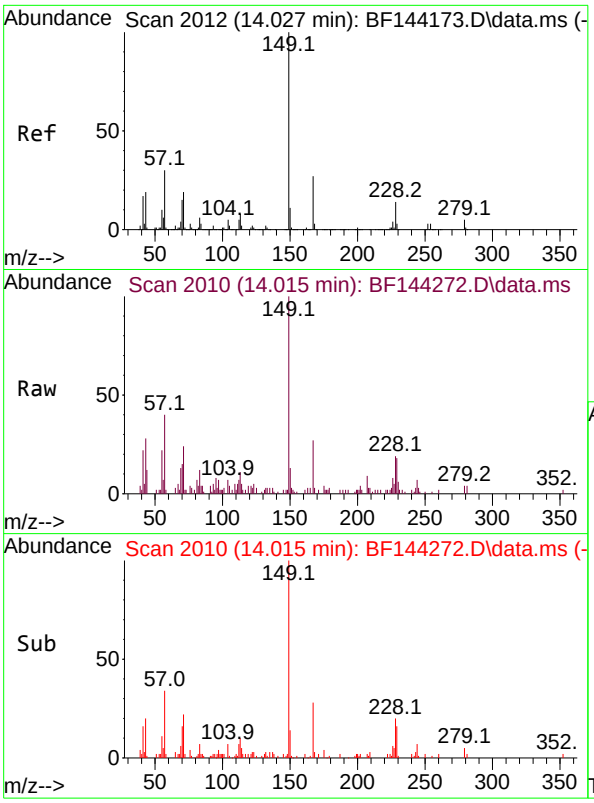


#83
Chrysene
Concen: 5.093 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:228 Resp: 41260

Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.9	34.3
229	22.3	15.0	22.6

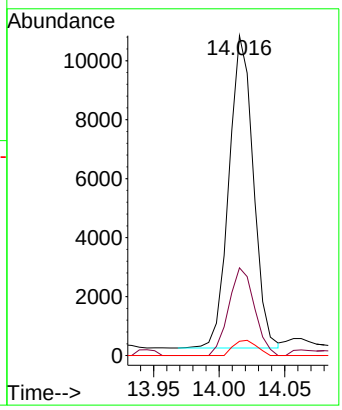




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.817 ng
RT: 14.015 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:149 Resp: 1364

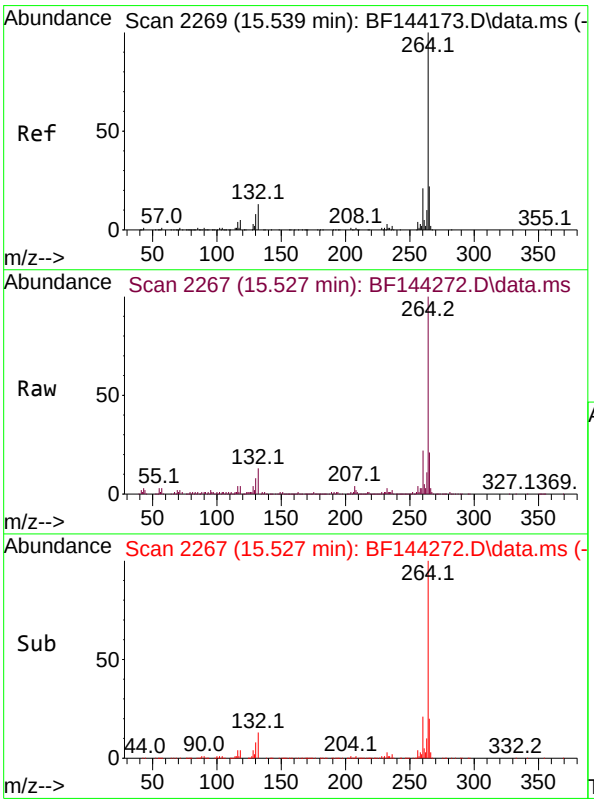
Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.8	32.8
279	4.5	3.7	5.5



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

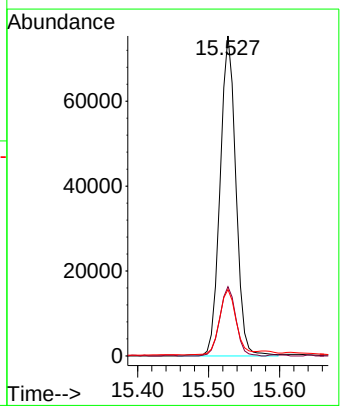
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

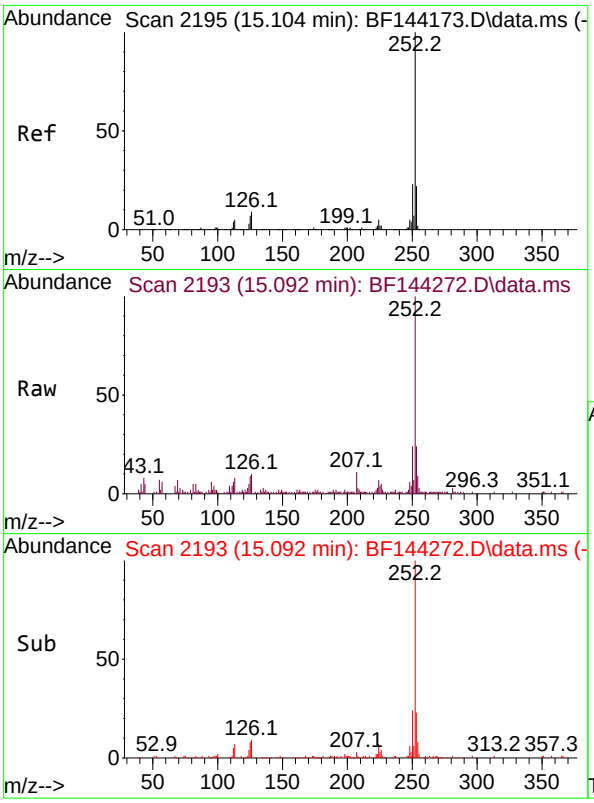


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:264 Resp: 116785

Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.1	25.7
265	20.7	17.4	26.0

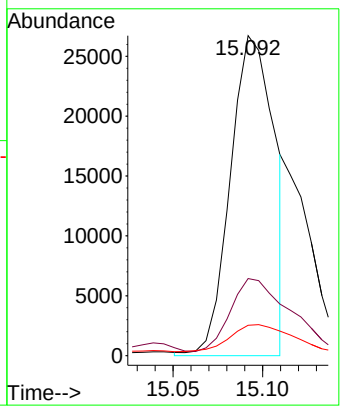




#88
Benzo(b)fluoranthene
Concen: 6.893 ng m
RT: 15.092 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:252 Resp: 4576

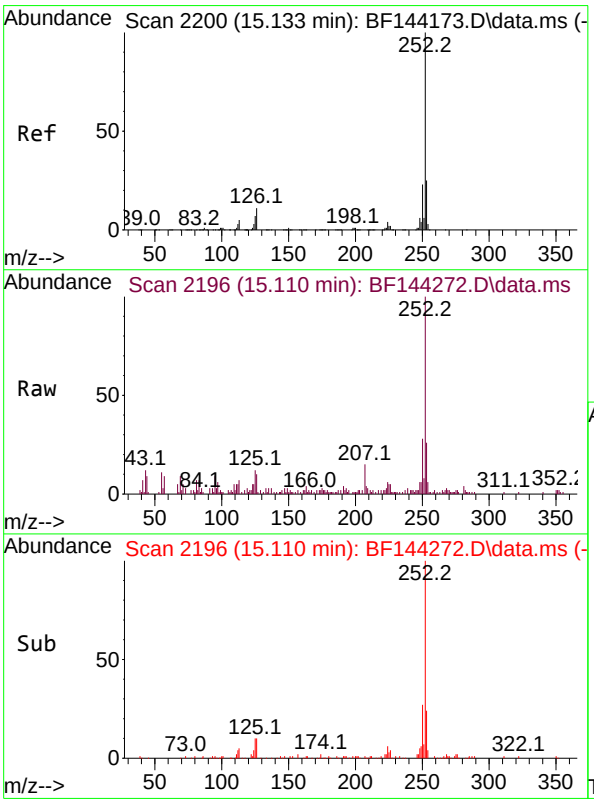
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.2
125	9.5	5.3	7.9#



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

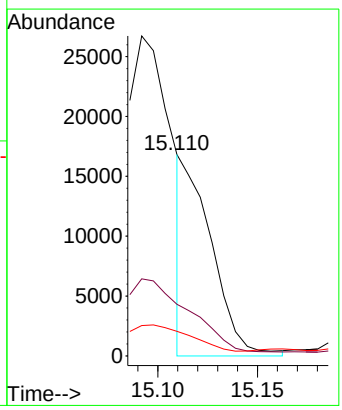
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

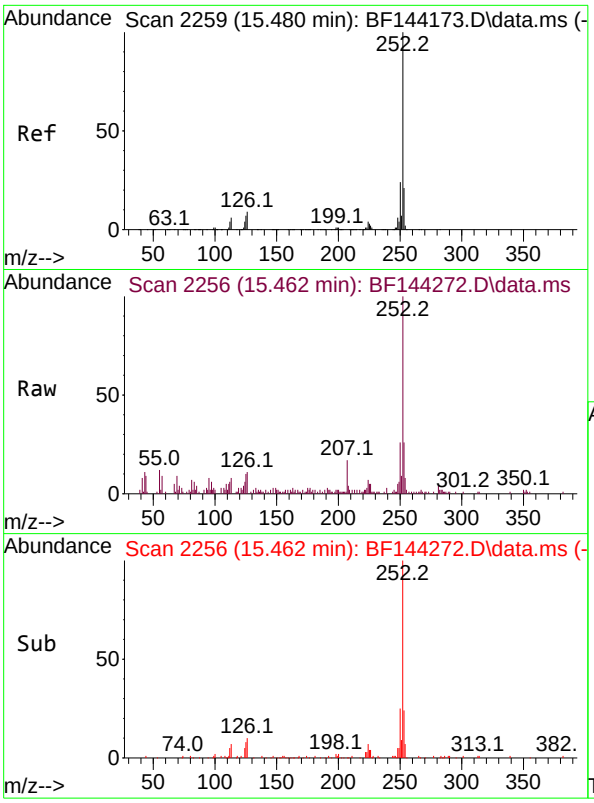


#89
Benzo(k)fluoranthene
Concen: 2.665 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:252 Resp: 16564

Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.0	27.0
125	12.2	5.4	8.2#

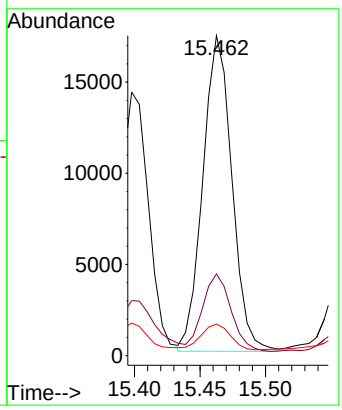




#90
Benzo(a)pyrene
Concen: 4.359 ng
RT: 15.462 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:252 Resp: 2669

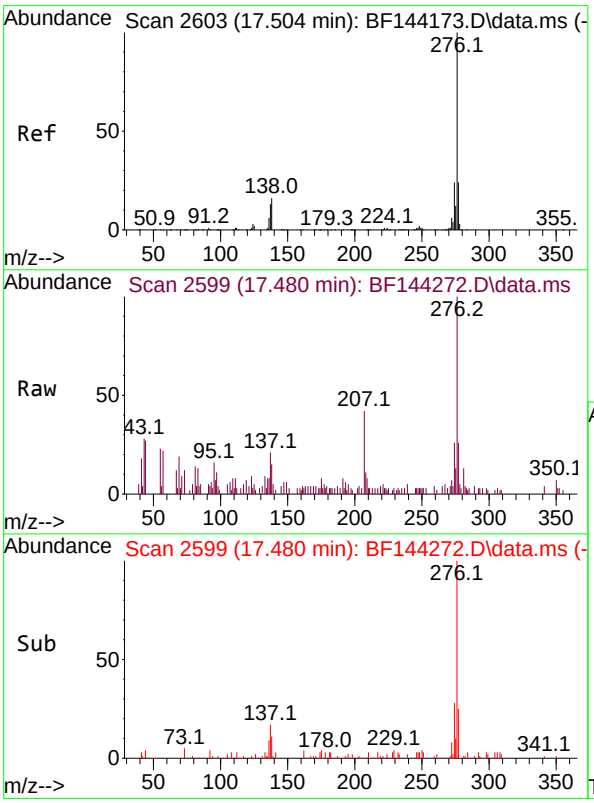
Ion	Ratio	Lower	Upper
252	100		
253	25.5	16.7	25.1#
125	9.9	5.7	8.5#



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

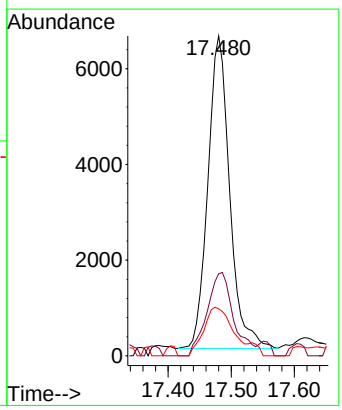
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#92
Benzo(g,h,i)perylene
Concen: 2.359 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:276 Resp: 15681

Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.0	28.4
138	14.7	12.9	19.3



Sample Results: **BF144272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144272.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.463	38	46	52	rVB2	5275	11605	1.34%	0.143%
2	5.087	488	492	497	rVB	8771	13138	1.52%	0.162%
3	5.487	555	560	579	rBV	565926	789031	91.13%	9.755%
4	6.498	726	732	751	rBV	579008	787867	90.99%	9.741%
5	6.869	790	795	800	rBV	251665	324008	37.42%	4.006%
6	7.428	885	890	900	rBV	377492	476900	55.08%	5.896%
7	8.151	1007	1013	1027	rBV	299496	395404	45.67%	4.889%
8	9.222	1190	1195	1206	rBV	689446	865875	100.00%	10.705%
9	9.769	1283	1288	1295	rVB	10843	13084	1.51%	0.162%
10	9.904	1306	1311	1323	rVB	312759	400159	46.21%	4.947%
11	10.457	1402	1405	1412	rVB2	6334	8740	1.01%	0.108%
12	10.616	1428	1432	1437	rBV	62652	81418	9.40%	1.007%
13	10.698	1441	1446	1458	rVB	351549	463027	53.48%	5.725%
14	10.827	1461	1468	1472	rVB5	6092	9686	1.12%	0.120%
15	10.875	1472	1476	1479	rBV	12039	16601	1.92%	0.205%
16	11.010	1494	1499	1503	rBV2	5427	10622	1.23%	0.131%
17	11.057	1503	1507	1510	rVV2	10838	14389	1.66%	0.178%
18	11.092	1510	1513	1517	rVV	10563	13737	1.59%	0.170%
19	11.133	1517	1520	1528	rVB3	8319	13280	1.53%	0.164%
20	11.398	1560	1565	1574	rBV2	293726	469636	54.24%	5.806%
21	11.475	1574	1578	1581	rVB	8485	9948	1.15%	0.123%
22	11.627	1599	1604	1610	rBV2	9822	17675	2.04%	0.219%
23	11.922	1645	1654	1662	rBV3	75524	147812	17.07%	1.827%
24	12.010	1666	1669	1679	rVB3	24104	51898	5.99%	0.642%
25	12.227	1703	1706	1711	rVB	10809	14675	1.69%	0.181%
26	12.451	1740	1744	1747	rBV	16518	22582	2.61%	0.279%
27	12.539	1756	1759	1765	rVB3	11353	17745	2.05%	0.219%
28	12.616	1765	1772	1777	rBV	138231	188963	21.82%	2.336%
29	12.710	1784	1788	1791	rBV	18073	21527	2.49%	0.266%
30	12.845	1804	1811	1818	rBV	122875	199577	23.05%	2.467%
31	12.980	1825	1834	1843	rBV	566957	773881	89.38%	9.568%
32	13.063	1843	1848	1852	rBV3	14780	25535	2.95%	0.316%
33	13.169	1859	1866	1870	rBV2	20407	47175	5.45%	0.583%
34	13.239	1875	1878	1880	rVV	7618	8939	1.03%	0.111%
35	13.274	1881	1884	1888	rVB2	13766	16985	1.96%	0.210%
36	13.368	1897	1900	1903	rBV	10940	12712	1.47%	0.157%

Sample Results: **BF144272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.404	1903	1906	1909	rVB	9643	10998	1.27%	0.136%
38	13.686	1950	1954	1962	rVB	17472	26699	3.08%	0.330%
39	13.792	1968	1972	1975	rBV2	20768	33219	3.84%	0.411%
40	13.886	1984	1988	1997	rVB3	40903	80079	9.25%	0.990%
41	14.045	2006	2015	2028	rBV2	304303	595479	68.77%	7.362%
42	14.198	2038	2041	2045	rBV3	13489	20031	2.31%	0.248%
43	15.092	2189	2193	2201	rBV	65981	140991	16.28%	1.743%
44	15.398	2242	2245	2251	rVB	33830	49408	5.71%	0.611%
45	15.462	2252	2256	2261	rVV	40652	61281	7.08%	0.758%
46	15.527	2262	2267	2280	rVB	182658	314326	36.30%	3.886%

Sum of corrected areas: 8088347

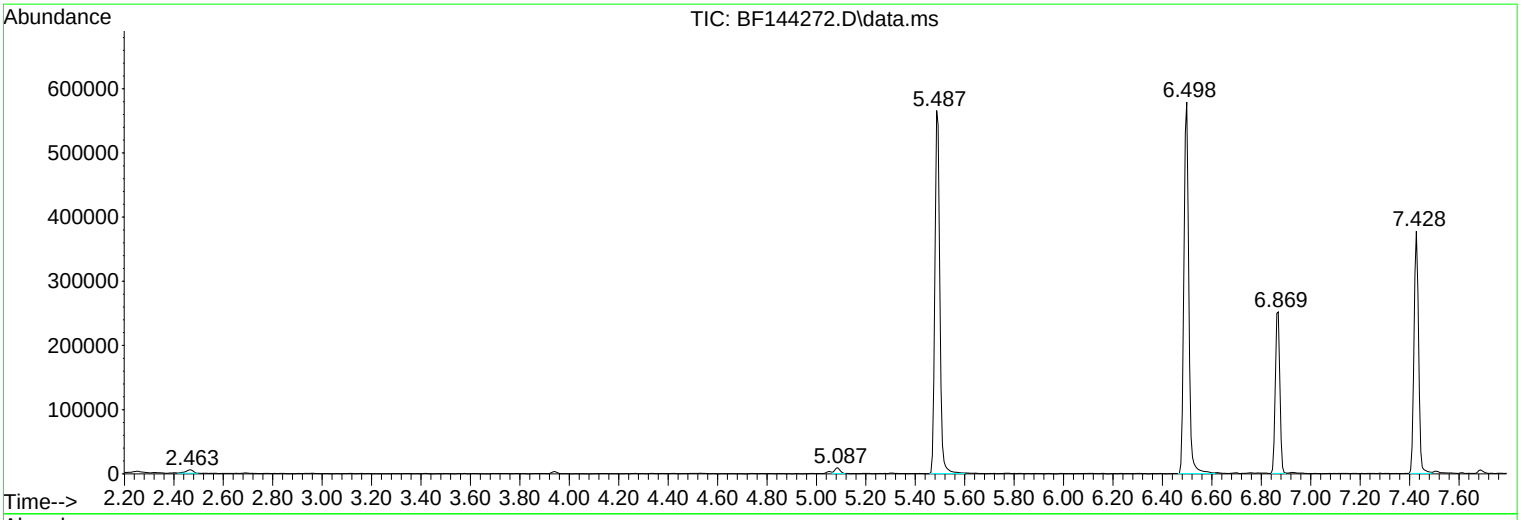
Sample Results: **BF144272.D**

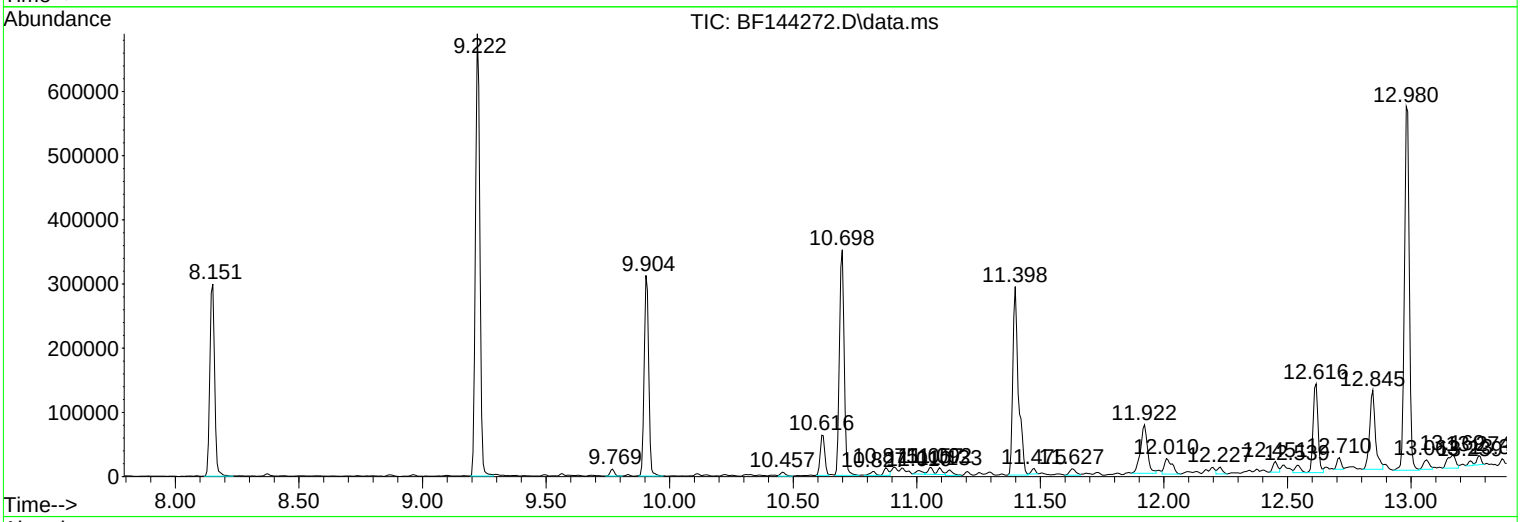
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

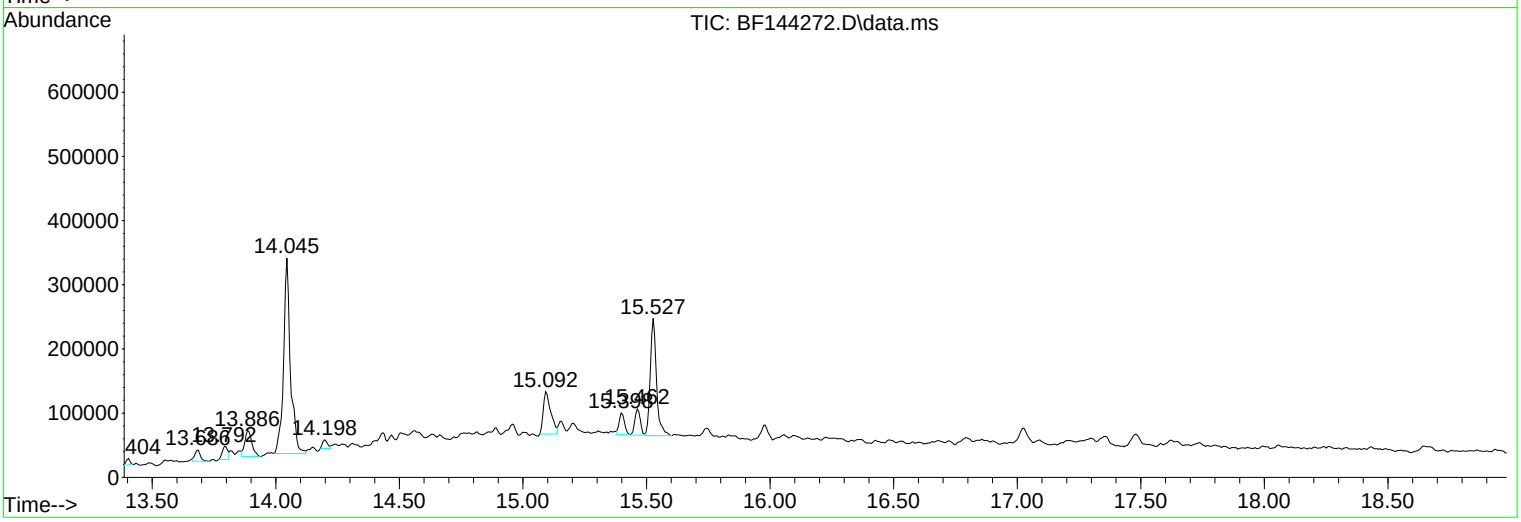
Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

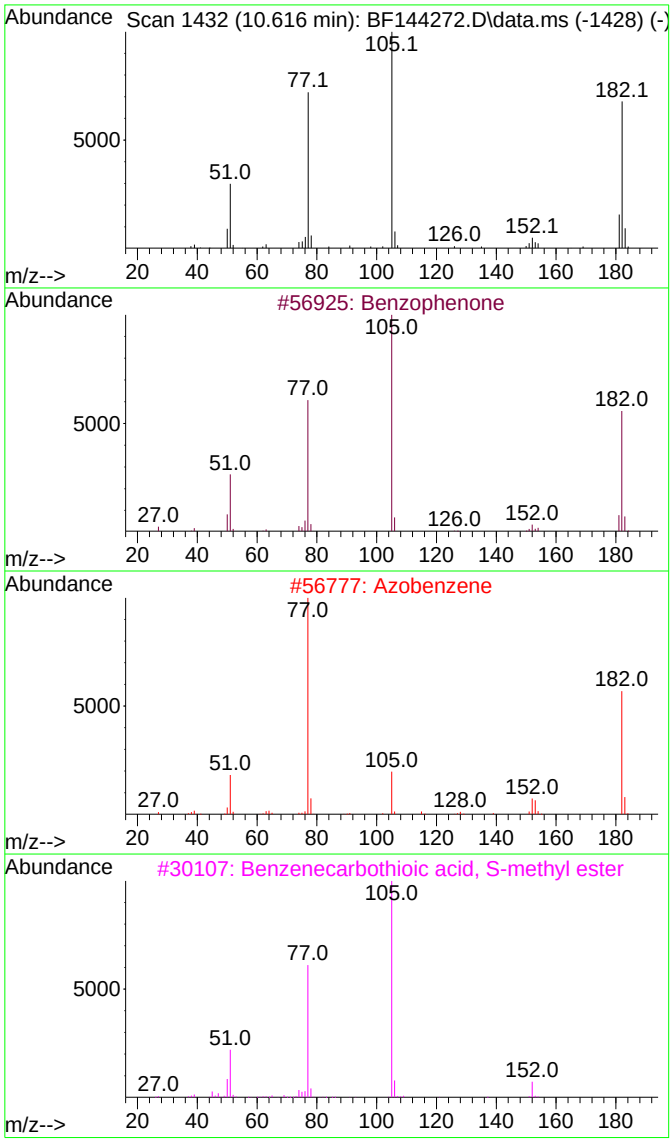
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

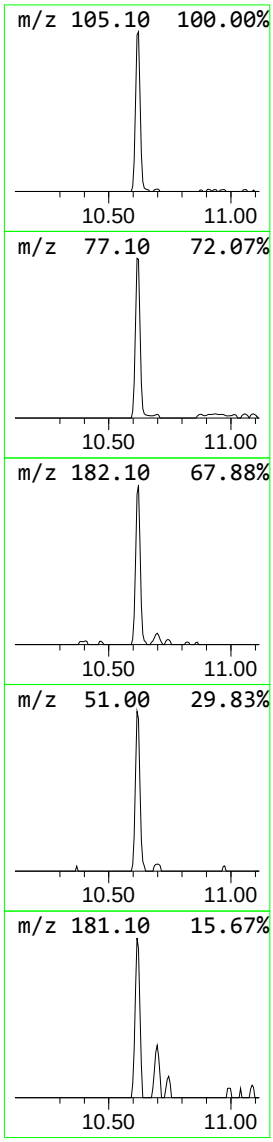
****

Peak Number 1 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	4.07 ng	81418	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	58
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	53
4	Benzoylformic acid	150	C8H6O3	000611-73-4	53
5	Vinyl benzoate	148	C9H8O2	000769-78-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

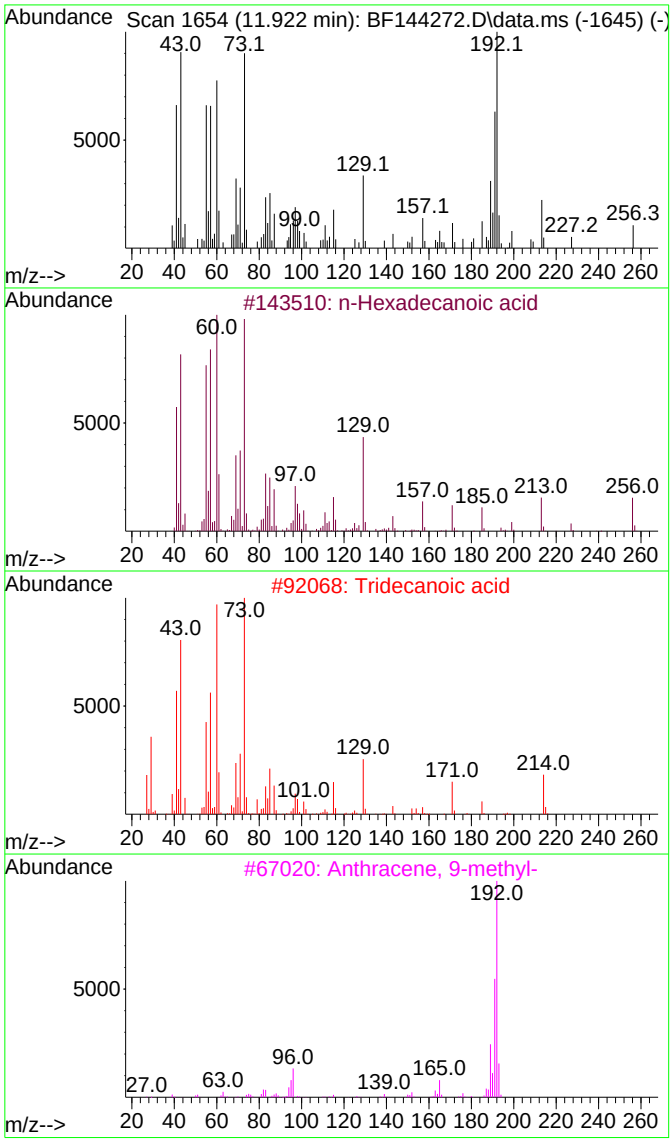
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

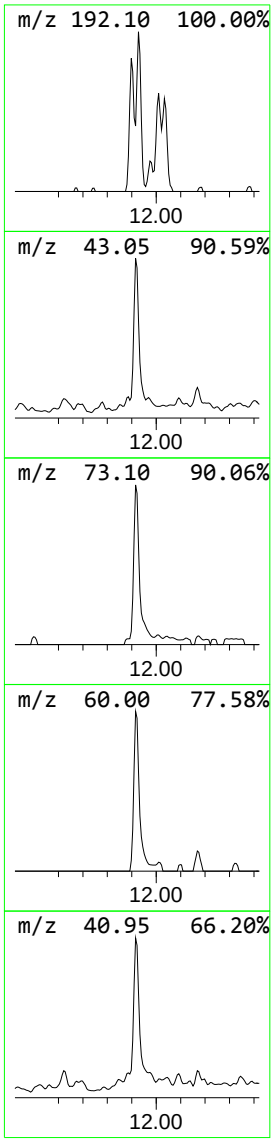
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	6.29 ng	147812	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	66
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

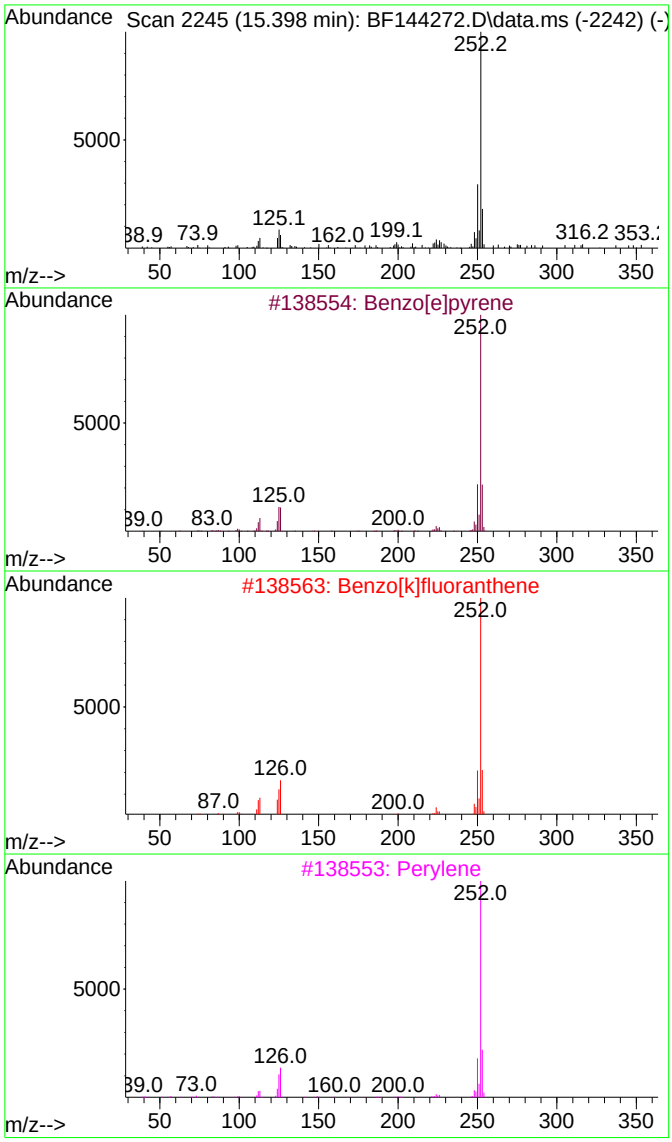
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

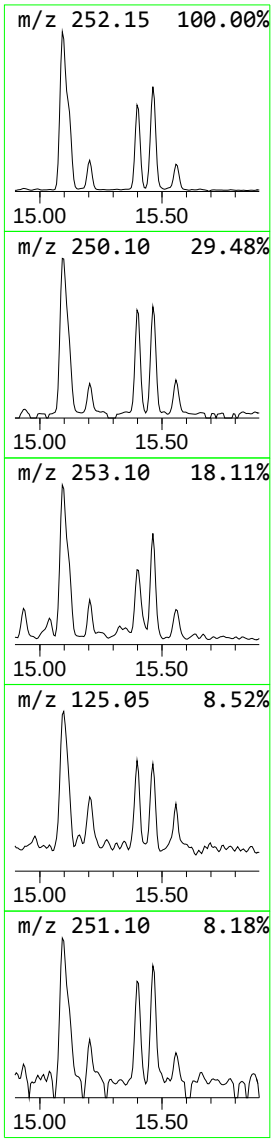
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.398	3.14 ng	49408	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
3	Perylene	252	C20H12	000198-55-0	76
4	Benzo[a]pyrene	252	C20H12	000050-32-8	76
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.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
Benzophenone	10.616	4.1	ng	81418	3	9.904	400159	20.0
n-Hexadecanoic ...	11.922	6.3	ng	147812	4	11.398	469636	20.0
Benzo[e]pyrene	15.398	3.1	ng	49408	6	15.527	314326	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Quant Time: Nov 18 00:23:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

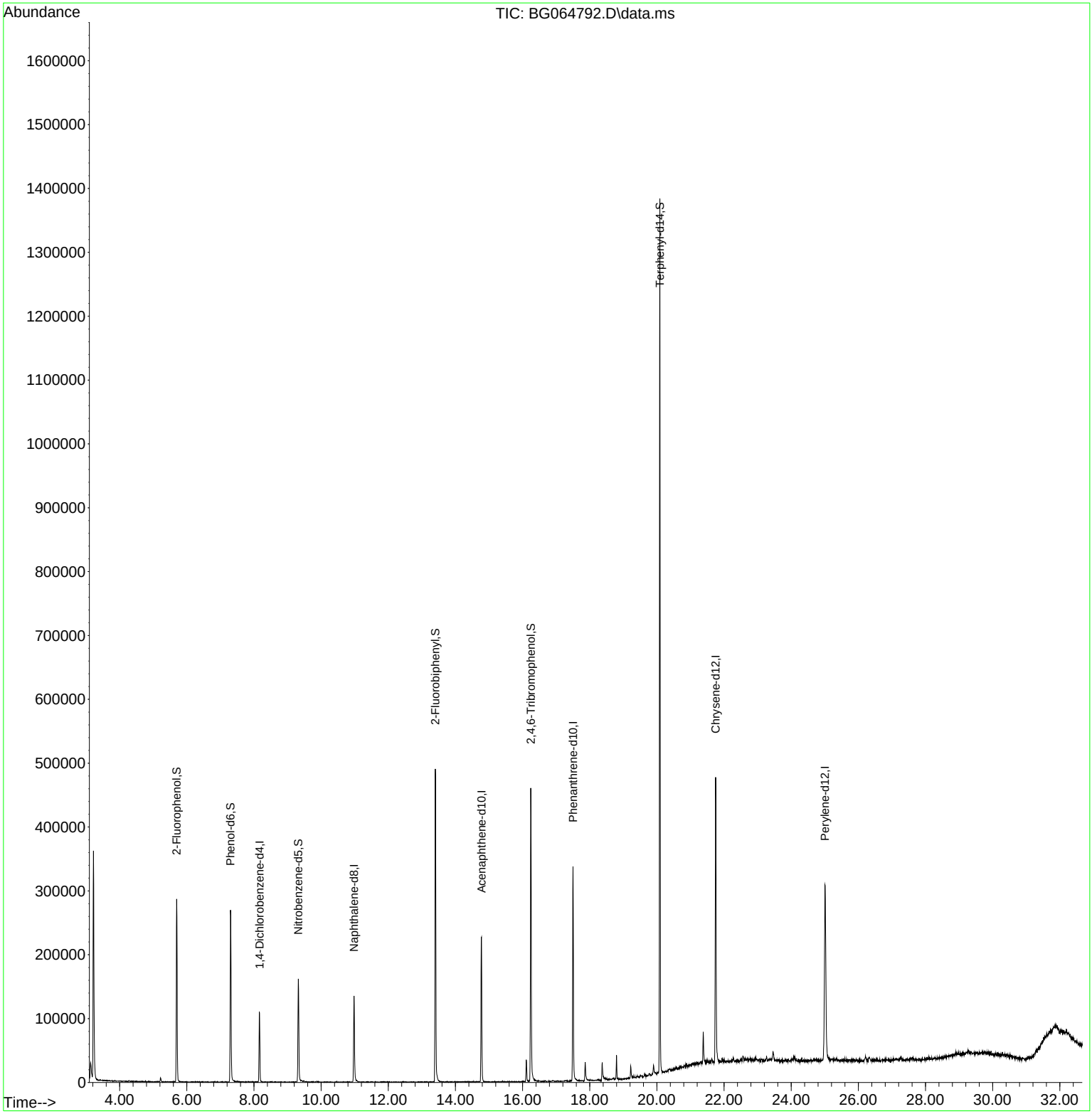
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.167	152	33180	20.000	ng	0.00
21) Naphthalene-d8	10.981	136	121269	20.000	ng	0.00
39) Acenaphthene-d10	14.777	164	93445	20.000	ng	0.00
64) Phenanthrene-d10	17.503	188	234373	20.000	ng	0.00
76) Chrysene-d12	21.751	240	327722	20.000	ng	0.00
86) Perylene-d12	25.006	264	336150	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.699	112	122605	64.525	ng	0.00
7) Phenol-d6	7.303	99	159416	63.079	ng	0.00
23) Nitrobenzene-d5	9.324	82	101547	41.402	ng	0.00
42) 2,4,6-Tribromophenol	16.246	330	120768	66.266	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	286692	42.809	ng	0.00
79) Terphenyl-d14	20.088	244	743942	44.654	ng	0.00
Target Compounds						Qvalue

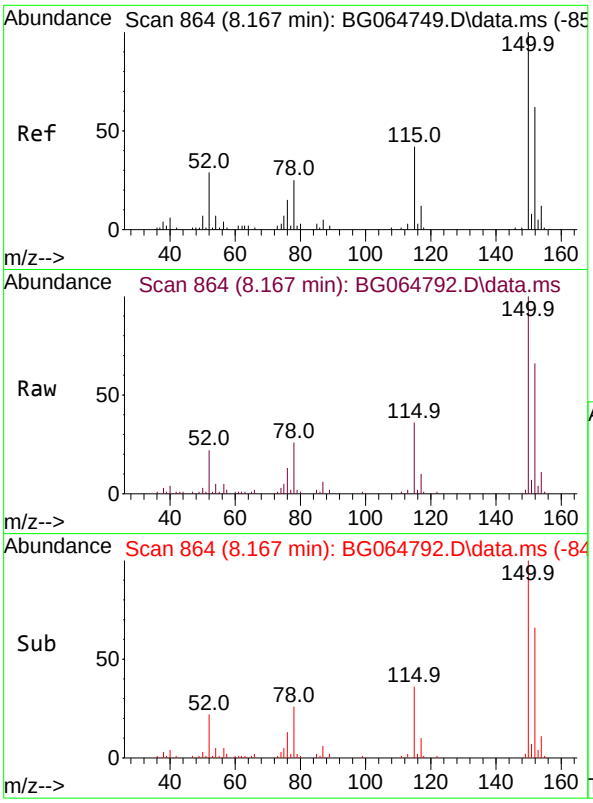
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Quant Time: Nov 18 00:23:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



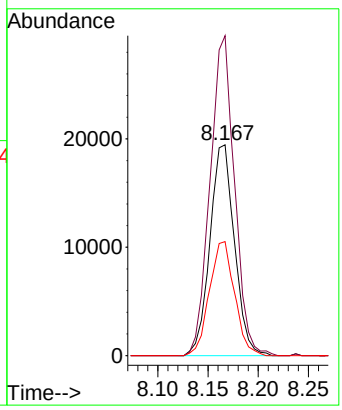


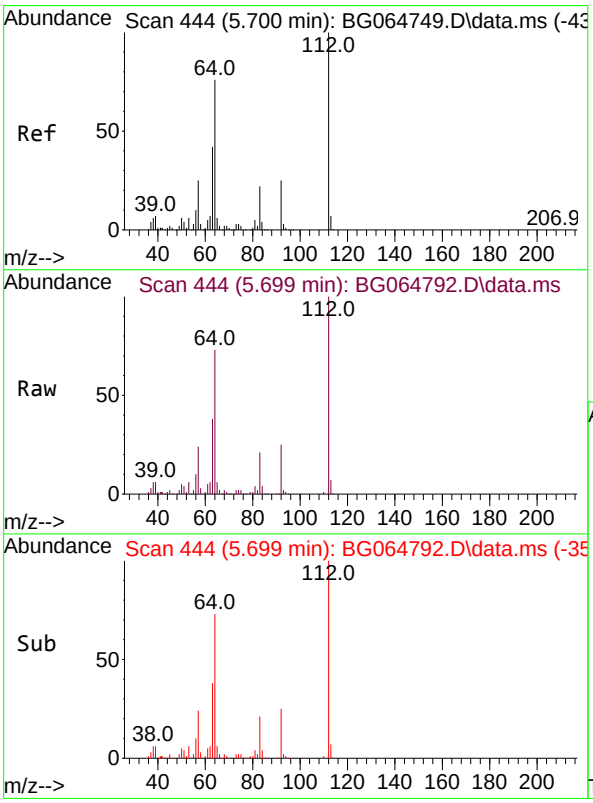
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.167 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion:152 Resp: 33180

Ion	Ratio	Lower	Upper
152	100		
150	151.7	129.2	193.8
115	54.1	53.7	80.5

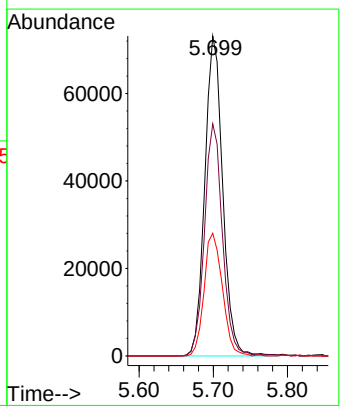


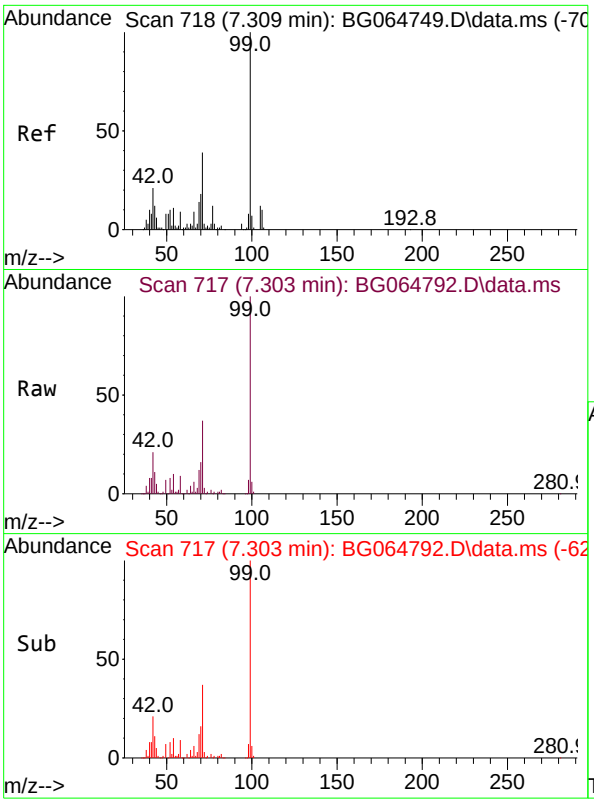


#5
2-Fluorophenol
Concen: 64.525 ng
RT: 5.699 min Scan# 444
Delta R.T. -0.000 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:112 Resp: 122605

Ion	Ratio	Lower	Upper
112	100		
64	72.5	61.0	91.4
63	38.3	33.3	49.9



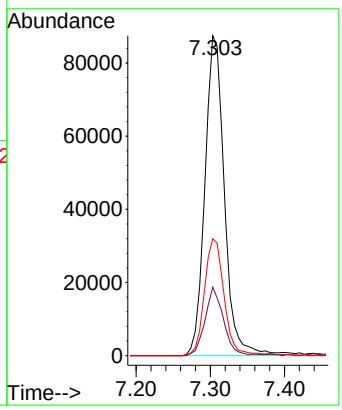


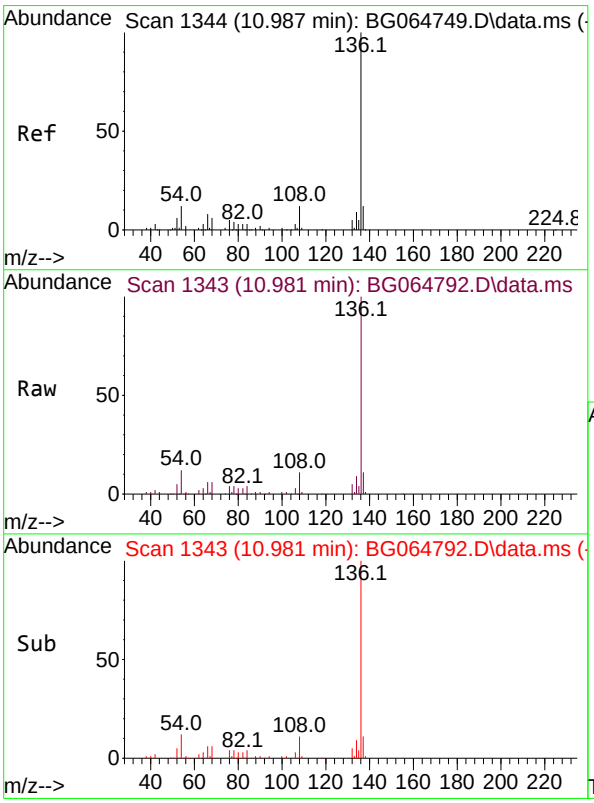
#7
Phenol-d6
Concen: 63.079 ng
RT: 7.303 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion: 99 Resp: 159416

Ion	Ratio	Lower	Upper
99	100		
42	21.4	16.8	25.2
71	36.6	31.1	46.7

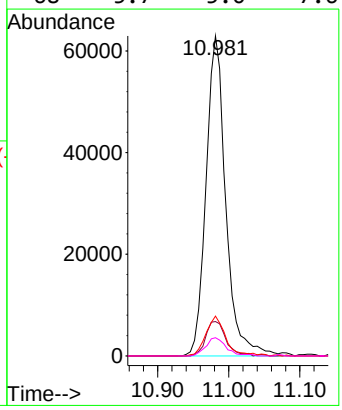


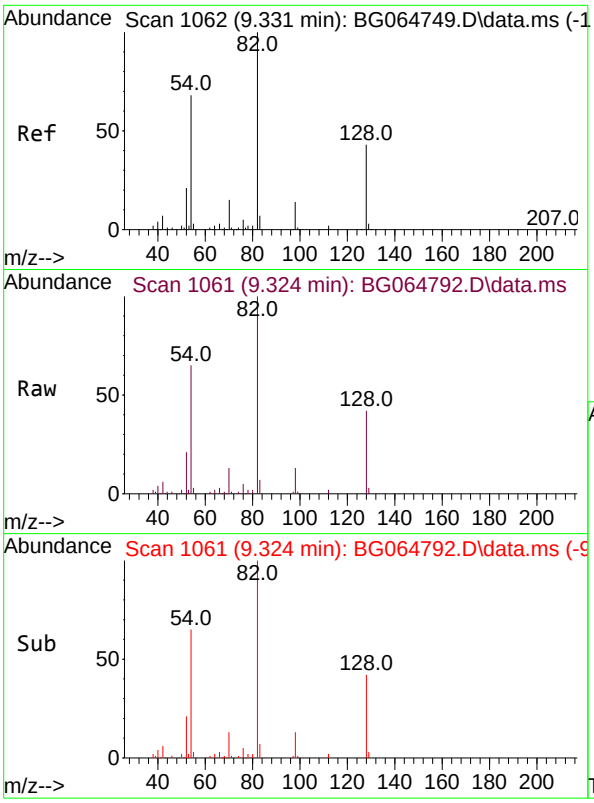


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.981 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:136 Resp: 121269

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.3	13.9
54	12.4	9.3	13.9
68	5.7	5.0	7.6



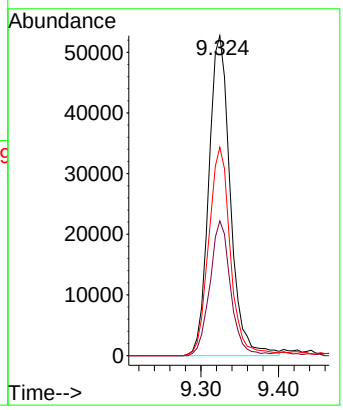


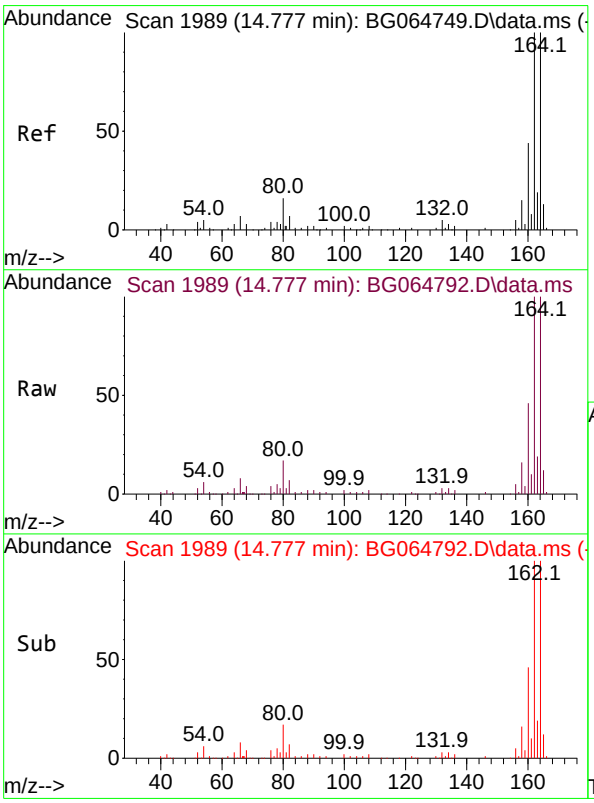
#23
Nitrobenzene-d5
Concen: 41.402 ng
RT: 9.324 min Scan# 10
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion: 82 Resp: 101547

Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.1	51.1
54	65.2	54.3	81.5

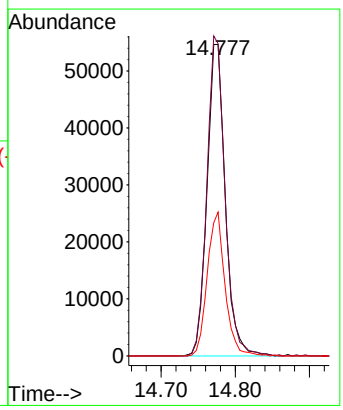


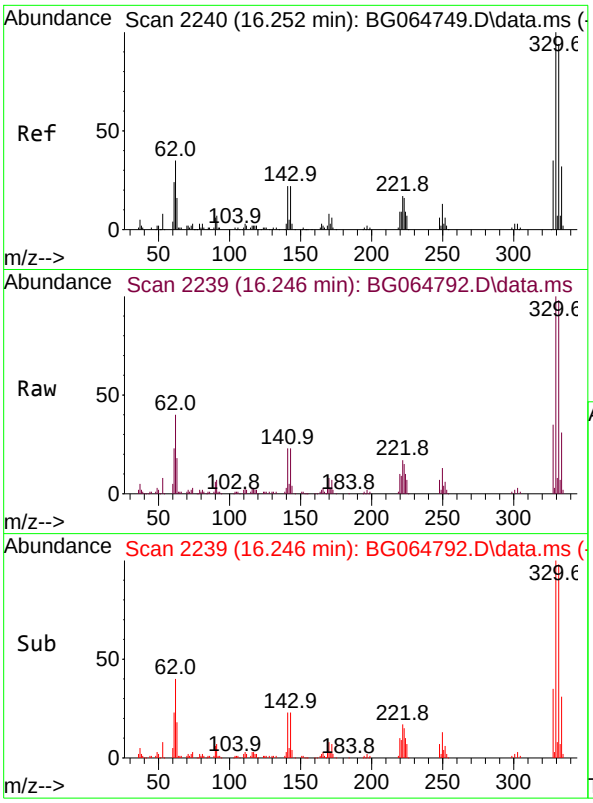


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.777 min Scan# 1989
Delta R.T. -0.000 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:164 Resp: 93445

Ion	Ratio	Lower	Upper
164	100		
162	100.3	79.8	119.6
160	46.1	34.9	52.3



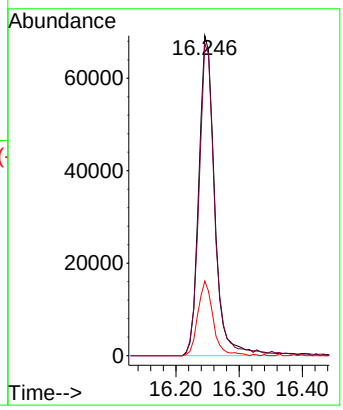


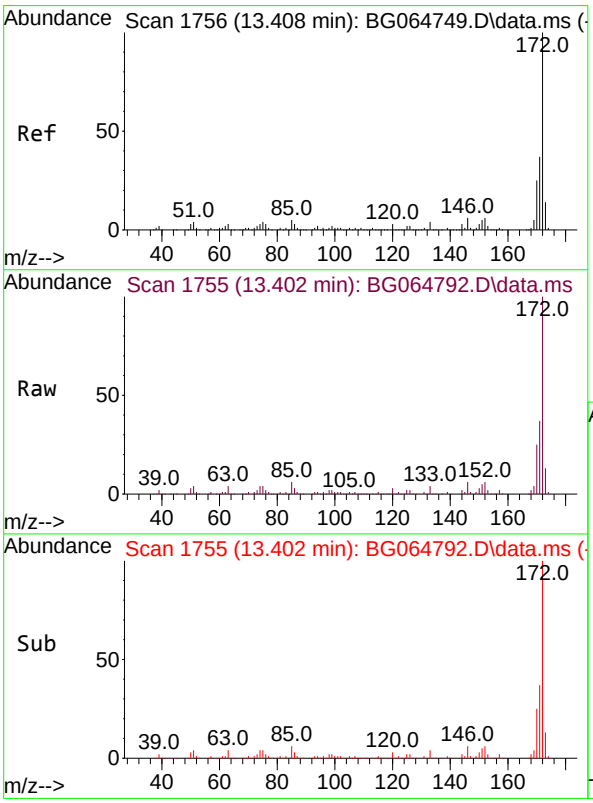
#42
2,4,6-Tribromophenol
Concen: 66.266 ng
RT: 16.246 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion:330 Resp: 120768

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	22.3	18.2	27.2

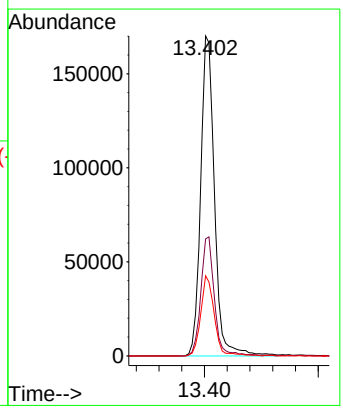


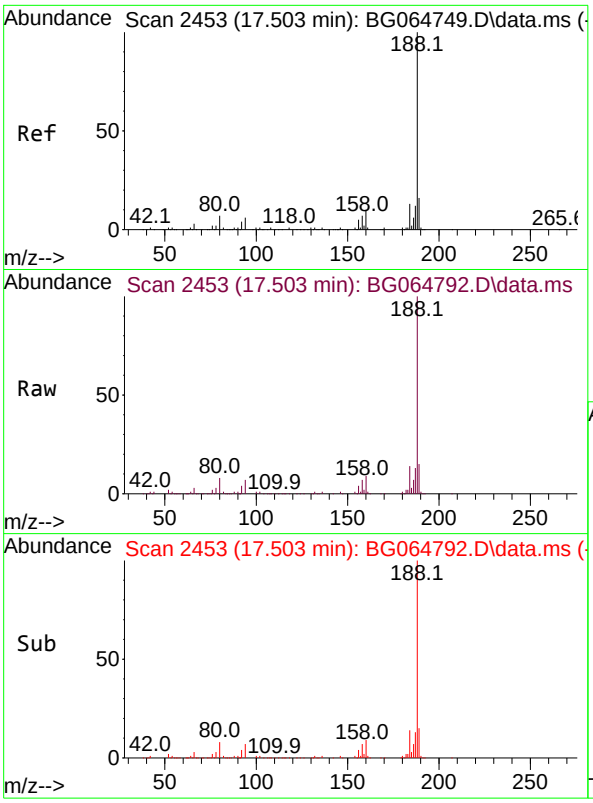


#45
2-Fluorobiphenyl
Concen: 42.809 ng
RT: 13.402 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:172 Resp: 286692

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	25.0	19.8	29.6



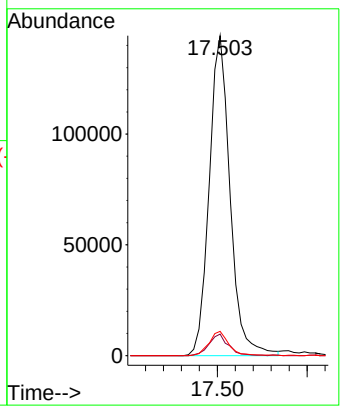


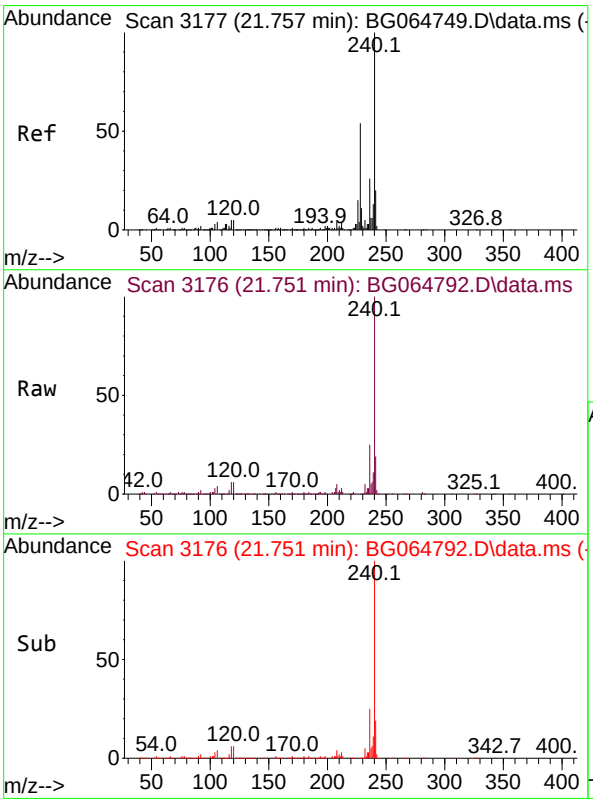
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.503 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion:188 Resp: 234373

Ion	Ratio	Lower	Upper
188	100		
94	6.7	4.7	7.1
80	7.6	5.4	8.2

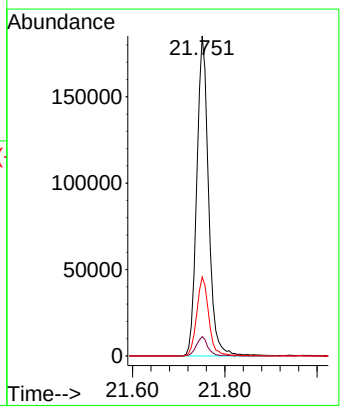


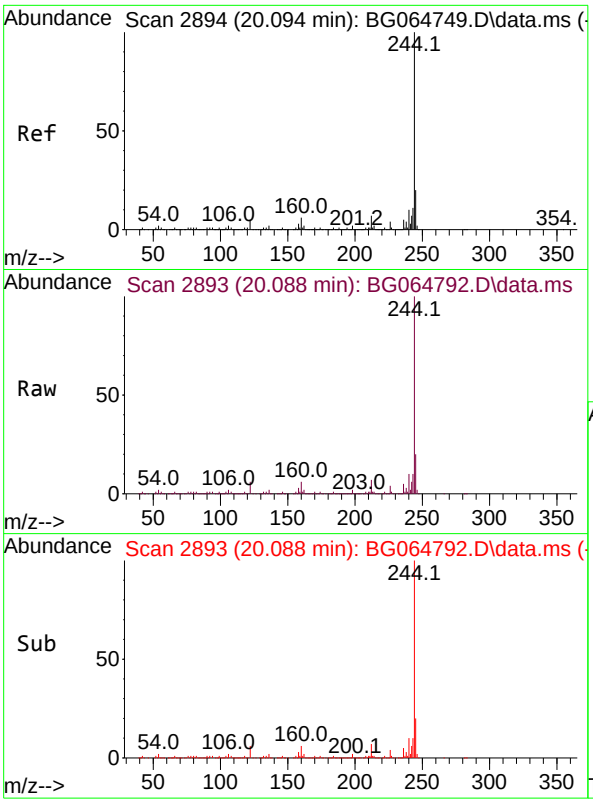


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.751 min Scan# 3176
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:240 Resp: 327722

Ion	Ratio	Lower	Upper
240	100		
120	6.0	4.2	6.4
236	24.6	20.8	31.2



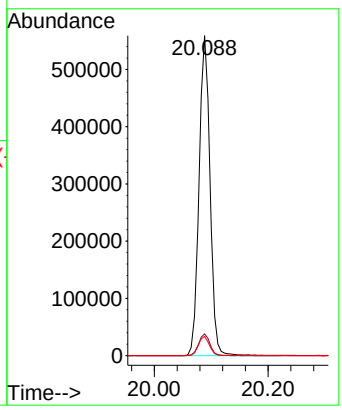


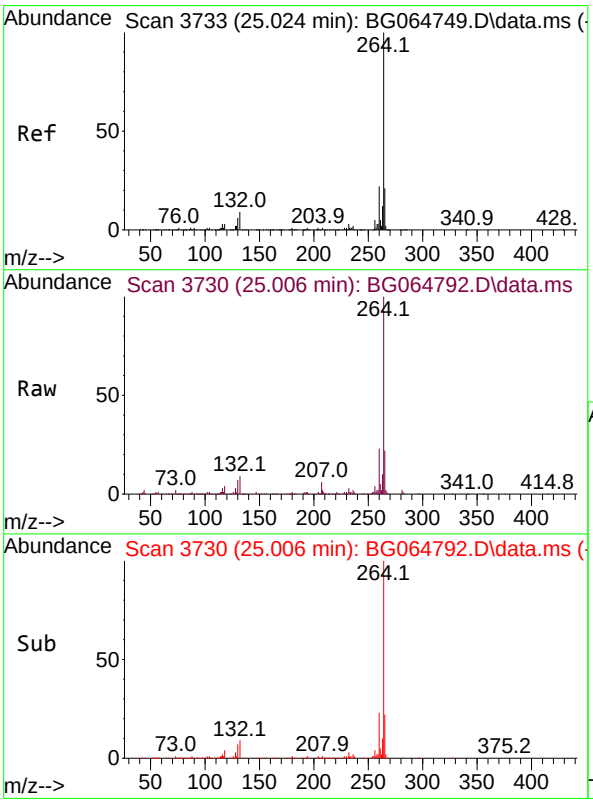
#79
Terphenyl-d14
Concen: 44.654 ng
RT: 20.088 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion:244 Resp: 743942

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	6.0	4.3	6.5

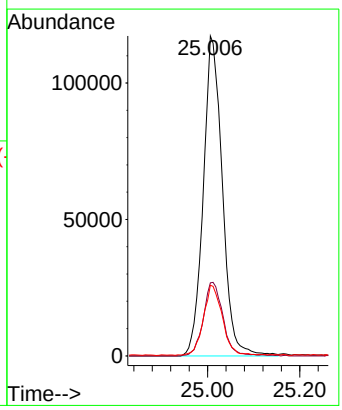




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.006 min Scan# 3730
Delta R.T. -0.018 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:264 Resp: 336150

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.2	25.8
265	22.1	16.6	25.0



Sample Results: **BG064792.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

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_G\Methods\8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064792.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.137	3	8	16	rBV2	24029	56416	3.08%	0.649%
2	3.220	16	22	37	rVB	358073	621596	33.92%	7.156%
3	5.699	437	444	458	rBV	286388	481786	26.29%	5.546%
4	7.303	709	717	733	rBV	269542	497305	27.13%	5.725%
5	8.161	856	863	870	rBV	110648	190381	10.39%	2.192%
6	9.324	1051	1061	1072	rBV	161898	313619	17.11%	3.610%
7	10.981	1333	1343	1354	rBV	135305	261990	14.30%	3.016%
8	13.402	1749	1755	1771	rBV	490367	806132	43.99%	9.280%
9	14.777	1982	1989	2003	rVB	226564	389273	21.24%	4.481%
10	16.111	2211	2216	2222	rBV2	34395	53914	2.94%	0.621%
11	16.246	2230	2239	2256	rBV	459971	776051	42.34%	8.934%
12	17.503	2445	2453	2464	rBV2	336141	541394	29.54%	6.232%
13	17.867	2507	2515	2519	rBV2	30218	49603	2.71%	0.571%
14	18.373	2597	2601	2607	rBV2	28573	49921	2.72%	0.575%
15	18.796	2669	2673	2679	rVB	37242	43910	2.40%	0.505%
16	19.219	2741	2745	2752	rBV4	18858	28855	1.57%	0.332%
17	19.900	2857	2861	2866	rBV3	13933	23816	1.30%	0.274%
18	20.088	2887	2893	2904	rBV	1368690	1832737	100.00%	21.098%
19	21.381	3109	3113	3119	rBV3	49643	75723	4.13%	0.872%
20	21.751	3169	3176	3190	rBV2	446651	807552	44.06%	9.296%
21	25.006	3721	3730	3743	rBV	271993	784924	42.83%	9.036%

Sum of corrected areas: 8686898

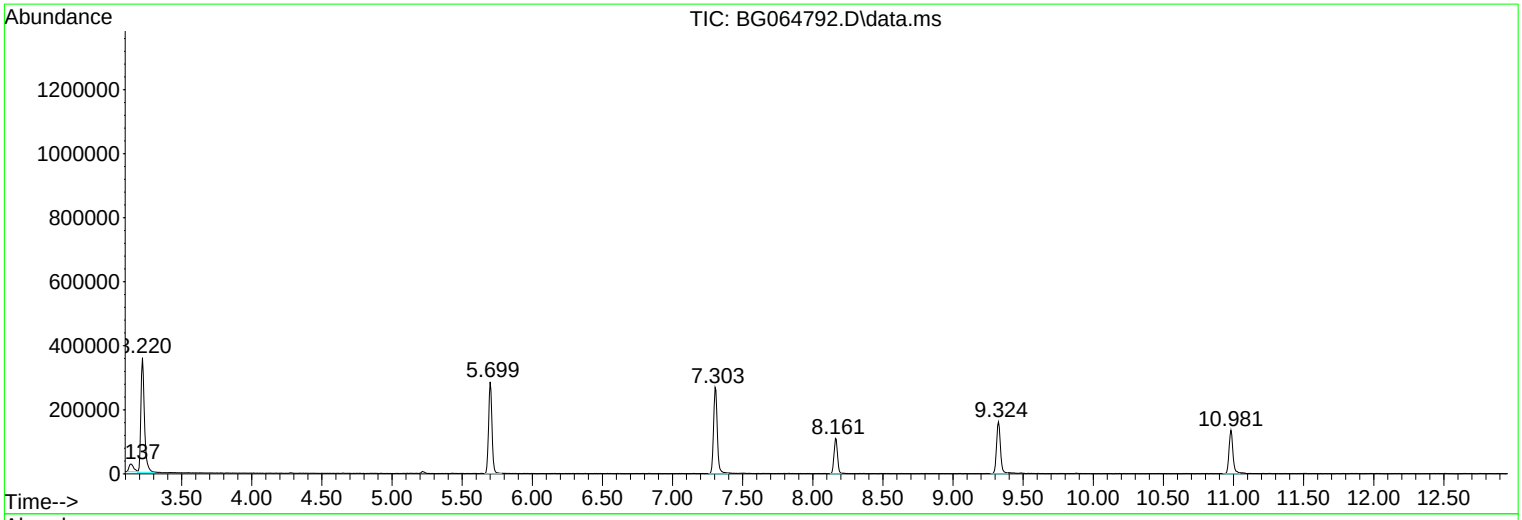
Sample Results: **BG064792.D**

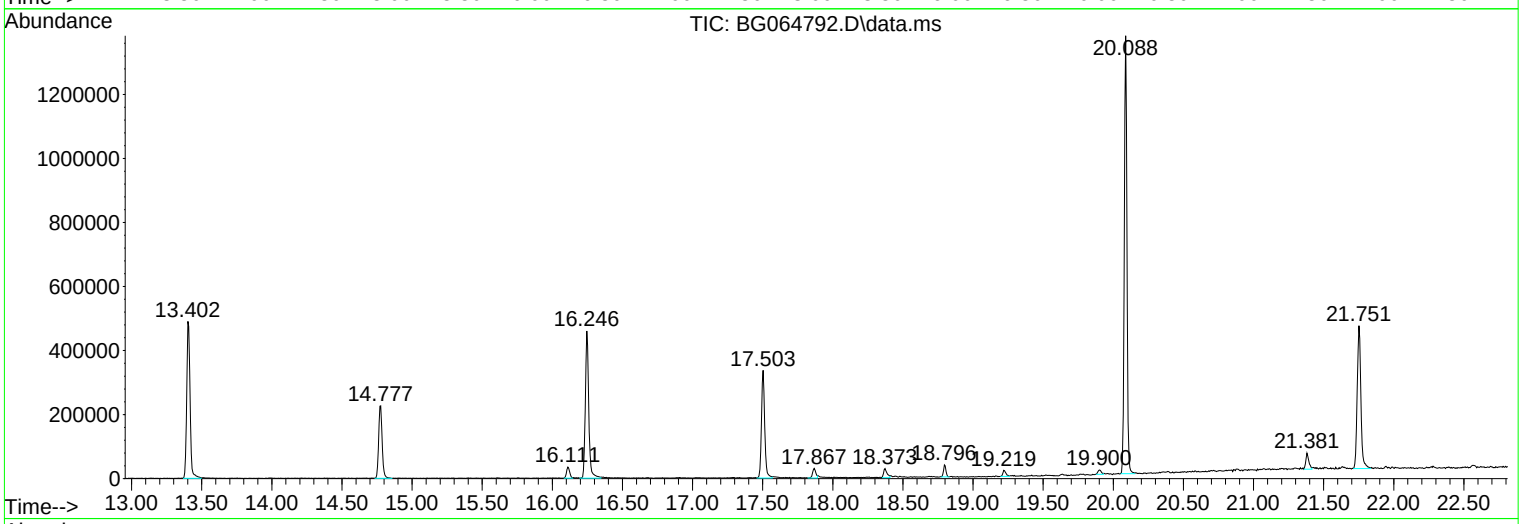
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

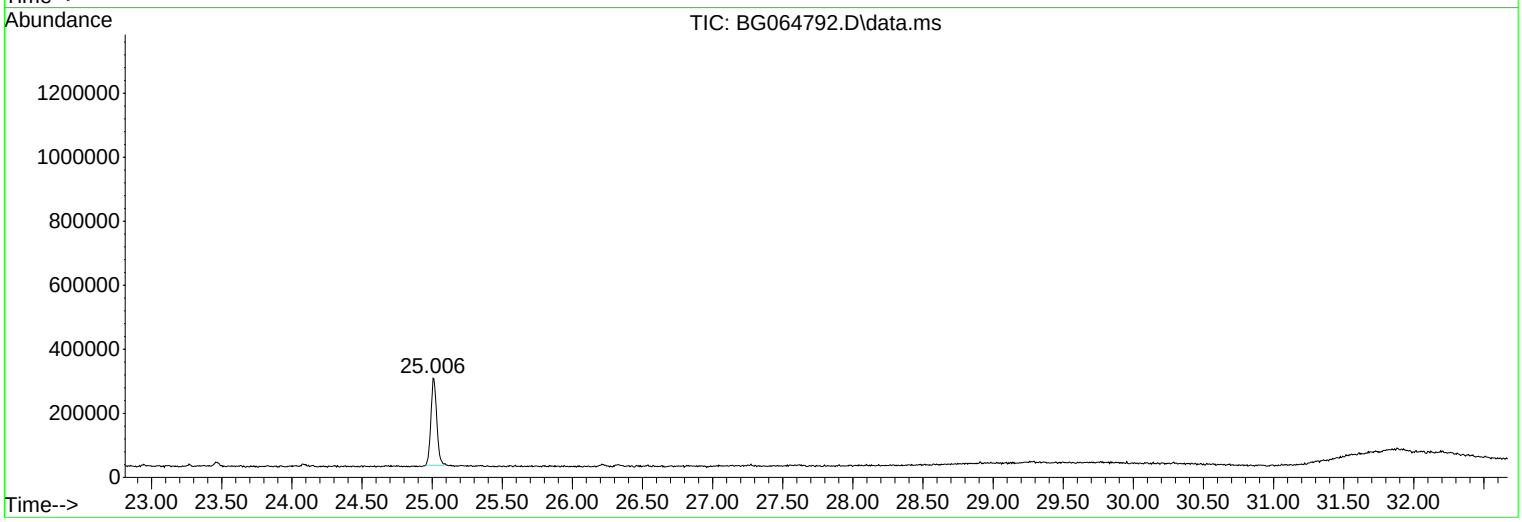
Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.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_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

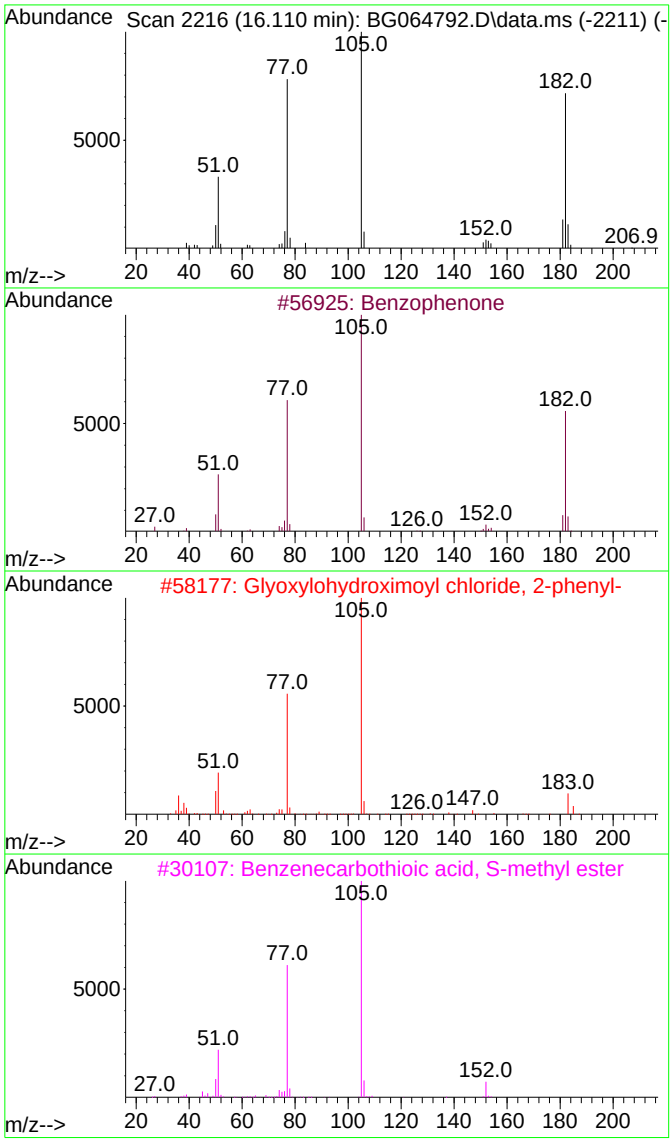
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

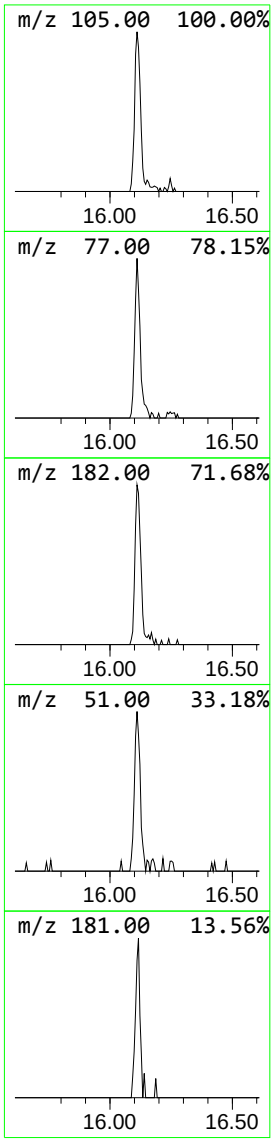
****

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.110	2.77 ng	53914	Acenaphthene-d10	14.777

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Glyoxylohydroximoyl chloride, 2-...	183	C8H6ClNO2	004937-87-5	52
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
4	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47
5	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.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
Benzophenone	16.110	2.8	ng	53914	3	14.777	389273	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Time: Nov 18 00:24:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

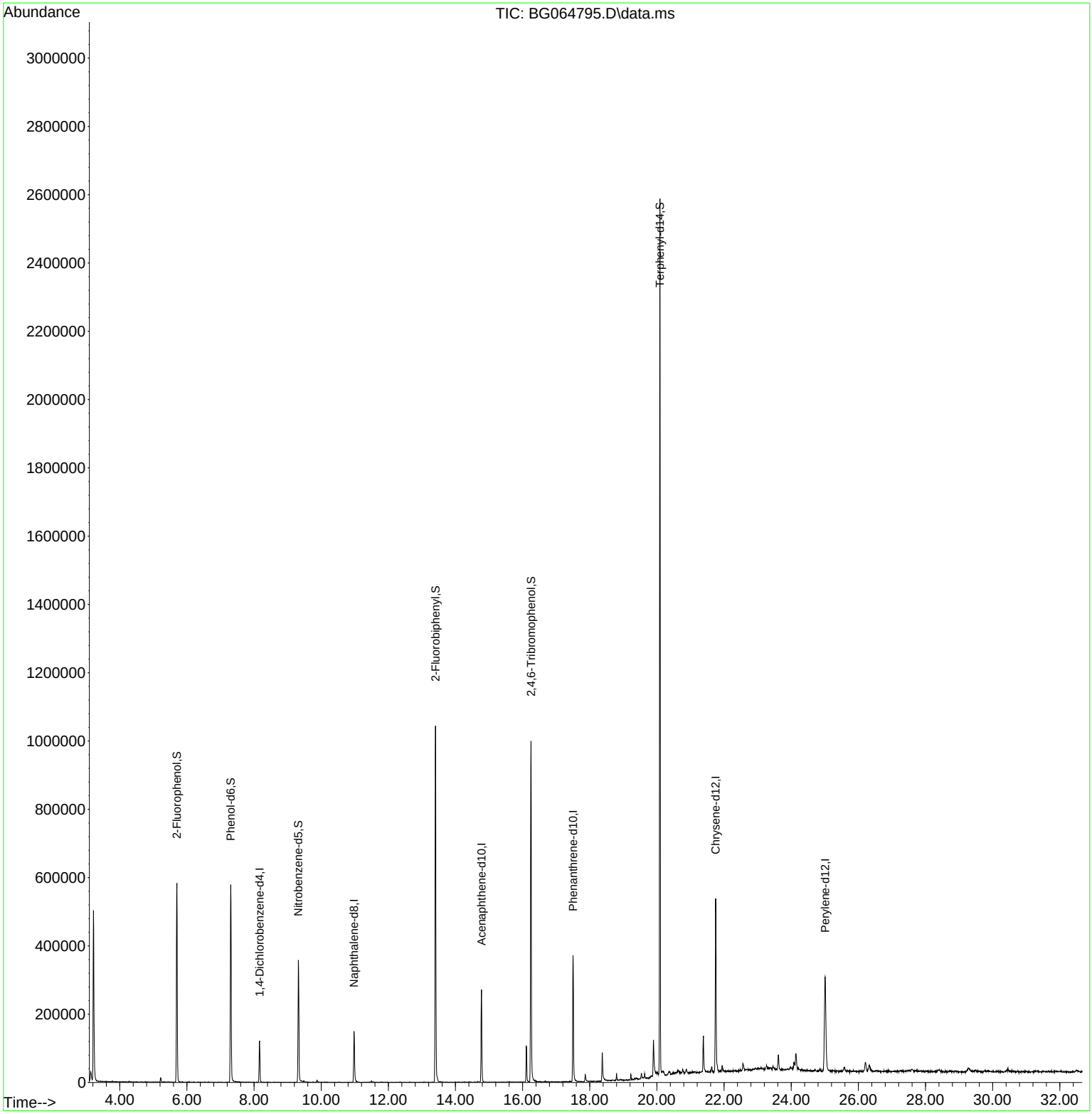
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	36122	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	135327	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	107446	20.000	ng	0.00
64) Phenanthrene-d10	17.500	188	269264	20.000	ng	0.00
76) Chrysene-d12	21.748	240	355916	20.000	ng	0.00
86) Perylene-d12	25.009	264	358460	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	250174	120.940	ng	0.00
7) Phenol-d6	7.306	99	331319	120.422	ng	0.00
23) Nitrobenzene-d5	9.322	82	212928	77.795	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	258052	123.144	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	599039	77.794	ng	0.00
79) Terphenyl-d14	20.092	244	1431969	79.143	ng	0.00
Target Compounds						Qvalue

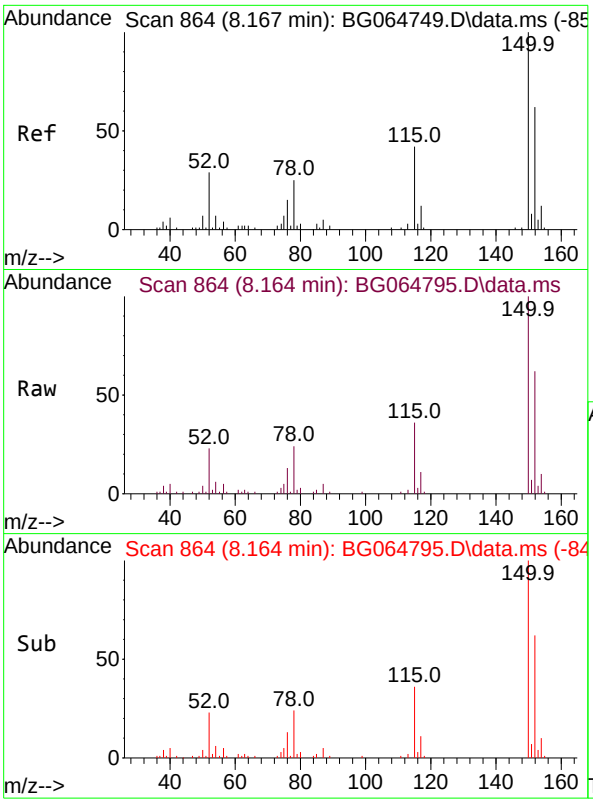
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Time: Nov 18 00:24:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



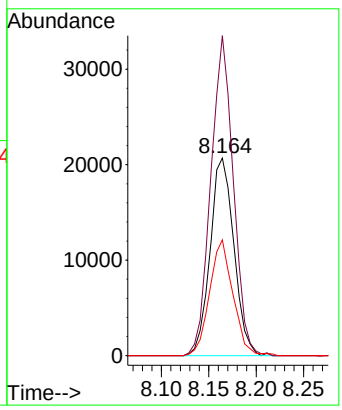


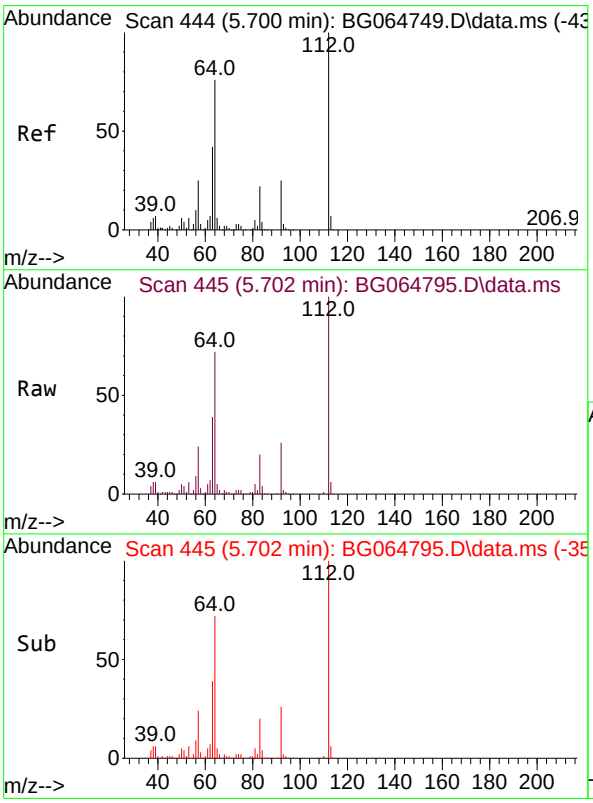
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion:152 Resp: 36122

Ion	Ratio	Lower	Upper
152	100		
150	162.0	129.2	193.8
115	58.6	53.7	80.5

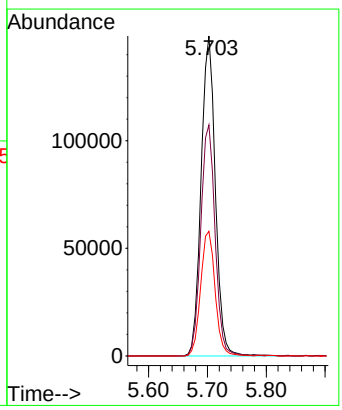


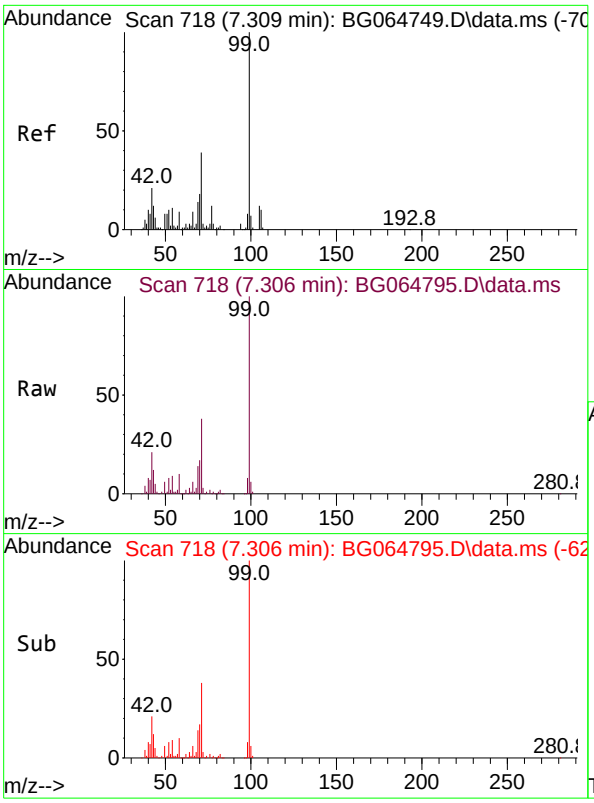


#5
2-Fluorophenol
Concen: 120.940 ng
RT: 5.702 min Scan# 445
Delta R.T. 0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:112 Resp: 250174

Ion	Ratio	Lower	Upper
112	100		
64	72.2	61.0	91.4
63	38.9	33.3	49.9



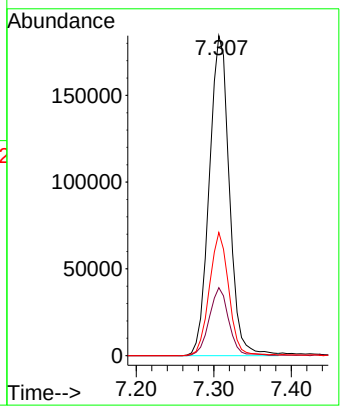


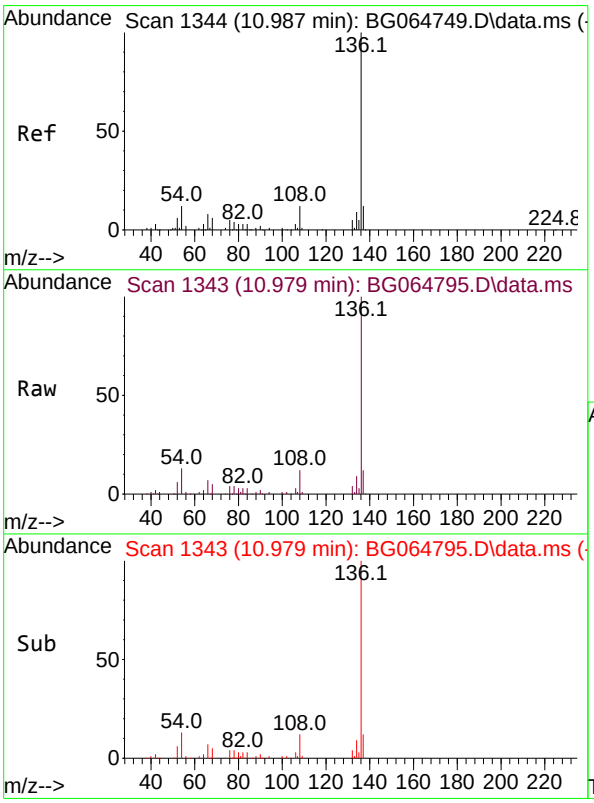
#7
Phenol-d6
Concen: 120.422 ng
RT: 7.306 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion: 99 Resp: 331319

Ion	Ratio	Lower	Upper
99	100		
42	21.2	16.8	25.2
71	38.5	31.1	46.7

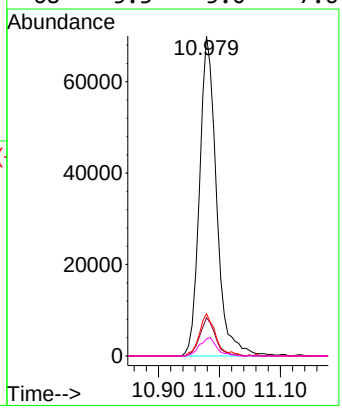


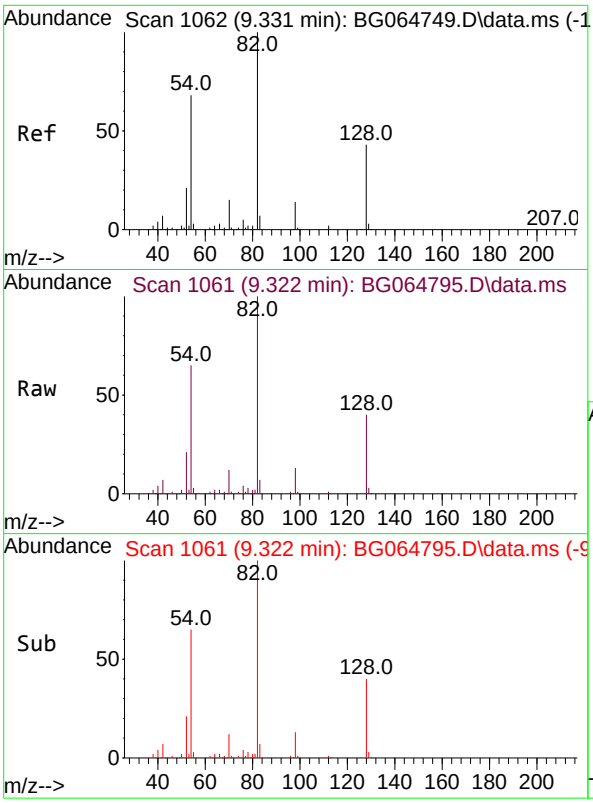


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:136 Resp: 135327

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.3	13.9
54	13.2	9.3	13.9
68	5.3	5.0	7.6



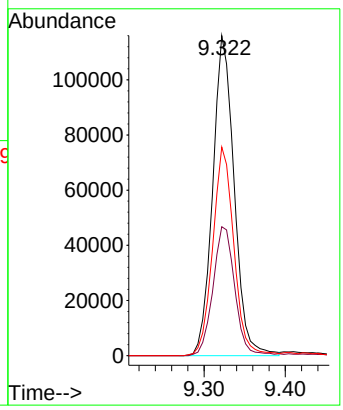


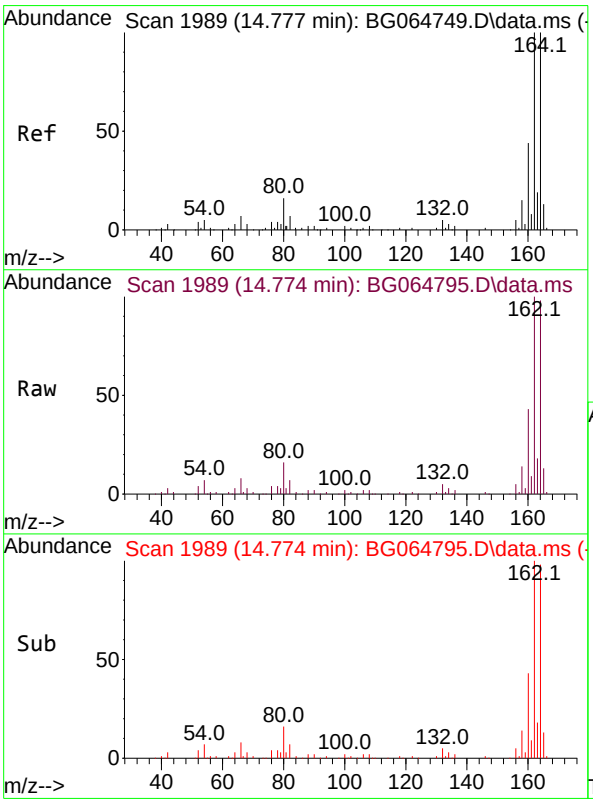
#23
Nitrobenzene-d5
Concen: 77.795 ng
RT: 9.322 min Scan# 10
Delta R.T. -0.009 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion: 82 Resp: 212928

Ion	Ratio	Lower	Upper
82	100		
128	40.3	34.1	51.1
54	65.2	54.3	81.5

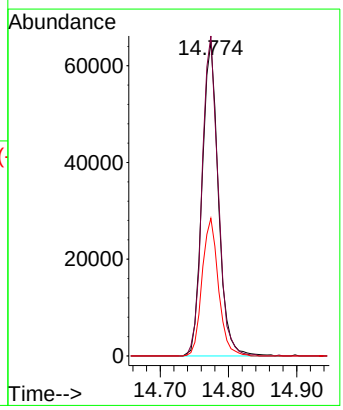


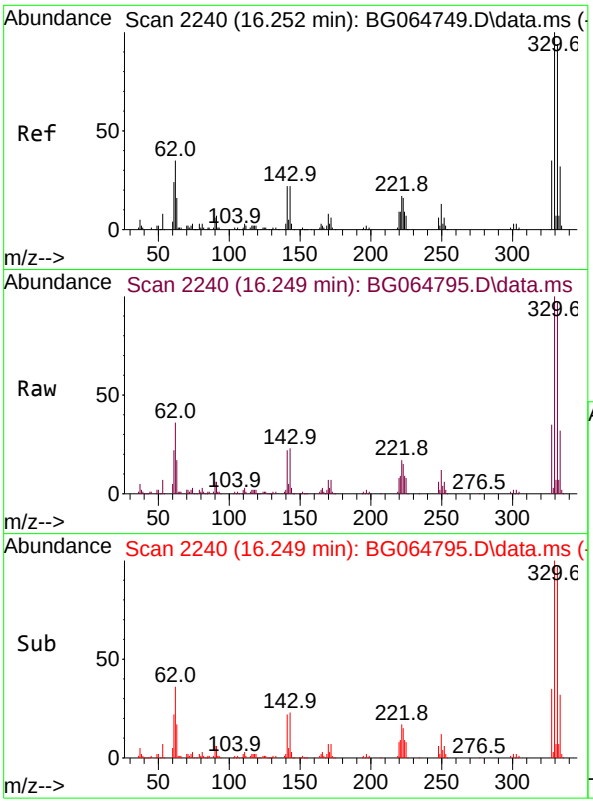


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:164 Resp: 107446

Ion	Ratio	Lower	Upper
164	100		
162	101.9	79.8	119.6
160	43.8	34.9	52.3



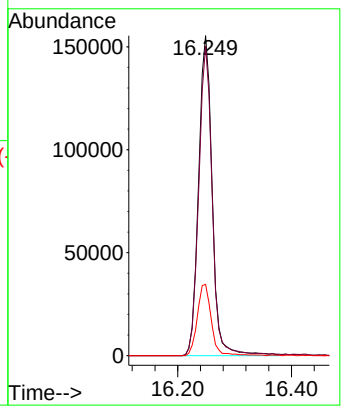


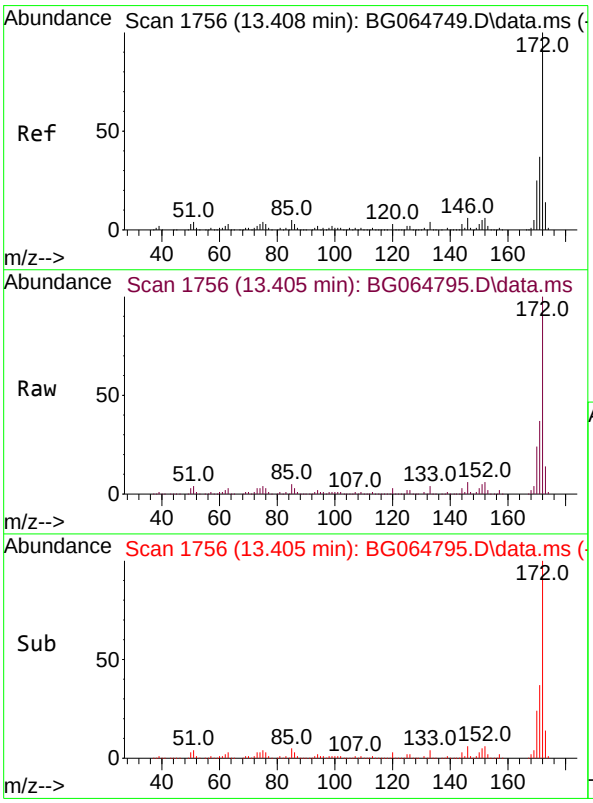
#42
2,4,6-Tribromophenol
Concen: 123.144 ng
RT: 16.249 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion:330 Resp: 258052

Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	22.8	18.2	27.2

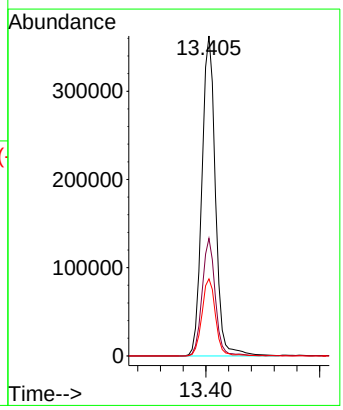


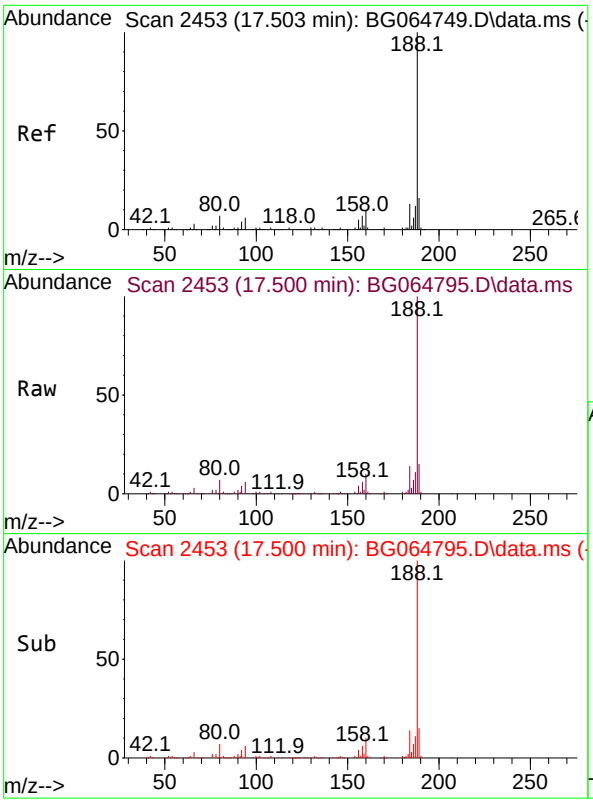


#45
2-Fluorobiphenyl
Concen: 77.794 ng
RT: 13.405 min Scan# 1756
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:172 Resp: 599039

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.9	44.9
170	24.1	19.8	29.6



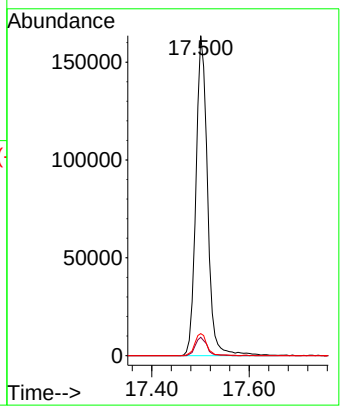


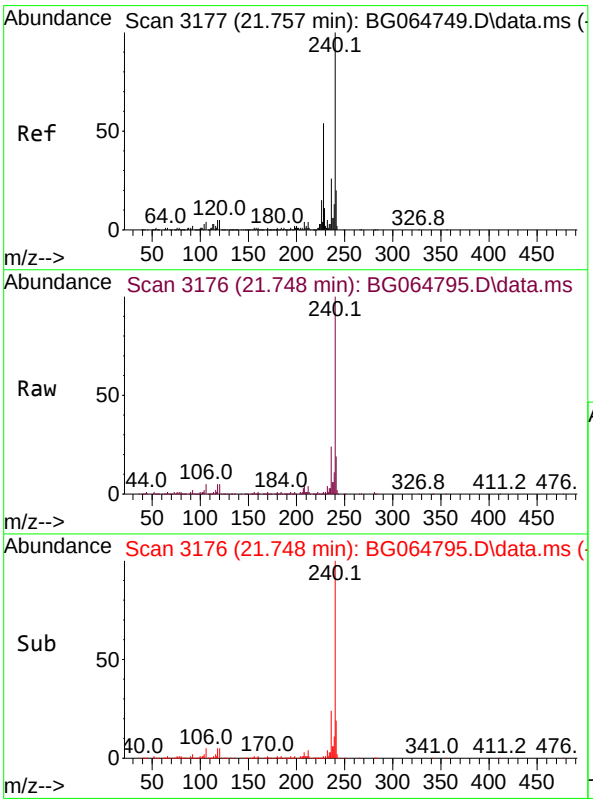
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.500 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion:188 Resp: 269264

Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.7	7.1
80	6.9	5.4	8.2

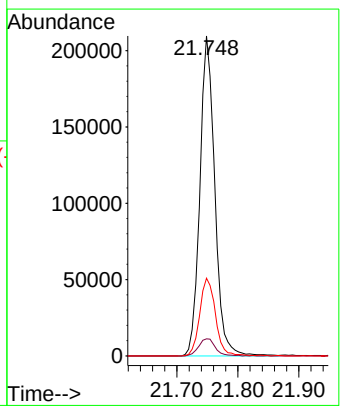


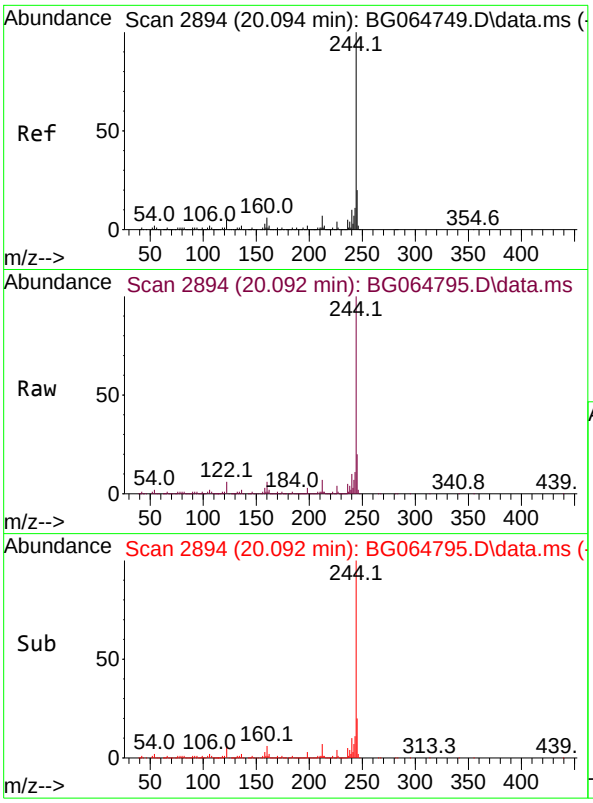


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.748 min Scan# 3176
Delta R.T. -0.009 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:240 Resp: 355916

Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.2	6.4
236	24.3	20.8	31.2



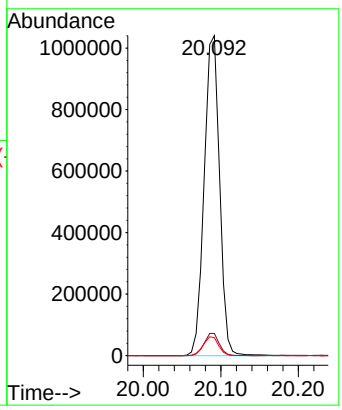


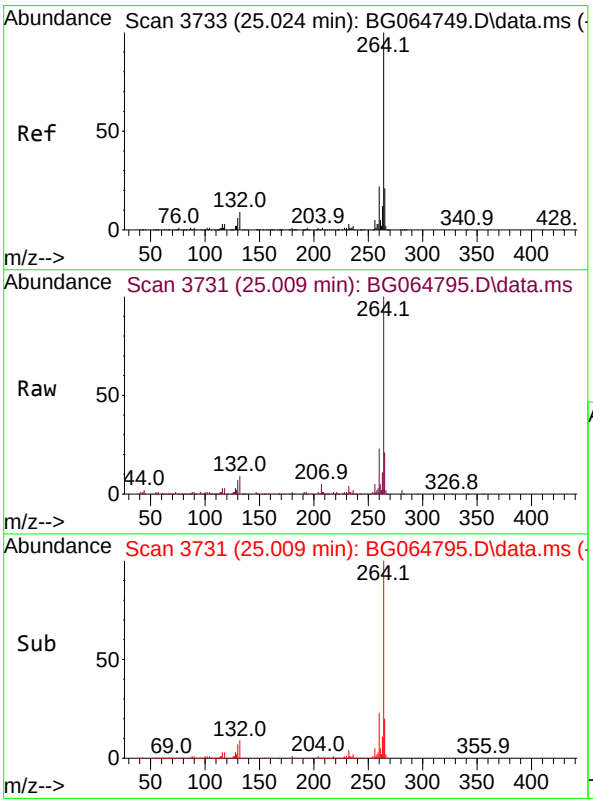
#79
Terphenyl-d14
Concen: 79.143 ng
RT: 20.092 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion:244 Resp: 1431969

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	5.6	4.3	6.5

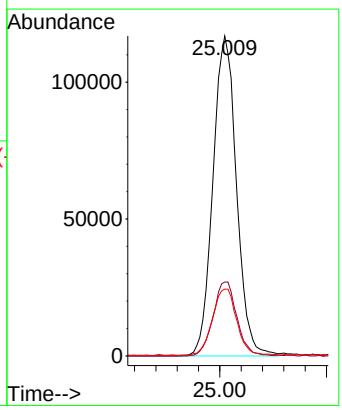




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 3731
Delta R.T. -0.015 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:264 Resp: 358460

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.2	25.8
265	20.9	16.6	25.0



Sample Results: **BG064795.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

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_G\Methods\8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064795.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.141	3	9	16	rBV4	24217	54201	1.54%	0.366%
2	3.217	16	22	37	rVB	498686	845818	23.97%	5.716%
3	5.703	437	445	456	rBV	582903	979510	27.75%	6.619%
4	7.307	710	718	735	rBV	578319	1045738	29.63%	7.067%
5	8.164	857	864	871	rBV	121370	207665	5.88%	1.403%
6	9.322	1052	1061	1073	rBV	357337	656332	18.60%	4.435%
7	10.979	1336	1343	1354	rBV	149379	288408	8.17%	1.949%
8	13.405	1749	1756	1778	rBV	1043189	1691981	47.94%	11.434%
9	14.774	1981	1989	2003	rVB	270649	444816	12.60%	3.006%
10	16.108	2210	2216	2223	rBV	104975	164770	4.67%	1.113%
11	16.249	2233	2240	2259	rBV	998090	1648819	46.72%	11.142%
12	17.500	2446	2453	2464	rBV2	369731	611361	17.32%	4.131%
13	17.865	2510	2515	2525	rBV2	20297	38825	1.10%	0.262%
14	18.370	2595	2601	2613	rBV2	84796	158220	4.48%	1.069%
15	19.898	2856	2861	2871	rBV	106079	216873	6.15%	1.466%
16	20.092	2887	2894	2901	rBV	2564984	3529229	100.00%	23.849%
17	21.384	3109	3114	3124	rVB2	104582	173071	4.90%	1.170%
18	21.748	3169	3176	3188	rBV	506689	907500	25.71%	6.132%
19	23.617	3488	3494	3499	rBV5	42987	79739	2.26%	0.539%
20	24.140	3578	3583	3591	rVB4	45501	111105	3.15%	0.751%
21	25.009	3721	3731	3749	rVB	274127	868887	24.62%	5.871%
22	26.214	3929	3936	3945	rVB4	27228	75556	2.14%	0.511%

Sum of corrected areas: 14798424

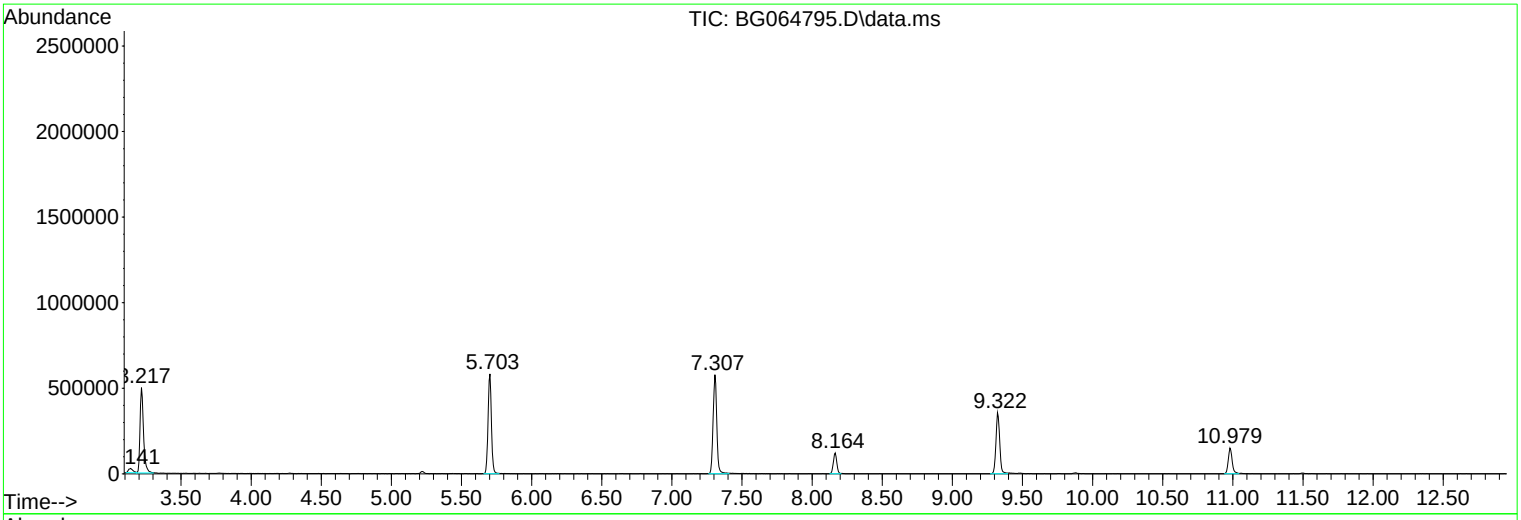
Sample Results: **BG064795.D**

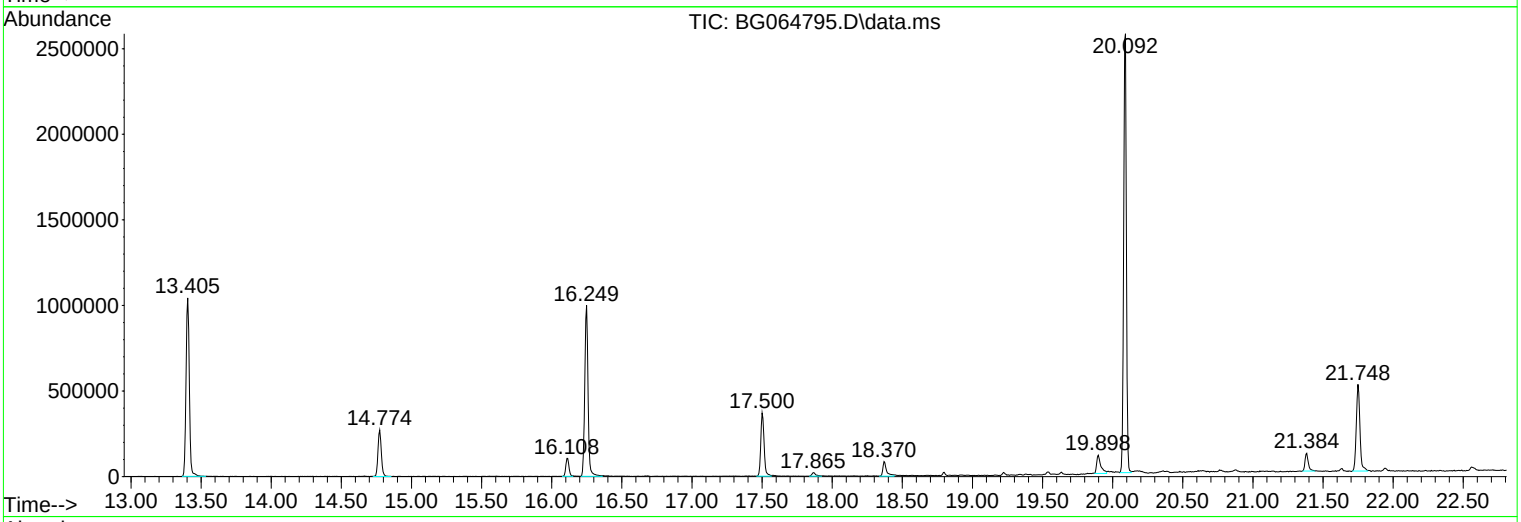
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

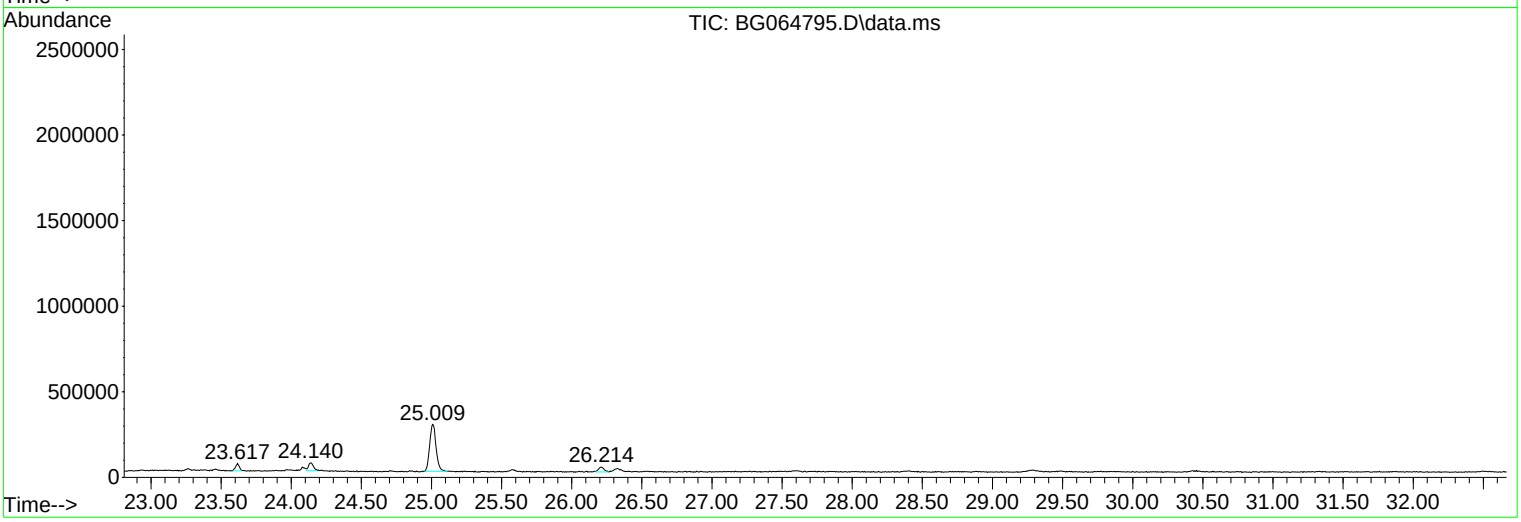
Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.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_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

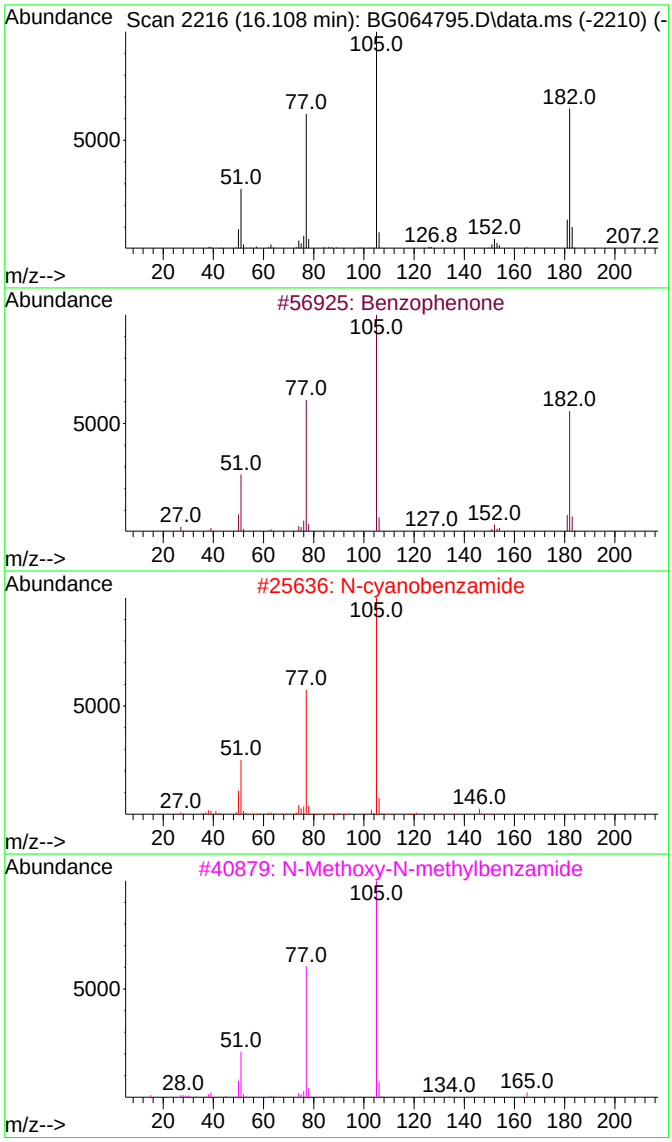
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

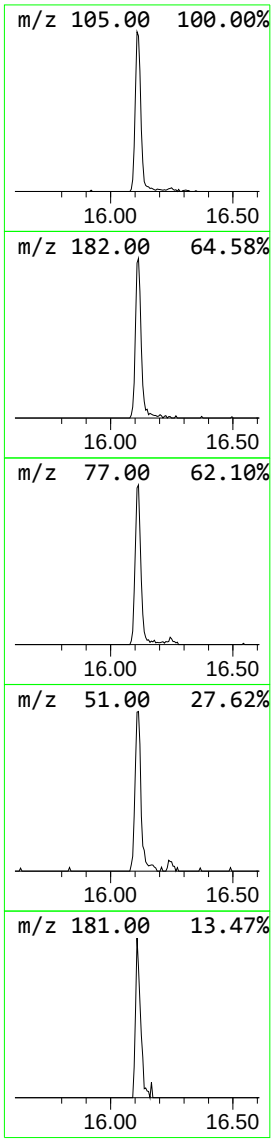
****

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.108	7.41 ng	164770	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	N-cyanobenzamide	146	C8H6N2O	015150-25-1	47
3	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
4	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
5	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

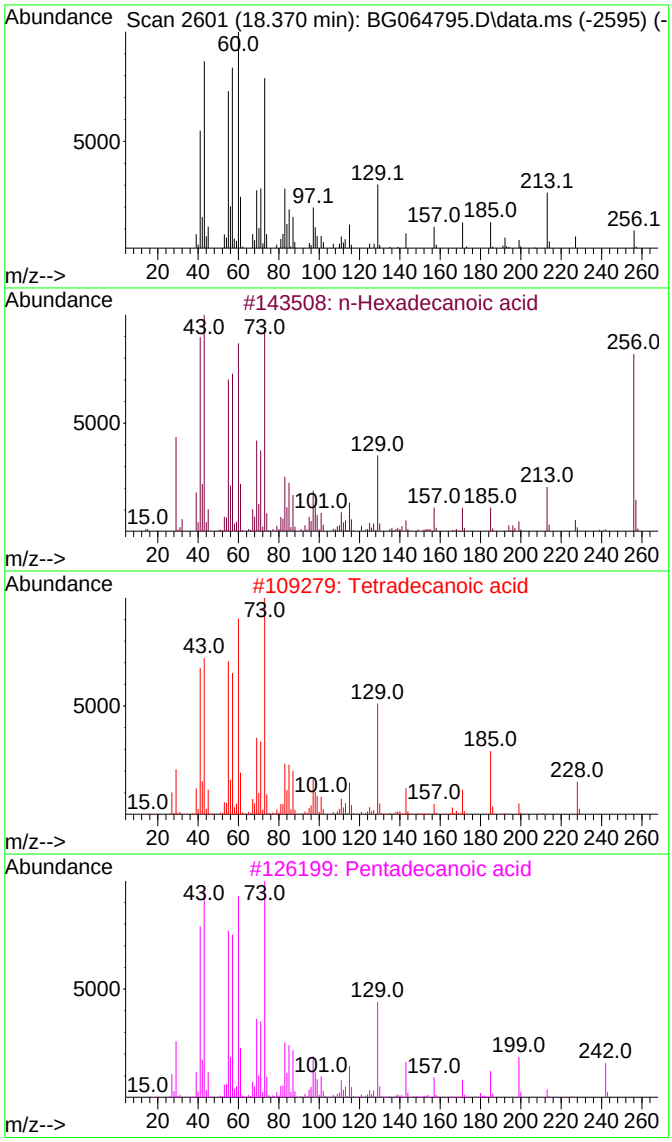
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

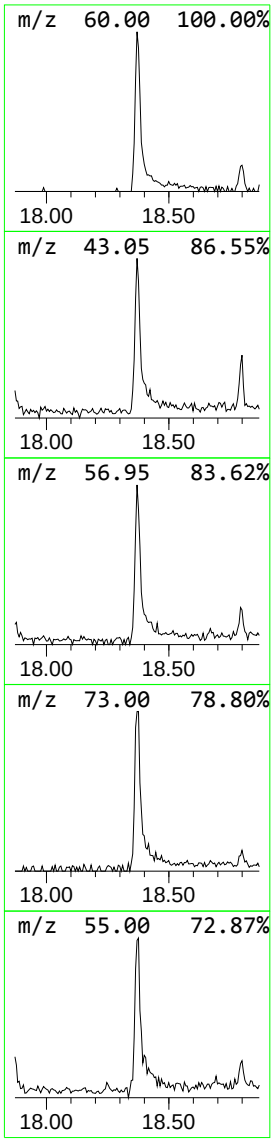
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.370	5.18 ng	158220	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
4	Nonanoic acid	158	C9H18O2	000112-05-0	53
5	Tridecanoic acid	214	C13H26O2	000638-53-9	50





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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On    : 17 Nov 2025  22:09
Operator  : RC/JU
Sample    : Q3649-08
Misc      :
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

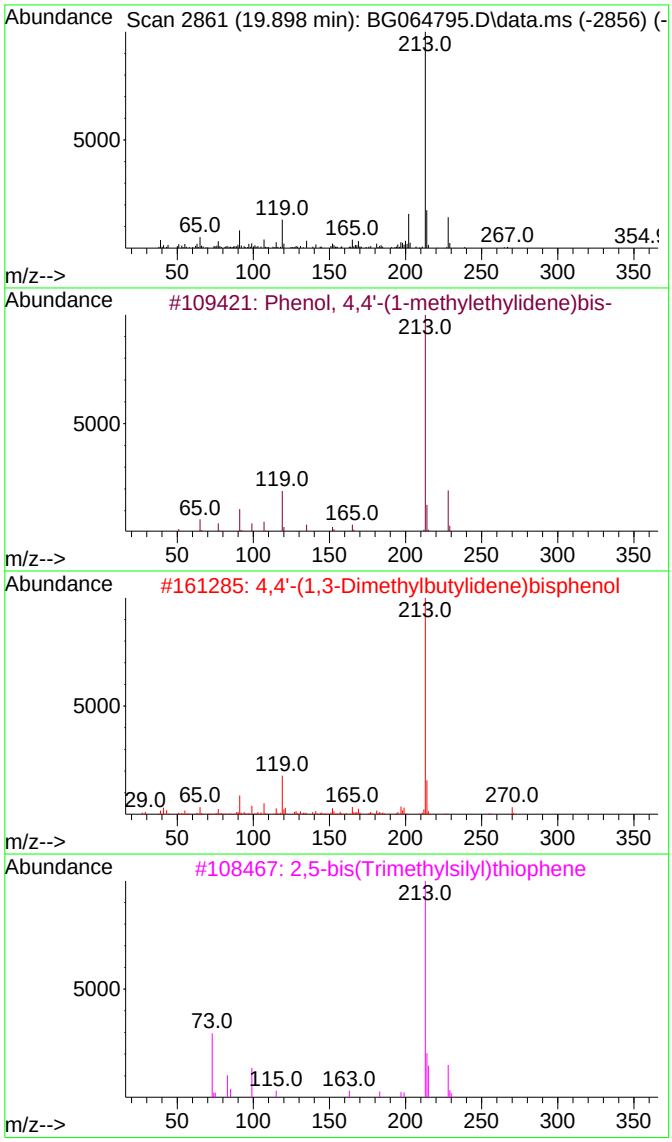
Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

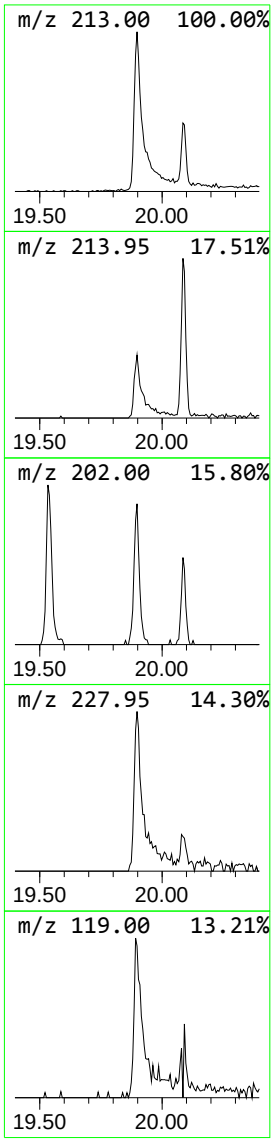
****

Peak Number 5 Phenol, 4,4'-(1-methylethyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.898	4.78 ng	216873	Chrysene-d12	21.748

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	90
2	4,4'-(1,3-Dimethylbutylidene)bis...	270	C18H22O2	006807-17-6	59
3	2,5-bis(Trimethylsilyl)thiophene	228	C10H20SSi2	017906-71-7	53
4	2,2-Bis-(4-hyxroxyphenyl)-butane	242	C16H18O2	000077-40-7	53
5	1-Methyl-1-n-octyloxy-1-silacycl...	228	C13H28OSi	1010216-91-0	42





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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On    : 17 Nov 2025  22:09
Operator  : RC/JU
Sample    : Q3649-08
Misc      :
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

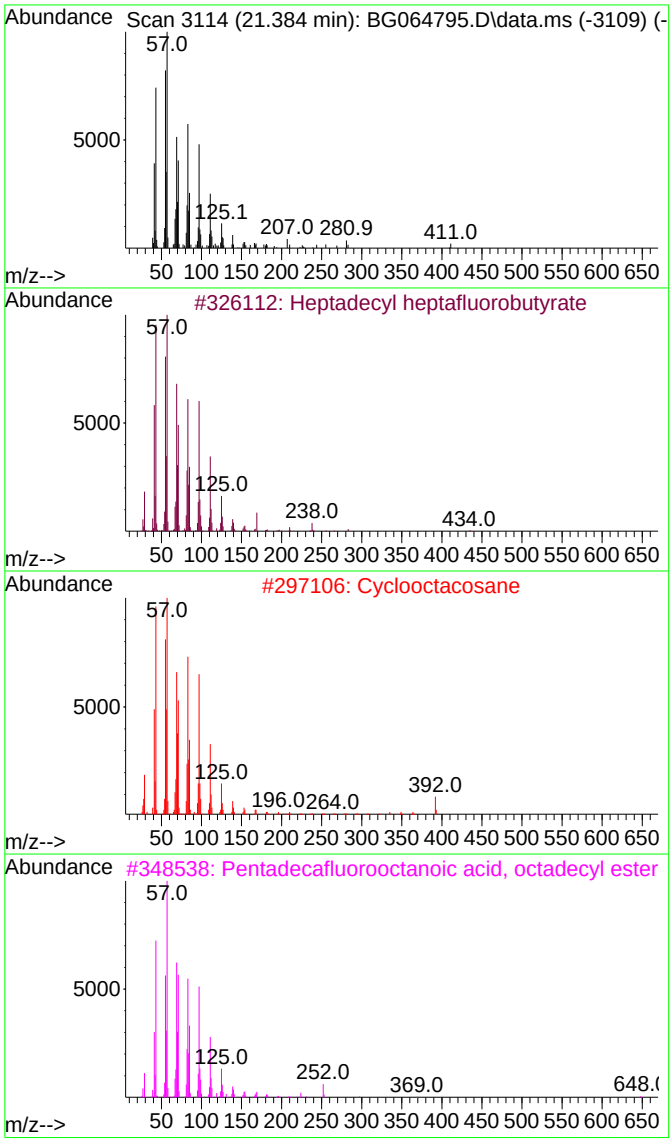
Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

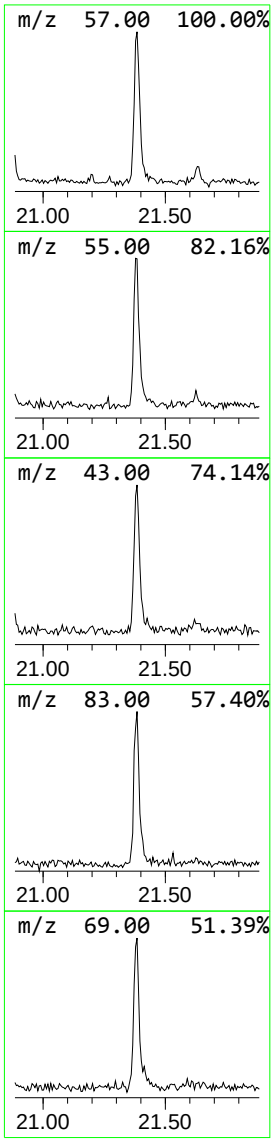
****

Peak Number 6 Heptadecyl heptafluorobutyrate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.384	3.81 ng	173071	Chrysene-d12	21.748

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
2	Cyclooctacosane	392	C28H56	000297-24-5	91
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	91
4	Dodecane, 6-cyclohexyl-	252	C18H36	013151-86-5	91
5	Docosyl heptafluorobutyrate	522	C26H45F7O2	1000351-83-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

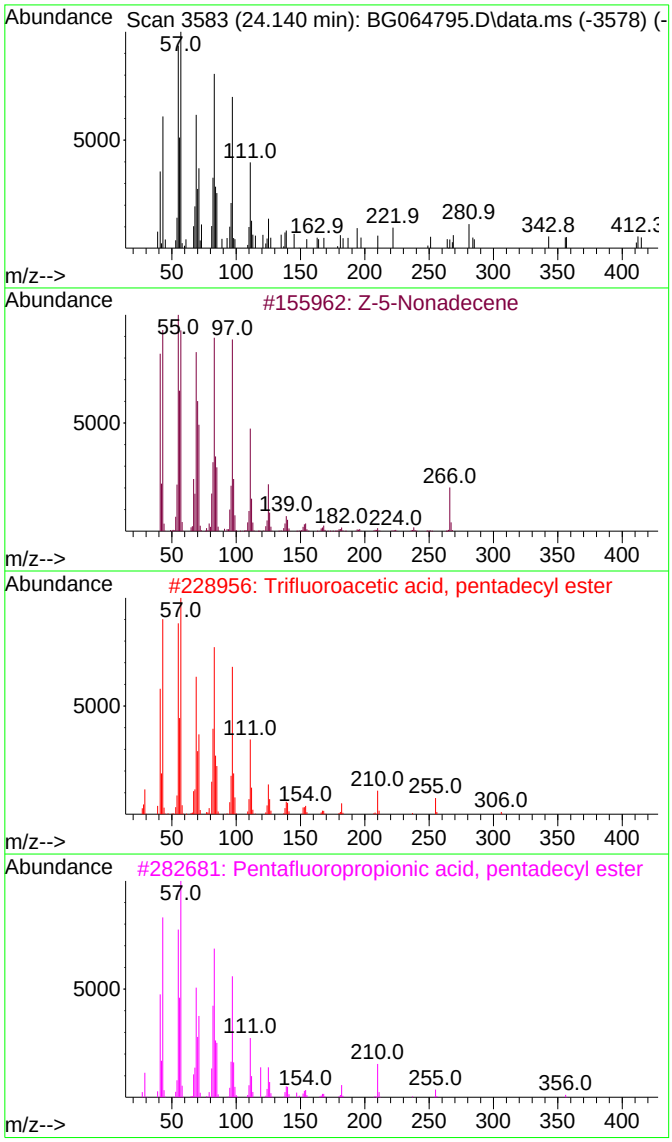
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

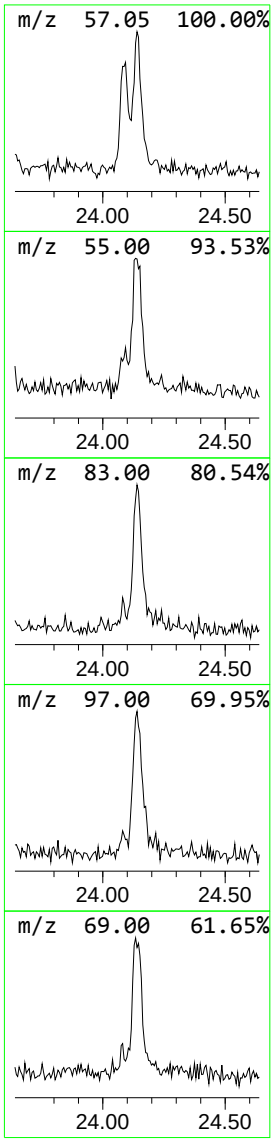
****

Peak Number 7 Z-5-Nonadecene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.140	2.56 ng	111105	Perylene-d12	25.009

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z-5-Nonadecene	266	C19H38	1000131-11-8	90
2	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	81
3	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	81
4	9-Nonadecene	266	C19H38	031035-07-1	81
5	Chloroacetic acid, pentadecyl ester	304	C17H33ClO2	070301-47-2	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.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
Benzophenone	16.108	7.4	ng	164770	3	14.774	444816	20.0
n-Hexadecanoic ...	18.370	5.2	ng	158220	4	17.500	611361	20.0
Phenol, 4,4'-(1...	19.898	4.8	ng	216873	5	21.748	907500	20.0
Heptadecyl hept...	21.384	3.8	ng	173071	5	21.748	907500	20.0
Z-5-Nonadecene	24.140	2.6	ng	111105	6	25.009	868887	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Time: Nov 17 14:44:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

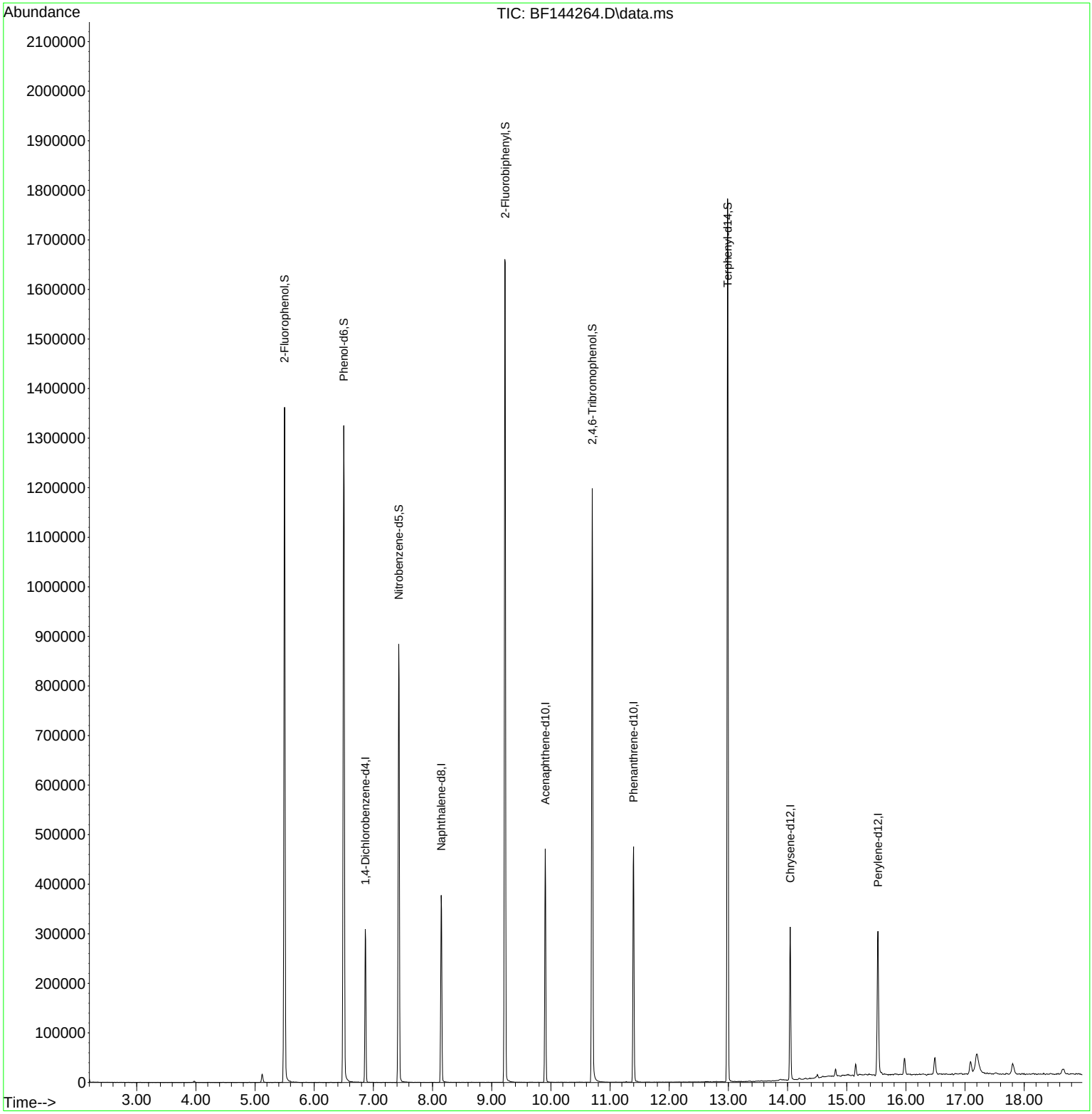
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	66285	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	255338	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	147126	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	272429	20.000	ng	0.00
76) Chrysene-d12	14.045	240	161260	20.000	ng	0.00
86) Perylene-d12	15.527	264	184176	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	529027	124.894	ng	0.00
7) Phenol-d6	6.498	99	597166	124.422	ng	0.00
23) Nitrobenzene-d5	7.428	82	394203	89.165	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	261487	141.631	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	846170	84.943	ng	0.00
79) Terphenyl-d14	12.986	244	997522	98.256	ng	0.00
Target Compounds						Qvalue

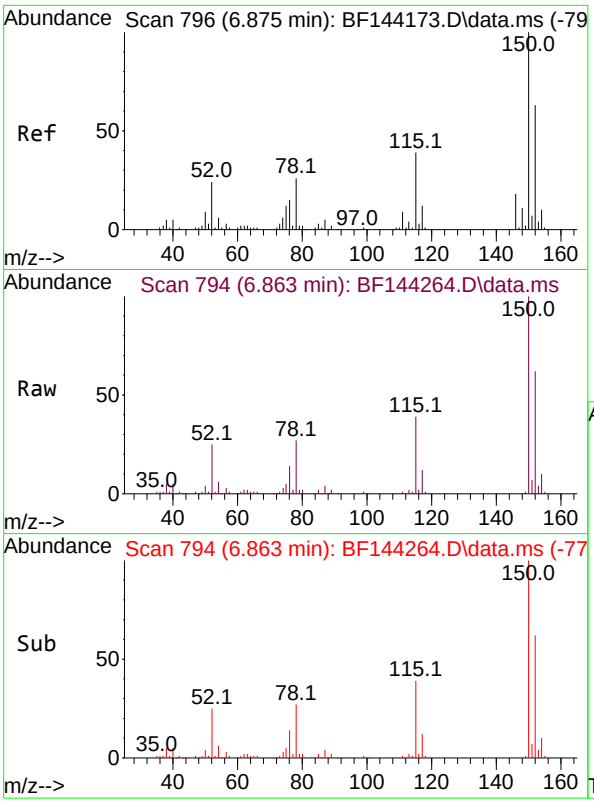
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Time: Nov 17 14:44:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



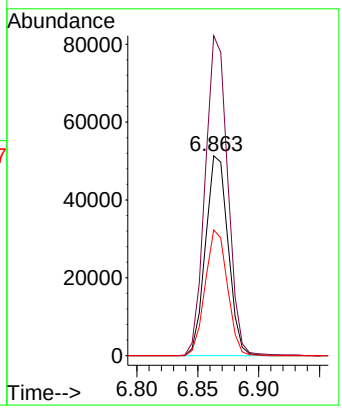


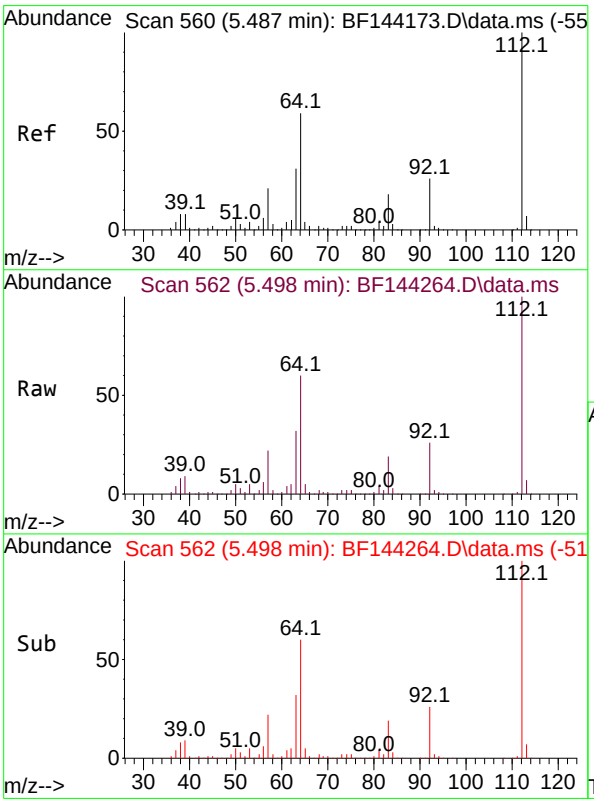
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion:152 Resp: 66285

Ion	Ratio	Lower	Upper
152	100		
150	160.2	127.4	191.0
115	62.9	49.5	74.3

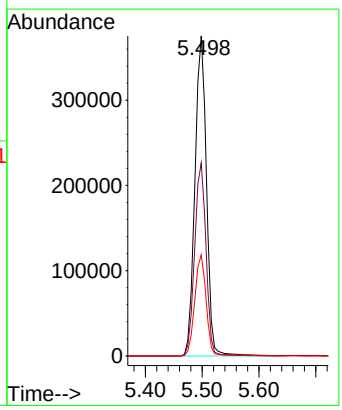


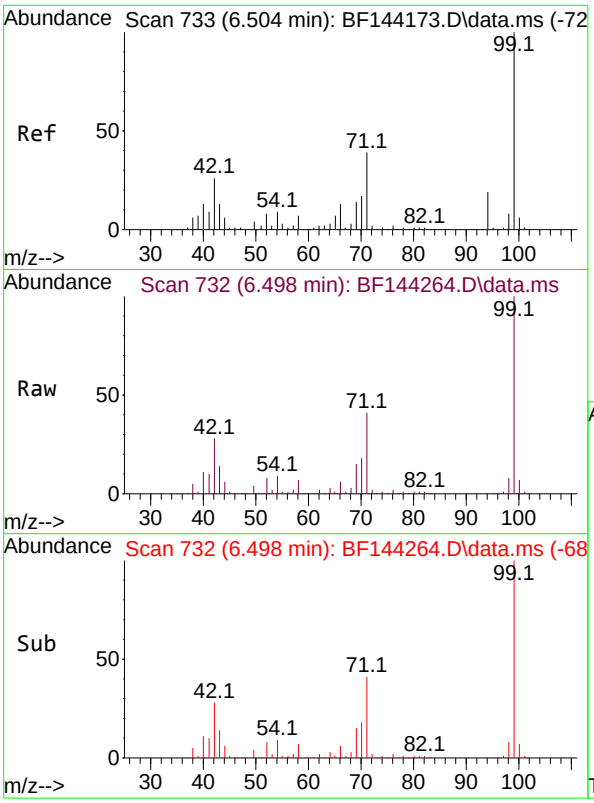


#5
2-Fluorophenol
Concen: 124.894 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:112 Resp: 529027

Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.2	70.8
63	31.6	24.4	36.6



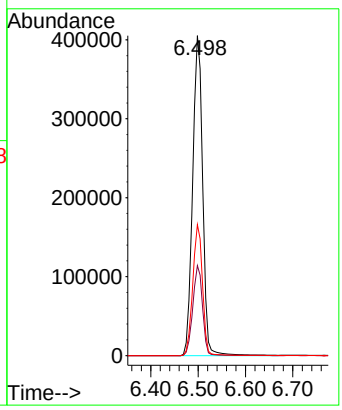


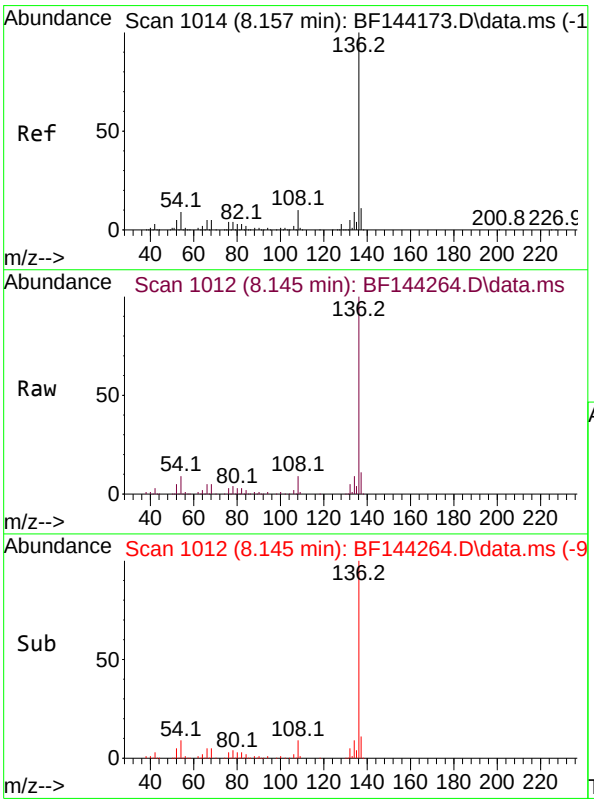
#7
Phenol-d6
Concen: 124.422 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion: 99 Resp: 597166

Ion	Ratio	Lower	Upper
99	100		
42	28.1	20.9	31.3
71	40.9	31.4	47.2

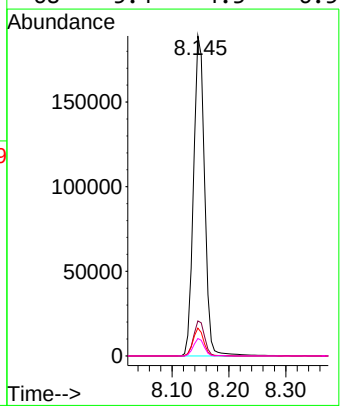


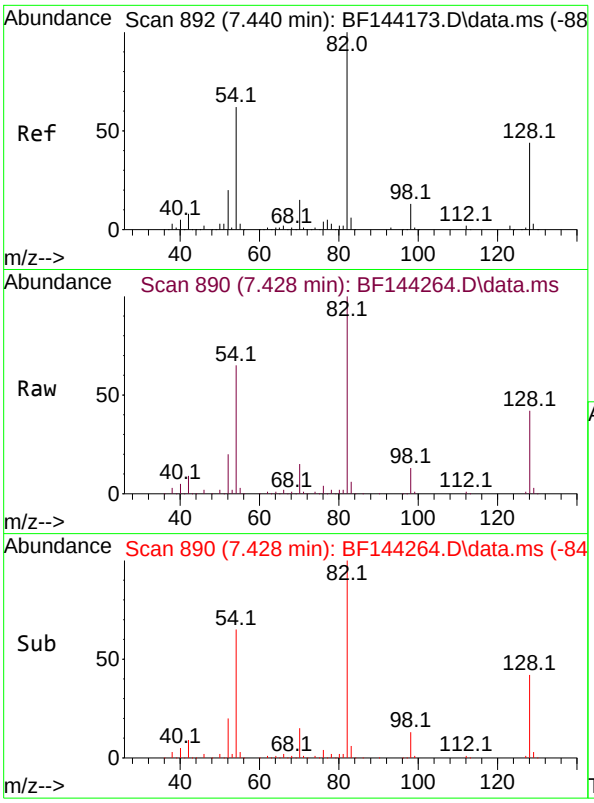


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:136 Resp: 255338

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.7	7.0	10.6
68	5.4	4.3	6.5



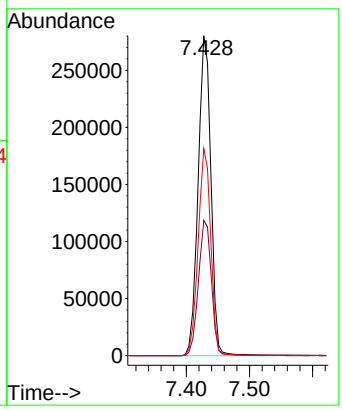


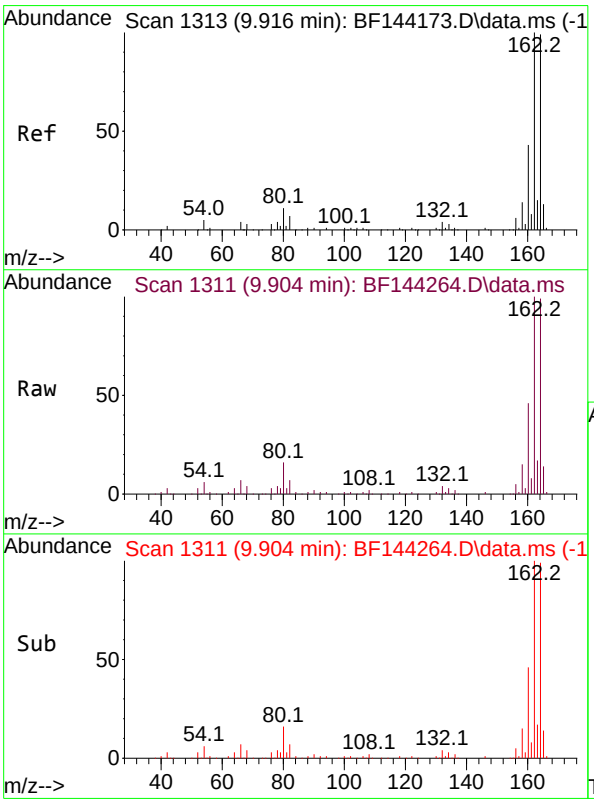
#23
Nitrobenzene-d5
Concen: 89.165 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion: 82 Resp: 394203

Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.7	52.1
54	64.7	49.5	74.3

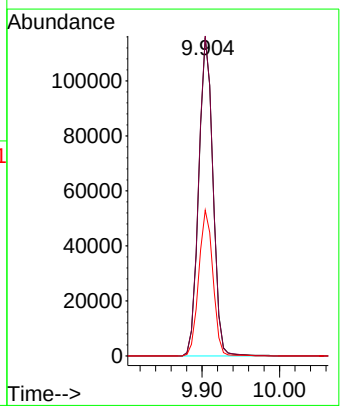


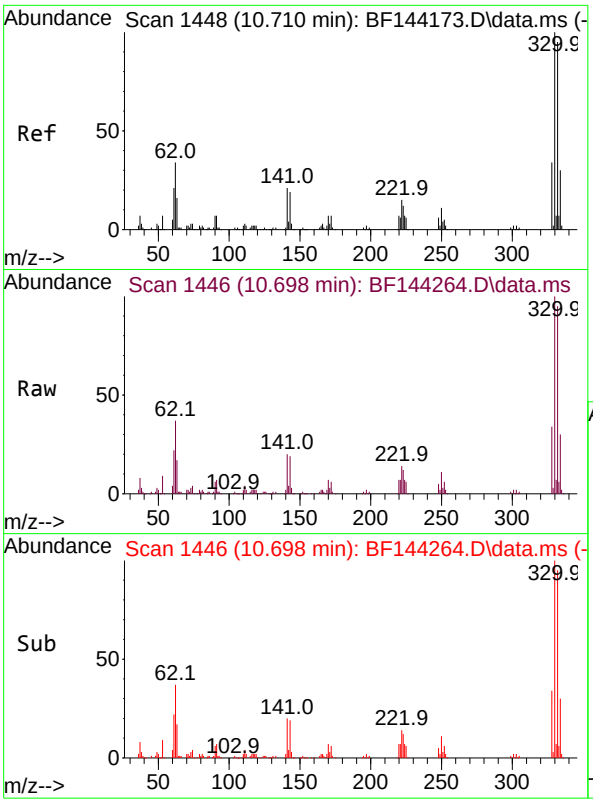


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:164 Resp: 147126

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.1	121.7
160	45.8	34.5	51.7



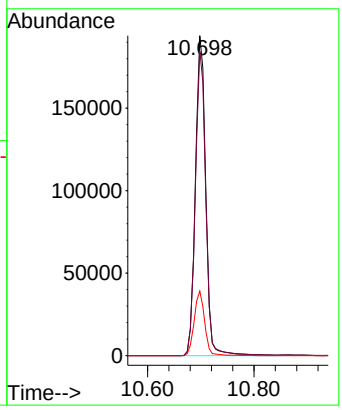


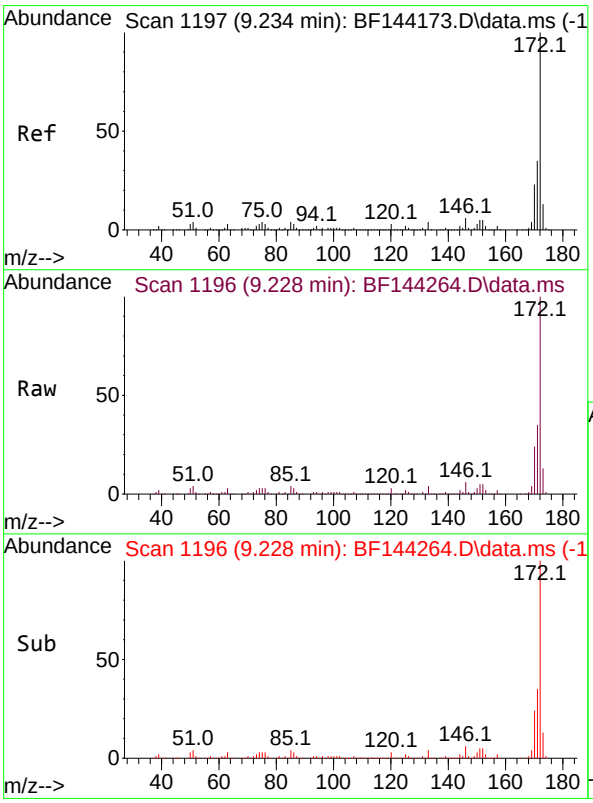
#42
2,4,6-Tribromophenol
Concen: 141.631 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion:330 Resp: 261487

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.7	115.1
141	20.5	17.8	26.8

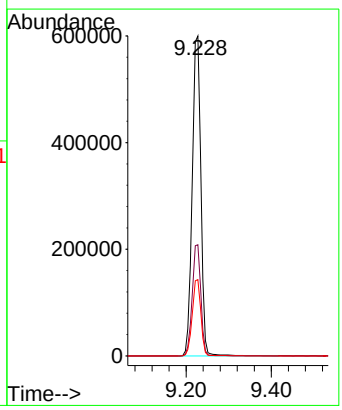


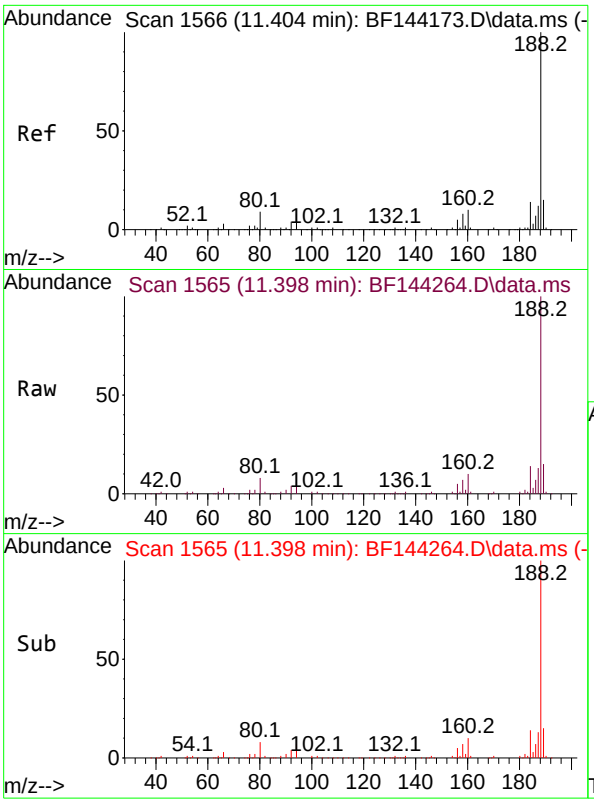


#45
2-Fluorobiphenyl
Concen: 84.943 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:172 Resp: 846170

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.1	42.1
170	23.8	18.6	28.0



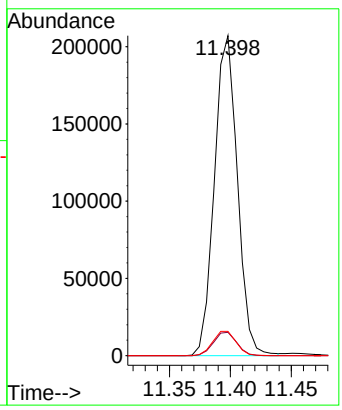


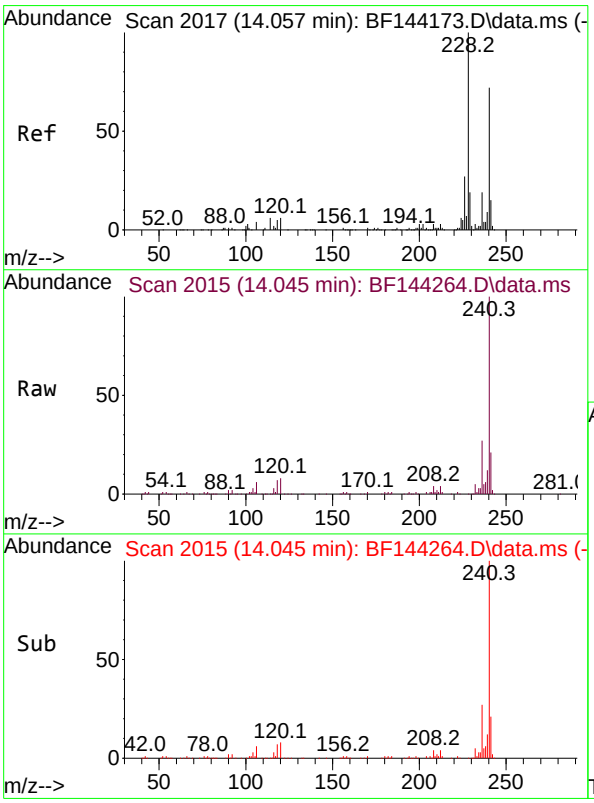
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion:188 Resp: 272429

Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.2	9.2
80	7.6	6.9	10.3

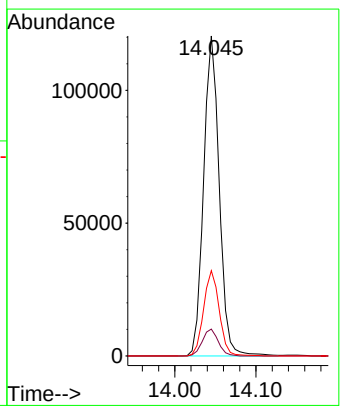


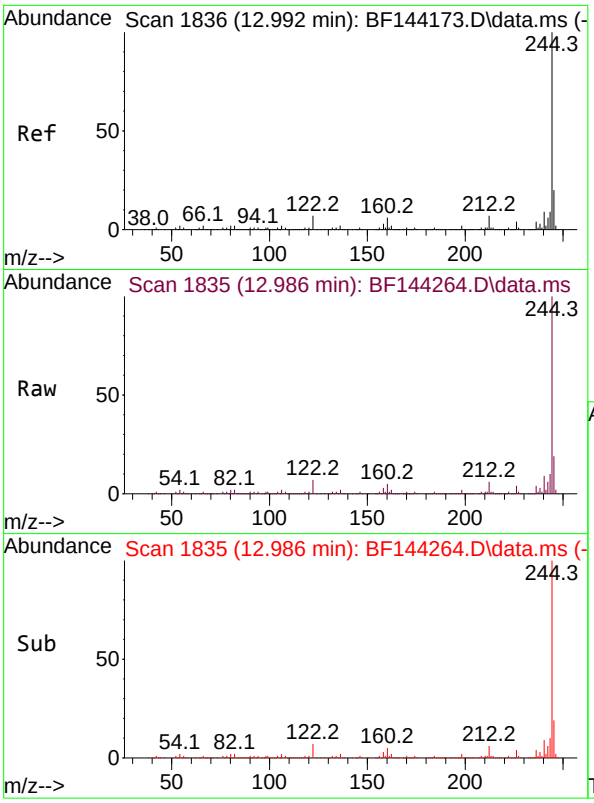


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:240 Resp: 161260

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.6	10.0
236	26.6	21.4	32.2



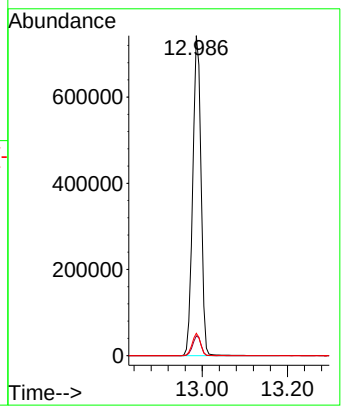


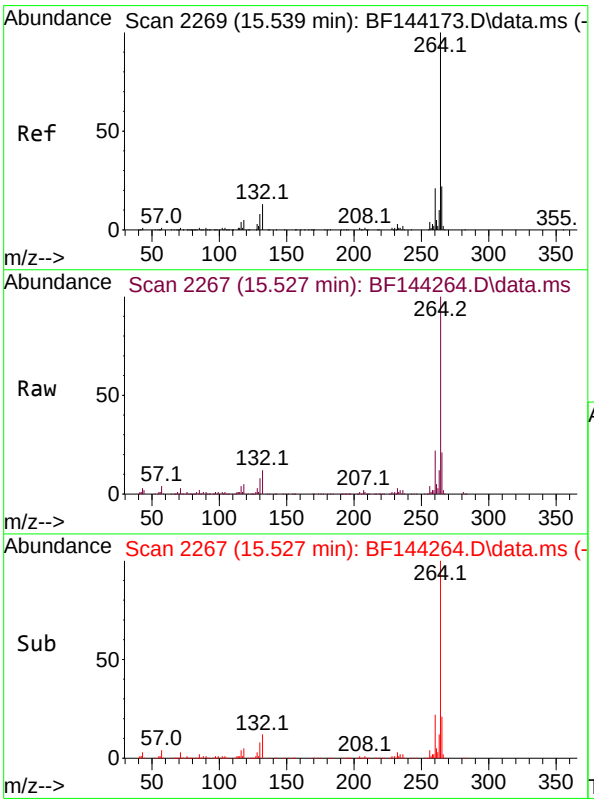
#79
Terphenyl-d14
Concen: 98.256 ng
RT: 12.986 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion:244 Resp: 997522

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.3	7.9
122	7.0	5.6	8.4

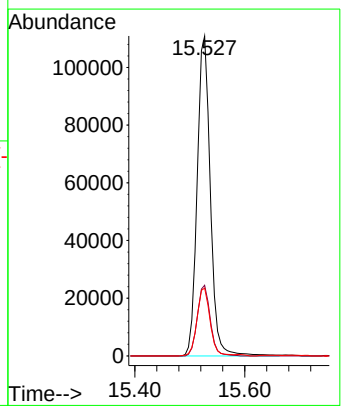




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:264 Resp: 184176

Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.1	25.7
265	21.2	17.4	26.0



Sample Results: **BF144264.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144264.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.122	488	498	506	rBV	16649	29401	1.24%	0.198%
2	5.498	556	562	577	rBV	1362420	1892542	79.91%	12.770%
3	6.498	726	732	749	rBV	1325354	1921481	81.13%	12.965%
4	6.863	789	794	804	rVB	309009	390416	16.48%	2.634%
5	7.428	884	890	910	rBV	884059	1237167	52.24%	8.348%
6	8.145	1007	1012	1031	rBV	377566	498772	21.06%	3.366%
7	9.222	1189	1195	1201	rBV	1660214	2312243	97.63%	15.602%
8	9.904	1306	1311	1326	rBV	470800	592943	25.04%	4.001%
9	10.698	1440	1446	1470	rBV	1198056	1615693	68.22%	10.902%
10	11.398	1559	1565	1572	rBV	475378	621935	26.26%	4.197%
11	12.986	1829	1835	1840	rBV	1781245	2368326	100.00%	15.981%
12	14.045	2010	2015	2028	rBV	308192	405902	17.14%	2.739%
13	15.151	2198	2203	2210	rBV	24347	41820	1.77%	0.282%
14	15.527	2260	2267	2276	rBV	291120	500472	21.13%	3.377%
15	15.974	2338	2343	2350	rVB	32424	59125	2.50%	0.399%
16	16.492	2425	2431	2440	rVB2	33793	70746	2.99%	0.477%
17	17.092	2527	2533	2540	rBV3	23453	57332	2.42%	0.387%
18	17.203	2545	2552	2568	rVB	37557	144263	6.09%	0.973%
19	17.803	2649	2654	2667	rVB3	21671	59449	2.51%	0.401%

Sum of corrected areas: 14820028

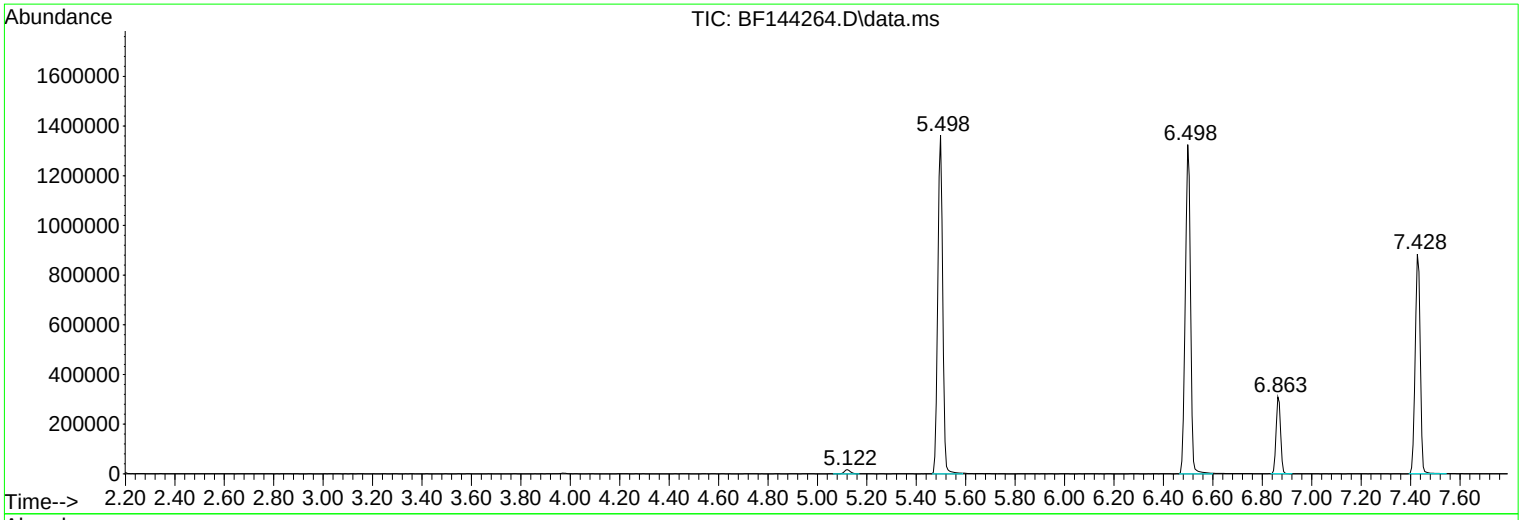
Sample Results: **BF144264.D**

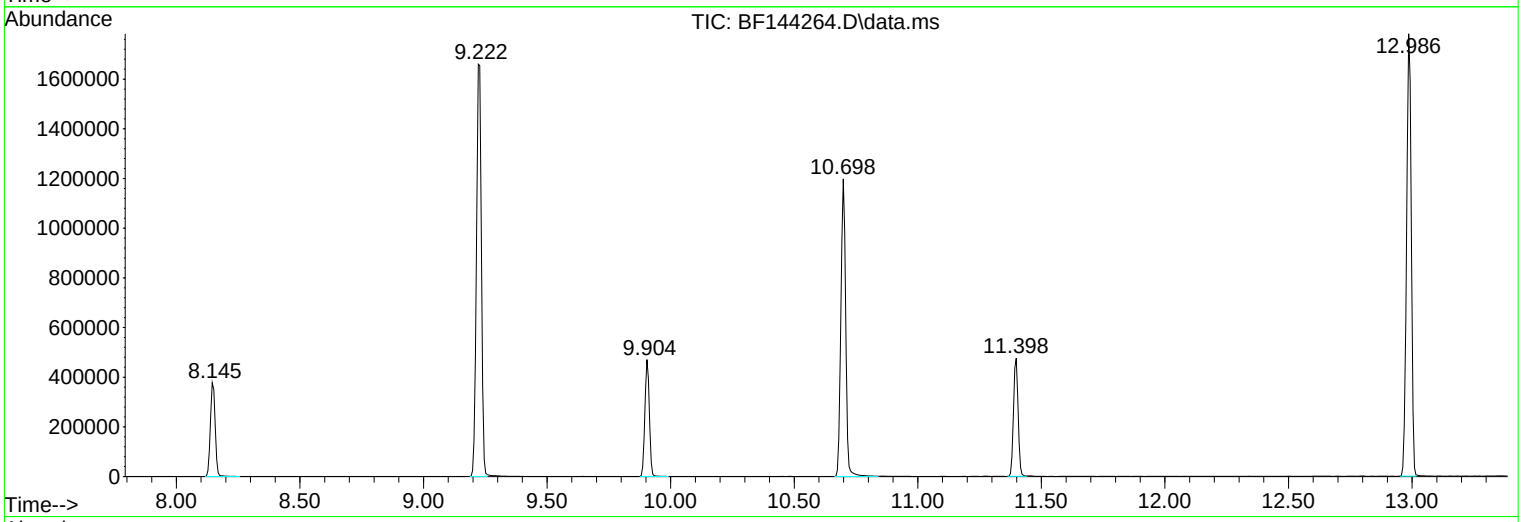
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

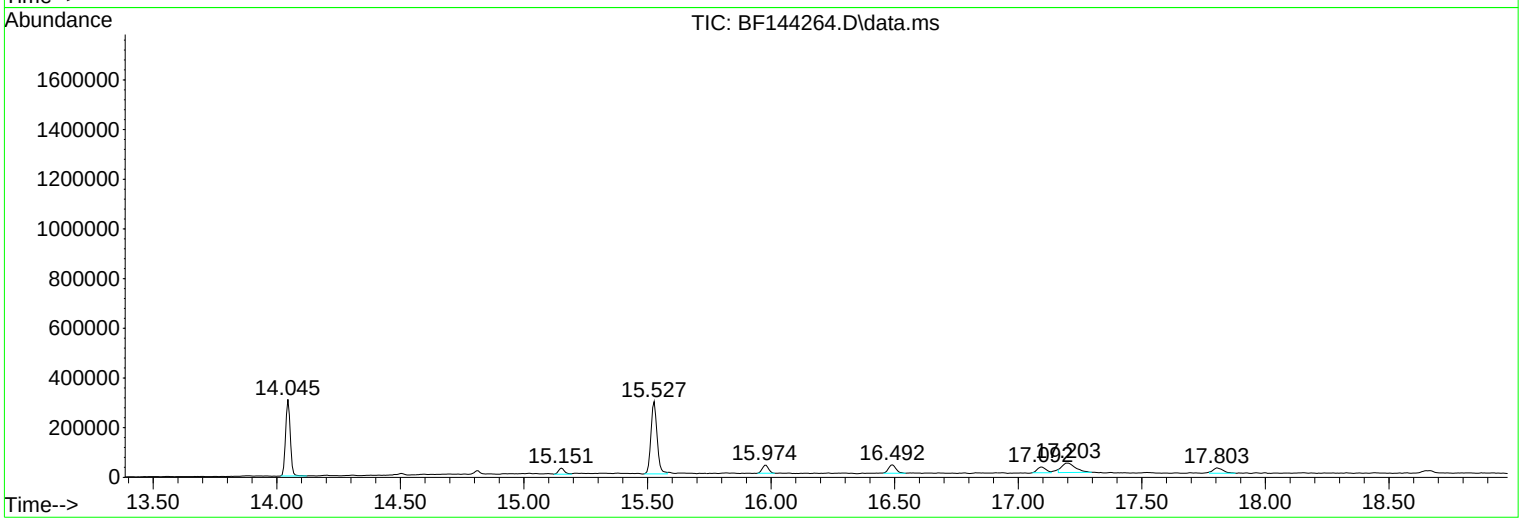
Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Sample Results: **BF144264.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

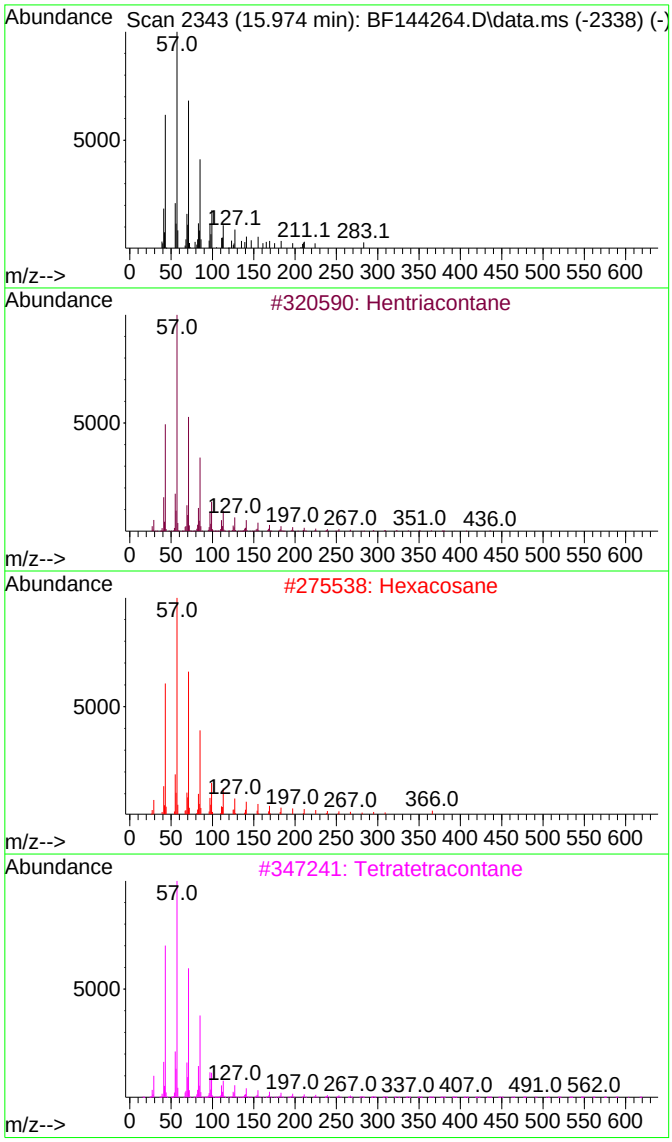
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

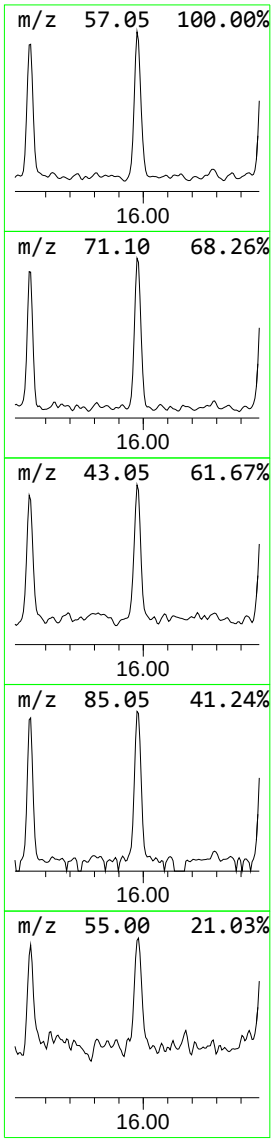
****

Peak Number 1 Hentriacontane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.974	2.36 ng	59125	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Tetratetracontane	619	C44H90	007098-22-8	91
4	Octacosane	394	C28H58	000630-02-4	90
5	Heneicosane	296	C21H44	000629-94-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

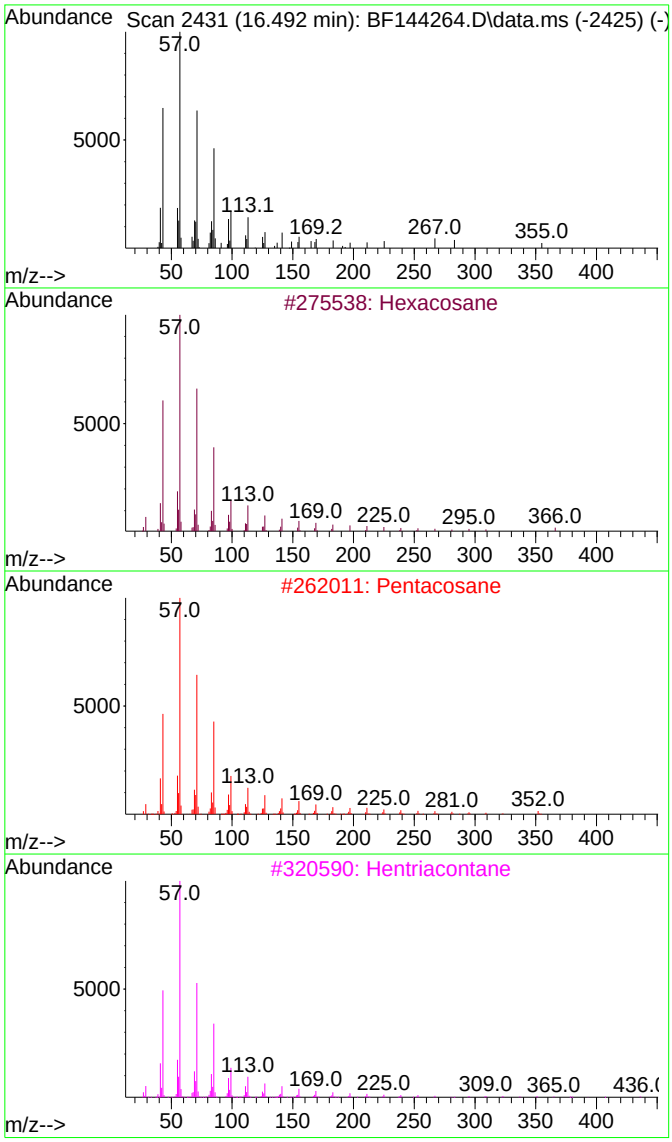
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

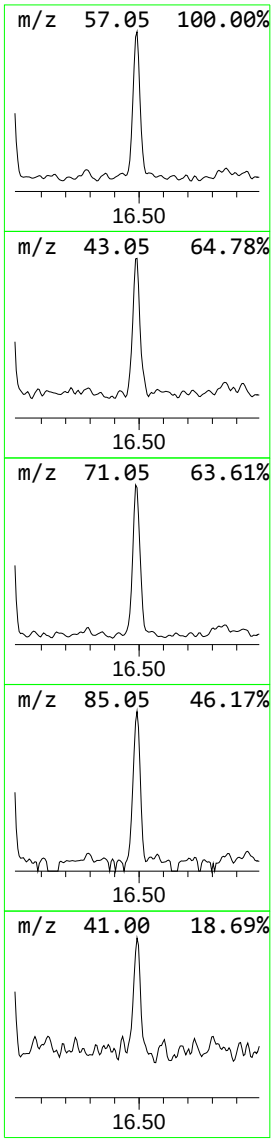
****

Peak Number 2 Hexacosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.492	2.83 ng	70746	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	Pentacosane	352	C25H52	000629-99-2	90
3	Hentriacontane	437	C31H64	000630-04-6	90
4	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	87
5	Octacosane	394	C28H58	000630-02-4	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

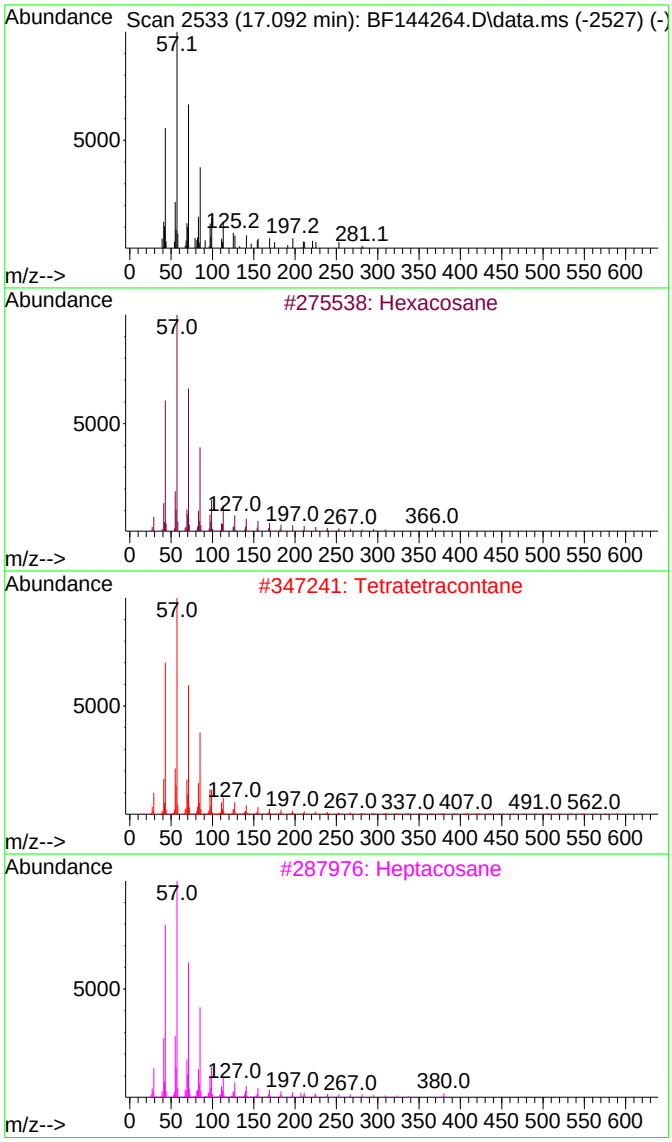
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

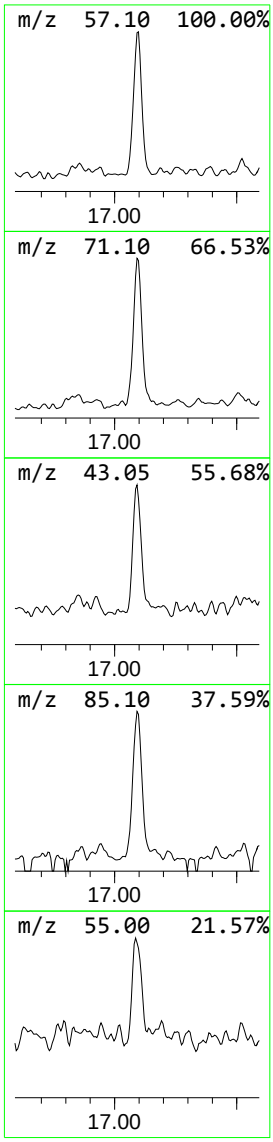
****

Peak Number 3 Tetratetracontane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.092	2.29 ng	57332	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	87
2	Tetratetracontane	619	C44H90	007098-22-8	86
3	Heptacosane	380	C27H56	000593-49-7	86
4	Hentriacontane	437	C31H64	000630-04-6	86
5	Octacosane, 2-methyl-	408	C29H60	001560-98-1	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

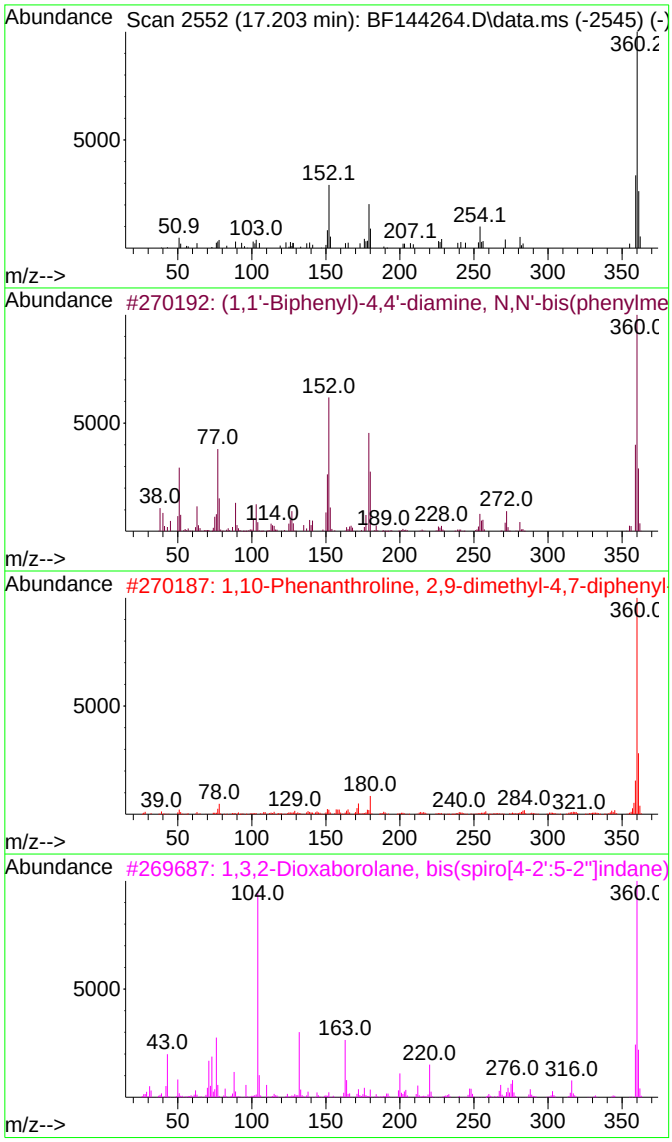
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

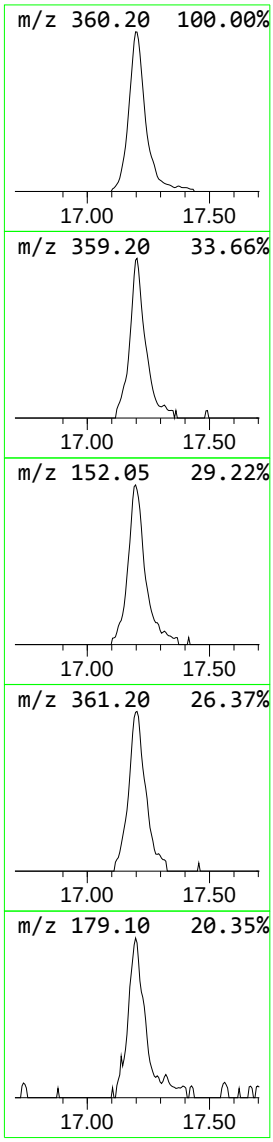
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.203	5.77 ng	144263	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	93
2	1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	52
3	1,3,2-Dioxaborolane, bis(spiro[4...	360	C20H13BO6	1000150-23-7	50
4	Jaceidin	360	C18H16O8	010173-01-0	50
5	N,N'-di-2-Naphthyl-p-phenylenedi...	360	C26H20N2	000093-46-9	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

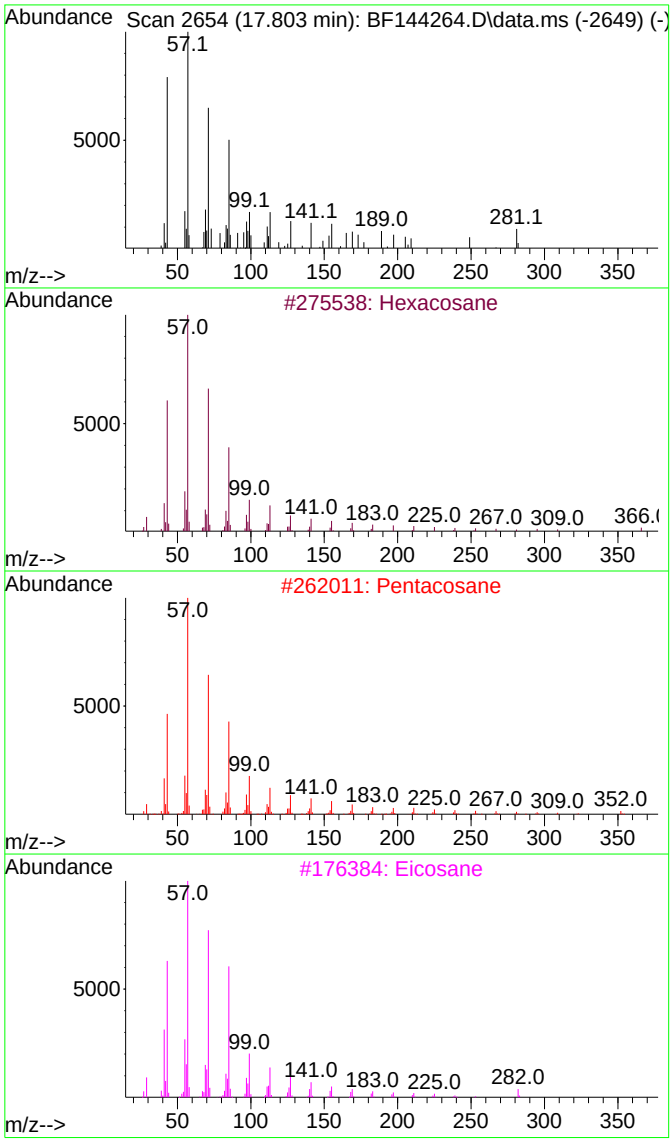
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

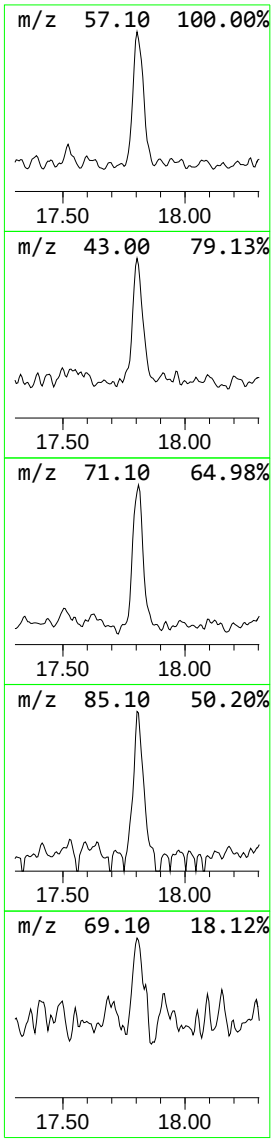
****

Peak Number 5 Pentacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.804	2.38 ng	59449	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	86
2	Pentacosane	352	C25H52	000629-99-2	83
3	Eicosane	282	C20H42	000112-95-8	81
4	Octacosane	394	C28H58	000630-02-4	80
5	Tetracosane	338	C24H50	000646-31-1	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.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
Hentriacontane	15.974	2.4	ng	59125	6	15.527	500472	20.0
Hexacosane	16.492	2.8	ng	70746	6	15.527	500472	20.0
Tetratetracontane	17.092	2.3	ng	57332	6	15.527	500472	20.0
(1,1'-Biphenyl)...	17.203	5.8	ng	144263	6	15.527	500472	20.0
Pentacosane	17.804	2.4	ng	59449	6	15.527	500472	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144265.D
Acq On : 17 Nov 2025 13:52
Operator : RC/JU
Sample : PB170576BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 14:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	57508	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	224965	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	126893	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	214778	20.000	ng	0.00
76) Chrysene-d12	14.045	240	127678	20.000	ng	0.00
86) Perylene-d12	15.527	264	154286	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	421874	114.798	ng	0.00
7) Phenol-d6	6.504	99	478765	114.978	ng	0.00
23) Nitrobenzene-d5	7.434	82	311496	79.970	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	188405	118.318	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	680168	79.166	ng	0.00
79) Terphenyl-d14	12.986	244	663126	82.498	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.693	88	56543	37.216	ng	98
3) Pyridine	3.463	79	148748	35.092	ng	99
4) n-Nitrosodimethylamine	3.404	42	99331	44.863	ng	97
6) Aniline	6.534	93	186036	31.358	ng	98
8) 2-Chlorophenol	6.651	128	154455	42.857	ng	100
9) Benzaldehyde	6.422	77	63023	26.803	ng	99
10) Phenol	6.516	94	207073	40.702	ng	90
11) bis(2-Chloroethyl)ether	6.604	93	159489	43.023	ng	99
12) 1,3-Dichlorobenzene	6.810	146	187707	42.208	ng	98
13) 1,4-Dichlorobenzene	6.886	146	190820	42.829	ng	98
14) 1,2-Dichlorobenzene	7.034	146	183824	43.046	ng	99
15) Benzyl Alcohol	7.010	79	148710	45.102	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	286313	41.940	ng	95
17) 2-Methylphenol	7.122	107	119855	41.804	ng	95
18) Hexachloroethane	7.375	117	61002	41.212	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	115627	42.182	ng	94
20) 3+4-Methylphenols	7.275	107	146258	43.275	ng	92
22) Acetophenone	7.275	105	224963	46.615	ng	95
24) Nitrobenzene	7.451	77	175647	41.532	ng	99
25) Isophorone	7.686	82	316082	42.901	ng	100
26) 2-Nitrophenol	7.769	139	88948	42.487	ng	98
27) 2,4-Dimethylphenol	7.804	122	146563	46.708	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	195648	42.524	ng	98
29) 2,4-Dichlorophenol	8.010	162	151071	41.771	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	164074	44.180	ng	96
31) Naphthalene	8.169	128	447289	41.797	ng	100
32) Benzoic acid	7.933	122	101372	44.073	ng	94
33) 4-Chloroaniline	8.222	127	96938	24.837	ng	99
34) Hexachlorobutadiene	8.286	225	114468	40.898	ng	99
35) Caprolactam	8.592	113	43562m	43.965	ng	
36) 4-Chloro-3-methylphenol	8.704	107	138818	42.829	ng	99
37) 2-Methylnaphthalene	8.863	142	278575	38.935	ng	99
38) 1-Methylnaphthalene	8.963	142	278003	40.269	ng	99
40) 1,2,4,5-Tetrachloroben...	9.028	216	190679	45.851	ng	98
41) Hexachlorocyclopentadiene	9.016	237	137806	83.412	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	117312	41.446	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144265.D
Acq On : 17 Nov 2025 13:52
Operator : RC/JU
Sample : PB170576BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 14:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	124969	40.965	ng		98
46) 1,1'-Biphenyl	9.328	154	402584	45.451	ng		99
47) 2-Chloronaphthalene	9.357	162	315213	41.719	ng		99
48) 2-Nitroaniline	9.451	65	98024	44.964	ng		99
49) Acenaphthylene	9.769	152	479794	46.599	ng		99
50) Dimethylphthalate	9.627	163	375975	44.725	ng		99
51) 2,6-Dinitrotoluene	9.692	165	79835	46.914	ng		99
52) Acenaphthene	9.945	154	300376m	43.626	ng		
53) 3-Nitroaniline	9.863	138	56681	30.470	ng		99
54) 2,4-Dinitrophenol	9.975	184	78637	76.525	ng		98
55) Dibenzofuran	10.116	168	400494	41.532	ng		99
56) 4-Nitrophenol	10.033	139	94446	70.187	ng		93
57) 2,4-Dinitrotoluene	10.098	165	104644	45.935	ng		97
58) Fluorene	10.457	166	315358	43.013	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	95261	44.136	ng	#	96
60) Diethylphthalate	10.327	149	336684	43.446	ng		100
61) 4-Chlorophenyl-phenyle...	10.451	204	172430	41.288	ng		99
62) 4-Nitroaniline	10.480	138	71517	40.370	ng		98
63) Azobenzene	10.610	77	320032	44.374	ng		99
65) 4,6-Dinitro-2-methylph...	10.510	198	61765	42.332	ng		98
66) n-Nitrosodiphenylamine	10.569	169	309243	44.767	ng		99
67) 4-Bromophenyl-phenylether	10.939	248	117484	42.855	ng		97
68) Hexachlorobenzene	11.010	284	143061	44.304	ng		95
69) Atrazine	11.098	200	97665	44.457	ng		99
70) Pentachlorophenol	11.204	266	136188	84.697	ng		97
71) Phenanthrene	11.421	178	466162	43.593	ng		100
72) Anthracene	11.474	178	461640	42.456	ng		99
73) Carbazole	11.633	167	387879	41.951	ng		99
74) Di-n-butylphthalate	11.957	149	461045	41.248	ng		99
75) Fluoranthene	12.616	202	461433	41.772	ng		99
77) Benzidine	12.739	184	84424	22.354	ng		99
78) Pyrene	12.845	202	448811	43.597	ng		99
80) Butylbenzylphthalate	13.457	149	150266	42.115	ng		99
81) Benzo(a)anthracene	14.039	228	391354	44.226	ng		99
82) 3,3'-Dichlorobenzidine	13.998	252	102068	33.650	ng		96
83) Chrysene	14.074	228	349396	42.772	ng		98
84) Bis(2-ethylhexyl)phtha...	14.015	149	190183	38.937	ng		98
85) Di-n-octyl phthalate	14.633	149	341741	40.553	ng		100
87) Indeno(1,2,3-cd)pyrene	17.033	276	503139	45.429	ng		99
88) Benzo(b)fluoranthene	15.092	252	436245	49.735	ng		99
89) Benzo(k)fluoranthene	15.121	252	384664	46.853	ng		99
90) Benzo(a)pyrene	15.468	252	401625	49.632	ng		98
91) Dibenzo(a,h)anthracene	17.045	278	409253	46.011	ng		99
92) Benzo(g,h,i)perylene	17.486	276	418232	47.615	ng		99

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

Sample Results: **BF144265.D**

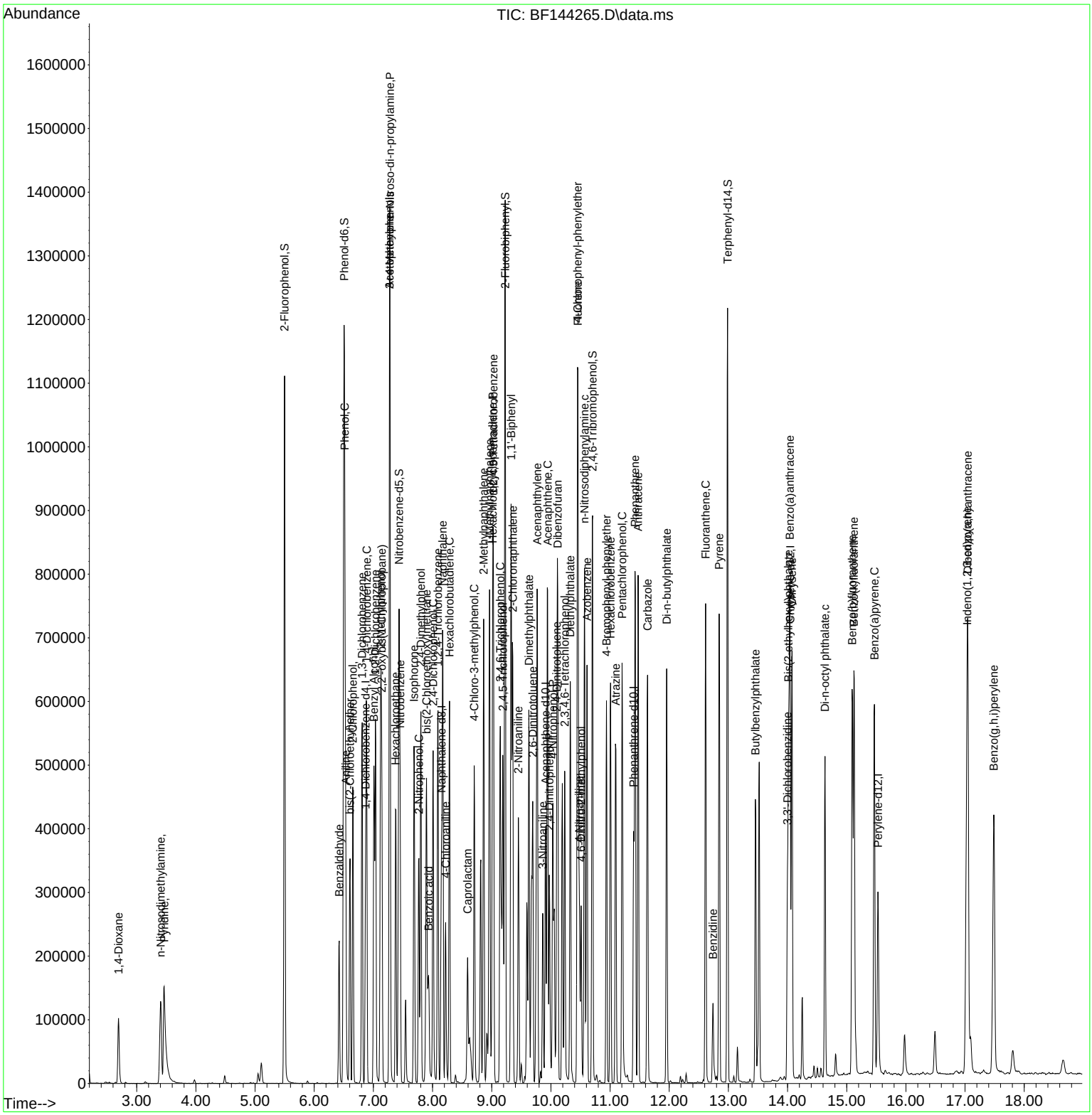
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144265.D
Acq On : 17 Nov 2025 13:52
Operator : RC/JU
Sample : PB170576BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 14:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064796.D
Acq On : 17 Nov 2025 22:50
Operator : RC/JU
Sample : Q3649-08MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 18 00:24:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.165	152	35648	20.000	ng		0.00
21) Naphthalene-d8	10.979	136	137981	20.000	ng		0.00
39) Acenaphthene-d10	14.774	164	109267	20.000	ng		0.00
64) Phenanthrene-d10	17.501	188	264688	20.000	ng		0.00
76) Chrysene-d12	21.755	240	332562	20.000	ng		0.00
86) Perylene-d12	25.010	264	341639	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.703	112	226596	110.998	ng		0.00
7) Phenol-d6	7.307	99	313192	115.347	ng		0.00
23) Nitrobenzene-d5	9.322	82	202570	72.587	ng		0.00
42) 2,4,6-Tribromophenol	16.249	330	236442	110.951	ng		0.00
45) 2-Fluorobiphenyl	13.405	172	562446	71.824	ng		0.00
79) Terphenyl-d14	20.092	244	1278535	75.625	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.529	88	32691	41.364	ng		94
3) Pyridine	3.934	79	91631	38.913	ng		96
4) n-Nitrosodimethylamine	3.846	42	53511	44.648	ng	#	77
6) Aniline	7.477	93	82153	22.700	ng		98
8) 2-Chlorophenol	7.724	128	112298	50.098	ng		94
9) Benzaldehyde	7.289	77	57685	32.455	ng		98
10) Phenol	7.336	94	150380	50.903	ng		97
11) bis(2-Chloroethyl)ether	7.571	93	98633	46.918	ng		96
12) 1,3-Dichlorobenzene	8.053	146	122625	47.541	ng		97
13) 1,4-Dichlorobenzene	8.200	146	125713	47.865	ng		97
14) 1,2-Dichlorobenzene	8.523	146	121100	47.553	ng		96
15) Benzyl Alcohol	8.394	79	108598	48.727	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.693	45	219395	44.092	ng		98
17) 2-Methylphenol	8.599	107	102724	49.143	ng		97
18) Hexachloroethane	9.263	117	45576	45.816	ng		95
19) n-Nitroso-di-n-propyla...	8.964	70	85608	46.631	ng		89
20) 3+4-Methylphenols	8.922	107	140181	48.952	ng		95
22) Acetophenone	8.987	105	179131	47.651	ng	#	99
24) Nitrobenzene	9.369	77	130982	46.451	ng		97
25) Isophorone	9.892	82	245569	46.208	ng		97
26) 2-Nitrophenol	10.086	139	64778	51.074	ng		95
27) 2,4-Dimethylphenol	10.139	122	112198	49.794	ng		92
28) bis(2-Chloroethoxy)met...	10.374	93	142319	48.780	ng		99
29) 2,4-Dichlorophenol	10.621	162	125634	51.933	ng		98
30) 1,2,4-Trichlorobenzene	10.844	180	142774	48.876	ng		96
31) Naphthalene	11.032	128	362873	46.392	ng		100
32) Benzoic acid	10.268	122	77206	48.481	ng		99
33) 4-Chloroaniline	11.126	127	36291	11.598	ng		96
34) Hexachlorobutadiene	11.320	225	112947	45.064	ng		97
35) Caprolactam	11.890	113	35144m	48.571	ng		
36) 4-Chloro-3-methylphenol	12.236	107	135942	50.487	ng		97
37) 2-Methylnaphthalene	12.624	142	245144	41.881	ng		98
38) 1-Methylnaphthalene	12.841	142	255126	43.878	ng		98
40) 1,2,4,5-Tetrachloroben...	12.988	216	201397	47.361	ng		98
41) Hexachlorocyclopentadiene	12.971	237	274888	90.187	ng		98
43) 2,4,6-Trichlorophenol	13.217	196	125622	50.334	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064796.D
Acq On : 17 Nov 2025 22:50
Operator : RC/JU
Sample : Q3649-08MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 18 00:24:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.288	196	139123	49.701	ng		98
46) 1,1'-Biphenyl	13.617	154	385008	49.059	ng		98
47) 2-Chloronaphthalene	13.658	162	289859	46.881	ng		99
48) 2-Nitroaniline	13.846	65	100497	50.536	ng		94
49) Acenaphthylene	14.498	152	510337	48.315	ng		98
50) Dimethylphthalate	14.222	163	407935	47.262	ng		99
51) 2,6-Dinitrotoluene	14.334	165	86706	52.205	ng		97
52) Acenaphthene	14.839	154	345121	54.493	ng		99
53) 3-Nitroaniline	14.657	138	34388	20.978	ng		85
54) 2,4-Dinitrophenol	14.868	184	114155	98.155	ng		98
55) Dibenzofuran	15.168	168	500377	47.790	ng		97
56) 4-Nitrophenol	14.962	139	138584	106.554	ng		94
57) 2,4-Dinitrotoluene	15.115	165	127005	51.006	ng		98
58) Fluorene	15.814	166	383525	46.703	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.391	232	145481	52.676	ng		97
60) Diethylphthalate	15.573	149	390741	47.257	ng		100
61) 4-Chlorophenyl-phenyle...	15.803	204	229901	46.649	ng		96
62) 4-Nitroaniline	15.820	138	80718	47.531	ng		92
63) Azobenzene	16.091	77	358106	52.070	ng		98
65) 4,6-Dinitro-2-methylph...	15.879	198	82924	56.426	ng		92
66) n-Nitrosodiphenylamine	16.008	169	348645	50.287	ng		98
67) 4-Bromophenyl-phenylether	16.690	248	172054	49.498	ng		98
68) Hexachlorobenzene	16.813	284	199440	47.358	ng		99
69) Atrazine	16.948	200	163466	48.903	ng		95
70) Pentachlorophenol	17.154	266	254852	100.554	ng		95
71) Phenanthrene	17.548	178	697992	48.197	ng		99
72) Anthracene	17.636	178	713624	48.326	ng		99
73) Carbazole	17.894	167	623792	49.139	ng		99
74) Di-n-butylphthalate	18.447	149	694307	49.024	ng		99
75) Fluoranthene	19.539	202	923210	46.619	ng		100
77) Benzidine	19.704	184	388676	39.025	ng		99
78) Pyrene	19.898	202	949087	50.920	ng		99
80) Butylbenzylphthalate	20.767	149	331588	50.578	ng		96
81) Benzo(a)anthracene	21.737	228	1077790	47.662	ng		99
82) 3,3'-Dichlorobenzidine	21.643	252	165088	19.835	ng		98
83) Chrysene	21.802	228	1014594	47.591	ng		99
84) Bis(2-ethylhexyl)phtha...	21.631	149	480785	50.187	ng		99
85) Di-n-octyl phthalate	22.859	149	796666	48.109	ng		99
87) Indeno(1,2,3-cd)pyrene	28.752	276	1220785	52.011	ng	#	95
88) Benzo(b)fluoranthene	23.975	252	1046098	48.116	ng		99
89) Benzo(k)fluoranthene	24.046	252	1077935	49.350	ng		100
90) Benzo(a)pyrene	24.863	252	1000023	49.585	ng		99
91) Dibenzo(a,h)anthracene	28.805	278	1002563	52.139	ng		96
92) Benzo(g,h,i)perylene	29.916	276	974197	52.643	ng		98

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

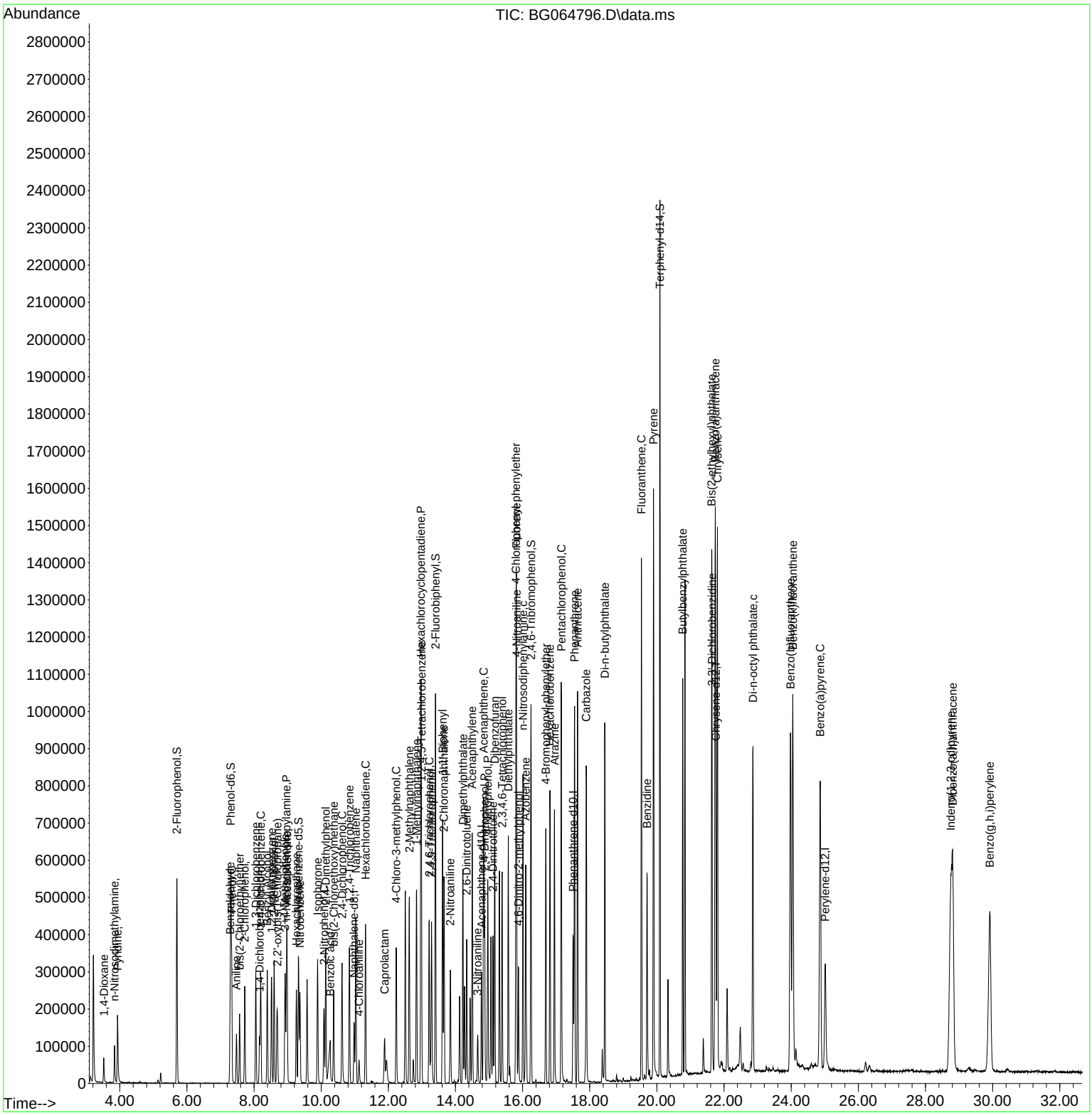
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064796.D
Acq On : 17 Nov 2025 22:50
Operator : RC/JU
Sample : Q3649-08MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 18 00:24:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



Sample Results: **BG064797.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064797.D
Acq On : 17 Nov 2025 23:31
Operator : RC/JU
Sample : Q3649-08MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 18 00:25:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay
11/18/2025
Supervised By :Sohil Jodhani
11/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	39734	20.000	ng	0.00
21) Naphthalene-d8	10.978	136	157606	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	130879	20.000	ng	0.00
64) Phenanthrene-d10	17.500	188	316710	20.000	ng	0.00
76) Chrysene-d12	21.754	240	371983	20.000	ng	0.00
86) Perylene-d12	25.009	264	376972	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	242473	106.561	ng	0.00
7) Phenol-d6	7.312	99	335412	110.828	ng	0.00
23) Nitrobenzene-d5	9.327	82	219027	68.711	ng	0.00
42) 2,4,6-Tribromophenol	16.248	330	264438	103.598	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	601736	64.153	ng	0.00
79) Terphenyl-d14	20.091	244	1364576	72.160	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.528	88	32904	37.353	ng	93
3) Pyridine	3.933	79	93203	35.510	ng	97
4) n-Nitrosodimethylamine	3.845	42	55812	41.779	ng	82
6) Aniline	7.476	93	92542	22.941	ng	99
8) 2-Chlorophenol	7.723	128	116122	46.477	ng	99
9) Benzaldehyde	7.288	77	61058	30.820	ng	97
10) Phenol	7.335	94	161413	49.019	ng	98
11) bis(2-Chloroethyl)ether	7.570	93	104673	44.671	ng	96
12) 1,3-Dichlorobenzene	8.052	146	127073	44.200	ng	100
13) 1,4-Dichlorobenzene	8.199	146	133138	45.479	ng	97
14) 1,2-Dichlorobenzene	8.522	146	128179	45.157	ng	97
15) Benzyl Alcohol	8.393	79	117628	47.351	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.687	45	225270	40.617	ng	97
17) 2-Methylphenol	8.598	107	109252	46.891	ng	96
18) Hexachloroethane	9.262	117	47878	43.181	ng	99
19) n-Nitroso-di-n-propyla...	8.969	70	91499	44.714	ng	91
20) 3+4-Methylphenols	8.927	107	147994	46.366	ng	93
22) Acetophenone	8.986	105	190455	44.355	ng	99
24) Nitrobenzene	9.368	77	141359	43.889	ng	96
25) Isophorone	9.897	82	260037	42.838	ng	99
26) 2-Nitrophenol	10.085	139	68781	47.477	ng	96
27) 2,4-Dimethylphenol	10.138	122	116963	45.445	ng	98
28) bis(2-Chloroethoxy)met...	10.373	93	149556	44.877	ng	99
29) 2,4-Dichlorophenol	10.620	162	134228	48.577	ng	97
30) 1,2,4-Trichlorobenzene	10.843	180	153051	45.870	ng	99
31) Naphthalene	11.031	128	384335	43.018	ng	100
32) Benzoic acid	10.273	122	79110	44.097	ng	99
33) 4-Chloroaniline	11.125	127	37251	10.423	ng	96
34) Hexachlorobutadiene	11.319	225	119748	41.828	ng	97
35) Caprolactam	11.895	113	39250m	47.491	ng	
36) 4-Chloro-3-methylphenol	12.235	107	141639	46.053	ng	97
37) 2-Methylnaphthalene	12.623	142	263299	39.382	ng	97
38) 1-Methylnaphthalene	12.840	142	275084	41.420	ng	97
40) 1,2,4,5-Tetrachloroben...	12.987	216	217214	42.646	ng	98
41) Hexachlorocyclopentadiene	12.970	237	292272	80.056	ng	96
43) 2,4,6-Trichlorophenol	13.217	196	138889	46.460	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064797.D
Acq On : 17 Nov 2025 23:31
Operator : RC/JU
Sample : Q3649-08MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 18 00:25:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

11/18/2025

Supervised By :Sohil Jodhani

11/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.287	196	155253	46.305	ng		99
46) 1,1'-Biphenyl	13.616	154	412233	43.854	ng		98
47) 2-Chloronaphthalene	13.657	162	317228	42.836	ng		100
48) 2-Nitroaniline	13.851	65	107396	45.087	ng		99
49) Acenaphthylene	14.497	152	555917	43.939	ng		99
50) Dimethylphthalate	14.221	163	445893	43.129	ng		98
51) 2,6-Dinitrotoluene	14.333	165	95233	47.870	ng		95
52) Acenaphthene	14.838	154	380997	50.224	ng		99
53) 3-Nitroaniline	14.662	138	39171	19.950	ng		88
54) 2,4-Dinitrophenol	14.868	184	127379	92.027	ng		98
55) Dibenzofuran	15.167	168	535479	42.697	ng		97
56) 4-Nitrophenol	14.962	139	151190	97.051	ng		94
57) 2,4-Dinitrotoluene	15.120	165	136738	45.847	ng		97
58) Fluorene	15.813	166	419937	42.693	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.390	232	163314	49.368	ng		96
60) Diethylphthalate	15.573	149	428865	43.303	ng		100
61) 4-Chlorophenyl-phenyle...	15.802	204	250106	42.369	ng		99
62) 4-Nitroaniline	15.819	138	87679	43.104	ng		90
63) Azobenzene	16.090	77	401300	48.715	ng		97
65) 4,6-Dinitro-2-methylph...	15.878	198	92402	52.548	ng		96
66) n-Nitrosodiphenylamine	16.013	169	385312	46.447	ng		98
67) 4-Bromophenyl-phenylether	16.689	248	187577	45.100	ng		98
68) Hexachlorobenzene	16.812	284	222617	44.179	ng		95
69) Atrazine	16.947	200	178444	44.615	ng		99
70) Pentachlorophenol	17.153	266	282935	93.741	ng		99
71) Phenanthrene	17.547	178	762183	43.985	ng		99
72) Anthracene	17.635	178	774717	43.846	ng		98
73) Carbazole	17.893	167	668855	44.034	ng		99
74) Di-n-butylphthalate	18.446	149	753338	44.454	ng		99
75) Fluoranthene	19.539	202	986166	41.618	ng		99
77) Benzidine	19.709	184	404443	36.305	ng		98
78) Pyrene	19.897	202	1015709	48.720	ng		99
80) Butylbenzylphthalate	20.766	149	347928	47.447	ng		97
81) Benzo(a)anthracene	21.736	228	1103366	43.623	ng		99
82) 3,3'-Dichlorobenzidine	21.642	252	172582	18.538	ng		96
83) Chrysene	21.801	228	1035528	43.425	ng		99
84) Bis(2-ethylhexyl)phtha...	21.630	149	488553	45.593	ng		99
85) Di-n-octyl phthalate	22.858	149	815867	44.047	ng		98
87) Indeno(1,2,3-cd)pyrene	28.745	276	1231434	47.547	ng	#	98
88) Benzo(b)fluoranthene	23.980	252	1062278	44.280	ng		99
89) Benzo(k)fluoranthene	24.045	252	1078196	44.736	ng		100
90) Benzo(a)pyrene	24.862	252	1007629	45.279	ng		99
91) Dibenzo(a,h)anthracene	28.810	278	1015062	47.842	ng		96
92) Benzo(g,h,i)perylene	29.915	276	974807	47.739	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064797.D
Acq On : 17 Nov 2025 23:31
Operator : RC/JU
Sample : Q3649-08MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 18 00:25:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

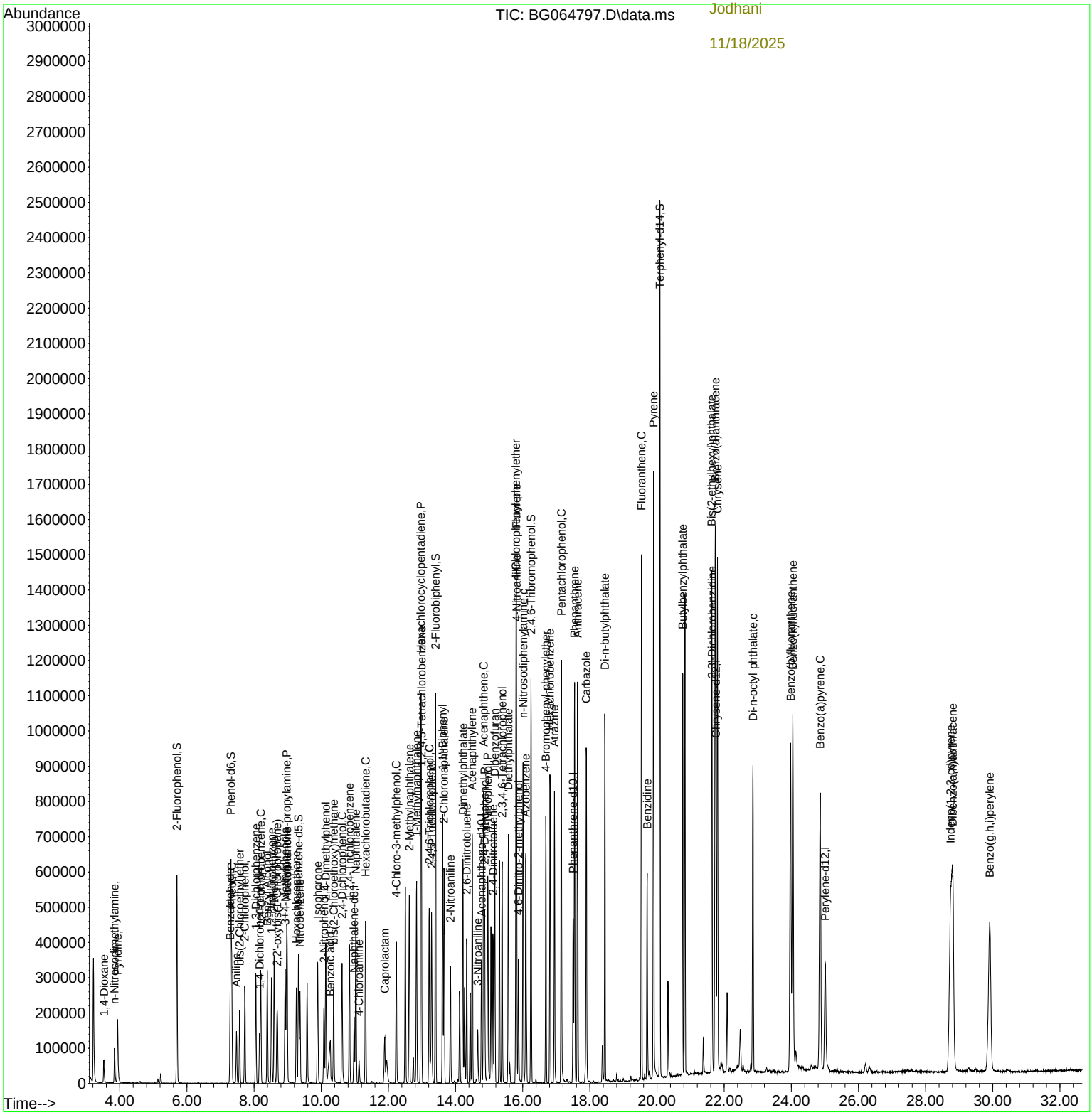
Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

11/18/2025

Supervised By :Sohil Jodhani

11/18/2025



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

Manual Integration Report

Sequence:	BF110525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF144170.D	Benzo(b)fluoranthene	rahul	11/6/2025 8:43:08 AM	Jagrut	11/6/2025 10:21:01 AM	Peak Integrated by Software
SSTDICV040	BF144177.D	Benzoic acid	rahul	11/6/2025 8:43:11 AM	Jagrut	11/6/2025 10:21:04 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF111725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF144263.D	Acenaphthene	Jagrut	11/18/2025 11:28:45 AM	Sohil	11/18/2025 3:23:14 PM	Peak Integrated by Software
PB170576BS	BF144265.D	Acenaphthene	Jagrut	11/18/2025 11:28:47 AM	Sohil	11/18/2025 3:23:18 PM	Peak Integrated by Software
PB170576BS	BF144265.D	Caprolactam	Jagrut	11/18/2025 11:28:47 AM	Sohil	11/18/2025 3:23:18 PM	Peak Integrated by Software
Q3649-03	BF144272.D	Benzo(b)fluoranthene	Jagrut	11/18/2025 11:29:07 AM	Sohil	11/18/2025 3:24:06 PM	Peak Integrated by Software
Q3649-03	BF144272.D	Benzo(k)fluoranthene	Jagrut	11/18/2025 11:29:07 AM	Sohil	11/18/2025 3:24:06 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BG111225	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064746.D	1,3-Dichlorobenzene	Jagrut	11/14/2025 11:30:36 AM	Sohil	11/14/2025 12:23:02 PM	Peak Integrated by Software
SSTDICC005	BG064746.D	1-Methylnaphthalene	Jagrut	11/14/2025 11:30:36 AM	Sohil	11/14/2025 12:23:02 PM	Peak Integrated by Software
SSTDICC005	BG064746.D	2-Methylnaphthalene	Jagrut	11/14/2025 11:30:36 AM	Sohil	11/14/2025 12:23:02 PM	Peak Integrated by Software
SSTDICC010	BG064747.D	1-Methylnaphthalene	Jagrut	11/14/2025 11:30:38 AM	Sohil	11/14/2025 12:23:04 PM	Peak Integrated by Software
SSTDICC010	BG064747.D	Benzoic acid	Jagrut	11/14/2025 11:30:38 AM	Sohil	11/14/2025 12:23:04 PM	Peak Integrated by Software
SSTDICC020	BG064748.D	Benzoic acid	Jagrut	11/14/2025 11:30:41 AM	Sohil	11/14/2025 12:23:06 PM	Peak Integrated by Software
SSTDICCC040	BG064749.D	Benzoic acid	Jagrut	11/14/2025 11:30:43 AM	Sohil	11/14/2025 12:23:08 PM	Peak Integrated by Software
SSTDICC050	BG064750.D	Benzoic acid	Jagrut	11/14/2025 11:30:45 AM	Sohil	11/14/2025 12:23:10 PM	Peak Integrated by Software
SSTDICC060	BG064751.D	Benzoic acid	Jagrut	11/14/2025 11:30:48 AM	Sohil	11/14/2025 12:23:12 PM	Peak Integrated by Software
SSTDICC080	BG064752.D	Benzoic acid	Jagrut	11/14/2025 11:30:50 AM	Sohil	11/14/2025 12:23:14 PM	Peak Integrated by Software
SSTDICC080	BG064752.D	Caprolactam	Jagrut	11/14/2025 11:30:50 AM	Sohil	11/14/2025 12:23:14 PM	Peak Integrated by Software
SSTDICV040	BG064753.D	Benzoic acid	Jagrut	11/14/2025 11:30:53 AM	Sohil	11/14/2025 12:23:16 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BG111225	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	BG111725	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG064784.D	Benzoic acid	Jagrut	11/18/2025 11:27:50 AM	Sohil	11/18/2025 3:22:25 PM	Peak Integrated by Software
Q3649-08MS	BG064796.D	Caprolactam	Jagrut	11/18/2025 11:28:00 AM	Sohil	11/18/2025 3:22:43 PM	Peak Integrated by Software
Q3649-08MSD	BG064797.D	Caprolactam	Jagrut	11/18/2025 11:28:04 AM	Sohil	11/18/2025 3:22:49 PM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110525

Review By	rahul	Review On	11/5/2025 2:56:50 PM		
Supervise By	Jagrut	Supervise On	11/6/2025 10:21:33 AM		
SubDirectory	BF110525	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144168.D	05 Nov 2025 12:21	RC/JU	Ok
2	SSTDICC2.5	BF144169.D	05 Nov 2025 12:50	RC/JU	Ok
3	SSTDICC005	BF144170.D	05 Nov 2025 13:20	RC/JU	Ok,M
4	SSTDICC010	BF144171.D	05 Nov 2025 13:50	RC/JU	Ok
5	SSTDICC020	BF144172.D	05 Nov 2025 14:20	RC/JU	Ok
6	SSTDICCC040	BF144173.D	05 Nov 2025 14:50	RC/JU	Ok
7	SSTDICC050	BF144174.D	05 Nov 2025 15:49	RC/JU	Ok
8	SSTDICC060	BF144175.D	05 Nov 2025 16:19	RC/JU	Ok
9	SSTDICC080	BF144176.D	05 Nov 2025 16:49	RC/JU	Ok
10	SSTDICV040	BF144177.D	05 Nov 2025 17:21	RC/JU	Ok,M
11	PB170372BL	BF144178.D	05 Nov 2025 18:10	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111725

Review By	Jagrut	Review On	11/18/2025 11:29:26 AM				
Supervise By	Sohil	Supervise On	11/18/2025 3:24:16 PM				
SubDirectory	BF111725	HP Acquire Method	BNA_F		HP Processing Method	BF110525	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144262.D	17 Nov 2025 12:22	RC/JU	Ok
2	SSTDCCC040	BF144263.D	17 Nov 2025 12:52	RC/JU	Ok,M
3	PB170576BL	BF144264.D	17 Nov 2025 13:21	RC/JU	Ok
4	PB170576BS	BF144265.D	17 Nov 2025 13:52	RC/JU	Ok,M
5	Q3645-01	BF144266.D	17 Nov 2025 14:29	RC/JU	Ok,M
6	Q3648-01	BF144267.D	17 Nov 2025 14:59	RC/JU	Dilution
7	Q3646-01	BF144268.D	17 Nov 2025 15:29	RC/JU	Ok,M
8	Q3638-01	BF144269.D	17 Nov 2025 15:59	RC/JU	Ok,M
9	Q3638-03	BF144270.D	17 Nov 2025 16:28	RC/JU	Ok,M
10	Q3641-01	BF144271.D	17 Nov 2025 16:58	RC/JU	ReRun
11	Q3649-03	BF144272.D	17 Nov 2025 17:28	RC/JU	Ok,M
12	Q3648-01DL	BF144273.D	17 Nov 2025 17:58	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG111225

Review By	rahul	Review On	11/12/2025 2:27:04 PM		
Supervise By	Sohil	Supervise On	11/14/2025 12:24:17 PM		
SubDirectory	BG111225	HP Acquire Method	BNA_G	HP Processing Method	BG111225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13182,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064744.D	12 Nov 2025 10:37	RC/JU	Ok
2	SSTDICC2.5	BG064745.D	12 Nov 2025 11:17	RC/JU	Ok
3	SSTDICC005	BG064746.D	12 Nov 2025 11:58	RC/JU	Ok,M
4	SSTDICC010	BG064747.D	12 Nov 2025 12:39	RC/JU	Ok,M
5	SSTDICC020	BG064748.D	12 Nov 2025 13:20	RC/JU	Ok,M
6	SSTDICCC040	BG064749.D	12 Nov 2025 14:00	RC/JU	Ok,M
7	SSTDICC050	BG064750.D	12 Nov 2025 14:41	RC/JU	Ok,M
8	SSTDICC060	BG064751.D	12 Nov 2025 15:23	RC/JU	Ok,M
9	SSTDICC080	BG064752.D	12 Nov 2025 16:04	RC/JU	Ok,M
10	SSTDICV040	BG064753.D	12 Nov 2025 16:45	RC/JU	Ok,M
11	PB170478BL	BG064754.D	12 Nov 2025 17:26	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG111725

Review By	Jagrut	Review On	11/18/2025 11:28:26 AM				
Supervise By	Sohil	Supervise On	11/18/2025 3:22:57 PM				
SubDirectory	BG111725	HP Acquire Method	BNA_G		HP Processing Method	BG111225	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064783.D	17 Nov 2025 12:42	RC/JU	Ok
2	SSTDCCC040	BG064784.D	17 Nov 2025 13:23	RC/JU	Ok,M
3	PB170586BL	BG064785.D	17 Nov 2025 15:18	RC/JU	Ok
4	PB170586BS	BG064786.D	17 Nov 2025 15:58	RC/JU	Ok,M
5	PB170544TB	BG064787.D	17 Nov 2025 16:39	RC/JU	Ok
6	Q3628-04	BG064788.D	17 Nov 2025 17:23	RC/JU	Ok
7	Q3628-04MS	BG064789.D	17 Nov 2025 18:04	RC/JU	Ok,M
8	Q3628-04MSD	BG064790.D	17 Nov 2025 18:45	RC/JU	Ok,M
9	Q3647-02	BG064791.D	17 Nov 2025 19:26	RC/JU	Ok
10	Q3649-06	BG064792.D	17 Nov 2025 20:07	RC/JU	Ok
11	Q3647-01	BG064793.D	17 Nov 2025 20:48	RC/JU	Ok
12	Q3649-01	BG064794.D	17 Nov 2025 21:28	RC/JU	Ok
13	Q3649-08	BG064795.D	17 Nov 2025 22:09	RC/JU	Ok
14	Q3649-08MS	BG064796.D	17 Nov 2025 22:50	RC/JU	Ok,M
15	Q3649-08MSD	BG064797.D	17 Nov 2025 23:31	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110525

Review By	rahul	Review On	11/5/2025 2:56:50 PM		
Supervise By	Jagrut	Supervise On	11/6/2025 10:21:33 AM		
SubDirectory	BF110525	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144168.D	05 Nov 2025 12:21		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF144169.D	05 Nov 2025 12:50		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF144170.D	05 Nov 2025 13:20		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF144171.D	05 Nov 2025 13:50		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF144172.D	05 Nov 2025 14:20		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF144173.D	05 Nov 2025 14:50	Compound #41 kept on QR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF144174.D	05 Nov 2025 15:49		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF144175.D	05 Nov 2025 16:19		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF144176.D	05 Nov 2025 16:49		RC/JU	Ok
10	SSTDICV040	ICVBF110525	BF144177.D	05 Nov 2025 17:21		RC/JU	Ok,M
11	PB170372BL	PB170372BL	BF144178.D	05 Nov 2025 18:10		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111725

Review By	Jagrut	Review On	11/18/2025 11:29:26 AM		
Supervise By	Sohil	Supervise On	11/18/2025 3:24:16 PM		
SubDirectory	BF111725	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144262.D	17 Nov 2025 12:22		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144263.D	17 Nov 2025 12:52		RC/JU	Ok,M
3	PB170576BL	PB170576BL	BF144264.D	17 Nov 2025 13:21		RC/JU	Ok
4	PB170576BS	PB170576BS	BF144265.D	17 Nov 2025 13:52		RC/JU	Ok,M
5	Q3645-01	HD-02-11142025	BF144266.D	17 Nov 2025 14:29		RC/JU	Ok,M
6	Q3648-01	OR-02-111425	BF144267.D	17 Nov 2025 14:59	Need further 5X dilution	RC/JU	Dilution
7	Q3646-01	SU-03-11142025	BF144268.D	17 Nov 2025 15:29		RC/JU	Ok,M
8	Q3638-01	MOO-25-0327	BF144269.D	17 Nov 2025 15:59		RC/JU	Ok,M
9	Q3638-03	MOO-25-0328	BF144270.D	17 Nov 2025 16:28	Surrogate fail	RC/JU	Ok,M
10	Q3641-01	TR-05-111325	BF144271.D	17 Nov 2025 16:58	Surrogates failed. - RE-EXTRACTION.	RC/JU	ReRun
11	Q3649-03	DUPE-0.0-0.5-2025111	BF144272.D	17 Nov 2025 17:28		RC/JU	Ok,M
12	Q3648-01DL	OR-02-111425DL	BF144273.D	17 Nov 2025 17:58		RC/JU	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG111225

Review By	rahul	Review On	11/12/2025 2:27:04 PM		
Supervise By	Sohil	Supervise On	11/14/2025 12:24:17 PM		
SubDirectory	BG111225	HP Acquire Method	BNA_G	HP Processing Method	BG111225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13182,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064744.D	12 Nov 2025 10:37		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064745.D	12 Nov 2025 11:17		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064746.D	12 Nov 2025 11:58		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064747.D	12 Nov 2025 12:39		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064748.D	12 Nov 2025 13:20		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064749.D	12 Nov 2025 14:00	Compound#32,54,70 kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BG064750.D	12 Nov 2025 14:41		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG064751.D	12 Nov 2025 15:23		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG064752.D	12 Nov 2025 16:04		RC/JU	Ok,M
10	SSTDICV040	ICVBG111225	BG064753.D	12 Nov 2025 16:45		RC/JU	Ok,M
11	PB170478BL	PB170478BL	BG064754.D	12 Nov 2025 17:26		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG111725

Review By	Jagrut	Review On	11/18/2025 11:28:26 AM		
Supervise By	Sohil	Supervise On	11/18/2025 3:22:57 PM		
SubDirectory	BG111725	HP Acquire Method	BNA_G	HP Processing Method	BG111225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064783.D	17 Nov 2025 12:42		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064784.D	17 Nov 2025 13:23		RC/JU	Ok,M
3	PB170586BL	PB170586BL	BG064785.D	17 Nov 2025 15:18		RC/JU	Ok
4	PB170586BS	PB170586BS	BG064786.D	17 Nov 2025 15:58		RC/JU	Ok,M
5	PB170544TB	PB170544TB	BG064787.D	17 Nov 2025 16:39		RC/JU	Ok
6	Q3628-04	TP-5	BG064788.D	17 Nov 2025 17:23		RC/JU	Ok
7	Q3628-04MS	TP-5MS	BG064789.D	17 Nov 2025 18:04		RC/JU	Ok,M
8	Q3628-04MSD	TP-5MSD	BG064790.D	17 Nov 2025 18:45		RC/JU	Ok,M
9	Q3647-02	VNJ-212	BG064791.D	17 Nov 2025 19:26		RC/JU	Ok
10	Q3649-06	B4-0.0-0.5-20251114	BG064792.D	17 Nov 2025 20:07		RC/JU	Ok
11	Q3647-01	VNJ-212	BG064793.D	17 Nov 2025 20:48		RC/JU	Ok
12	Q3649-01	B5-0.0-0.5-20251114	BG064794.D	17 Nov 2025 21:28		RC/JU	Ok
13	Q3649-08	B3-0.0-0.5-20251114	BG064795.D	17 Nov 2025 22:09		RC/JU	Ok
14	Q3649-08MS	B3-0.0-0.5-20251114MS	BG064796.D	17 Nov 2025 22:50		RC/JU	Ok,M
15	Q3649-08MSD	B3-0.0-0.5-20251114MS	BG064797.D	17 Nov 2025 23:31		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170576

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/17/2025
Matrix :	Solid			**Extraction Start Time :**	09:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	11/17/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	12:45
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6895
Surrogate	1.0ML	100/150 PPM	SP6869
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	EP2659
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Methylene Chloride	N/A	E3986
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID:	N/A	**Envap ID:**	N-EVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/17/25	RS (Ext lab)	JY/SVOC
12:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170576

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 11/17/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170576BL	SBLK576	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			U4-1
PB170576BS	SLCS576	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q3638-01	MOO-25-0327	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E	Small Particles	3
Q3638-03	MOO-25-0328	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E	Small Particles	4
Q3641-01	TR-05-111325	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		5
Q3645-01	HD-02-11142025	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		6
Q3646-01	SU-03-11142025	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		U6-1
Q3647-01	VNJ-212	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E	Concrete	2
Q3648-01	OR-02-111425	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		3
Q3649-01	B5-0.0-0.5-20251114	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	B		4
Q3649-03	DUPE-0.0-0.5-20251114	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	B		5
Q3649-06	B4-0.0-0.5-20251114	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	B		6
Q3649-08	B3-0.0-0.5-20251114	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	B		U1-1
Q3649-08MS	B3-0.0-0.5-20251114MS	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	B		2
Q3649-08MS D	B3-0.0-0.5-20251114MS D	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	B		3

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

17057 9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3645 **WorkList ID :** 193147 **Department :** Extraction **Date :** 11-17-2025 09:00:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3638-01	MOO-25-0327	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	11/13/2025	8270E
Q3638-03	MOO-25-0328	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	11/13/2025	8270E
Q3641-01	TR-05-111325	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D41	11/13/2025	8270E
Q3645-01	HD-02-11142025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D51	11/14/2025	8270E
Q3646-01	SU-03-11142025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D31	11/14/2025	8270E
Q3647-01	VNJ-212	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	11/14/2025	8270E
Q3648-01	OR-02-111425	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D41	11/14/2025	8270E
Q3649-01	B5-0.0-0.5-20251114	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	11/14/2025	8270E
Q3649-03	DUPE-0.0-0.5-20251114	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	11/14/2025	8270E
Q3649-06	B4-0.0-0.5-20251114	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	11/14/2025	8270E
Q3649-08	B3-0.0-0.5-20251114	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	11/14/2025	8270E

Date/Time 11/17/25 9:25
Raw Sample Received by: RJ (EXT Lab)
Raw Sample Relinquished by:

Date/Time 11/17/25 9:47
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EXT Lab)

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

LAB CHRONICLE

OrderID:	Q3649	**OrderDate:**	11/14/2025 3:02:13 PM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3649-01	**B5-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			SVOC-TCL BNA -20	8270E		11/17/25	11/17/25	
Q3649-03	**DUPE-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			SVOC-TCL BNA -20	8270E		11/17/25	11/17/25	
Q3649-06	**B4-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			SVOC-TCL BNA -20	8270E		11/17/25	11/17/25	
Q3649-08	**B3-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			SVOC-TCL BNA -20	8270E		11/17/25	11/17/25	